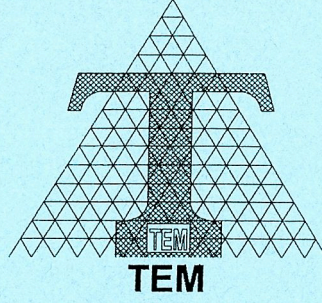


TEM Mühendislik Müşavirlik Ltd. Şti



Mühendislik Müşavirlik Ltd. Şti

S.S. KARAKÖY PERŞEMBE PAZARI TÛCCARLARI TOPLU İŞYERİ YAPI KOOPERATİFİ

**PERPA TİCARET MERKEZİ BİNASININ 17 AĞUSTOS 1999 MARMARA BÖLGESİ
DEPREMİ SONRASI YAPI GÜVENLİĞİ ARAŞTIRILMASI ve DEĞERLENDİRME
RAPORUDUR**



TEM

MÜHENDİSLİK MÜŞAVİRLİK LTD. ŞTİ.

Cumhuriyet Caddesi Rüyam Apartmanı No : 359 / A
D. 1 K. 1 Harbiye/İSTANBUL
Tel : (0.212) 240 84 42 - 246 68 37 - 248 46 23
Fax : (0.212) 240 71 20 Sicil No.: 138912/86375

İstanbul, _____

**S.S.KARAKÖY PERŞEMBE PAZARI
TÜCCARLARI TOPLU İŞ YERİ YAPI KOOPERATİFİ
PERPA TİCARET MERKEZİ BİNASININ
17 AĞUSTOS 1999 MARMARA BÖLGESİ DEPREMİ
SONRASI YAPI GÜVENLİĞİ ARAŞTIRILMASI VE
DEĞERLENDİRME RAPORUDUR.**

PERPA TİCARET MERKEZİ Kat malikleri Yönetiminin yaptığı başvuru üzerine ,
PERPA TİCARET MERKEZİ B. Bloкта 17 Ağustos 1999 Marmara Bölgesi
depreminin yaptığı tesirlerin , Binaların Statik-Betonarme sisteminde oluşturduğu
sonuçların yapı güvenliği açısından (Statik-Betonarme) incelenmesi , irdelenmesi ilgili
çalışmalar , tüm katların fiziki gözlemleri tamamlanmış olup, Yapı güvenliği ve
mühendisliği açısından değerlendirme sonuçları ve 1997 yılında kabul edilen yeni
deprem şartnamesine göre de Statik - Betonarme hesapları tekrar çözümlenmiş binalar
hakkında , Teknik Rapor aşağıda belirtildiği gibi düzenlenmiştir .

FİZİKİ İNCELEME SONUÇLARI :

PERPA TİCARET MERKEZİ B Bloktaki işletmeye açılmış her mekan tek tek
dolaşarak inceleme yapılmış olup dolaşılan kat maliki listesi ekte verilmiştir . Bilindiği
gibi Ticaret Merkezi Binası İstanbul Şişli ilçesi sınırları içinde Okmeydanı Mevkiinde
bulunmaktadır . Binanın bulunduğu yer 1997 yılında yürürlüğe giren deprem
şartnamesinde de 2.derece deprem bölgesinde gösterilmektedir
Bilindiği gibi binanın temel zemini , zemin sınıfı açısından sağlam kaya niteliklidir .
Buna rağmen , işin yapıldığı tarihlerdeki sürat talebinden dolayı çok kalın , taşıma
kapasitesi yüksek , radye jeneral temel sistemi uygulanmıştır . Bu gün bu kararın
doğruluğunu yaşadığımız gibi , gelecekte de binaların aynı güvende olduğunu ekteki
tahkik hesapları göstermektedir .

Binalar , betonarme kolon ve kirişlerin birleşimi ile çerçeveler düzeneği prensibine göre
oluşturulmuştur . Bu nedenle deprem tesirleri sırasında deplasman yapması istenmektedir .
Son yaşadığımız deprem dolayısı ile yapının üst katlarında hissedilmiş deplasmanları
sonucu çok az sayıda iş yerinde kolon ve kirişler arasında düzenlenmiş duvar
birleşimlerinde sürtünmeden oluşan sürtünme çatlakları gözlemlenmiş olup , bu
çatlakların yapı emniyeti açısından hiçbir değeri hiçbir önemi yoktur .
Yapının 1997 yılında kabulü yapılmış yeni deprem şartlarının bina ilgili sayısal
değerleri şunlardır .

Etkin yer ivmesi $A_0 = 0.30$

Yapı önem katsayısı $= 1.0$

Zemin sınıfı $= 1.0$

Davranış Kat sayısı $R = 8.0$ olup ,

Zemin Periyodu $T_A = 0.10$ sn. $T_B = 0.30$ sn.



TEM

MÜHENDİSLİK MÜŞAVİRLİK LTD. ŞTİ.

Cumhuriyet Caddesi Rüyam Apartmanı No : 359 / A
D. 1 K. 1 Harbiye/İSTANBUL

Tel : (0.212) 240 84 42 - 246 68 37 - 248 46 23

Fax : (0.212) 240 71 20 Sicil No.: 138912/86375

İstanbul, _____

Yapının rijitliğine dayalı olarak hesaplanan X-X yönü periyodu $T_x = 1.754$ sn spektrumu ise $ST_x = 0.609$ Y-Y yönü periyodu $T_y = 1.60$ sn. spektrumu ise $ST_y = 0.655$ olarak hesaplanmıştır. Binanın bulunduğu bölgede depremin meydana getirdiği zemin hakim periyodu $TA = 0.10$ sn. ve $TB = 0.30$ sn. Binanın kendi rijitliğinden ötürü bulunan periyodu ise x- yönü için $T_x = 1.754$ sn. y-yönü için $T_y = 1.60$ sn. olup, binanın periyodu zeminin periyodundan çok büyük olduğu için bina depremin tesirlerini çok az hissetmektedir. Bu yüzden depremin meydana getirdiği tesirler (enerji açısından) çok küçük kalmaktadır. Dolayısıyla binanın rezonansa gelmesi imkansız görülmektedir.

Ekteki hesaplardanda görüleceği gibi, yapının kolon ve kiriş kesitleri oldukça güvenli seçilmiş olup, yeni şartlara göre çıkmış hesap sonuçları, donatı gereksinim boyutunun hala minimum şartlarda olduğunu göstermektedir. Hesaplar tüm katların kolon ve kirişleri için düzenlenmiş, her kolon ve kirişin orijinal proje donatıları ile mukayese edilmiş olup, beton kesiti ve içindeki konmuş donatıları fazlası ile yeterli bulunmuştur.

Bu tahkikleri, bir üst koşula götürdüğümüzde yani yapıyı 1 derece deprem tesirlerine göre çözdüğümüzde de yine aynı yapı güvenliğini sağlamaktayız. Bütün bunların sebebi yapı taşıyıcı sisteminin çok uygun seçilmiş olması, kolon ve kiriş boyutlarının uygunluğu, temel zeminin çok iyi olması yapının periyotlarını (yani saniyedeki salınımının) yüksek olması, yapıyı oldukça emniyetli hale getirmektedir.

Hesaplarla elde edilmiş bu güvenliği, fiziki incelemelerimiz sırasında da gördük.

Fiziki inceleme sırasında gezilen kat malikleri listesi ve yapılmış Statik- Betonarme hesapları ekte verilmiştir.

Bilgilerinize sunulur.

TEM MÜH. MÜŞ. LTD. ŞTİ.

ZİHNİ TEKİN

İNŞ. YÜK. MÜH.

**PERPA DEPREM SONRASI
KONTROL EDİLEN İŞ YERİ LİSTESİ :**

13.KAT :

2529	2401	2491
2528	2395	2326
2525	2373	2431
2524	2383	2435
2514	2385	2441
2513	2387	2443
2515	2391	2445
2511	2376	2447
2510	2394	2448
2301	2398	2444
2302	2356	2446
2306	2354	2442
2308	2350	2440
2315	2270	2438
2318	2282	2436
2317	2280	2422
2322	2347	2420
2416	2567	2418
2412	2565	2426
2410	2561	2428
2411	2558	
2427	2339	
2470	2332	
2468	2329	
2466	2541	
2464	2546	
2456	2548	
2454	2551	
2277	2538	
2291	2532	
2409	2496	
2273	2465	
2288	2469	
2286	2470	
2284	2503	
2272	2499	
2351	2475	
2357	2483	
2403	2485	

12.KAT :

2241	2050
2237	2051
2235	2053
2231	2055
2227	2057
2246	2058
2223	2063
2257	2171
2205	2169
2203	2159
2199	2192
2195	2193
2194	2145
2082	2139
2083	2137
2093	2135
2094	2132
2095	2134
2096	2138
2097	2148
2101	2186
2103	2182
2108	2156
2109	2162
2114	2166
2115	2172
2119	2066
2120	2069
2191	2073
2123	2075
2125	2076
2202	2077
2206	2079
2210	2081
2214	
2258	
2256	
2252	
2254	
2248	
2222	
2226	
2228	

11. KAT :

2029	1970	1662	1623	1754
2018	1974	1660	1621	1751
2023	1976	1663	1620	1749
2024	1841	1661	1619	1750
1633	1843	1662	1612	1748
1632	1845	1658	1613	1747
2025	1851	1659	1611	1744
1628	1739	1657	1606	1746
1627	1733	1653	1602	1745
1626	1729	1651	1603	1743
2023	1720	1649	1601	1741
2019	1727	1647	1596	1742
2001	1725	1645	1599	1740
1995	1723	1644	1592	1737
1861	1714	1851	1590	1738
1862	1719	1860	1588	
1994	1710	1856	1591	
1996	1708	1858	1593	
1998	1717	1852	1586	
2000	1706	1848	1589	
2008	1711	1844	1585	
2017	1705	2010	1576	
1836	1707	2012	1574	
1834	1704	2028	1577	
1830	1701	2030	1570	
1828	1700	1939	1566	
1826	1703	1938	1571	
1827	1698	1936	1569	
1837	1697	1937	1564	
1977	1699	1934	1567	
1975	1693	1933	1565	
1959	1694	1932	1560	
1957	1690	1931	1558	
1947	1691	1929	1556	
1965	1689	1928	1563	
1760	1687	1927	1554	
1954	1683	1640	1552	
1969	1678	1639	1559	
1734	1676	1637	1553	
1724	1681	1636	1757	
1728	1675	1634	1755	
1978	1673	1625	1753	
1981	1671	1624	1752	

10.KAT:

1901
1899
1893
1889
1911
1876
1892
1898
1904
1805
1806
1793
1791
1813
1823
1783
1825
1770
1774
1812
1810
1808
1792
1802
1926

9.KAT:

1749	1433	1353
1491	1435	1352
1489	1465	1351
1495	1437	1350
1497	1443	1348
1541	1460	1345
1537	1445	1344
1535	1444	1340
1509	1436	1338
1515	1462	1335
1517	1468	1334
1523	1472	1332
1526	1428	1331
1522	1422	
1516	1418	
1514	1414	
1508	1412	
1510	1410	
1528	1388	
1536	1387	
1540	1386	
1538	1384	
1500	1385	
1498	1383	
1490	1382	
1488	1380	
1480	1381	
1403	1379	
1402	1377	
1401	1376	
1400	1374	
1399	1372	
1397	1369	
1395	1368	
1392	1365	
1393	1364	
1409	1363	
1410	1361	
1413	1359	
1414	1356	
1421	1357	
1423	1355	
1429	1354	

8.KAT

0911	0976	0855	1311	1296
0910	0978	0852	1300	1298
0912	0980	0854	1304	1308
0914	0989	0857	0901	1310
0913	0991	0858	0899	1314
0917	0982	0860	1307	1316
0916	0984	0862	1305	1318
0918	0988	0869	1303	1322
0920	0997	0868	1291	
0922	0999	0870	1285	
0921	1001	0872	1287	
0923	0990	0875	1281	
0924	0992	0877	1279	
0927	1004	0878	1129	
0929	1007	0881	1127	
0928	1011	0884	1132	
0930	1008	0883	1275	
0933	1013	0885	1276	
0935	1015	0888	1278	
0937	1019	0889	1282	
0939	1016	0893	1284	
0941	1022	0895	1286	
0940	1023	0903	1260	
0949	0821	0905	1262	
0950	0823	0907	1264	
0955	0827	0908	1268	
0957	0828	0909	1272	
0956	0830	0911	1269	
0959	0833	0912	1265	
0958	0835	1211	1263	
0961	0837	1212	1261	
0962	0832	1213	1258	
0965	0834	1214	1111	
0966	0836	1215	1115	
0969	0841	1216	1125	
0971	0843	1217	1128	
0973	0845	1218	1126	
0972	0840	1219	1124	
0974	0842	1220	1122	
0981	0844	1221	1120	
0983	0847	1323	1118	
0985	0849	1321	1112	
0987	0850	1317	1292	

7.KAT:

1174
1172
1170
1168
1158
1160
1180
1156
1152
1148
1192
1144
1138
1136
1137
1135
1143
1145
1187
1181
1163
1169
1065
1057
1055
1089
1051
1049
1043
1041
1034
1054
1064
1070

6. KAT

0797	0629
0785	0630
0781	0631
0769	0633
0813	0634
0763	0640
0761	0642
0755	0643
0756	0645
0762	0644
0774	0646
0806	0647
0778	0648
0780	0651
0784	0652
0792	0654
0609	0656
0610	0657
0611	0662
0612	0664
0614	0668
0616	0669
0709	0670
0737	0672
0741	0673
0743	0674
0705	0676
0695	0677
0693	0678
0679	
0680	
0731	
0718	
0724	
0726	
0617	
0619	
0621	
0622	
0623	
0625	
0626	
0628	

5. KAT

0194	0298	0188	0399
0195	0297	0190	0393
0201	0308	0191	0391
0205	0311	0194	0530
0207	0103	0193	0528
0208	0107	0473	0533
0213	0109	0475	0545
0212	0104	0479	0546
0214	0108	0484	0544
0222	0110	0485	0542
0221	0114	0487	0534
0225	0117	0488	0532
0226	0119	0547	0522
0230	0116	0551	0280
0227	0118	0555	0278
0229	0121	0559	0276
0232	0122	0183	0286
0234	0124	0182	0284
0239	0127	0180	0282
0241	0128	0184	0519
0242	0133	0576	0521
0245	0143	0574	0512
0251	0147	0579	0510
0252	0144	0581	0504
0254	0146	0585	0312
0257	0150	0589	0310
0263	0152	0591	0525
0265	0154	0592	0529
0258	0155	0590	0389
0262	0159	0584	0385
0271	0161	0586	0376
0273	0160	0582	0380
0266	0165	0580	0382
0268	0167	0570	0384
0279	0164	0564	0382
0281	0170	0396	0388
0283	0173	0400	0392
0274	0171	0402	0565
0287	0174	0410	0569
0289	0175	0407	0562
0290	0176	0405	0558
0292	0177	0403	0548
0295	0185	0401	0414

4. KAT

0431

0389

0317

0325

0369

0324

0375

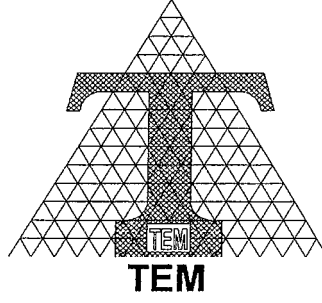
0352

0318

2. KAT

0083	0016
0085	0014
0087	
0088	
0086	
0084	
0082	
0080	
0012	
0071	
0073	
0076	
0074	
0009	
0063	
0069	
0070	
0066	
0060	
0007	
0006	
0005	
0057	
0058	
0053	
0052	
0054	
0050	
0049	
0045	
0046	
0047	
0040	
0037	
0034	
0031	
0089	
0028	
0026	
0021	
0019	
0018	
0017	

TEM Mühendislik Müşavirlik Ltd. Şti



Mühendislik Müşavirlik Ltd. Şti

S.S. KARAKÖY PERŞEMBE PAZARI TÛCCARLARI TOPLU İŞYERİ YAPI KOOPERATİFİ

Statik ve Betonarme Hesapları

TASARIM VE CÖZÜM PRENSİPLERİ

1. Yükler

ZATİ YÜKLER:

Boşluklu panel döşeme= 0,325 t/m²

Kaplama.....= 0,110 t/m²

+

g = 0,435 t/m²

HAREKETLİ YÜKLER:

Bütün katlarda;

q.....= 0,5 t/m²

2. Deprem Ykleri :

Depreme karřı dayanım hesapları, 13 Mayıs 1996 tarih ve 22635 mkerrer sayılı Resmi Gazete' de yayımlanan AFET BLGELERİNDE YAPILACAK YAPILAR HAKKINDA YNETMELİK' e gre yapılmıřtır.

Buna gre ;

Spektral ivme katsayısı : $A(T) = A_0 \times I \times S(T)$

A_0 = Etkin yer ivmesi katsayısı $A_0 = 0,30$ (2. derece deprem blgesi)

I = Yapı nem katsayısı : $I = 1$ alınmıřtır

S : Spektrum katsayısı

$S(T_1) = 1 + (1,5 \cdot T_1 / T_A)$ $0 \leq T \leq T_A$

$S(T_1) = 2,5$ $T_A < T \leq T_B$

$S(T_1) = 2,5 \cdot (T_B / T)^{0,8}$ $T > T_B$ olarak hesaplanacaktır

Toplam eřdeęer deprem kuvveti $V_t = W \times A(T) / R$ forml ile hesaplanacaktır

W : Bina toplam aęırlığı ($W = G + nQ$)

G : Toplam zati ykler

Q : Toplam hareketli ykler

n : Hareketli yk katılım katsayısı ($n = 0,60$ alınmıřtır)

36.

R : Tařıyıcı sistem davranıř katsayısı

$R = 8,0$ (Sneklik dzeyi yksek çerçevesi sistemler)

Deprem Hesaplarında Kullanılacak Zemin Sınıfı :

Yeni deprem řartnamesinde belirtilen tanımlara istinaden ;

Zemin sınıfı : B

Yerel zemin sınıfı : Z1 olarak kabul edilmiřtir.

3. Malzeme

3.1 Betonarme Betonu :

Yapının yerinde bütünüde **BS20 (C20)**, kalitesinde betonarme betonu kullanılmıştır.

* *C20 için karakteristik değerler :*

$$f_{ck} = 20 \text{ N / mm}^2 \text{ (28 günlük)}$$

$$f_{cd} = 13 \text{ N / mm}^2 \text{ (28 günlük)}$$

$$E_c = 28500 \text{ N / mm}^2 \text{ (28 günlük)}$$

3.2 Betonarme Çeliği :

Yapının tüm taşıyıcı elemanlarında ;

$$\text{Akma sınırı : } f_{yk} = 420 \text{ N / mm}^2$$

Elastisite modülü $E_s = 20000 \text{ N / mm}^2$ karakteristik değerlere sahip **S420** çeliği kullanılmıştır.

DEPREM HESAPLARI

(2°. DEPREM KOŞULARI İÇİN HESAP)
1997 DEPREM ŞARTNAMESİ

2. DEPREM KOSULLAR I İÇİN HESAP (1997 DEĞİŞARTNAMESİ)

9Ts0Ps16.66Hs10Vh3G18D

BİLSAR A.Ş. MÜHENDİSLİK PROGRAMLARI (0212) 221 29 98 . HER HAKKI SAKLIDIR. SADECE TEM MÜHENDİSLİK LTD. TARAFINDAN KULLANILIR

S.S. KARAKÖY PERŞEMBE PAZARI TüCCARLARI TOPLU İŞYERİ YAPI KOOPERATİFİ 13 . KAT AĞIRLIĞI VE EKSANTRİSİTELER

ADI	KOLON	Kiriş	Döşeme	Döşeme	TOPLAM	EX	EY	AG * EX	AG * EY
4	N	0.759	3.623	4.013	3.675	12.071	0.000	0.000	0.000
4	M	1.181	5.648	4.013	3.675	14.517	7.000	0.000	101.621
4	L	1.181	5.648	4.013	3.675	14.517	14.000	0.000	203.243
4	K	0.759	3.623	4.013	3.675	12.071	21.000	0.000	253.486
5	N	1.181	7.489	8.300	7.350	24.320	0.000	-7.000	0.000
5	M	1.837	15.469	12.313	11.025	40.645	7.000	-7.000	284.513
5	L	1.837	15.469	12.313	11.025	40.645	14.000	-7.000	569.026
5	K	1.181	7.489	8.300	7.350	24.320	21.000	-7.000	510.721
6	N	1.181	7.518	8.300	7.350	24.349	0.000	-14.000	0.000
6	M	1.837	15.531	16.600	14.700	48.669	7.000	-14.000	340.680
6	L	1.837	15.531	16.600	14.700	48.669	14.000	-14.000	681.359
6	K	1.181	7.518	8.300	7.350	24.349	21.000	-14.000	511.334
7	N	1.181	7.518	8.300	7.350	24.349	0.000	-21.000	0.000
7	M	1.837	15.531	16.600	14.700	48.669	7.000	-21.000	340.680
7	L	1.837	15.531	16.600	14.700	48.669	14.000	-21.000	681.359
7	K	1.181	7.518	8.300	7.350	24.349	21.000	-21.000	511.334
8	N	1.181	7.489	8.300	7.350	24.320	0.000	-28.000	0.000
8	M	1.837	15.469	12.313	11.025	40.645	7.000	-28.000	284.513
8	L	1.837	15.469	12.313	11.025	40.645	14.000	-28.000	569.026
8	K	1.181	7.489	8.300	7.350	24.320	21.000	-28.000	510.721
9	N	0.759	3.623	4.013	3.675	12.071	0.000	-35.000	0.000
9	M	1.181	5.648	4.013	3.675	14.517	7.000	-35.000	101.621
9	L	1.181	5.648	4.013	3.675	14.517	14.000	-35.000	203.243
9	K	0.759	3.623	4.013	3.675	12.071	21.000	-35.000	253.486
		31.912	221.107	214.163	191.100	658.282			6911.966
									-11519.941

EX = 10.500

EY = -17.500

S.S. KARAKÖY PERŞEMBE PAZARI TUCCARLARI TOPLU İŞYERİ YAPI KOOPERATİFİ 12 . KAT AĞIRLIĞI VE EKSANTRİSİTELER

ADI	KOLON	KİRİŞ	DÖŞEME	DÖŞEME	TOPLAM	EX	EY	AG * EX	AG * EY
4	N	1.519	3.623	4.013	3.675	12.830	0.000	0.000	0.000
4	M	2.362	5.648	4.013	3.675	15.699	7.000	0.000	109.890
4	L	2.362	5.648	4.013	3.675	15.699	14.000	0.000	219.780
4	K	1.519	3.623	4.013	3.675	12.830	21.000	0.000	269.433
5	N	2.362	7.489	8.300	7.350	25.501	0.000	-7.000	0.000
5	M	3.675	15.469	12.313	11.025	42.482	7.000	-7.000	297.375
5	L	3.675	15.469	12.313	11.025	42.482	14.000	-7.000	594.751
5	K	2.362	7.489	8.300	7.350	25.501	21.000	-7.000	535.527
6	N	2.362	7.518	8.300	7.350	25.531	0.000	-14.000	0.000
6	M	3.675	15.531	16.600	14.700	50.506	7.000	-14.000	353.542
6	L	3.675	15.531	16.600	14.700	50.506	14.000	-14.000	707.084
6	K	2.362	7.518	8.300	7.350	25.531	21.000	-14.000	536.141
7	N	2.362	7.518	8.300	7.350	25.531	0.000	-21.000	0.000
7	M	3.675	15.531	16.600	14.700	50.506	7.000	-21.000	353.542
7	L	3.675	15.531	16.600	14.700	50.506	14.000	-21.000	707.084
7	K	2.362	7.518	8.300	7.350	25.531	21.000	-21.000	536.141
8	N	2.362	7.489	8.300	7.350	25.501	0.000	-28.000	0.000
8	M	3.675	15.469	12.313	11.025	42.482	7.000	-28.000	297.375
8	L	3.675	15.469	12.313	11.025	42.482	14.000	-28.000	594.751
8	K	2.362	7.489	8.300	7.350	25.501	21.000	-28.000	535.527
9	N	1.519	3.623	4.013	3.675	12.830	0.000	-35.000	0.000
9	M	2.362	5.648	4.013	3.675	15.699	7.000	-35.000	109.890
9	L	2.362	5.648	4.013	3.675	15.699	14.000	-35.000	219.780
9	K	1.519	3.623	4.013	3.675	12.830	21.000	-35.000	269.433
		63.825	221.107	214.163	191.100	690.195			7247.047
								-12078.411	

EX = 10.500

EY = -17.500

S.S. KARAKÖY PERŞEMBE PAZARI TİCCARLARI TOPLU İŞYERİ YAPI KOOPERATİFİ 11 . KAT AĞIRLIĞI VE EKSANTRİSİTELER

ADI	KOLON	KİRİŞ	DÖŞEME	DÖŞEME	TOPLAM	EX	EY	AG * EX	AG * EY
4	N	1.519	3.623	4.013	3.675	12.830	0.000	0.000	0.000
4	M	2.362	5.648	4.013	3.675	15.699	7.000	0.000	109.890
4	L	2.362	5.648	4.013	3.675	15.699	14.000	0.000	219.780
4	K	1.519	3.623	4.013	3.675	12.830	21.000	0.000	269.433
5	N	2.362	7.489	8.300	7.350	25.501	0.000	-7.000	0.000
5	M	3.675	15.469	12.313	11.025	42.482	7.000	-7.000	297.375
5	L	3.675	15.469	12.313	11.025	42.482	14.000	-7.000	594.751
5	K	2.362	7.489	8.300	7.350	25.501	21.000	-7.000	535.527
6	N	2.362	7.518	8.300	7.350	25.531	0.000	-14.000	0.000
6	M	3.675	15.531	16.600	14.700	50.506	7.000	-14.000	353.542
6	L	3.675	15.531	16.600	14.700	50.506	14.000	-14.000	707.084
6	K	2.362	7.518	8.300	7.350	25.531	21.000	-14.000	536.141
7	N	2.362	7.518	8.300	7.350	25.531	0.000	-21.000	0.000
7	M	3.675	15.531	16.600	14.700	50.506	7.000	-21.000	353.542
7	L	3.675	15.531	16.600	14.700	50.506	14.000	-21.000	707.084
7	K	2.362	7.518	8.300	7.350	25.531	21.000	-21.000	536.141
8	N	2.362	7.489	8.300	7.350	25.501	0.000	-28.000	0.000
8	M	3.675	15.469	12.313	11.025	42.482	7.000	-28.000	297.375
8	L	3.675	15.469	12.313	11.025	42.482	14.000	-28.000	594.751
8	K	2.362	7.489	8.300	7.350	25.501	21.000	-28.000	535.527
9	N	1.519	3.623	4.013	3.675	12.830	0.000	-35.000	0.000
9	M	2.362	5.648	4.013	3.675	15.699	7.000	-35.000	109.890
9	L	2.362	5.648	4.013	3.675	15.699	14.000	-35.000	219.780
9	K	1.519	3.623	4.013	3.675	12.830	21.000	-35.000	269.433
		63.825	221.107	214.163	191.100	690.195			7247.047
								-12078.411	

EX = 10.500

EY = -17.500

S.S. KARAKÖY PERŞEMBE PAZARI TÛCCARLARI TOPLU İŞYERİ YAPI KOOPERATİFİ 10 . KAT AĞIRLIĞI VE EKSANTRİSİTELER

ADI	KOLON	KİRİŞ	DÖŞEME	DÖŞEME	TOPLAM	EX	EY	AG * EX	AG * EY
4	N	1.519	3.623	4.013	3.675	12.830	0.000	0.000	0.000
4	M	2.362	6.987	8.300	7.350	24.999	7.000	0.000	174.995
4	L	2.362	6.987	8.300	7.350	24.999	14.000	0.000	349.990
4	K	1.519	3.623	4.013	3.675	12.830	21.000	0.000	269.433
5	N	2.362	7.489	8.300	7.350	25.501	0.000	-7.000	0.000
5	M	3.675	15.469	16.600	14.700	50.444	7.000	-7.000	353.109
5	L	3.675	15.469	16.600	14.700	50.444	14.000	-7.000	706.218
5	K	2.362	7.489	8.300	7.350	25.501	21.000	-7.000	535.527
6	N	2.362	7.518	8.300	7.350	25.531	0.000	-14.000	0.000
6	M	3.675	15.531	16.600	14.700	50.506	7.000	-14.000	353.542
6	L	3.675	15.531	16.600	14.700	50.506	14.000	-14.000	707.084
6	K	2.362	7.518	8.300	7.350	25.531	21.000	-14.000	536.141
7	N	2.362	7.518	8.300	7.350	25.531	0.000	-21.000	0.000
7	M	3.675	15.531	16.600	14.700	50.506	7.000	-21.000	353.542
7	L	3.675	15.531	16.600	14.700	50.506	14.000	-21.000	707.084
7	K	2.362	7.518	8.300	7.350	25.531	21.000	-21.000	536.141
8	N	2.362	7.489	8.300	7.350	25.501	0.000	-28.000	0.000
8	M	3.675	15.469	16.600	14.700	50.444	7.000	-28.000	353.109
8	L	3.675	15.469	16.600	14.700	50.444	14.000	-28.000	706.218
8	K	2.362	7.489	8.300	7.350	25.501	21.000	-28.000	535.527
9	N	1.519	3.623	4.013	3.675	12.830	0.000	-35.000	0.000
9	M	2.362	6.987	8.300	7.350	24.999	7.000	-35.000	174.995
9	L	2.362	6.987	8.300	7.350	24.999	14.000	-35.000	349.990
9	K	1.519	3.623	4.013	3.675	12.830	21.000	-35.000	269.433
		63.825	226.462	248.458	220.500	759.245			7972.076
									-13286.792

EX = 10.500
EY = -17.500

S.S. KARAKÖY PERŞEMBE PAZARI TİCCARLARI TOPLU İŞYERİ YAPI KOOPERATİFİ 9 . KAT AĞIRLIĞI VE EKSANTRİSİTELER

	ADI	KOLON	Kiriş	Döşeme	Döşeme	TOPLAM	EX	EY	AG * EX	AG * EY
4	N	1.697	3.565	4.013	3.675	12.950	0.000	0.000	0.000	0.000
4	M	2.681	6.874	8.300	7.350	25.206	7.000	0.000	176.440	0.000
4	L	2.681	6.874	8.300	7.350	25.206	14.000	0.000	352.879	0.000
4	K	1.697	3.565	4.013	3.675	12.950	21.000	0.000	271.946	0.000
5	N	2.681	7.368	8.300	7.350	25.700	0.000	-7.000	0.000	-179.898
5	M	4.238	15.221	16.600	14.700	50.759	7.000	-7.000	355.314	-355.314
5	L	4.238	15.221	16.600	14.700	50.759	14.000	-7.000	710.628	-355.314
5	K	2.681	7.368	8.300	7.350	25.700	21.000	-7.000	539.694	-179.898
6	N	2.681	7.398	8.300	7.350	25.729	0.000	-14.000	0.000	-360.205
6	M	4.238	15.283	16.600	14.700	50.821	7.000	-14.000	355.747	-711.494
6	L	4.238	15.283	16.600	14.700	50.821	14.000	-14.000	711.494	-711.494
6	K	2.681	7.398	8.300	7.350	25.729	21.000	-14.000	540.308	-360.205
7	N	2.681	7.398	8.300	7.350	25.729	0.000	-21.000	0.000	-540.308
7	M	4.238	15.283	16.600	14.700	50.821	7.000	-21.000	355.747	-1067.241
7	L	4.238	15.283	16.600	14.700	50.821	14.000	-21.000	711.494	-1067.241
7	K	2.681	7.398	8.300	7.350	25.729	21.000	-21.000	540.308	-540.308
8	N	2.681	7.368	8.300	7.350	25.700	0.000	-28.000	0.000	-719.592
8	M	4.238	15.221	16.600	14.700	50.759	7.000	-28.000	355.314	-1421.256
8	L	4.238	15.221	16.600	14.700	50.759	14.000	-28.000	710.628	-1421.256
8	K	2.681	7.368	8.300	7.350	25.700	21.000	-28.000	539.694	-719.592
9	N	1.697	3.565	4.013	3.675	12.950	0.000	-35.000	0.000	-453.244
9	M	2.681	6.874	8.300	7.350	25.206	7.000	-35.000	176.440	-882.198
9	L	2.681	6.874	8.300	7.350	25.206	14.000	-35.000	352.879	-882.198
9	K	1.697	3.565	4.013	3.675	12.950	21.000	-35.000	271.946	-453.244
		72.863	222.836	248.458	220.500	754.657			9028.900	-13381.502

EX = 10.500
EY = -17.500

S.S. KARAKÖY PERŞEMBE PAZARI TİCCARLARI TOPLU İŞYERİ YAPI KOOPERATİFİ 8 . KAT AĞIRLIĞI VE EKSANTRİSİTELER

ADI	KOLON	KİRİŞ	DÖŞEME	DÖŞEME	TOPLAM	EX	EY	AG * EX	AG * EY
4 N	1.875	3.565	4.013	3.675	13.128	0.000	0.000	0.000	0.000
4 M	3.000	5.557	4.013	3.675	16.245	7.000	0.000	113.715	0.000
4 L	3.000	5.557	4.013	3.675	16.245	14.000	0.000	227.430	0.000
4 K	1.875	3.565	4.013	3.675	13.128	21.000	0.000	275.687	0.000
5 N	3.000	7.368	8.300	7.350	26.018	0.000	-7.000	0.000	-182.129
5 M	4.800	15.221	12.313	11.025	43.360	7.000	-7.000	303.518	-303.518
5 L	4.800	15.221	12.313	11.025	43.360	14.000	-7.000	607.036	-303.518
5 K	3.000	7.368	8.300	7.350	26.018	21.000	-7.000	546.388	-182.129
6 N	3.000	7.398	8.300	7.350	26.048	0.000	-14.000	0.000	-364.668
6 M	4.800	15.283	16.600	14.700	51.384	7.000	-14.000	359.685	-719.369
6 L	4.800	15.283	16.600	14.700	51.384	14.000	-14.000	719.369	-719.369
6 K	3.000	7.398	8.300	7.350	26.048	21.000	-14.000	547.002	-364.668
7 N	3.000	7.398	8.300	7.350	26.048	0.000	-21.000	0.000	-547.002
7 M	4.800	15.283	16.600	14.700	51.384	7.000	-21.000	359.685	-1079.054
7 L	4.800	15.283	16.600	14.700	51.384	14.000	-21.000	719.369	-1079.054
7 K	3.000	7.398	8.300	7.350	26.048	21.000	-21.000	547.002	-547.002
8 N	3.000	7.368	8.300	7.350	26.018	0.000	-28.000	0.000	-728.517
8 M	4.800	15.221	12.313	11.025	43.360	7.000	-28.000	303.518	-1214.072
8 L	4.800	15.221	12.313	11.025	43.360	14.000	-28.000	607.036	-1214.072
8 K	3.000	7.368	8.300	7.350	26.018	21.000	-28.000	546.388	-728.517
9 N	1.875	3.565	4.013	3.675	13.128	0.000	-35.000	0.000	-459.478
9 M	3.000	5.557	4.013	3.675	16.245	7.000	-35.000	113.715	-568.575
9 L	3.000	5.557	4.013	3.675	16.245	14.000	-35.000	227.430	-568.575
9 K	1.875	3.565	4.013	3.675	13.128	21.000	-35.000	275.687	-459.478
81.900	217.566	214.163	191.100	704.729				7399.658	-12332.763

EX = 10.500
EY = -17.500

S.S. KARAKÖY PERŞEMBE PAZARI TİCCARLARI TOPLU İŞYERİ YAPI KOOPERATİFİ 7 . KAT AĞIRLIĞI VE EKSANTRİSİTELER

ADI	KOLON	KİRİŞ	DÖŞEME	DÖŞEME	TOPLAM	EX	EY	AG * EX	AG * EY
4 N	1.875	3.565	4.013	3.675	13.128	0.000	0.000	0.000	0.000
4 M	3.000	6.874	8.300	7.350	25.524	7.000	0.000	178.671	0.000
4 L	3.000	6.874	8.300	7.350	25.524	14.000	0.000	357.342	0.000
4 K	1.875	3.565	4.013	3.675	13.128	21.000	0.000	275.687	0.000
5 N	3.000	7.368	8.300	7.350	26.018	0.000	-7.000	0.000	-182.129
5 M	4.800	15.221	16.600	14.700	51.322	7.000	-7.000	359.251	-359.251
5 L	4.800	15.221	16.600	14.700	51.322	14.000	-7.000	718.503	-359.251
5 K	3.000	7.368	8.300	7.350	26.018	21.000	-7.000	546.388	-182.129
6 N	3.000	7.398	8.300	7.350	26.048	0.000	-14.000	0.000	-364.668
6 M	4.800	15.283	16.600	14.700	51.384	7.000	-14.000	359.685	-719.369
6 L	4.800	15.283	16.600	14.700	51.384	14.000	-14.000	719.369	-719.369
6 K	3.000	7.398	8.300	7.350	26.048	21.000	-14.000	547.002	-364.668
7 N	3.000	7.398	8.300	7.350	26.048	0.000	-21.000	0.000	-547.002
7 M	4.800	15.283	16.600	14.700	51.384	7.000	-21.000	359.685	-1079.054
7 L	4.800	15.283	16.600	14.700	51.384	14.000	-21.000	719.369	-1079.054
7 K	3.000	7.398	8.300	7.350	26.048	21.000	-21.000	547.002	-547.002
8 N	3.000	7.368	8.300	7.350	26.018	0.000	-28.000	0.000	-728.517
8 M	4.800	15.221	16.600	14.700	51.322	7.000	-28.000	359.251	-1437.006
8 L	4.800	15.221	16.600	14.700	51.322	14.000	-28.000	718.503	-1437.006
8 K	3.000	7.368	8.300	7.350	26.018	21.000	-28.000	546.388	-728.517
9 N	1.875	3.565	4.013	3.675	13.128	0.000	-35.000	0.000	-459.478
9 M	3.000	6.874	8.300	7.350	25.524	7.000	-35.000	178.671	-893.354
9 L	3.000	6.874	8.300	7.350	25.524	14.000	-35.000	357.342	-893.354
9 K	1.875	3.565	4.013	3.675	13.128	21.000	-35.000	275.687	-459.478
81.900		222.836	248.458	220.500	773.695			8123.794	-13539.658

EX = 10.500
EY = -17.500

S.S. KARAKÖY PERŞEMBE PAZARI TUCCARLARI TOPLU İŞYERİ YAPI KOOPERATİFİ 6 . KAT AĞIRLIĞI VE EKSANTRİSİTELER

ADI	KOLON	KİRİŞ	DÖŞEME	DÖŞEME	TOPLAM	EX	EY	AG * EX	AG * EY
4 N	1.875	3.535	4.013	3.675	13.099	0.000	0.000	0.000	0.000
4 M	3.188	6.807	8.300	7.350	25.645	7.000	0.000	179.516	0.000
4 L	3.188	6.807	8.300	7.350	25.645	14.000	0.000	359.032	0.000
4 K	1.875	3.535	4.013	3.675	13.099	21.000	0.000	275.073	0.000
5 N	3.188	7.294	8.300	7.350	26.131	0.000	-7.000	0.000	-182.918
5 M	5.438	15.036	16.600	14.700	51.774	7.000	-7.000	362.415	-362.415
5 L	5.438	15.036	16.600	14.700	51.774	14.000	-7.000	724.829	-362.415
5 K	3.188	7.294	8.300	7.350	26.131	21.000	-7.000	548.755	-182.918
6 N	3.188	7.308	8.300	7.350	26.146	0.000	-14.000	0.000	-366.041
6 M	5.438	15.067	16.600	14.700	51.804	7.000	-14.000	362.631	-725.262
6 L	5.438	15.067	16.600	14.700	51.804	14.000	-14.000	725.262	-725.262
6 K	3.188	7.308	8.300	7.350	26.146	21.000	-14.000	549.062	-366.041
7 N	3.188	7.308	8.300	7.350	26.146	0.000	-21.000	0.000	-549.062
7 M	5.438	15.067	16.600	14.700	51.804	7.000	-21.000	362.631	-1087.893
7 L	5.438	15.067	16.600	14.700	51.804	14.000	-21.000	725.262	-1087.893
7 K	3.188	7.308	8.300	7.350	26.146	21.000	-21.000	549.062	-549.062
8 N	3.188	7.294	8.300	7.350	26.131	0.000	-28.000	0.000	-731.674
8 M	5.438	15.036	16.600	14.700	51.774	7.000	-28.000	362.415	-1449.658
8 L	5.438	15.036	16.600	14.700	51.774	14.000	-28.000	724.829	-1449.658
8 K	3.188	7.294	8.300	7.350	26.131	21.000	-28.000	548.755	-731.674
9 N	1.875	3.535	4.013	3.675	13.099	0.000	-35.000	0.000	-458.456
9 M	3.188	6.807	8.300	7.350	25.645	7.000	-35.000	179.516	-897.579
9 L	3.188	6.807	8.300	7.350	25.645	14.000	-35.000	359.032	-897.579
9 K	1.875	3.535	4.013	3.675	13.099	21.000	-35.000	275.073	-458.456
89.250		220.187	248.458	220.500	778.395			8173.150	-13621.919

EX = 10.500
EY = -17.500

S.S. KARAKÖY PERŞEMBE PAZARI TİCCARLARI TOPLU İŞYERİ YAPI KOOPERATİFİ 5 . KAT AĞIRLIĞI VE EKSANTRİSİTELER

	ADI	KOLON	KİRİŞ	DÖŞEME	DÖŞEME	TOPLAM	EX	EY	AG * EX	AG * EY
4	N	1.875	3.535	4.013	3.675	13.099	0.000	0.000	0.000	0.000
4	M	3.375	5.511	4.013	3.675	16.574	7.000	0.000	116.021	0.000
4	L	3.375	5.511	4.013	3.675	16.574	14.000	0.000	232.042	0.000
4	K	1.875	3.535	4.013	3.675	13.099	21.000	0.000	275.073	0.000
5	N	3.375	7.294	8.300	7.350	26.319	0.000	-7.000	0.000	-184.231
5	M	6.075	15.036	12.313	11.025	44.449	7.000	-7.000	311.144	-311.144
5	L	6.075	15.036	12.313	11.025	44.449	14.000	-7.000	622.287	-311.144
5	K	3.375	7.294	8.300	7.350	26.319	21.000	-7.000	552.693	-184.231
6	N	3.375	7.308	8.300	7.350	26.333	0.000	-14.000	0.000	-368.666
6	M	6.075	15.067	16.600	14.700	52.442	7.000	-14.000	367.094	-734.187
6	L	6.075	15.067	16.600	14.700	52.442	14.000	-14.000	734.187	-734.187
6	K	3.375	7.308	8.300	7.350	26.333	21.000	-14.000	553.000	-368.666
7	N	3.375	7.308	8.300	7.350	26.333	0.000	-21.000	0.000	-553.000
7	M	6.075	15.067	16.600	14.700	52.442	7.000	-21.000	367.094	-1101.281
7	L	6.075	15.067	16.600	14.700	52.442	14.000	-21.000	734.187	-1101.281
7	K	3.375	7.308	8.300	7.350	26.333	21.000	-21.000	553.000	-553.000
8	N	3.375	7.294	8.300	7.350	26.319	0.000	-28.000	0.000	-736.924
8	M	6.075	15.036	12.313	11.025	44.449	7.000	-28.000	311.144	-1244.574
8	L	6.075	15.036	12.313	11.025	44.449	14.000	-28.000	622.287	-1244.574
8	K	3.375	7.294	8.300	7.350	26.319	21.000	-28.000	552.693	-736.924
9	N	1.875	3.535	4.013	3.675	13.099	0.000	-35.000	0.000	-458.456
9	M	3.375	5.511	4.013	3.675	16.574	7.000	-35.000	116.021	-580.105
9	L	3.375	5.511	4.013	3.675	16.574	14.000	-35.000	232.042	-580.105
9	K	1.875	3.535	4.013	3.675	13.099	21.000	-35.000	275.073	-458.456
		96.600	215.002	214.163	191.100	716.865			7527.082	-12545.137

EX = 10.500
EY = -17.500

S.S. KARAKÖY PERŞEMBE PAZARI TİCCARLARI TOPLU İŞYERİ YAPI KOOPERATİFİ 4 . KAT AĞIRLIĞI VE EKSANTRİSİTELER

	ADI	KOLON	KİRİŞ	DÜŞEME	DÜŞEME	TOPLAM	EX	EY	AG * EX	AG * EY
4	N	1.875	3.535	4.013	3.675	13.099	0.000	0.000	0.000	0.000
4	M	3.375	6.807	8.300	7.350	25.833	7.000	0.000	180.828	0.000
4	L	3.375	6.807	8.300	7.350	25.833	14.000	0.000	361.657	0.000
4	K	1.875	3.535	4.013	3.675	13.099	21.000	0.000	275.073	0.000
5	N	3.375	7.294	8.300	7.350	26.319	0.000	-7.000	0.000	-184.231
5	M	6.075	15.036	16.600	14.700	52.411	7.000	-7.000	366.877	-366.877
5	L	6.075	15.036	16.600	14.700	52.411	14.000	-7.000	733.754	-366.877
5	K	3.375	7.294	8.300	7.350	26.319	21.000	-7.000	552.693	-184.231
6	N	3.375	7.308	8.300	7.350	26.333	0.000	-14.000	0.000	-368.666
6	M	6.075	15.067	16.600	14.700	52.442	7.000	-14.000	367.094	-734.187
6	L	6.075	15.067	16.600	14.700	52.442	14.000	-14.000	734.187	-734.187
6	K	3.375	7.308	8.300	7.350	26.333	21.000	-14.000	553.000	-368.666
7	N	3.375	7.308	8.300	7.350	26.333	0.000	-21.000	0.000	-553.000
7	M	6.075	15.067	16.600	14.700	52.442	7.000	-21.000	367.094	-1101.281
7	L	6.075	15.067	16.600	14.700	52.442	14.000	-21.000	734.187	-1101.281
7	K	3.375	7.308	8.300	7.350	26.333	21.000	-21.000	553.000	-553.000
8	N	3.375	7.294	8.300	7.350	26.319	0.000	-28.000	0.000	-736.924
8	M	6.075	15.036	16.600	14.700	52.411	7.000	-28.000	366.877	-1467.508
8	L	6.075	15.036	16.600	14.700	52.411	14.000	-28.000	733.754	-1467.508
8	K	3.375	7.294	8.300	7.350	26.319	21.000	-28.000	552.693	-736.924
9	N	1.875	3.535	4.013	3.675	13.099	0.000	-35.000	0.000	-458.456
9	M	3.375	6.807	8.300	7.350	25.833	7.000	-35.000	180.828	-904.141
9	L	3.375	6.807	8.300	7.350	25.833	14.000	-35.000	361.657	-904.141
9	K	1.875	3.535	4.013	3.675	13.099	21.000	-35.000	275.073	-458.456
		96.600	220.187	248.458	220.500	785.745			8250.326	-13750.543

EX = 10.500
EY = -17.500

S.S. KARAKÖY PERŞEMBE PAZARI TUCCARLARI TOPLU İŞYERİ YAPI KOOPERATİFİ 3 . KAT AĞIRLIĞI VE EKSANTRİSİTELER

	ADI	KOLON	KİRİŞ	DÖŞEME	DÖŞEME	TOPLAM	EX	EY	AG * EX	AG * EY
4	N	3.206	3.477	4.013	3.675	14.372	0.000	0.000	0.000	0.000
4	M	5.813	6.695	8.300	7.350	28.158	7.000	0.000	197.104	0.000
4	L	5.813	6.695	8.300	7.350	28.158	14.000	0.000	394.209	0.000
4	K	3.206	3.477	4.013	3.675	14.372	21.000	0.000	301.803	0.000
5	N	3.750	7.173	8.300	7.350	26.573	0.000	-7.000	0.000	-186.014
5	M	10.538	14.788	16.600	14.700	56.626	7.000	-7.000	396.382	-396.382
5	L	10.538	14.788	16.600	14.700	56.626	14.000	-7.000	792.764	-396.382
5	K	3.750	7.173	8.300	7.350	26.573	21.000	-7.000	558.041	-186.014
6	N	3.750	7.188	8.300	7.350	26.588	0.000	-14.000	0.000	-372.232
6	M	10.538	14.819	16.600	14.700	56.657	7.000	-14.000	396.599	-793.197
6	L	10.538	14.819	16.600	14.700	56.657	14.000	-14.000	793.197	-793.197
6	K	3.750	7.188	8.300	7.350	26.588	21.000	-14.000	558.348	-372.232
7	N	3.750	7.188	8.300	7.350	26.588	0.000	-21.000	0.000	-558.348
7	M	10.538	14.819	16.600	14.700	56.657	7.000	-21.000	396.599	-1189.796
7	L	10.538	14.819	16.600	14.700	56.657	14.000	-21.000	793.197	-1189.796
7	K	3.750	7.188	8.300	7.350	26.588	21.000	-21.000	558.348	-558.348
8	N	3.750	7.173	8.300	7.350	26.573	0.000	-28.000	0.000	-744.055
8	M	10.538	14.788	16.600	14.700	56.626	7.000	-28.000	396.382	-1585.528
8	L	10.538	14.788	16.600	14.700	56.626	14.000	-28.000	792.764	-1585.528
8	K	3.750	7.173	8.300	7.350	26.573	21.000	-28.000	558.041	-744.055
9	N	3.206	3.477	4.013	3.675	14.372	0.000	-35.000	0.000	-503.004
9	M	5.813	6.695	8.300	7.350	28.158	7.000	-35.000	197.104	-985.522
9	L	5.813	6.695	8.300	7.350	28.158	14.000	-35.000	394.209	-985.522
9	K	3.206	3.477	4.013	3.675	14.372	21.000	-35.000	301.803	-503.004
		150.375	216.561	246.458	220.500	835.895			8776.895	-14628.156

EX = 10.500
EY = -17.500

S.S. KARAKÖY PERŞEMBE PAZARI TUCCARLARI TOPLU İŞYERİ YAPI KOOPERATİFİ 2 . KAT AĞIRLIĞI VE EKSANTRİSİTELER

	ADI	KOLON	KİRİŞ	DÖŞEME	DÖŞEME	TOPLAM	EX	EY	AG * EX	AG * EY
4	N	4.538	3.477	1.194	1.404	10.613	0.000	0.000	0.000	0.000
4	M	8.250	6.695	2.388	2.809	20.142	7.000	0.000	140.994	0.000
4	L	8.250	4.957	1.194	1.404	15.805	14.000	0.000	221.270	0.000
4	K	4.538	0.000	0.000	0.000	4.538	21.000	0.000	95.288	0.000
5A	N	0.000	3.266	3.477	3.675	10.418	0.000	-2.675	0.000	-27.869
5A	M	0.000	6.635	6.947	7.350	20.932	7.000	-2.675	146.525	-55.994
5A	L	0.000	3.369	3.470	3.675	10.514	14.000	-2.675	147.196	-28.125
5	N	4.125	7.173	6.571	5.946	23.815	0.000	-7.000	0.000	-166.703
5	M	15.000	20.710	8.847	8.216	52.774	7.000	-7.000	369.415	-369.415
5	L	15.000	18.611	2.276	2.271	38.158	14.000	-7.000	534.211	-267.105
5	K	6.188	0.000	0.000	0.000	6.188	21.000	-7.000	129.938	-43.313
6	N	4.125	1.753	4.288	3.675	13.841	0.000	-14.000	0.000	-193.777
6	M	15.000	14.930	4.288	3.675	37.893	7.000	-14.000	265.249	-530.497
6	L	15.000	0.000	0.000	0.000	15.000	14.000	-14.000	210.000	-210.000
6	K	6.188	0.000	0.000	0.000	6.188	21.000	-14.000	129.938	-86.625
7	N	4.125	1.753	4.288	3.675	13.841	0.000	-21.000	0.000	-290.666
7	M	15.000	14.540	4.288	3.675	37.503	7.000	-21.000	262.523	-787.570
7	L	15.000	0.000	0.000	0.000	15.000	14.000	-21.000	210.000	-315.000
7	K	6.188	0.000	0.000	0.000	6.188	21.000	-21.000	129.938	-129.938
8	N	4.125	7.173	6.571	5.946	23.815	0.000	-28.000	0.000	-666.814
8	M	15.000	20.710	8.854	8.216	52.780	7.000	-28.000	369.461	-1477.845
8	L	15.000	18.222	2.283	2.271	37.775	14.000	-28.000	528.853	-1057.707
8	K	6.188	0.000	0.000	0.000	6.188	21.000	-28.000	129.938	-173.250
9A	N	0.000	3.266	3.477	3.675	10.418	0.000	-32.325	0.000	-336.767
9A	M	0.000	6.635	6.954	7.350	20.939	7.000	-32.325	146.572	-676.847
9A	L	0.000	3.369	3.477	3.675	10.521	14.000	-32.325	147.289	-340.080
9	N	4.538	3.477	1.194	1.404	10.613	0.000	-35.000	0.000	-371.454
9	M	8.250	6.695	2.388	2.809	20.142	7.000	-35.000	140.994	-704.969
9	L	8.250	4.957	1.194	1.404	15.805	14.000	-35.000	221.270	-553.175
9	K	3.403	0.000	0.000	0.000	3.403	21.000	-35.000	71.466	-119.109
		211.266	182.373	89.909	88.200	571.747			4748.325	-9980.614

EX = 8.305
EY = -17.456

S.S. KARAKÖY PERŞEMBE PAZARI TİCCARLARI TOPLU İŞYERİ YAPI KOOPERATİFİ 1 . KAT AĞIRLIĞI VE EKSANTRİSİTELER

	ADI	KOLON	KİRİŞ	DÖŞEME	DÖŞEME	TOPLAM	EX	EY	AG * EX	AG * EY
4	N	4.538	3.477	1.198	1.404	10.617	0.000	0.000	0.000	0.000
4	M	8.250	7.173	2.396	2.809	20.628	7.000	0.000	144.396	0.000
4	L	8.250	6.699	5.211	5.079	25.240	14.000	0.000	353.354	0.000
4	K	4.538	3.003	4.013	3.675	15.229	21.000	0.000	319.800	0.000
5A	N	0.000	3.266	3.481	3.675	10.422	0.000	-2.675	0.000	-27.879
5A	M	0.000	6.635	6.955	7.350	20.940	7.000	-2.675	146.580	-56.014
5A	L	0.000	3.369	3.474	3.675	10.518	14.000	-2.675	147.251	-28.135
5	N	6.188	7.173	6.296	5.946	25.602	0.000	-7.000	0.000	-179.216
5	M	15.000	14.788	12.552	11.891	54.232	7.000	-7.000	379.623	-379.623
5	L	15.000	13.784	14.263	13.296	56.343	14.000	-7.000	788.799	-394.400
5	K	8.250	6.169	8.007	7.350	29.776	21.000	-7.000	625.292	-208.431
6	N	6.188	6.710	7.993	7.350	28.241	0.000	-14.000	0.000	-395.368
6	M	15.000	14.819	15.954	14.700	60.473	7.000	-14.000	423.311	-846.622
6	L	15.000	13.815	15.934	14.700	59.449	14.000	-14.000	832.290	-832.290
6	K	8.250	5.706	7.974	7.350	29.279	21.000	-14.000	614.867	-409.911
7	N	6.188	6.710	7.993	7.350	28.241	0.000	-21.000	0.000	-593.052
7	M	15.000	14.819	15.954	14.700	60.473	7.000	-21.000	423.311	-1269.932
7	L	15.000	13.815	15.954	14.700	59.469	14.000	-21.000	832.565	-1248.847
7	K	8.250	5.706	7.993	7.350	29.299	21.000	-21.000	615.280	-615.280
8	N	6.188	7.173	6.296	5.946	25.602	0.000	-28.000	0.000	-716.865
8	M	15.000	14.788	12.559	11.891	54.238	7.000	-28.000	379.669	-1518.677
8	L	15.000	13.784	14.289	13.296	56.369	14.000	-28.000	789.167	-1578.335
8	K	8.250	6.169	8.026	7.350	29.795	21.000	-28.000	625.705	-834.273
9A	N	0.000	3.266	3.481	3.675	10.422	0.000	-32.325	0.000	-336.893
9A	M	0.000	6.635	6.962	7.350	20.947	7.000	-32.325	146.627	-677.100
9A	L	0.000	3.369	3.481	3.675	10.525	14.000	-32.325	147.344	-340.207
9	N	4.538	3.477	1.198	1.404	10.617	0.000	-35.000	0.000	-371.591
9	M	8.250	7.173	2.396	2.809	20.628	7.000	-35.000	144.396	-721.978
9	L	8.250	6.699	5.211	5.079	25.240	14.000	-35.000	353.354	-883.385
9	K	3.403	3.003	4.013	3.675	14.094	21.000	-35.000	295.978	-493.296
		227.766	233.172	231.509	220.500	912.947			9528.956	-15957.603

EX = 10.438
EY = -17.479

S.S. KARAKÖY PERŞEMBE PAZARI TüCCARLARI TOPLU İŞYERİ YAPI KOOPERATİFİ ÖN DEPREM YÜKLERİ

Toplam Yapı Ağırlığı = 9642.59
Fiktif Deprem KatSayısı X ve Y Yönü = 0.10
Yatay Yükler X ve Y Yönü = 964.26

KAT	H	W	WH	FX	FY
13	39.00	658.28	25673.01	125.18	125.18
12	36.00	690.20	24847.02	121.15	121.15
11	33.00	690.20	22776.44	111.05	111.05
10	30.00	759.25	22777.36	111.06	111.06
9	27.00	764.66	20645.75	100.66	100.66
8	24.00	704.73	16913.50	82.47	82.47
7	21.00	773.69	16247.59	79.22	79.22
6	18.00	778.40	14011.12	68.31	68.31
5	15.00	716.87	10752.98	52.43	52.43
4	12.00	785.75	9428.95	45.97	45.97
3	9.00	835.89	7523.05	36.68	36.68
2	6.00	571.75	3430.48	16.73	16.73
1	3.00	912.95	2738.84	13.35	13.35

S.S. KARAKÖY PERŞEMBE PAZARI TüCCARLARI TOPLU İŞYERİ YAPI KOOPERATİFİ YATAY YÜKLERE GÖRE HESAP

KAT DEPLASMANLARI

KAT NO	DX(X)	TETA(X)	DY(X)	DX(Y)	TETA(Y)	DY(Y)
13	0.11737	-0.00007	0.00042	-0.01151	0.00064	0.09261
12	0.11571	-0.00007	0.00042	-0.01151	0.00064	0.09107
11	0.11275	-0.00007	0.00042	-0.01151	0.00064	0.08832
10	0.10851	-0.00007	0.00042	-0.01151	0.00064	0.08434
9	0.10303	-0.00007	0.00042	-0.01150	0.00064	0.07915
8	0.09702	-0.00007	0.00042	-0.01150	0.00064	0.07345
7	0.09016	-0.00007	0.00042	-0.01150	0.00064	0.06694
6	0.08250	-0.00007	0.00042	-0.01149	0.00064	0.05965
5	0.07437	-0.00007	0.00042	-0.01145	0.00064	0.05198
4	0.06542	-0.00007	0.00041	-0.01133	0.00063	0.04366
3	0.05518	-0.00007	0.00038	-0.01094	0.00061	0.03432
2	0.03034	-0.00005	0.00028	-0.00852	0.00047	0.01847
1	0.00472	-0.00000	0.00002	-0.00042	0.00002	0.00382

X YÖNÜNDE T = 1.754 SN. Sx = 0.609 Sx/R = 0.076hesaplandı. 0.100alındı.

Y YÖNÜNDE T = 1.600 SN. Sy = 0.655 Sy/R = 0.100

DEPREM YÜKLERİ

Etkin Yer ivmesi KatSayısı = 0.30
Yapı Önem KatSayısı = 1.00
Zemin Cinsi = 1
Davranış KatSayısı = 4.00

Toplam Yapı Ağırlığı = 9642.59
Deprem KatSayıları X Yönü = 0.03 Y Yönü = 0.03
Yatay Yükler X Yönü = 289.28 Y Yönü = 289.28
Tepe Kuvvetleri X Yönü = 35.51 Y Yönü = 32.40

KAT	H	W	WH	FX	FY
13	39.00	658.28	25673.01	68.46	65.75
12	36.00	690.20	24847.02	31.88	32.27
11	33.00	690.20	22776.44	29.23	29.58
10	30.00	759.25	22777.36	29.23	29.59
9	27.00	764.66	20645.75	26.49	26.82
8	24.00	704.73	16913.50	21.70	21.97
7	21.00	773.69	16247.59	20.85	21.10
6	18.00	778.40	14011.12	17.98	18.20
5	15.00	716.87	10752.98	13.80	13.97
4	12.00	785.75	9428.95	12.10	12.25
3	9.00	835.89	7523.05	9.65	9.77
2	6.00	571.75	3430.48	4.40	4.46
1	3.00	912.95	2738.84	3.51	3.56

KİRİŞ HESAPLARI

-21 KOTU KAT KIRIŞLARI

9T50P516.66H510VK3G18D

BİLSAR A.Ş. MÜHENDİSLİK PROGRAMLARI (0212) 221 29 98 . HER HAKKI SAKLIDIR. SADECE TEM MÜHENDİSLİK LTD. TARAFINDAN KULLANILIR

S.S. KARAKÖY PERŞEMBE PAZARI TİCCARLARI TOPLU İŞYERİ YAPI KOOPERATİFİ 4 AKSI K001B

ACIKLIK MOMENTLERİ			KESME KUVVETLERİ			MESNET MOMENTLERİ			KOLON MOMENTLERİ		
YER	MAX	MIN	IZOSTATİK	MAX MIN	HESAP	MIN	DUZ	SER	UST	ALT	
									M=	2.378	-4.756
									MG=	1.036	-2.072
									MQ=	0.580	-1.160
			TA=	7.518	7.157	5.139	XA=	-7.135	-5.167	-7.899	
			TAG=	3.380	3.204	2.235	XAG=	-3.108	-2.227	-3.479	
			TAQ=	1.741	1.669	1.256	XAQ=	-1.740	-1.281	-1.893	
K001B	3.198	5.063									
			XB=	-9.567							
			TB=	-7.130	-7.522	-4.879	XB=	-9.711	-5.950	-7.899	
			TBG=	-3.275	-3.451	-2.133	XBG=	-4.295	-2.569	-3.479	
			TBQ=	-1.591	-1.681	-1.183	XBQ=	-2.311	-1.470	-1.893	
									M=	-1.165	2.330
									MG=	-0.014	0.028
									MQ=	-0.716	1.431
			TA=	7.431	7.487	4.839	XA=	-9.647	-5.904	-7.283	
			TAG=	3.411	3.428	2.109	XAG=	-4.252	-2.538	-3.222	
			TAQ=	1.660	1.680	1.179	XAQ=	-2.309	-1.469	-1.732	
K002B	3.510	4.989									
			XB=	-9.327							
			TB=	-7.431	-7.417	-4.769	XB=	-9.378	-5.670	-7.283	
			TBG=	-3.411	-3.393	-2.075	XBG=	-4.130	-2.433	-3.222	
			TBQ=	-1.660	-1.666	-1.165	XBQ=	-2.247	-1.414	-1.732	
									M=	-2.039	4.078
									MG=	-0.626	1.253
									MQ=	-0.727	1.453
			TA=	3.578	3.678	2.355	XA=	-4.468	-2.629	-3.732	
			TAG=	1.862	1.912	1.182	XAG=	-2.251	-1.295	-1.886	
			TAQ=	0.607	0.626	0.437	XAQ=	-0.823	-0.510	-0.682	
K003	3.445	2.211									
			XB=	-3.823							
			TB=	-3.700	-3.613	-2.661	XB=	-3.823	-2.829	-3.732	
			TBG=	-1.885	-1.835	-1.335	XBG=	-1.916	-1.411	-1.886	
			TBQ=	-0.663	-0.652	-0.495	XBQ=	-0.713	-0.533	-0.682	
									M=	-1.274	2.549
									MG=	-0.639	1.277
									MQ=	-0.238	0.475

S.S. KARAKÖY PERŞEMBE PAZARI TİCCARLARI TOPLU İŞYERİ YAPI KOOPERATİFİ 4 AKSI K001B

MALZEME ÖZELLİKLERİ

Beton Basınç Dayanımı : 130.00 kg/cm²
 Beton Çekme Dayanımı : 10.00 kg/cm²
 Çelik Çekme Dayanımı : 3650.00 kg/cm²
 Etriye Çekme Dayanımı : 3650.00 kg/cm²

1. KAT 4 AKSINA BENZERDİR

A C I K L I K

M E S N E T

B	D	Rob	MinM	Rou	Asu	DUZ	PLIYE	MONTAJ	ETRIYE	Vg	Vcr	XG	Mu	Rou	Asu	Mevu	Eku
			MaxM	Roa	Asa					Vq	Vd	XQ	Ma	Roa	Asa	Meva	Eka
					Asm		1. PLIYE			Ve	Asw	XE			Asm		

				3.04	0.00	0.00
K001B	43.0	51.0	1.36	5.06	0.13	2.78
						3.61

				2.97	0.00	0.00
K002B	43.0	51.0	1.36	4.99	0.12	2.74
						3.56

				1.54	0.00	0.00
K003	43.0	36.0	1.36	2.21	0.11	1.71
						2.58

2.23	14.25	-3.11	-17.04	0.45	9.89
1.26	7.57	-1.74	9.39	0.24	5.25
4.08	3.53	12.19			0.00

2.13	14.25	-3.48	-17.43	0.46	10.14
1.18	7.40	-1.89	8.93	0.23	4.98
4.08	3.53	12.06			

2.11	14.25	-3.22	-17.26	0.46	10.03
1.18	7.40	-1.73	9.40	0.24	5.26
4.11	3.53	12.30			

2.07	14.25	-3.22	-17.32	0.46	10.07
1.17	7.35	-1.73	9.46	0.24	5.30
4.11	3.53	12.36			

1.18	10.06	-1.89	-7.47	0.39	6.08
0.44	3.31	-0.68	3.21	0.16	2.51
1.69	3.53	4.90			7.24

1.33	10.06	-1.89	-7.68	0.40	6.27
0.50	3.52	-0.68	3.42	0.17	2.68
1.69	3.53	5.12			

BİLSAR A.Ş. MÜHENDİSLİK PROGRAMLARI (0212) 221 29 98 . HER HAKKI SAKLIDIR. SADECE TEM MÜHENDİSLİK LTD. TARAFINDAN KULLANILIR

B	D	Rob	MinM	Rou	Asu				Vg	Vcr	XG	Mu	Rou	Asu	Nevu	Eku	
			MaxM	Roa	Asa	DUZ	PLIYE	MONTAJ	ETRIYE	Vq	Vd	XQ	Ma	Roa	Asa	Meva	Eka
					Asm		1. PLIYE			Ve	Asw	XE		Asm			18

5.81 0.00 0.00
K004B 90.0 51.0 1.36 10.97 0.08 5.97
7.76

9.56 0.00 0.00
K005B 90.0 51.0 1.36 19.47 0.16 10.74
13.96

2.85 0.00 0.00
K006B 90.0 36.0 1.36 5.06 0.08 3.90
5.40

4.38 29.83 -6.03 -49.17 0.64 29.56
3.09 19.04 -4.29 33.43 0.42 19.30
11.57 7.40 38.86 0.00

4.30 29.83 -6.92 -41.57 0.53 24.49
2.97 18.85 -4.67 23.76 0.29 13.41
11.57 7.40 29.99

6.67 29.83 -10.09 -43.20 0.56 25.56
5.75 20.55 -8.49 15.55 0.19 8.62
8.13 7.40 24.62

6.58 29.83 -10.09 -42.77 0.55 25.28
5.71 20.41 -8.49 15.12 0.18 8.37
8.13 7.40 24.19

2.31 21.06 -3.58 -15.74 0.40 12.82
1.41 6.88 -2.14 6.79 0.16 5.31
3.16 7.40 10.02 15.15

2.48 21.06 -3.45 -14.35 0.36 11.61
1.54 7.17 -2.14 5.67 0.14 4.41
3.16 7.40 8.77

9T50P516.66H510VK3G18D

BİLSAR A.Ş. MÜHENDİSLİK PROGRAMLARI (0212) 221 29 98 . HER HAKKI SAKLIDIR. SADECE TEM MÜHENDİSLİK LTD. TARAFINDAN KULLANILIR

S.S. KARAKÖY PERŞEMBE PAZARI TüCCARLARI TOPLU İŞYERİ YAPI KOOPERATİFİ 5A AKSI K022B

ACIKLIK MOMENTLERİ			KESME KUVVETLERİ			MESNET MOMENTLERİ			KOLON MOMENTLERİ		
YER	MAX	MIN	IZOSTATİK	MAX MIN	HESAP	MIN	DUZ	SER	UST	ALT	
									M=	0.000	0.000
									MG=	0.000	0.000
									MQ=	0.000	0.000
			TA=	16.751	13.081	12.394	XA=	0.000	0.000	0.000	
			TAG=	6.544	4.712	4.221	XAG=	-0.000	0.000	0.000	
			TAQ=	4.743	4.053	4.053	XAQ=	-0.000	0.000	0.000	
K022B	2.763	21.003	XB=	-24.913							
			TB=	-17.435	-22.292	-21.302	XB=	-32.963	-32.963	-31.972	
			TBG=	-6.729	-8.561	-7.989	XBG=	-12.438	-12.438	-12.059	
			TBQ=	-5.009	-6.441	-6.324	TBQ=	-9.719	-9.719	-9.431	
									M=	0.000	0.000
									MG=	0.000	0.000
									MQ=	0.000	0.000
			TA=	17.192	21.901	21.214	XA=	-32.963	-32.963	-33.765	
			TAG=	6.727	8.504	8.013	XAG=	-12.438	-12.438	-12.762	
			TAQ=	4.859	6.248	6.248	XAQ=	-9.719	-9.719	-9.936	
K022	4.135	22.566	XB=	-25.462							
			TB=	-17.192	-13.555	-12.868	XB=	-0.000	0.000	0.000	
			TBG=	-6.727	-4.950	-4.459	XBG=	0.000	0.000	0.000	
			TBQ=	-4.859	-4.141	-4.141	TBQ=	-0.000	0.000	0.000	
									M=	0.000	0.000
									MG=	0.000	0.000
									MQ=	0.000	0.000

S.S. KARAKÖY PERŞEMBE PAZARI TüCCARLARI TOPLU İŞYERİ YAPI KOOPERATİFİ 5A AKSI K022B

MALZEME ÖZELLİKLERİ

Beton Basınç Dayanımı : 130.00 kg/cm²
 Beton Çekme Dayanımı : 10.00 kg/cm²
 Çelik Çekme Dayanımı : 3650.00 kg/cm²
 Etriye Çekme Dayanımı : 3650.00 kg/cm²

A C I K L I K										M E S N E T							
B	D	Rob	MinM	Rou	Asu	DUZ	PLIYE	MONTAJ	ETRIYE	Vg	Vcr	XG	Mu	Rou	Asu	Mevu	Eku
			MaxM	Roa	Asa					Vg	Vd	XG	Ma	Roa	Asa	Neva	Eka
					Asm		1. PLIYE			Ve	Asw	XE			Asm		
										4.22	23.20	0.00	0.00	0.00	0.00		
										4.05	12.39	0.00	0.00	0.00	0.00		
										0.00	5.75	0.00					
			6.04	0.00	0.00												
K022B	70.0	51.0	1.36	21.00	0.18	11.64				7.99	23.20	-12.44	-11.19	0.55	13.46		
						12.70				6.32	21.30	-9.72	-32.96	0.00	0.00		
										0.00	5.75	0.00			0.00		

8.01	23.20	-12.44	-11.19	0.55	19.46
6.25	21.21	-9.72	-32.96	0.00	0.00
0.00	5.75	0.00			0.00

			7.21	0.00	0.00
K022	70.0	51.0	1.36	22.57	0.19
					12.53
					12.70

4.46	23.20	0.00	0.00	0.00	0.00
4.14	12.87	0.00	0.00	0.00	0.00
0.00	5.75	0.00			

9750Ps16.66Hs10Vh3G18D

BİLSAR A.Ş. MÜHENDİSLİK PROGRAMLARI (0212) 221 29 98 . HER HAKKI SAKLIDIR. SADECE TEM MÜHENDİSLİK LTD. TARAFINDAN KULLANILIR

S.S. KARAKÖY PERŞEMBE PAZARI TÜCCARLARI TOPLU İŞYERİ YAPI KOOPERATİFİ 5 AKSI K004B

ACIKLIK MOMENTLERİ			KESME KUVVETLERİ			MESNET MOMENTLERİ			KOLON MOMENTLERİ	
YER	MAX	MIN	MAX			MIN	DUZ	SER	UST	ALT
									M=	7.647 -7.647
									MG=	3.014 -3.014
									MQ=	2.143 -2.143
			TA=	16.364	15.513	11.079	XA=	-15.295	-11.029	-17.151
			TAG=	6.726	6.311	4.378	XAG=	-6.027	-4.292	-6.917
			TAQ=	4.342	4.173	3.094	XAQ=	-4.285	-3.138	-4.667
K004B	3.185	10.969	XB=	-21.021						
			TB=	-15.456	-16.507	-10.782	XB=	-21.971	-13.718	-17.151
			TBG=	-6.506	-6.921	-4.305	XBG=	-8.818	-5.358	-6.917
			TBQ=	-3.967	-4.261	-2.973	XBQ=	-6.016	-3.886	-4.667
									M=	7.482 -14.964
									MG=	1.451 -2.901
									MQ=	3.407 -6.814
			TA=	27.429	27.800	18.537	XA=	-36.196	-22.396	-27.704
			TAG=	10.293	10.341	6.674	XAG=	-13.170	-7.999	-10.087
			TAQ=	8.137	8.201	5.746	XAQ=	-11.099	-6.998	-8.489
K005B	3.508	19.468	XB=	-35.217						
			TB=	-27.429	-27.399	-18.335	XB=	-35.428	-21.729	-27.704
			TBG=	-10.293	-10.244	-6.577	XBG=	-12.830	-7.708	-10.087
			TBQ=	-8.137	-8.161	-5.705	XBQ=	-10.916	-6.836	-8.489
									M=	-9.517 19.033
									MG=	-2.783 5.566
									MQ=	-3.513 7.026
			TA=	7.992	8.372	5.490	XA=	-10.649	-6.463	-8.438
			TAG=	3.535	3.689	2.307	XAG=	-4.482	-2.637	-3.585
			TAQ=	1.902	2.004	1.413	XAQ=	-2.734	-1.732	-2.137
K006B	3.485	5.062	XB=	-8.277						
			TB=	-8.337	-8.043	-5.928	XB=	-8.277	-6.065	-8.438
			TBG=	-3.582	-3.428	-2.478	XBG=	-3.446	-2.504	-3.585
			TBQ=	-2.076	-2.027	-1.537	XBQ=	-2.157	-1.600	-2.137
									M=	-2.759 5.518
									MG=	-1.149 2.297
									MQ=	-0.719 1.438

S.S. KARAKÖY PERŞEMBE PAZARI TÜCCARLARI TOPLU İŞYERİ YAPI KOOPERATİFİ 5 AKSI K004B

MALZEME ÖZELLİKLERİ

Beton Basınç Dayanımı : 130.00 kg/cm²
 Beton Çekme Dayanımı : 10.00 kg/cm²
 Çelik Çekme Dayanımı : 3650.00 kg/cm²
 Etriye Çekme Dayanımı : 3650.00 kg/cm²

1. KAT 5 AKSINA BENZERDİR

ACIKLIK

MESNET

B	D	Rob	MinM	Rou	Asu	DUZ	PLIYE	MONTAJ	ETRIYE	Vg	Vcr	XG	Mu	Rou	Asu	Nevu	Eku
			MaxM	Roa	Asa					Vg	Vd	XU	Ma	Roa	Asa	Neva	Eka
					Asm		1. PLIYE			Ve	Asw	XE			Asm		

K004B 90.0 51.0 1.36 10.97 0.08 5.97
7.76

K005B 90.0 51.0 1.36 19.47 0.16 10.74
13.96

K006B 90.0 36.0 1.36 5.06 0.08 3.90
5.40

4.38 29.83 -6.03 -49.17 0.64 29.56
3.09 19.04 -4.29 33.43 0.42 19.30
11.57 7.40 38.86 0.00

4.30 29.83 -6.92 -41.57 0.53 24.49
2.97 18.85 -4.67 23.76 0.29 13.41
11.57 7.40 29.99

6.67 29.83 -10.09 -43.20 0.56 25.56
5.75 20.55 -8.49 15.55 0.19 8.62
8.13 7.40 24.62

6.58 29.83 -10.09 -42.77 0.55 25.28
5.71 20.41 -8.49 15.12 0.18 8.37
8.13 7.40 24.19

2.31 21.06 -3.58 -15.74 0.40 12.82
1.41 6.88 -2.14 6.79 0.16 5.31
3.16 7.40 10.02 15.15

2.48 21.06 -3.45 -14.35 0.36 11.61
1.54 7.17 -2.14 5.67 0.14 4.41
3.16 7.40 8.77

9T50P516.66H510VK3G18D

BİLSAR A.Ş. MÜHENDİSLİK PROGRAMLARI (0212) 221 29 98 . HER HAKKI SAKLIDIR. SADECE TEM MÜHENDİSLİK LTD. TARAFINDAN KULLANILIR

S.S. KARAKÖY PERŞEMBE PAZARI TUCARLARI TOPLU İŞYERİ YAPI KOOPERATİFİ 6 AKSI K007B

ACIKLIK MOMENTLERİ			KESME KUVVETLERİ			MESNET MOMENTLERİ			KOLON MOMENTLERİ	
YER	MAX	MIN	MAX			MIN	DUZ	SER	UST	ALT
			IZOSTATIK	MIN	HESAP				M=	10.331 -10.331
									MG=	3.829 -3.829
									MQ=	3.107 -3.107
			TA=	21.797	20.703	14.981	XA=	-20.662	-14.969	-23.059
			TAG=	8.403	7.899	5.568	XAG=	-7.657	-5.485	-8.741
			TAQ=	6.270	6.027	4.491	XAQ=	-6.214	-4.557	-6.763
K007B	3.191	14.833								
			XB=	-20.019						
			TB=	-20.420	-21.761	-14.481	XB=	-25.195	-18.315	-23.059
			TBG=	-8.038	-8.542	-5.445	XBG=	-11.045	-6.774	-8.741
			TBQ=	-5.729	-6.126	-4.286	XBQ=	-8.583	-5.520	-6.763
									M=	8.663 -17.327
									MG=	1.415 -2.830
									MQ=	4.177 -8.353
			TA=	32.609	32.787	22.161	XA=	-43.278	-26.884	-33.108
			TAG=	11.892	11.913	7.763	XAG=	-15.290	-9.333	-11.755
			TAQ=	9.975	10.068	7.058	XAQ=	-13.670	-8.636	-10.407
K008B	3.503	23.212								
			XB=	-42.350						
			TB=	-32.609	-32.711	-22.085	XB=	-43.010	-26.655	-33.108
			TBG=	-11.892	-11.871	-7.721	XBG=	-15.141	-9.205	-11.755
			TBQ=	-9.975	-10.057	-7.047	XBQ=	-13.633	-8.604	-10.407
									M=	-9.687 19.374
									MG=	-1.998 3.995
									MQ=	-4.307 8.813
			TA=	18.851	19.537	13.932	XA=	-25.732	-15.963	-21.305
			TAG=	6.909	7.158	4.913	XAG=	-9.148	-5.569	-7.565
			TAQ=	5.736	5.947	4.409	XAQ=	-8.078	-5.104	-6.696
K009B	3.468	13.152								
			XB=	-21.338						
			TB=	-20.191	-19.611	-15.395	XB=	-21.338	-15.945	-21.305
			TBG=	-7.265	-7.016	-5.395	XBG=	-7.472	-5.542	-7.565
			TBQ=	-6.263	-6.118	-4.901	XBQ=	-6.798	-5.116	-6.696
									M=	-7.113 14.225
									MG=	-2.491 4.981
									MQ=	-2.266 4.532

S.S. KARAKÖY PERŞEMBE PAZARI TUCARLARI TOPLU İŞYERİ YAPI KOOPERATİFİ 6 AKSI K007B

MALZEME ÖZELLİKLERİ

Beton Basınç Dayanımı : 130.00 kg/cm²
 Beton Çekme Dayanımı : 10.00 kg/cm²
 Çelik Çekme Dayanımı : 3650.00 kg/cm²
 Etriye Çekme Dayanımı : 3650.00 kg/cm²

1. KAT 7 AKSINA BENZERDİR

ACIKLIK

MESNET

B	D	Rob	MinM	Rou	Asu	DUZ	PLIYE	MONTAJ	ETRIYE	Vg	Vcr	XG	Mu	Rou	Asu	Mevu	Eku
			MaxM	Roa	Asa					Vg	Vd	XQ	Ma	Roa	Asa	Meva	Eka
					Asm		1. PLIYE			Ve	Asw	XE			Asm		

7.40 0.00 0.00
K007B 90.0 51.0 1.36 14.83 0.11 8.12
10.55

10.93 0.00 0.00
K008B 90.0 51.0 1.36 23.21 0.19 12.88
16.34

6.32 0.00 0.00
K009B 90.0 36.0 1.36 13.15 0.20 10.35
11.88

5.57 29.83 -7.66 -45.24 0.59 26.91
4.49 19.26 -6.21 24.48 0.30 13.84
9.20 7.40 31.37 0.00

5.45 29.83 -8.74 -38.86 0.50 22.74
4.29 18.93 -6.76 15.49 0.19 8.59
9.20 7.40 23.36

7.76 29.83 -11.76 -45.28 0.59 26.93
7.06 22.31 -10.41 12.54 0.15 6.91
7.49 7.40 23.12

7.72 29.83 -11.76 -43.98 0.57 26.07
7.05 22.26 -10.41 11.24 0.13 6.17
7.49 7.40 21.81

4.91 21.06 -7.57 -22.57 0.59 19.02
4.41 13.93 -6.70 1.50 0.04 1.15
2.73 7.40 8.31

5.39 21.06 -7.47 -22.08 0.57 18.56
4.90 15.39 -6.70 1.18 0.03 0.91
2.73 7.40 7.91

9Ts0Ps16.66Hs10Vv3G18D

BİLSAR A.Ş. MÜHENDİSLİK PROGRAMLARI (0212) 221 29 98 . HER HAKKI SAKLIDIR. SADECE TEM MÜHENDİSLİK LTD. TARAFINDAN KULLANILIR

S.S. KARAKÖY PERŞEMBE PAZARI TüCCARLARI TOPLU İŞYERİ YAPI KOOPERATİFİ N AKSİ K010B

ACIKLIK MOMENTLERİ			KESME KUVVETLERİ			MESNET MOMENTLERİ			KOLON MOMENTLERİ	
YER	MAX	MIN	IZOSTATİK	MAX MIN	HESAP	MIN	DUZ	SER	UST	ALT
									M=	5.768 -11.536
									MG=	2.475 -4.950
									MQ=	1.440 -2.879
			TA=	15.647	15.866	14.427	XA=	-17.304	-12.941	-16.977
			TAG=	6.905	6.934	6.122	XAG=	-7.424	-5.518	-7.415
			TAQ=	3.737	3.850	3.661	XAQ=	-4.319	-3.260	-4.122
K010B	2.274	15.261								
			XA=	-17.304						
			XB=	-15.832						
			TB=	-10.074	-9.921	-8.091	XB=	-16.147	-11.187	-16.977
			TBG=	-4.758	-4.730	-3.616	XBG=	-7.236	-4.871	-7.415
			TBQ=	-2.133	-2.062	-1.893	XBQ=	-3.761	-2.730	-4.122
									M=	5.532 -5.532
									MG=	0.377 -0.377
									MQ=	3.127 -3.127
			TA=	17.365	17.674	10.676	XA=	-21.684	-12.847	-16.110
			TAG=	6.460	6.559	3.919	XAG=	-7.991	-4.711	-5.948
			TAQ=	5.200	5.307	3.244	XAQ=	-6.560	-3.907	-4.864
K011B	3.489	11.070								
			XA=	-21.509						
			XB=	-19.604						
			TB=	-14.444	-14.181	-10.770	XB=	-19.646	-12.556	-16.110
			TBG=	-5.593	-5.494	-3.918	XBG=	-7.298	-4.551	-5.948
			TBQ=	-4.134	-4.056	-3.302	XBQ=	-5.893	-3.865	-4.864
									M=	-8.148 3.148
									MG=	-2.486 2.486
									MQ=	-2.917 2.917
			TA=	3.726	3.749	2.426	XA=	-4.686	-2.812	-3.476
			TAG=	1.938	1.937	1.208	XAG=	-2.326	-1.358	-1.759
			TAQ=	0.633	0.648	0.459	XAQ=	-0.893	-0.569	-0.633
K012B	3.499	2.255								
			XA=	-4.572						
			XB=	-4.584						
			TB=	-3.726	-3.755	-2.432	XB=	-4.709	-2.832	-3.476
			TBG=	-1.938	-1.940	-1.210	XBG=	-2.335	-1.365	-1.759
			TBQ=	-0.633	-0.650	-0.461	XBQ=	-0.900	-0.576	-0.633
									M=	8.919 -8.919
									MG=	2.712 -2.712
									MQ=	3.201 -3.201
			TA=	17.365	17.548	10.550	XA=	-21.216	-12.442	-16.110
			TAG=	6.460	6.492	3.851	XAG=	-7.759	-4.513	-5.948
			TAQ=	5.200	5.287	3.224	XAQ=	-6.471	-3.827	-4.864
K011B	3.471	11.067								
			XA=	-21.174						
			XB=	-19.950						
			TB=	-14.444	-14.310	-10.899	XB=	-20.145	-12.990	-16.110
			TBG=	-5.593	-5.561	-3.986	XBG=	-7.538	-4.757	-5.948
			TBQ=	-4.134	-4.078	-3.325	XBQ=	-5.995	-3.956	-4.864
									M=	-4.401 4.401
									MG=	0.110 -0.110
									MQ=	-2.847 2.847
			TA=	10.801	10.868	8.926	XA=	-17.489	-12.055	-15.362
			TAG=	5.024	5.082	3.946	XAG=	-7.758	-5.218	-6.781
			TAQ=	2.354	2.346	2.126	XAQ=	-4.142	-2.969	-3.668
K010B	4.195	16.452								
			XA=	-17.202						
			XB=	-17.158						
			TB=	-14.916	-14.909	-13.586	XB=	-17.158	-13.058	-15.362
			TBG=	-6.638	-6.581	-5.792	XBG=	-7.374	-5.564	-6.781
			TBQ=	-3.514	-3.560	-3.424	XBQ=	-4.272	-3.293	-3.668
									M=	-5.719 11.439

MG= -2.458 4.916
MQ= -1.424 2.848

S.S. KARAKÖY PERŞEMBE PAZARI TUCCARLARI TOPLU İŞYERİ YAPI KOOPERATİFİ N AKSI K010B

MALZEME ÖZELLİKLERİ

Beton Basınç Dayanımı : 130.00 kg/cm2
Beton Çekme Dayanımı : 10.00 kg/cm2
Çelik Çekme Dayanımı : 3650.00 kg/cm2
Etriye Çekme Dayanımı : 3650.00 kg/cm2

1. KAT N AKSINA BENZERDİR

A C I K L I K

M E S N E T

B	D	Rob	MinM MaxM	Rou Roa	Asu Asa Asm	DUZ	PLIYE 1. PLIYE	MONTAJ	ETRIYE	Vg Vq Ve	Vcr Vd Asw	XG XQ XE	Mu Ma	Rou Roa	Asu Asa Asm	Mevu Meva	Eku Eka
			8.89	0.00	0.00					6.12	14.25	-7.42	-21.13	0.57	12.54		
										3.66	14.43	-4.12	2.92	0.07	1.59		
										3.54	7.75	9.60			0.00		
K010B	43.0	51.0	1.36	15.26	0.40	8.78											
										3.62	14.25	-7.24	-22.49	0.61	13.44		
										1.89	9.05	-3.76	4.98	0.12	2.73		
										3.54	3.53	11.49					
										3.92	14.25	-5.95	-23.98	0.66	14.45		
										3.24	11.55	-4.86	7.81	0.20	4.34		
										4.39	3.53	13.16					
K011B	43.0	51.0	1.36	11.07	0.28	6.24				3.92	14.25	-5.95	-24.00	0.66	14.47		
						7.80				3.30	11.61	-4.86	7.83	0.20	4.35		
										4.39	3.53	13.19					
										1.21	10.06	-1.76	-7.59	0.40	6.18		
										0.46	3.40	-0.63	3.61	0.18	2.83		
										1.73	3.53	5.19			7.24		
K012B	43.0	36.0	1.36	2.25	0.11	1.75											
						2.58				1.21	10.06	-1.76	-7.59	0.40	6.18		
										0.46	3.40	-0.63	3.61	0.18	2.83		
										1.73	3.53	5.19					
										3.85	14.25	-5.95	-24.00	0.66	14.47		
										3.22	11.47	-4.86	7.83	0.20	4.35		
										4.39	3.53	13.19					
K011B	43.0	51.0	1.36	11.07	0.28	6.24											
						7.80				3.99	14.25	-5.95	-23.98	0.66	14.45		
										3.32	11.70	-4.86	7.81	0.20	4.34		
										4.39	3.53	13.16					
										3.95	14.25	-6.78	-21.94	0.60	13.07		
										2.13	9.61	-3.67	5.39	0.13	2.96		
										3.54	3.53	11.49					
K010B	43.0	51.0	1.36	16.45	0.43	9.52											
										5.79	14.25	-6.78	-20.05	0.54	11.82		
										3.42	13.59	-3.67	3.49	0.09	1.90		
										3.54	3.53	9.60					

9T50P516.66H510V63G18D

BİLSAR A.Ş. MÜHENDİSLİK PROGRAMLARI (0212) 221 29 98 . HER HAKKI SAKLIDIR. SADECE TEM MÜHENDİSLİK LTD. TARAFINDAN KULLANILIR

S.S. KARAKÖY PERŞEMBE PAZARI TUCARLARI TOPLU İŞYERİ YAPI KOOPERATİFİ M AKSİ K013B

ACIKLIK MOMENTLERİ			KESME KUVVETLERİ			MESNET MOMENTLERİ			KOLON MOMENTLERİ	
YER	MAX	MIN	MAX		HESAP	MIN	DUZ	SER	UST	ALT
									M=	13.737 -27.474
									MG=	5.663 -11.325
									MQ=	3.631 -7.262
			TA=	39.628	39.742	36.403	XA=	-41.211	-30.282	-43.100
			TAG=	16.685	16.610	14.901	XAG=	-16.988	-12.420	-18.009
			TAQ=	10.169	10.305	9.713	XAQ=	-10.892	-8.058	-11.180
K013B	2.274	41.004								
			XB=	-40.448						
			TB=	-25.300	-25.332	-20.811	XB=	-41.152	-28.486	-43.100
			TBG=	-11.157	-11.232	-8.831	XBG=	-17.491	-11.875	-18.009
			TBQ=	-6.050	-6.004	-5.280	XBQ=	-10.415	-7.413	-11.180
									M=	-8.009 16.018
									MG=	-2.098 4.195
									MQ=	-3.170 6.340
			TA=	22.854	23.447	14.266	XA=	-29.478	-17.754	-21.247
			TAG=	8.822	9.017	5.380	XAG=	-11.198	-6.690	-8.085
			TAQ=	6.565	6.765	4.209	XAQ=	-8.625	-5.243	-6.205
K014B	3.510	14.544								
			XB=	-25.733						
			TB=	-19.811	-19.446	-14.002	XB=	-25.965	-16.242	-21.247
			TBG=	-7.955	-7.760	-5.187	XBG=	-9.833	-5.953	-8.085
			TBQ=	-5.421	-5.364	-4.212	XBQ=	-7.625	-4.943	-6.205
									M=	-5.747 11.495
									MG=	-1.329 2.657
									MQ=	-2.430 4.859
			TA=	9.976	10.109	6.133	XA=	-12.870	-7.815	-9.328
			TAG=	4.860	4.855	2.803	XAG=	-5.847	-3.419	-4.396
			TAQ=	1.982	2.070	1.381	XAQ=	-2.928	-1.893	-1.983
K015B	3.498	6.105								
			XB=	-12.256						
			TB=	-9.976	-10.133	-6.157	XB=	-12.966	-7.899	-9.328
			TBG=	-4.860	-4.865	-2.813	XBG=	-5.880	-3.447	-4.396
			TBQ=	-1.982	-2.076	-1.387	XBQ=	-2.959	-1.921	-1.983
									M=	6.223 -12.447
									MG=	1.458 -2.916
									MQ=	2.614 -5.228
			TA=	22.854	22.924	13.743	XA=	-27.514	-16.052	-21.247
			TAG=	8.822	8.742	5.105	XAG=	-10.253	-5.882	-8.085
			TAQ=	6.565	6.679	4.123	XAQ=	-8.224	-4.885	-6.205
K014B	3.454	14.525								
			XB=	-27.135						
			TB=	-19.811	-19.987	-14.543	XB=	-28.069	-18.075	-21.247
			TBG=	-7.955	-8.035	-5.463	XBG=	-10.815	-6.798	-8.085
			TBQ=	-5.421	-5.461	-4.310	XBQ=	-8.080	-5.349	-6.205
									M=	9.331 -18.661
									MG=	2.669 -5.338
									MQ=	3.496 -6.992
			TA=	26.926	27.517	23.066	XA=	-44.616	-30.857	-38.901
			TAG=	11.799	12.089	9.697	XAG=	-18.823	-12.778	-16.360
			TAQ=	6.504	6.621	5.932	XAQ=	-11.415	-8.105	-9.998
K013B	4.195	43.926								
			XB=	-40.896						
			TB=	-37.864	-37.408	-34.137	XB=	-40.896	-30.609	-38.901
			TBG=	-16.024	-15.735	-14.036	XBG=	-16.877	-12.550	-16.360
			TBQ=	-9.644	-9.612	-9.055	XBQ=	-10.792	-8.149	-9.998
									M=	-13.632 27.264

MG= -5.626 11.251
MQ= -3.597 7.195

S.S. KARAKÖY PERŞEMBE PAZARI TUCCARLARI TOPLU İŞYERİ YAPI KOOPERATİFİ M AKSİ K013B

MALZEME ÖZELLİKLERİ

Beton Basınç Dayanımı : 130.00 kg/cm2
Beton Çekme Dayanımı : 10.00 kg/cm2
Çelik Çekme Dayanımı : 3650.00 kg/cm2
Etriye Çekme Dayanımı : 3650.00 kg/cm2

1. KAT M AKSİNA BENZERDİR

A C I K L I K

M E S N E T

B	D	Rob	MinM	Rou	Asu	DUZ	PLIYE	MONTAJ	ETRIYE	Vg	Vcr	XG	Mu	Rou	Asu	Mevu	Eku
			MaxM	Roa	Asa		1. PLIYE			Vq	Vd	XQ	Ma	Roa	Asa	Meva	Eka
					Asm					Ve	Asw	XE			Asm		
			23.20	0.00	0.00					14.90	29.83	-16.99	-45.17	0.59	26.86		
K013B	90.0	51.0	1.36	41.00	0.32	23.24				9.71	36.40	-10.89	2.00	0.02	1.08		
										5.85	19.56	17.29			0.00		
			7.22	0.00	0.00					8.83	29.83	-17.49	-45.42	0.59	27.03		
K014B	90.0	51.0	1.36	14.54	0.12	7.97				5.28	20.81	-10.42	1.77	0.02	0.96		
						10.36				5.85	7.40	17.52					
			7.22	0.00	0.00					5.38	29.83	-8.09	-32.27	0.40	18.57		
K015B	90.0	51.0	1.36	6.11	0.05	3.31				4.21	15.54	-6.20	10.70	0.13	5.87		
						7.43				5.95	7.40	17.98					
			3.52	0.00	0.00					5.19	29.83	-8.09	-32.01	0.40	18.41		
K014B	90.0	51.0	1.36	14.52	0.12	7.96				4.21	15.35	-6.20	10.44	0.12	5.73		
						10.35				5.95	7.40	17.72					
			7.18	0.00	0.00					2.80	29.83	-4.40	-24.11	0.30	13.62		
K014B	90.0	51.0	1.36	14.52	0.12	7.96				1.38	10.09	-1.98	13.78	0.17	7.61		
						10.35				5.91	7.40	17.74			15.15		
			7.18	0.00	0.00					2.81	29.83	-4.40	-24.11	0.30	13.62		
K014B	90.0	51.0	1.36	14.52	0.12	7.96				1.39	10.11	-1.98	13.78	0.17	7.61		
						10.35				5.91	7.40	17.74			15.15		
			7.18	0.00	0.00					5.10	29.83	-8.09	-32.01	0.40	18.41		
K014B	90.0	51.0	1.36	14.52	0.12	7.96				4.12	15.18	-6.20	10.44	0.12	5.73		
						10.35				5.95	7.40	17.72					
			24.85	0.00	0.00					9.70	29.83	-16.36	-43.87	0.57	26.00		
K013B	90.0	51.0	1.36	43.93	0.34	25.01				5.93	23.07	-10.00	2.79	0.03	1.51		
										5.85	7.40	17.52					
			24.85	0.00	0.00					14.04	29.83	-16.36	-43.65	0.56	25.85		
K013B	90.0	51.0	1.36	43.93	0.34	25.01				9.05	34.14	-10.00	2.57	0.03	1.39		
										5.85	18.34	17.29					

9T50P516.66H510V63G18D

BİLSAR A.Ş. MÜHENDİSLİK PROGRAMLARI (0212) 221 29 98 . HER HAKKI SAKLIDIR. SADECE TEM MÜHENDİSLİK LTD. TARAFINDAN KULLANILIR

S.S. KARAKÖY PERŞEMBE PAZARI TİCCARLARI TOPLU İŞYERİ YAPI KOOPERATİFİ L AKSİ K016B

ACIKLIK MOMENTLERİ			KESME KUVVETLERİ			MESNET MOMENTLERİ			KOLON MOMENTLERİ	
YER	MAX	MIN	IZOSTATİK	MAX MIN	HESAP	MIN	DUZ	SER	UST	ALT
									N=	12.086 -24.173
									MG=	4.636 -9.271
									MQ=	3.498 -6.996
			TA=	38.287 37.538	29.998	XA=	-36.259 -25.937	-39.611		
			TAG=	14.824 14.454	11.532	XAG=	-13.907 -9.932	-15.358		
			TAQ=	10.958 10.814	8.658	XAQ=	-10.494 -7.520	-11.319		
K016B	2.274	30.703								
			XB=	-41.295		TB=	-26.730 -27.625	-22.081	XB=	-41.999 -28.187
						TBG=	-10.848 -11.218	-8.491	XBG=	-16.398 -10.788
						TBQ=	-7.215 -7.450	-6.371	XBQ=	-11.902 -8.177
									M=	-8.276 16.553
									MG=	-1.752 3.505
									MQ=	-3.639 7.279
			TA=	22.854 23.457	14.275	XA=	-29.523 -17.794	-21.247		
			TAG=	8.822 9.005	5.368	XAG=	-11.140 -6.638	-8.085		
			TAQ=	6.565 6.781	4.225	XAQ=	-8.704 -5.313	-6.205		
K017B	3.507	14.565								
			XB=	-25.772		TB=	-19.811 -19.463	-14.019	XB=	-26.004 -16.272
						TBG=	-7.955 -7.772	-5.200	XBG=	-9.860 -5.974
						TBQ=	-5.421 -5.364	-4.212	XBQ=	-7.625 -4.943
									M=	-5.760 11.521
									MG=	-1.338 2.676
									MQ=	-2.430 4.859
			TA=	9.976 10.109	6.133	XA=	-12.870 -7.816	-9.328		
			TAG=	4.860 4.855	2.803	XAG=	-5.847 -3.419	-4.396		
			TAQ=	1.982 2.070	1.381	XAQ=	-2.928 -1.893	-1.983		
K018B	3.498	6.104								
			XB=	-12.260		TB=	-9.976 -10.134	-6.158	XB=	-12.971 -7.904
						TBG=	-4.860 -4.865	-2.813	XBG=	-5.882 -3.450
						TBQ=	-1.982 -2.077	-1.388	XBQ=	-2.960 -1.922
									M=	6.253 -12.505
									MG=	1.479 -2.958
									MQ=	2.614 -5.228
			TA=	22.854 22.965	13.783	XA=	-27.605 -16.123	-21.247		
			TAG=	8.822 8.771	5.133	XAG=	-10.319 -5.934	-8.085		
			TAQ=	6.565 6.679	4.123	XAQ=	-8.224 -4.885	-6.205		
K017B	3.459	14.573								
			XB=	-26.944		TB=	-19.811 -19.956	-14.512	XB=	-27.921 -17.942
						TBG=	-7.955 -8.006	-5.434	XBG=	-10.679 -6.676
						TBQ=	-5.421 -5.467	-4.315	XBQ=	-8.106 -5.373
									M=	8.448 -16.896
									MG=	1.858 -3.715
									MQ=	3.655 -7.309
			TA=	28.949 30.489	21.069	XA=	-41.821 -26.576	-34.457		
			TAG=	11.402 11.985	8.178	XAG=	-16.252 -10.259	-13.425		
			TAQ=	8.117 8.569	6.013	XAQ=	-11.917 -7.633	-9.789		
K016B	4.195	28.702								
			XB=	-31.720		TB=	-31.153 -29.748	-25.899	XB=	-31.720 -23.539
						TBG=	-12.489 -11.905	-10.012	XBG=	-12.327 -9.053
						TBQ=	-8.543 -8.175	-7.427	XBQ=	-9.039 -6.791
									M=	-10.573 21.147

MG= -4.109 8.218
NQ= -3.013 6.026

S.S. KARAKÖY PERŞEMBE PAZARI TUCCARLARI TOPLU İŞYERİ YAPI KOOPERATİFİ L AKSI K016B

MALZEME ÖZELLİKLERİ

Beton Basınç Dayanımı : 130.00 kg/cm²
Beton Çekme Dayanımı : 10.00 kg/cm²
Çelik Çekme Dayanımı : 3650.00 kg/cm²
Etriye Çekme Dayanımı : 3650.00 kg/cm²

1. KAT L AKSINA BENZERDİR

A C I K L I K

M E S N E T

B	D	Rob	MinM	Rou	Asu	DUZ	PLIYE	MONTAJ	ETRIYE	Vg	Vcr	XG	Mu	Rou	Asu	Mevu	Eku
			MaxM	RoA	Asa		1. PLIYE			Vq	Vd	XQ	Ma	RoA	Asa	Meva	Eka
					Asm					Ve	Asw	XE			Asm		
			16.51	0.00	0.00					11.53	29.83	-13.91	-44.27	0.57	26.26		
										8.66	30.00	-10.49	7.35	0.09	4.01		
										6.80	16.11	19.87			0.00		
K016B	90.0	51.0	1.36	30.70	0.23	17.16											
										8.49	29.83	-15.36	-47.30	0.62	28.29		
										6.37	22.08	-11.32	6.80	0.08	3.70		
										6.80	7.40	20.62					
										5.37	29.83	-8.09	-34.04	0.43	19.68		
										4.23	16.25	-6.20	12.47	0.15	6.87		
										6.66	7.40	19.75					
K017B	90.0	51.0	1.36	14.57	0.12	7.98				5.20	29.83	-8.09	-34.47	0.43	19.95		
						10.37				4.21	16.07	-6.20	12.90	0.15	7.11		
										6.66	7.40	20.18					
										2.80	29.83	-4.40	-26.33	0.33	14.95		
										1.38	10.83	-1.98	16.00	0.19	8.88		
										6.65	7.40	19.95			15.15		
K018B	90.0	51.0	1.36	6.10	0.05	3.31				2.81	29.83	-4.40	-26.33	0.33	14.95		
						7.43				1.39	10.85	-1.98	16.00	0.19	8.88		
										6.65	7.40	19.95			15.15		
										5.13	29.83	-8.09	-34.48	0.43	19.96		
										4.12	15.92	-6.20	12.91	0.16	7.12		
										6.66	7.40	20.19					
K017B	90.0	51.0	1.36	14.57	0.12	7.98				5.43	29.83	-8.09	-34.05	0.43	19.69		
						10.38				4.32	16.41	-6.20	12.48	0.15	6.88		
										6.66	7.40	19.76					
										8.18	29.83	-13.42	-43.85	0.57	25.99		
										6.01	21.07	-9.79	8.55	0.10	4.67		
										6.81	7.40	20.64					
K016B	90.0	51.0	1.36	28.70	0.22	15.99				10.01	29.83	-12.33	-41.24	0.53	24.28		
						16.34				7.43	25.90	-9.04	8.78	0.10	4.80		
										6.81	7.40	19.88					

9T50P516.66H510VK3G18D

BİLSAR A.Ş. MÜHENDİSLİK PROGRAMLARI (0212) 221 29 98 . HER HAKKI SAKLIDIR. SADECE TEM MÜHENDİSLİK LTD. TARAFINDAN KULLANILIR

S.S. KARAKÖY PERŞEMBE PAZARI TİCCARLARI TOPLU İŞYERİ YAPI KOOPERATİFİ K AKSI K019B

ACIKLIK MOMENTLERI				KESME KUVVETLERI			MESNET MOMENTLERI			KOLON MOMENTLERI		
YER	MAX	MIN	MAX	IZOSTATIK	MIN	HESAP	MIN	DUZ	SER	UST	ALT	
										M=	7.450	-7.450
										MG=	2.614	-2.614
										MQ=	2.369	-2.369
				TA=	17.211	16.518	10.977	XA=	-14.899	-10.357	-16.780	
				TAG=	6.153	5.843	3.869	XAG=	-5.228	-3.621	-6.021	
				TAQ=	5.373	5.211	3.475	XAQ=	-4.738	-3.305	-5.220	
K019B	3.160	11.201	5.349									
		XA= -14.899										
		XB= -19.559		TB=	-13.251	-14.079	-10.876	XB=	-20.210	-13.170	-16.780	
				TBG=	-4.977	-5.287	-3.868	XBG=	-7.311	-4.668	-6.021	
				TBQ=	-3.926	-4.173	-3.413	XBQ=	-6.234	-4.147	-5.220	
										M=	3.324	-6.648
										MG=	0.108	-0.215
										MQ=	1.983	-3.967
				TA=	16.840	17.278	10.506	XA=	-21.420	-12.781	-15.642	
				TAG=	6.086	6.218	3.739	XAG=	-7.634	-4.525	-5.614	
				TAQ=	5.200	5.358	3.294	XAQ=	-6.708	-4.029	-4.864	
K020B	3.497	10.968	5.219									
		XA= -20.856										
		XB= -18.627		TB=	-13.920	-13.620	-10.435	XB=	-18.714	-11.904	-15.642	
				TBG=	-5.219	-5.086	-3.672	XBG=	-6.705	-4.162	-5.614	
				TBQ=	-4.134	-4.062	-3.309	XBQ=	-5.829	-3.798	-4.864	
										M=	-5.276	10.552
										MG=	-1.594	3.189
										MQ=	-1.902	3.805
				TA=	3.207	3.255	2.133	XA=	-4.235	-2.607	-3.012	
				TAG=	1.567	1.565	0.980	XAG=	-1.922	-1.140	-1.428	
				TAQ=	0.633	0.665	0.476	XAQ=	-0.965	-0.632	-0.633	
K021B	3.497	1.917	1.097									
		XA= -3.996										
		XB= -4.017		TB=	-3.207	-3.266	-2.144	XB=	-4.279	-2.646	-3.012	
				TBG=	-1.567	-1.570	-0.985	XBG=	-1.938	-1.154	-1.428	
				TBQ=	-0.633	-0.668	-0.479	XBQ=	-0.978	-0.644	-0.633	
										M=	5.754	-11.507
										MG=	1.733	-3.465
										MQ=	2.080	-4.160
				TA=	16.840	16.961	10.190	XA=	-20.201	-11.720	-15.642	
				TAG=	6.086	6.073	3.594	XAG=	-7.136	-4.100	-5.614	
				TAQ=	5.200	5.287	3.223	XAQ=	-6.381	-3.738	-4.864	
K020B	3.456	10.959	5.196									
		XA= -20.115										
		XB= -19.395		TB=	-13.920	-13.951	-10.766	XB=	-20.029	-13.053	-15.642	
				TBG=	-5.219	-5.231	-3.817	XBG=	-7.223	-4.607	-5.614	
				TBQ=	-4.134	-4.142	-3.389	XBQ=	-6.198	-4.127	-4.864	
										M=	3.623	-7.245
										MG=	0.233	-0.466
										MQ=	2.060	-4.120
				TA=	16.286	17.648	10.876	XA=	-22.162	-13.338	-17.042	
				TAG=	5.878	6.361	3.882	XAG=	-7.922	-4.742	-6.098	
				TAQ=	5.035	5.464	3.401	XAQ=	-6.919	-4.187	-5.315	
K019B	3.568	11.551	5.536									
		XA= -21.576										
		XB= -13.223		TB=	-14.360	-13.118	-10.962	XB=	-13.223	-9.616	-17.042	
				TBG=	-5.307	-4.824	-3.855	XBG=	-4.676	-3.349	-6.098	
				TBQ=	-4.332	-3.978	-3.478	XBQ=	-4.173	-3.079	-5.315	
										M=	-4.408	8.815

MG= -1.559 3.117
MQ= -1.391 2.782

S.S. KARAKÖY PERŞEMBE PAZARI TüCCARLARI TOPLU İŞYERİ YAPI KOOPERATİFİ K AKSI K019B

MALZEME ÖZELLİKLERİ

Beton Basınç Dayanımı : 130.00 kg/cm²
Beton Çekme Dayanımı : 10.00 kg/cm²
Çelik Çekme Dayanımı : 3650.00 kg/cm²
Etriye Çekme Dayanımı : 3650.00 kg/cm²

1. KAT K AKSINA BENZERDİR

ACIKLIK

MESNET

B	D	Rob	MinM	Rou	Asu	DUZ	PLIYE	MONTAJ	ETRIYE	Vg	Vcr	XG	Mu	Rou	Asu	Mevu	Eku
			MaxM	Roa	Asa					Vq	Vd	XQ	Ma	Roa	Asa	Meva	Eka
					Asm		1. PLIYE			Ve	Asw	XE			Asm		
			5.35	0.00	0.00					3.87	14.25	-5.23	-27.00	0.76	16.57		
										3.48	12.28	-4.74	12.33	0.32	6.99		
										4.94	3.53	17.03			0.00		
K019B	43.0	51.0	1.36	11.20	0.08	6.10											
					7.80												
										3.87	14.25	-6.02	-23.57	0.65	14.18		
										3.41	12.22	-5.22	6.91	0.17	3.82		
										4.94	3.53	12.33					
										3.74	14.25	-5.61	-19.88	0.53	11.71		
										3.29	10.51	-4.86	4.35	0.11	2.38		
										3.17	3.53	9.40					
K020B	43.0	51.0	1.36	10.97	0.09	5.98											
					7.78												
										3.67	14.25	-5.61	-20.10	0.54	11.86		
										3.31	10.43	-4.86	4.57	0.11	2.50		
										3.17	3.53	9.62					
										0.98	10.06	-1.43	-5.91	0.31	4.74		
										0.48	2.74	-0.63	2.56	0.13	1.99		
										1.28	3.53	3.85			6.16		
K021B	43.0	36.0	1.36	1.92	0.03	1.47											
					2.58												
										0.98	10.06	-1.43	-5.92	0.31	4.75		
										0.48	2.74	-0.64	2.56	0.13	1.99		
										1.28	3.53	3.85			5.11		
										3.59	14.25	-5.61	-20.17	0.54	11.90		
										3.22	10.19	-4.86	4.64	0.12	2.54		
										3.20	3.53	9.69					
K020B	43.0	51.0	1.36	10.96	0.09	5.98											
					7.77												
										3.82	14.25	-5.61	-20.03	0.54	11.81		
										3.39	10.77	-4.86	4.50	0.11	2.46		
										3.20	3.53	9.55					
										3.88	14.25	-6.10	-20.87	0.56	12.36		
										3.40	10.88	-5.32	3.97	0.10	2.17		
										3.23	3.53	9.45					
K019B	43.0	51.0	1.36	11.55	0.08	6.29											
					7.80												
										3.85	14.25	-4.68	-18.64	0.50	10.91		
										3.48	10.96	-4.17	5.58	0.14	3.07		
										3.23	3.53	9.79					

-18 KOTLU KAT KIRIŞLARI

97s0Ps16.66Hs10Vh3G18D

BİLSAR A.Ş. MÜHENDİSLİK PROGRAMLARI (0212) 221 29 98 . HER HAKKI SAKLIDIR. SADECE TEM MÜHENDİSLİK LTD. TARAFINDAN KULLANILIR

S.S. KARAKÖY PERŞEMBE PAZARI TUCARLARI TOPLU İŞYERİ YAPI KOOPERATİFİ 4 AKSI K001A

ACIKLIK MOMENTLERİ			KESME KUVVETLERİ			MESNET MOMENTLERİ			KOLON MOMENTLERİ		
YER	MAX	MIN	IZOSTATIK	MIN	HESAP	MIN	DUZ	SER	UST	ALT	
									M=	3.255	-3.255
									MG=	1.415	-1.415
									MQ=	0.796	-0.796
			TA=	7.518	7.034	5.017	XA=	-6.511	-4.576	-7.899	
			TAG=	3.380	3.148	2.178	XAG=	-2.830	-1.965	-3.479	
			TBQ=	1.741	1.642	1.229	XBQ=	-1.593	-1.141	-1.893	
K001A	3.147	5.299	3.166								
		XA=	-6.511								
		XB=	-9.765								
			TB=	-7.130	-7.657	-5.014	XB=	-9.973	-6.145	-7.899	
			TBG=	-3.275	-3.507	-2.190	XBG=	-4.396	-2.643	-3.479	
			TBQ=	-1.591	-1.716	-1.218	XBQ=	-2.386	-1.528	-1.893	
									M=	-2.306	2.306
									MG=	-0.389	0.389
									MQ=	-1.101	1.101
			TA=	6.647	6.698	4.715	XA=	-8.734	-5.385	-6.583	
			TAG=	2.851	2.873	1.930	XAG=	-3.619	-2.182	-2.722	
			TBQ=	1.660	1.672	1.259	XBQ=	-2.292	-1.456	-1.732	
K002A	3.515	4.496	2.542								
		XA=	-8.648								
		XB=	-8.423								
			TB=	-6.647	-6.615	-4.632	XB=	-8.423	-5.115	-6.583	
			TBG=	-2.851	-2.828	-1.885	XBG=	-3.463	-2.049	-2.722	
			TBQ=	-1.660	-1.659	-1.246	XBQ=	-2.234	-1.404	-1.732	
									M=	-4.211	4.211
									MG=	-1.731	1.731
									MQ=	-1.117	1.117

S.S. KARAKÖY PERŞEMBE PAZARI TUCARLARI TOPLU İŞYERİ YAPI KOOPERATİFİ 4 AKSI K001A

MALZEME ÖZELLİKLERİ

Beton Basınç Dayanımı : 130.00 kg/cm²
 Beton Çekme Dayanımı : 10.00 kg/cm²
 Çelik Çekme Dayanımı : 3650.00 kg/cm²
 Etriye Çekme Dayanımı : 3650.00 kg/cm²

2. KAT 4 AKSIHA BENZERDİR

A C I K L I K										M E S N E T									
B	D	Rob	MinM	Rou	Asu	DUZ	PLIYE	MONTAJ	ETRIYE	Vg	Vcr	XG	Mu	Rou	Asu	Mevu	Eku		
			MaxM	Roa	Asa					Vq	Vd	XQ	Ma	Roa	Asa	Meva	Eka		
					Asm		1. PLIYE			Ve	Asw	XE			Asm				
										2.18	14.25	-2.83	-21.52	0.58	12.79				
										1.23	9.32	-1.59	14.55	0.38	8.34				
										5.91	3.53	17.09			0.00				
			3.17	0.00	0.00														
K001A	43.0	51.0	1.36	5.30	0.13	2.91													
					3.78														
										2.19	14.25	-3.48	-23.42	0.64	14.07				
										1.22	9.32	-1.89	14.91	0.39	8.56				
										5.91	3.53	18.05							
										1.93	10.06	-2.72	-12.21	0.68	10.46				
										1.26	5.82	-1.77	15.70	0.37	8.27				

34

1.15 3.52 1.73 3.30 0.27 4.13
2.63 3.53 7.75

K002A 43.0 36.0 1.36 2.54 0.00 0.00
4.50 0.23 3.56
4.62

1.89 10.06 -2.72 -12.48 0.69 10.72
1.25 5.76 -1.73 5.57 0.29 4.45
2.63 3.53 8.02

9T50P516.66H510V63G18D

BİLSAR A.Ş. MÜHENDİSLİK PROGRAMLARI (0212) 221 29 98 . HER HAKKI SAKLIDIR. SADECE TEM MÜHENDİSLİK LTD. TARAFINDAN KULLANILIR

S.S. KARAKÖY PERŞEMBE PAZARI TUCCARLARI TOPLU İŞYERİ YAPI KOOPERATİFİ 5A AKSI K011A

ACIKLIK MOMENTLERİ			KESME KUVVETLERİ			MESNET MOMENTLERİ			KOLON MOMENTLERİ		
YER	MAX	MIN	IZOSTATİK	MAX MIN	HESAP	MIN	DUZ	SER	UST	ALT	
									M=	0.000	0.000
									MG=	0.000	0.000
									MQ=	0.000	0.000
			TA=	16.751	13.081	12.394	XA=	0.000	0.000	0.000	
			TAG=	6.544	4.712	4.221	XAG=	-0.000	0.000	0.000	
			TAB=	4.743	4.053	4.053	XAB=	-0.000	0.000	0.000	
K011A	2.763	21.003									
			XB=	-24.913							
			TB=	-17.435	-22.292	-21.302	XB=	-32.963	-32.963	-31.972	
			TBG=	-6.729	-8.561	-7.989	XBG=	-12.438	-12.438	-12.059	
			TBQ=	-5.009	-6.441	-6.324	XBQ=	-9.719	-9.719	-9.431	
									M=	0.000	0.000
									MG=	0.000	0.000
									MQ=	0.000	0.000
			TA=	17.192	21.901	21.214	XA=	-32.963	-32.963	-33.765	
			TAG=	6.727	8.504	8.013	XAG=	-12.438	-12.438	-12.762	
			TAB=	4.859	6.248	6.248	XAB=	-9.719	-9.719	-9.936	
K011	4.135	22.566									
			XB=	-0.000							
			TB=	-17.192	-13.555	-12.868	XB=	-0.000	0.000	0.000	
			TBG=	-6.727	-4.950	-4.459	XBG=	0.000	0.000	0.000	
			TBQ=	-4.859	-4.141	-4.141	XBQ=	-0.000	0.000	0.000	
									M=	0.000	0.000
									MG=	0.000	0.000
									MQ=	0.000	0.000

S.S. KARAKÖY PERŞEMBE PAZARI TUCCARLARI TOPLU İŞYERİ YAPI KOOPERATİFİ 5A AKSI K011A

MALZEME ÖZELLİKLERİ

Beton Basınç Dayanımı :	130.00 kg/cm2
Beton Çekme Dayanımı :	10.00 kg/cm2
Çelik Çekme Dayanımı :	3650.00 kg/cm2
Etriye Çekme Dayanımı :	3650.00 kg/cm2

ACIKLIK										MESNET							
B	D	Rob	MinM	Rou	Asu					Vg	Vcr	XG	Mu	Rou	Asu	Mevu	Eku
			MaxM	Roa	Asa	DUZ	PLIYE	MONTAJ	ETRIYE	Vq	Vd	XB	Ma	Roa	Asa	Meva	Eka
					Asm		1. PLIYE			Ve	Asw	XE			Asm		
										4.22	23.20	0.00	0.00	0.00	0.00		
										4.05	12.39	0.00	0.00	0.00	0.00		
										0.00	5.75	0.00					
			6.04	0.00	0.00												
K011A	70.0	51.0	1.36	21.00	0.18	11.64											
						12.70				7.99	23.20	-12.44	-11.19	0.55	19.46		
										6.32	21.30	-9.72	-32.96	0.00	0.00		
										0.00	5.75	0.00			0.00		
										8.01	23.20	-12.44	-11.19	0.55	19.46		

6.23 21.21 3.72 32.38 0.00 0.00
0.00 5.75 0.00 0.00

7.21 0.00 0.00
K011 70.0 51.0 1.36 22.57 0.19 12.53
12.70

4.46 23.20 0.00 0.00 0.00 0.00
4.14 12.87 0.00 0.00 0.00 0.00
0.00 5.75 0.00

9Ts0Ps16.66Hs10Vr3G18D

BİLSAR A.Ş. MÜHENDİSLİK PROGRAMLARI (0212) 221 29 98 . HER HAKKI SAKLIDIR. SADECE TEM MÜHENDİSLİK LTD. TARAFINDAN KULLANILIR

S.S. KARAKÖY PERŞEMBE PAZARI TüCCARLARI TOPLU İŞYERİ YAPI KOOPERATİFİ 5 AKSI K003A

ACIKLIK MOMENTLERİ			KESME KUVVETLERİ			MESNET MOMENTLERİ			KOLON MOMENTLERİ	
YER	MAX	MIN	IZOSTATİK	MAX MIN	HESAP	MIN	DUZ	SER	UST	ALT
									M=	7.684 -7.684
									MG=	3.012 -3.012
									MQ=	2.167 -2.167
			TA=	16.364 15.550	11.116	XA=	-15.368 -11.092	-17.151		
			TAG=	6.726 6.309	4.376	XAG=	-6.023 -4.288	-6.917		
			TAG=	4.342 4.198	3.119	XAG=	-4.334 -3.180	-4.667		
K003A	3.192	11.014	5.914							
			XB=	-20.845		TB=	-15.456 -16.381	-10.656	XB=	-21.370 -13.180 -17.151
						TBG=	-6.506 -6.923	-4.306	XBG=	-8.827 -5.366 -6.917
						TBQ=	-3.967 -4.181	-2.892	XBQ=	-5.632 -3.542 -4.667
									M=	5.135 -5.135
									MG=	1.503 -1.503
									MQ=	-2.414 2.414
			TA=	18.442 18.844	11.937	XA=	-23.916 -14.494	-17.684		
			TAG=	9.574 9.740	5.892	XAG=	-11.834 -6.964	-8.876		
			TAG=	3.149 3.255	2.305	XAG=	-4.593 -2.965	-3.286		
K004A	3.542	12.604	8.504							
			XB=	-21.457		TB=	-18.442 -18.200	-11.293	XB=	-21.457 -12.337 -17.684
						TBG=	-9.574 -9.408	-5.560	XBG=	-10.672 -5.968 -8.876
						TBQ=	-3.149 -3.143	-2.193	XBQ=	-4.073 -2.581 -3.286
									M=	-10.729 10.729
									MG=	-5.336 5.336
									MQ=	-2.036 2.036

S.S. KARAKÖY PERŞEMBE PAZARI TüCCARLARI TOPLU İŞYERİ YAPI KOOPERATİFİ 5 AKSI K003A

MALZEME ÖZELLİKLERİ

Beton Basınç Dayanımı :	130.00 kg/cm2	
Beton Çekme Dayanımı :	10.00 kg/cm2	
Çelik Çekme Dayanımı :	3650.00 kg/cm2	
Etriye Çekme Dayanımı :	3650.00 kg/cm2	2. KAT 5 AKSINA BENZERDİR

ACIKLIK										MESNET									
B	D	Rob	MinM	Rou	Asu					Vg	Vcr	XG	Ma	Rou	Asu	Mevu	Eku		
			MaxM	Roa	Asa	DUZ	PLIYE	MONTAJ	ETRIYE	Vg	Vd	XG	Ma	Roa	Asa	Meva	Eka		
					Asm		1. PLIYE			Ve	Asw	XE			Asm				
										4.38	29.83	-6.02	-78.25	1.12	51.62				
										3.12	26.99	-4.33	62.47	0.85	39.04				
										19.50	7.40	67.89			0.00				
			5.91	0.00	0.00														
K003A	90.0	51.0	1.36	11.01	0.08	6.00				4.31	29.83	-6.92	-59.69	0.81	36.99				
					7.80					2.89	26.70	-4.67	41.88	0.54	24.69				
										19.50	7.40	48.11							
										5.89	29.83	-8.88	-44.73	0.58	26.57				
										2.78	26.16	-3.99	34.58	0.30	17.80				

1.30 19.10 -3.29 24.38 0.30 15.30
10.96 7.40 32.57

8.50 0.00 0.00
K004A 90.0 51.0 1.36 12.60 0.07 6.85
8.90

5.56 29.83 -8.88 -45.54 0.59 27.11
2.19 18.71 -3.29 25.39 0.31 14.38
10.96 7.40 33.38

9Ts0Ps16.66Hs10Vk3G18D

BİLSAR A.Ş. MÜHENDİSLİK PROGRAMLARI (0212) 221 29 98 . HER HAKKI SAKLIDIR. SADECE TEM MÜHENDİSLİK LTD. TARAFINDAN KULLANILIR

S.S. KARAKÖY PERŞEMBE PAZARI TUCCARLARI TOPLU İŞYERİ YAPI KOOPERATİFİ N AKSI K006A

ACIKLIK MOMENTLERİ			KESME KUVVETLERİ			MESNET MOMENTLERİ			KOLON MOMENTLERİ	
YER	MAX	MIN	IZOSTATIK	MAX MIN	HESAP	MIN	DUZ	SER	UST	ALT
									M=	10.597 -10.597
									MG=	3.861 -3.861
									MQ=	3.245 -3.245
			TA=	18.466	18.633	10.514	XA=	-21.194	-11.878	-16.179
			TAG=	6.787	6.807	3.833	XAG=	-7.721	-4.318	-5.968
			TAQ=	5.602	5.690	3.217	XAQ=	-6.490	-3.645	-4.890
K006A	3.466	11.093	XB=	-20.020						
			TB=	-14.464	-14.340	-10.928	XB=	-20.224	-13.054	-16.179
			TBG=	-5.599	-5.580	-4.004	XBG=	-7.585	-4.795	-5.968
			TBQ=	-4.141	-4.080	-3.327	TBQ=	-6.003	-3.963	-4.890
									M=	-4.200 4.200
									MG=	0.257 -0.257
									MQ=	-2.850 2.850
			TA=	10.801	11.225	9.283	XA=	-18.277	-12.664	-15.362
			TAG=	5.024	5.236	4.100	XAG=	-8.100	-5.482	-6.781
			TAQ=	2.354	2.434	2.214	XAQ=	-4.336	-3.119	-3.668
K005A	4.195	17.165	XB=	-17.996						
			TB=	-14.916	-14.550	-13.227	XB=	-15.537	-11.535	-15.362
			TBG=	-6.638	-6.427	-5.637	XBG=	-6.677	-4.909	-6.781
			TBQ=	-3.514	-3.470	-3.334	TBQ=	-3.868	-2.914	-3.668
									M=	-7.768 7.768
									MG=	-3.338 3.338
									MQ=	-1.934 1.934

S.S. KARAKÖY PERŞEMBE PAZARI TUCCARLARI TOPLU İŞYERİ YAPI KOOPERATİFİ N AKSI K006A

MALZEME ÖZELLİKLERİ

Beton Basınç Dayanımı : 130.00 kg/cm²
 Beton Çekme Dayanımı : 10.00 kg/cm²
 Çelik Çekme Dayanımı : 3650.00 kg/cm²
 Etriye Çekme Dayanımı : 3650.00 kg/cm²

2. KAT N AKSINA BENZERDİR

A C I K L I K										M E S N E T							
B	D	Rob	MinM	Rou	Asu	DUZ	PLIYE	MONTAJ	ETRIYE	Vg	Vcr	XG	Mu	Rou	Asu	Mevu	Eku
			MaxM	Roa	Asa					Vq	Vd	XQ	Ma	Roa	Asa	Meva	Eka
					Asm					Ve	Asw	XE			Asm		
							1. PLIYE										
										3.83	14.25	-5.97	-35.12	1.04	22.77		
										3.22	15.07	-4.89	18.89	0.50	11.07		
										8.02	8.10	24.26			0.00		
			5.61	0.00	0.00												
K006A	43.0	51.0	1.36	11.09	0.29												
					7.80												
										4.00	14.25	-5.97	-34.74	1.02	22.46		
										3.33	15.35	-4.89	18.51	0.49	10.83		
										8.02	8.25	23.88					
										4.10	14.25	-6.78	-29.22	0.83	18.19		

1.21 11.61 -3.67 12.87 0.33 7.13
5.30 3.53 18.77

10.01 0.00 0.00
K005A 43.0 51.0 1.36 17.17 0.45 9.97

5.64 14.25 -6.68 -23.09 0.63 13.85
3.33 14.27 -3.67 6.73 0.17 3.72
5.30 7.67 12.74

9Ts0Ps16.66Hs10Vh3G18D

BİLSAR A.Ş. MÜHENDİSLİK PROGRAMLARI (0212) 221 29 98 . HER HAKKI SAKLIDIR. SADECE TEM MÜHENDİSLİK LTD. TARAFINDAN KULLANILIR

S.S. KARAKÖY PERŞEMBE PAZARI TİCCARLARI TOPLU İŞYERİ YAPI KOOPERATİFİ M AKSI K008A

ACIKLIK MOMENTLERİ			KESME KUVVETLERİ			MESNET MOMENTLERİ			KOLON MOMENTLERİ	
YER	MAX	MIN	IZOSTATIK	MIN	HESAP	MIN	DUZ	SER	UST	ALT
									M=	14.082 -14.082
									MG=	6.235 -6.235
									MQ=	3.345 -3.345
			TA=	26.331	26.026	14.507	XA=	-28.164	-15.151	-23.189
			TAG=	11.946	11.639	6.440	XAG=	-12.471	-6.651	-10.575
			TAB=	6.004	6.082	3.432	XAB=	-6.691	-3.650	-5.240
K008A	3.412	16.232	XA=	-28.164						
			XB=	-30.303						
			TB=	-22.162	-22.810	-16.196	XB=	-31.938	-20.533	-23.189
			TBG=	-10.758	-11.065	-7.264	XBG=	-14.621	-9.088	-10.575
			TBQ=	-4.438	-4.574	-3.767	XBQ=	-7.168	-4.881	-5.240
									M=	11.924 -11.924
									MG=	2.606 -2.606
									MQ=	5.173 -5.173
			TA=	26.926	28.528	24.076	XA=	-46.710	-32.446	-38.901
			TAG=	11.799	12.536	10.144	XAG=	-19.832	-13.564	-16.360
			TAB=	6.504	6.860	6.171	XAB=	-11.840	-8.410	-9.998
K007A	4.195	46.103	XA=	-45.952						
			XB=	-36.207						
			TB=	-37.864	-36.415	-33.145	XB=	-36.207	-26.193	-38.901
			TBG=	-16.024	-15.287	-13.588	XBG=	-14.875	-10.671	-16.360
			TBQ=	-9.644	-9.383	-8.826	XBQ=	-9.614	-7.033	-9.998
									M=	-18.104 18.104
									MG=	-7.438 7.438
									MQ=	-4.807 4.807

S.S. KARAKÖY PERŞEMBE PAZARI TİCCARLARI TOPLU İŞYERİ YAPI KOOPERATİFİ M AKSI K008A

MALZEME ÖZELLİKLERİ

Beton Basınç Dayanımı : 130.00 kg/cm²
 Beton Çekme Dayanımı : 10.00 kg/cm²
 Çelik Çekme Dayanımı : 3650.00 kg/cm²
 Etriye Çekme Dayanımı : 3650.00 kg/cm²

2. KAT M AKSINA BENZERDİR

A C I K L I K										M E S N E T									
B	D	Rob	MinM	Rou	Asu					Vg	Vcr	XG	Mu	Rou	Asu	Mevu	Eku		
			MaxM	Roa	Asa	DUZ	PLIYE	MONTAJ	ETRIYE	Vg	Vd	XQ	Ma	Roa	Asa	Meva	Eka		
					Asm		1. PLIYE			Ve	Asw	XE			Asm				
										6.44	29.83	-10.57	-38.12	0.49	22.26				
										3.43	16.91	-5.24	12.79	0.15	7.05				
										7.04	7.40	22.31			0.00				
			9.67	0.00	0.00														
K008A	90.0	51.0	1.36	16.23	0.09	8.85				7.26	29.83	-10.57	-36.50	0.46	21.23				
					11.50					3.77	18.07	-5.24	11.17	0.13	6.14				
										7.04	7.40	20.69							
										10.14	29.83	-16.36	-47.53	0.82	28.44				

6.17 24.00 -10.00 0.43 0.00 3.31
6.96 7.40 21.17

26.03 0.00 0.00
K007A 90.0 51.0 1.36 46.10 0.36 26.33

13.59 29.83 -14.88 -44.69 0.58 26.55
8.83 33.14 -9.61 6.82 0.08 3.71
6.96 17.81 20.21

9Ts0Ps16.66Hs10Vh3G18D

BİLSAR A.Ş. MÜHENDİSLİK PROGRAMLARI (0212) 221 29 98 . HER HAKKI SAKLIDIR. SADECE TEM MÜHENDİSLİK LTD. TARAFINDAN KULLANILIR

S.S. KARAKÖY PERŞEMBE PAZARI TUCCARLARI TOPLU İŞYERİ YAPI KOOPERATİFİ L AKSI K009A

ACIKLIK MOMENTLERİ			KESME KUVVETLERİ			MESNET MOMENTLERİ			KOLON MOMENTLERİ	
YER	MAX	MIN	IZOSTATİK	MIN	HESAP	MIN	DUZ	SER	UST	ALT
									M=	10.906 -10.906
									MG=	5.114 -5.114
									MQ=	2.341 -2.341
			TA=	14.053	14.879	11.584	XA=	-21.811	-14.371	-18.764
			TAG=	6.929	7.353	5.393	XAG=	-10.228	-6.551	-8.726
			TAQ=	2.721	2.866	2.521	XAQ=	-4.582	-3.250	-4.093
K009A	4.195	20.884								
			XB=	-16.258						
			TB=	-18.264	-17.438	-15.182	XB=	-16.258	-11.463	-18.764
			TBG=	-8.588	-8.164	-6.796	XBG=	-7.376	-5.131	-8.726
			TBQ=	-3.900	-3.755	-3.542	XBQ=	-3.708	-2.675	-4.093
									M=	-8.129 8.129
									MG=	-3.688 3.688
									MQ=	-1.854 1.854

S.S. KARAKÖY PERŞEMBE PAZARI TUCCARLARI TOPLU İŞYERİ YAPI KOOPERATİFİ L AKSI K009A

MALZEME ÖZELLİKLERİ

Beton Basınç Dayanımı : 130.00 kg/cm²
 Beton Çekme Dayanımı : 10.00 kg/cm²
 Çelik Çekme Dayanımı : 3650.00 kg/cm²
 Etriye Çekme Dayanımı : 3650.00 kg/cm²

2. KAT L ARSINA BENZERDİR

A C I K L I K										M E S N E T							
B	D	Rob	MinM	Reu	Asu	DUZ	PLIYE	MONTAJ	ETRIYE	Vg	Vcr	XG	Mu	Kou	Asu	Nevu	Lku
			MaxM	Roa	Asa					Vç	Vd	XB	Ma	Roa	Asa	Neva	Eka
					Asm		1. PLIYE			Ve	Asw	XE			Asm		
			12.78	0.00	0.00					5.39	29.83	-8.73	-37.12	0.47	21.62		
										2.52	15.79	-4.09	16.45	0.20	9.14		
										7.88	7.40	24.30			0.00		
K009A	90.0	51.0	1.36	20.88	0.11	11.42											
						14.85				6.80	29.83	-7.38	-34.21	0.43	19.78		
										3.54	18.22	-3.71	16.48	0.20	9.16		
										7.88	7.40	23.12					

9T50Ps16.66Hs10Vh3G18D

BİLSAR A.Ş. MÜHENDİSLİK PROGRAMLARI (0212) 221 29 98 . HER HAKKI SAKLIDIR. SADECE TEM MÜHENDİSLİK LTD. TARAFINDAN KULLANILIR

S.S. KARAKÖY PERŞEMBE PAZARI TUCCARLARI TOPLU İŞYERİ YAPI KOOPERATİFİ E2 AKSI K010A

ACIKLIK MOMENTLERİ			KESME KUVVETLERİ			MESNET MOMENTLERİ			KOLON MOMENTLERİ	
YER	MAX	MIN	IZOSTATİK	MAX MIN	HESAP	MIN	DUZ	SER	UST	ALT
									M=	9.955 -9.955
									MG=	7.111 -7.111
									MQ=	0.000 -0.000
			TA=	12.251	12.251	11.112	XA=	-19.910	-19.910	-30.318
			TAG=	8.751	8.751	7.937	XAG=	-14.222	-14.222	-21.656
			TAQ=	0.000	0.000	0.000	XAQ=	0.000	0.000	0.000
K010A	4.949	10.408	XA=	-19.910						
			XB=	-19.910						
			TB=	-12.251	-12.251	-11.112	XB=	-19.910	-19.910	-30.318
			TBG=	-8.751	-8.751	-7.937	XBG=	-14.222	-14.222	-21.656
			TBQ=	-0.000	0.000	0.000	XBQ=	0.000	0.000	0.000
									M=	-9.955 9.955
									MG=	-7.111 7.111
									MQ=	0.000 -0.000

S.S. KARAKÖY PERŞEMBE PAZARI TUCCARLARI TOPLU İŞYERİ YAPI KOOPERATİFİ E2 AKSI K010A

MALZEME ÖZELLİKLERİ

Beton Basınç Dayanımı : 130.00 kg/cm²
 Beton Çekme Dayanımı : 10.00 kg/cm²
 Çelik Çekme Dayanımı : 3650.00 kg/cm²
 Etriye Çekme Dayanımı : 3650.00 kg/cm²

2. KAT E2 AKSINA BENZERDİR

A C I K L I K										M E S N E T							
B	D	Rob	MinM	Rou	Asu	DUZ	PLIYE	MONTAJ	ETRIYE	Vg	Vcr	XG	Mu	Rou	Asu	Mevu	Eku
			MaxM	Roa	Asa					Vq	Vd	XQ	Ma	Roa	Asa	Meva	Eka
					Asm		1. PLIYE			Ve	Asw	XE			Asm		
			10.41	0.00	0.00					7.94	20.93	-14.22	-3.14	0.48	15.45		
										0.00	11.11	0.00	-23.88	0.00	0.00		
										1.94	5.75	9.66			0.00		
K010A	70.0	46.0	1.36	10.41	0.20	6.41											
					8.33												
										7.94	20.93	-14.22	-2.14	0.50	16.16		
										0.00	11.11	0.00	-24.88	0.00	0.00		
										1.94	5.75	10.66					

+6 KOTLU KAT KIRIŞLARI

9T50P516.66H510VK3G18D

BİLSAR A.Ş. MÜHENDİSLİK PROGRAMLARI (0212) 221 29 98 . HER HAKKI SAKLIDIR. SADECE TEM MÜHENDİSLİK LTD. TARAFINDAN KULLANILIR

S.S. KARAKÖY PERŞEMBE PAZARI TüCCARLARI TOPLU İŞYERİ YAPI KOOPERATİFİ 4 AKSI K701

ACIKLIK MOMENTLERI			KESME KUVVETLERI			MESNET MOMENTLERI			KOLON MOMENTLERI		
YER	MAX	MIN	IZOSTATIK	MAX MIN	HESAP	MIN	DUZ	SER	UST	ALT	
									M=	7.351	-7.351
									MG=	2.683	-2.683
									MQ=	2.247	-2.247
			TA=	16.327	15.409	12.045	XA=	-14.702	-11.235	-20.702	
			TAG=	6.110	5.747	4.390	XAG=	-5.365	-4.072	-7.621	
			TAQ=	4.858	4.602	3.687	XAQ=	-4.494	-3.459	-6.271	
K701	3.200	12.470	XA= -14.702								
			6.327								
			XB= -20.926								
			TB=	-15.371	-16.319	-12.744	XB=	-21.072	-15.360	-20.702	
			TBG=	-5.827	-6.190	-4.677	XBG=	-7.828	-5.662	-7.621	
			TBQ=	-4.508	-4.783	-3.873	XBQ=	-6.320	-4.646	-6.271	
									M=	-8.665	8.665
									MG=	-2.706	2.706
									MQ=	-3.048	3.048
			TA=	3.726	3.814	2.828	XA=	-5.095	-3.760	-4.360	
			TAG=	1.938	1.938	1.379	XAG=	-2.417	-1.738	-2.207	
			TAQ=	0.633	0.688	0.561	XAQ=	-1.070	-0.829	-0.794	
K702	3.500	2.151	XA= -4.681								
			1.236								
			XB= -4.682								
			TB=	-3.726	-3.814	-2.828	XB=	-5.095	-3.761	-4.360	
			TBG=	-1.938	-1.938	-1.379	XBG=	-2.417	-1.738	-2.207	
			TBQ=	-0.633	-0.688	-0.561	XBQ=	-1.070	-0.829	-0.794	
									M=	8.665	-8.665
									MG=	2.707	-2.707
									MQ=	3.049	-3.049
			TA=	15.385	16.335	12.743	XA=	-21.080	-15.362	-20.547	
			TAG=	5.831	6.195	4.677	XAG=	-7.830	-5.662	-7.575	
			TAQ=	4.514	4.789	3.872	XAQ=	-6.323	-4.647	-6.214	
K701	3.575	12.470	XA= -20.933								
			6.327								
			XB= -14.699								
			TB=	-16.312	-15.392	-12.046	XB=	-14.699	-11.236	-20.547	
			TBG=	-6.106	-5.742	-4.391	XBG=	-5.364	-4.072	-7.575	
			TBQ=	-4.853	-4.596	-3.687	XBQ=	-4.493	-3.459	-6.214	
									M=	-7.349	7.349
									MG=	-2.682	2.682
									MQ=	-2.247	2.247

S.S. KARAKÖY PERŞEMBE PAZARI TüCCARLARI TOPLU İŞYERİ YAPI KOOPERATİFİ 4 AKSI K701

MALZEME ÖZELLİKLERİ

Beton Basınç Dayanımı : 130.00 kg/cm²
 Beton Çekme Dayanımı : 10.00 kg/cm²
 Çelik Çekme Dayanımı : 3650.00 kg/cm²
 Etriye Çekme Dayanımı : 3650.00 kg/cm²

10. KAT 4 AKSINA BENZERDİR

A C I K L I K										M E S N E T							
B	D	Rob	MinM	Rou	Asu	DUZ	PLIYE	MONTAJ	ETRIYE	Vg	Vcr	XG	Mu	Rou	Asu	Mevu	Eku
			MaxM	Roa	Asa					Vq	Vd	XQ	Ma	Roa	Asa	Meva	Eka
					Asw		1. PLIYE			Ve	Asw	XE			Asw		

4.39 14.25 -5.37 -15.70 0.41 9.05

K701 43.0 51.0 1.36 6.33 0.00 0.00
12.47 0.32 7.08
7.80

K702 43.0 36.0 1.36 1.24 0.00 0.00
2.15 0.11 1.67
2.58

K701 43.0 51.0 1.36 6.33 0.00 0.00
12.47 0.32 7.08
7.80

3.69 12.05 -4.49 1.01 0.02 0.55
1.94 3.53 5.84 0.00

4.68 14.25 -7.62 -0.69 0.56 12.25
3.87 12.74 -6.27 -20.70 0.00 0.00
1.94 3.53 6.17

1.38 10.06 -2.21 -5.57 0.29 4.45
0.56 2.83 -0.83 0.55 0.03 0.42
0.81 3.53 2.54 6.01

1.38 10.06 -2.21 -5.57 0.29 4.45
0.56 2.83 -0.83 0.55 0.03 0.42
0.81 3.53 2.54 5.11

4.68 14.25 -7.57 -0.65 0.55 12.15
3.87 12.74 -6.21 -20.55 0.00 0.00
1.94 3.53 6.17

4.39 14.25 -5.36 -15.70 0.41 9.05
3.69 12.05 -4.49 1.02 0.02 0.55
1.94 3.53 5.84

9Ts0Ps16.66Hs10Vh3G18D

BİLSAR A.Ş. MÜHENDİSLİK PROGRAMLARI (0212) 221 29 98 . HER HAKKI SAKLIDIR. SADECE TEM MÜHENDİSLİK LTD. TARAFINDAN KULLANILIR

S.S. KARAKÖY PERŞEMBE PAZARI TUCARLARI TOPLU İŞYERİ YAPI KOOPERATİFİ 5 AKSI K703

ACIKLIK MOMENTLERİ			KESME KUVVETLERİ			MESNET MOMENTLERİ			KOLON MOMENTLERİ		
YER	MAX	MIN	IZOSTATİK	MAX MIN	HESAP	MIN	DUZ	SER	UST	ALT	
									M=	8.107	-8.107
									MG=	2.960	-2.960
									MQ=	2.477	-2.477
			TA=	21.763	19.837	15.076	XA=	-16.214	-11.751	-27.246	
			TAG=	8.416	7.549	5.551	XAG=	-5.920	-4.221	-10.330	
			TAQ=	6.238	5.793	4.565	XAQ=	-4.954	-3.650	-7.990	
K703	3.100	17.249	XA=	-16.214							
			XB=	-29.261							
			TB=	-20.620	-22.912	-17.733	XB=	-31.133	-23.113	-27.246	
			TBG=	-8.113	-8.979	-6.675	XBG=	-11.791	-8.649	-10.330	
			TBQ=	-5.789	-6.463	-5.242	XBQ=	-9.140	-6.878	-7.990	
									M=	-6.655	6.655
									MG=	-0.569	0.569
									MQ=	-3.661	3.661
			TA=	21.293	21.682	16.491	XA=	-28.838	-21.249	-26.616	
			TAG=	8.376	8.376	6.070	XAG=	-10.653	-7.722	-10.130	
			TAQ=	5.979	6.222	4.995	XAQ=	-8.702	-6.524	-7.771	
K704	3.500	15.062	XA=	-26.954							
			XB=	-26.955							
			TB=	-21.293	-21.683	-16.491	XB=	-28.839	-21.250	-26.616	
			TBG=	-8.376	-8.376	-6.070	XBG=	-10.654	-7.722	-10.130	
			TBQ=	-5.979	-6.223	-4.996	XBQ=	-8.702	-6.525	-7.771	
									M=	6.656	-6.656
									MG=	0.570	-0.570
									MQ=	3.662	-3.662
			TA=	20.637	22.930	17.731	XA=	-31.141	-23.115	-27.069	
			TAG=	8.116	8.983	6.675	XAG=	-11.794	-8.649	-10.282	
			TAQ=	5.796	6.471	5.241	XAQ=	-9.144	-6.879	-7.922	
K703	3.675	17.248	XA=	-29.269							
			XB=	-16.211							
			TB=	-21.745	-19.818	-15.078	XB=	-16.211	-11.752	-27.069	
			TBG=	-8.411	-7.544	-5.552	XBG=	-5.919	-4.222	-10.282	
			TBQ=	-6.231	-5.785	-4.566	XBQ=	-4.953	-3.651	-7.922	
									M=	-8.105	6.105
									MG=	-2.960	2.960
									MQ=	-2.476	2.476

S.S. KARAKÖY PERŞEMBE PAZARI TUCARLARI TOPLU İŞYERİ YAPI KOOPERATİFİ 5 AKSI K703

MALZEME ÖZELLİKLERİ

Beton Basınç Dayanımı : 130.00 kg/cm²
 Beton Çekme Dayanımı : 10.00 kg/cm²
 Çelik Çekme Dayanımı : 3650.00 kg/cm²
 Etriye Çekme Dayanımı : 3650.00 kg/cm²

10. KAT 5 AKSINA BENZERDİR

ACIKLIK

MESNET

B	D	Rob	MinM	Rou	Asu	DUZ	PLIYE	MONTAJ	ETRIYE	Vg	Vcr	XG	Mu	Rou	Asu	Mevu	Eku
			MaxM	Roa	Asa					Vq	Vd	XQ	Ma	Roa	Asa	Meva	Eka
					Asm		1. PLIYE			Ve	Asw	XE			Asm		

				8.36	0.00	0.00
K703	90.0	51.0	1.36	17.25	0.13	9.47
						12.31

				6.37	0.00	0.00
K704	90.0	51.0	1.36	15.06	0.12	8.26
						10.74

				8.36	0.00	0.00
K703	90.0	51.0	1.36	17.25	0.13	9.47
						12.31

3.33	29.83	-3.92	-21.30	0.18	11.08
4.57	15.08	-4.95	5.30	0.06	2.88
3.52	7.40	10.63			0.00

6.68	29.83	-10.33	-29.52	0.37	16.88
5.24	17.73	-7.99	1.90	0.02	1.03
3.52	7.40	11.20			

6.07	29.83	-10.13	-29.63	0.37	16.95
5.00	16.49	-7.77	2.61	0.03	1.41
3.64	7.40	11.73			

6.07	29.83	-10.13	-29.13	0.36	16.64
5.00	16.49	-7.77	2.11	0.02	1.14
3.64	7.40	11.23			

6.67	29.83	-10.28	-29.87	0.37	17.10
5.24	17.73	-7.92	2.41	0.03	1.30
3.59	7.40	11.66			

5.55	29.83	-5.92	-21.48	0.26	12.07
4.57	15.08	-4.95	5.29	0.06	2.87
3.59	7.40	10.61			15.15

9TsOPs16.66Hs10Vh3G18D

BİLSAR A.Ş. MÜHENDİSLİK PROGRAMLARI (0212) 221 29 98 . HER HAKKI SAKLIDIR. SADECE TEM MÜHENDİSLİK LTD. TARAFINDAN KULLANILIR

S.S. KARAKÖY PERŞEMBE PAZARI TUCCARLARI TOPLU İŞYERİ YAPI KOOPERATİFİ 6 AKSI K705

ACIKLIK MOMENTLERİ			KESME KUVVETLERİ			MESNET MOMENTLERİ			KOLON MOMENTLERİ		
YER	MAX	MIN	IZOSTATİK	MAX MIN	HESAP	MIN	DUZ	SER	UST	ALT	
									M=	8.090	-8.090
									MG=	2.955	-2.955
									MQ=	2.471	-2.471
			TA=	21.721	19.799	15.046	XA=	-16.181	-11.726	-27.192	
			TAG=	8.403	7.537	5.542	XAG=	-5.910	-4.214	-10.313	
			TAQ=	6.224	5.779	4.554	XAQ=	-4.942	-3.642	-7.971	
K705	3.100	17.213	XB=	-29.207							
			TB=	-20.582	-22.871	-17.699	XB=	-31.079	-23.074	-27.192	
			TBG=	-8.101	-8.966	-6.665	XBG=	-11.775	-8.637	-10.313	
			TBQ=	-5.775	-6.449	-5.230	TBQ=	-9.121	-6.864	-7.971	
									M=	-6.630	6.630
									MG=	-0.561	0.561
									MQ=	-3.652	3.652
			TA=	21.293	21.681	16.490	XA=	-28.831	-21.243	-26.616	
			TAG=	8.376	8.376	6.070	XAG=	-10.652	-7.720	-10.130	
			TAQ=	5.979	6.222	4.995	XAQ=	-8.699	-6.522	-7.771	
K706	3.500	15.064	XB=	-26.952							
			TB=	-21.293	-21.682	-16.490	XB=	-28.833	-21.244	-26.616	
			TBG=	-8.376	-8.376	-6.070	XBG=	-10.652	-7.721	-10.130	
			TBQ=	-5.979	-6.222	-4.995	TBQ=	-8.700	-6.522	-7.771	
									M=	6.633	-6.633
									MG=	0.562	-0.562
									MQ=	3.654	-3.654
			TA=	20.598	22.889	17.697	XA=	-31.087	-23.076	-27.016	
			TAG=	8.104	8.970	6.665	XAG=	-11.777	-8.637	-10.265	
			TAQ=	5.783	6.456	5.229	XAQ=	-9.124	-6.865	-7.903	
K705	3.675	17.213	XB=	-29.216							
			TB=	-21.703	-19.779	-15.047	XB=	-16.178	-11.727	-27.016	
			TBG=	-8.398	-7.532	-5.542	XBG=	-5.909	-4.214	-10.265	
			TBQ=	-6.216	-5.772	-4.555	TBQ=	-4.941	-3.642	-7.903	
									M=	-8.089	8.089
									MG=	-2.954	2.954
									MQ=	-2.470	2.470

S.S. KARAKÖY PERŞEMBE PAZARI TUCCARLARI TOPLU İŞYERİ YAPI KOOPERATİFİ 6 AKSI K705

MALZEME ÖZELLİKLERİ

Beton Basınç Dayanımı : 130.00 kg/cm2
 Beton Çekme Dayanımı : 10.00 kg/cm2
 Çelik Çekme Dayanımı : 3650.00 kg/cm2
 Etriye Çekme Dayanımı : 3650.00 kg/cm2

10. KAT 6 AKSINA BENZERDİR

ACIKLIK

MESNET

			MinM	Rou	Asu								Vg	Vcr	XG	Mu	Rou	Asu	Mevu	Eku
B	D	Rob	MaxM	Roa	Asa	DUZ	PLIYE	MONTAJ	ETRIYE				Vq	Vd	XQ	Ma	Roa	Asa	Meva	Eka
					Asw		1. PLIYE						Ve	Asw	XE			Asw		

8.35 0.00 0.00
 K705 90.0 51.0 1.36 17.21 0.13 9.45
 12.28

6.38 0.00 0.00
 K706 90.0 51.0 1.36 15.06 0.12 8.26
 10.74

8.35 0.00 0.00
 K705 90.0 51.0 1.36 17.21 0.13 9.45
 12.28

3.34 29.83 -3.91 -20.91 0.26 11.73
 4.55 15.05 -4.94 4.74 0.06 2.57
 3.41 7.40 10.06 0.00

6.66 29.83 -10.31 -29.36 0.37 16.79
 5.23 17.70 -7.97 1.79 0.02 0.97
 3.41 7.40 11.08

6.07 29.83 -10.13 -28.56 0.36 16.30
 4.99 16.49 -7.77 1.54 0.02 0.83
 3.46 7.40 10.66

6.07 29.83 -10.13 -29.04 0.36 16.59
 4.99 16.49 -7.77 2.02 0.02 1.09
 3.46 7.40 11.14

6.66 29.83 -10.27 -28.79 0.36 16.44
 5.23 17.70 -7.90 1.38 0.02 0.74
 3.34 7.40 10.62

5.54 29.83 -5.91 -20.93 0.26 11.74
 4.55 15.05 -4.94 4.76 0.06 2.58
 3.34 7.40 10.08 15.15

9Ts0Ps16.66Hs10Vh3G18D

BİLSAR A.Ş. MÜHENDİSLİK PROGRAMLARI (0212) 221 29 98 . HER HAKKI SAKLIDIR. SADECE TEM MÜHENDİSLİK LTD. TARAFINDAN KULLANILIR

S.S. KARAKÖY PERŞEMBE PAZARI TüCCARLARI TOPLU İŞYERİ YAPI KOOPERATİFİ N AKSİ K709

ACIKLIK MOMENTLERİ			KESME KUVVETLERİ			MESNET MOMENTLERİ			KOLON MOMENTLERİ	
YER	MAX	MIN	IZOSTATİK	MAX MIN	HESAP	MIN	DÜZ	SEK	ÜST	ALT
									M=	1.693 -1.693
									MG=	0.878 -0.878
									MQ=	0.289 -0.289
			TA=	4.467 4.024	2.822	XA=	-3.385 -2.480	-5.306		
			TAG=	2.438 2.161	1.482	XAG=	-1.757 -1.271	-2.863		
			TAQ=	0.659 0.624	0.467	XAQ=	-0.578 -0.438	-0.811		
K709	3.055	2.892	XB=	-3.385						
		1.880	TB=	-4.366 -5.008	-3.580	XB=	-7.362 -5.609	-5.306		
			TBG=	-2.418 -2.695	-1.856	XBG=	-3.631 -2.687	-2.863		
			TBQ=	-0.613 -0.772	-0.613	XBQ=	-1.424 -1.154	-0.811		
									M=	7.345 -7.345
									MG=	2.036 -2.036
									MQ=	2.809 -2.809
			TA=	17.365 17.619	12.234	XA=	-20.876 -14.709	-20.208		
			TAG=	6.460 6.530	4.480	XAG=	-7.704 -5.418	-7.461		
			TAQ=	5.200 5.298	3.726	XAQ=	-6.307 -4.453	-6.102		
K710	3.480	11.676	XB=	-20.746						
		5.831	TB=	-14.444 -14.253	-12.455	XB=	-19.331 -14.342	-20.208		
			TBG=	-5.593 -5.523	-4.538	XBG=	-7.215 -5.282	-7.461		
			TBQ=	-4.134 -4.075	-3.813	XBQ=	-5.768 -4.342	-6.102		
									M=	-7.143 7.143
									MG=	-2.027 2.027
									MQ=	-2.691 2.691
			TA=	4.510 4.689	3.264	XA=	-6.596 -4.955	-5.238		
			TAG=	2.498 2.489	1.651	XAG=	-3.161 -2.290	-2.834		
			TAQ=	0.633 0.752	0.595	XAQ=	-1.357 -1.093	-0.794		
K711	3.491	2.479	XB=	-5.682						
		1.226	TB=	-4.510 -4.732	-3.306	XB=	-6.767 -5.111	-5.238		
			TBG=	-2.498 -2.507	-1.669	XBG=	-3.224 -2.346	-2.834		
			TBQ=	-0.633 -0.763	-0.606	XBQ=	-1.409 -1.142	-0.794		
									M=	7.759 -7.759
									MG=	2.210 -2.210
									MQ=	2.916 -2.916
			TA=	17.365 17.585	12.200	XA=	-20.769 -14.614	-20.208		
			TAG=	6.460 6.513	4.463	XAG=	-7.643 -5.364	-7.461		
			TAQ=	5.200 5.292	3.720	XAQ=	-6.293 -4.440	-6.102		
K710	3.472	11.675	XB=	-20.601						
		5.831	TB=	-14.444 -14.286	-12.488	XB=	-19.438 -14.437	-20.208		
			TBG=	-5.593 -5.541	-4.556	XBG=	-7.277 -5.337	-7.461		
			TBQ=	-4.134 -4.081	-3.819	XBQ=	-5.782 -4.353	-6.102		
									M=	-6.696 6.696
									MG=	-1.844 1.844
									MQ=	-2.572 2.572
			TA=	4.364 4.977	3.551	XA=	-7.221 -5.479	-5.295		
			TAG=	2.418 2.686	1.848	XAG=	-3.589 -2.649	-2.861		
			TAQ=	0.612 0.760	0.603	XAQ=	-1.373 -1.107	-0.806		
K709	3.711	2.906	XB=	-6.324						
		1.913	TB=	-4.465 -4.034	-2.834	XB=	-3.407 -2.499	-5.295		
			TBG=	-2.437 -2.169	-1.491	XBG=	-1.772 -1.284	-2.861		
			TBQ=	-0.658 -0.623	-0.467	XBQ=	-0.578 -0.438	-0.806		
									M=	-1.703 1.703
									MG=	-0.886 0.886
									MQ=	-0.289 0.289

S.S. KARAKÖY PERŞEMBE PAZARI TUCARLARI TOPLU İŞYERİ YAPI KOOPERATİFİ N AKSI K709

MALZEME ÖZELLİKLERİ

Beton Basınç Dayanımı : 130.00 kg/cm²
 Beton Çekme Dayanımı : 10.00 kg/cm²
 Çelik Çekme Dayanımı : 3650.00 kg/cm²
 Etriye Çekme Dayanımı : 3650.00 kg/cm²

10. KAT N AKSINA BENZERDİR

A C I K L I K

M E S N E T

B	D	Rob	MinM	Rou	Asu	MaxM	Roa	Asa	Asm	DUZ	PLIYE	MONTAJ	ETRIYE	Vg	Vcr	XG	Mu	Rou	Asu	Mevu	Eku
														Vg	Vd	XG	Ma	Roa	Asa	Meva	Eka
											1. PLIYE			Ve	Asw	XE			Asm		
														1.48	14.25	-1.76	-7.96	0.20	4.42		
														0.47	3.79	-0.58	4.04	0.10	2.21		
														1.84	3.53	5.63			0.00		
			1.88	0.00	0.00																
K709	43.0	51.0	1.36	2.89	0.07	1.57															
						3.55															
														1.86	14.25	-2.86	-9.81	0.25	5.50		
														0.61	4.31	-1.15	3.22	0.08	1.75		
														1.84	3.53	5.80			7.15		
														4.48	14.25	-7.46	-0.76	0.54	11.93		
														3.73	12.23	-6.10	-20.21	0.00	0.00		
														1.89	3.53	5.96					
			5.83	0.00	0.00																
K710	43.0	51.0	1.36	11.68	0.30	6.60								4.54	14.25	-7.28	-0.58	0.52	11.36		
						7.80								3.81	12.46	-5.77	-19.33	0.00	0.00		
														1.89	3.53	5.95					
														1.65	14.25	-2.86	-9.87	0.25	5.53		
														0.69	4.14	-1.09	3.39	0.08	1.65		
														1.89	3.53	5.94			7.19		
			1.23	0.00	0.00																
K711	43.0	51.0	1.36	2.48	0.06	1.35								1.67	14.25	-2.83	-9.91	0.25	5.56		
						3.55								0.61	4.16	-1.14	3.39	0.08	1.65		
														1.89	3.53	5.94			7.23		
														4.46	14.25	-7.46	-0.77	0.54	11.93		
														3.72	12.20	-6.10	-20.21	0.00	0.00		
														1.89	3.53	5.95					
			5.83	0.00	0.00																
K710	43.0	51.0	1.36	11.67	0.30	6.60								4.56	14.25	-7.28	-0.59	0.52	11.42		
						7.80								3.82	12.49	-5.78	-19.44	0.00	0.00		
														1.89	3.53	5.96					
														1.85	14.25	-2.86	-9.76	0.25	5.47		
														0.60	4.29	-1.11	3.22	0.08	1.75		
														1.84	3.53	5.80			7.11		
			1.91	0.00	0.00																
K709	43.0	51.0	1.36	2.91	0.07	1.58								1.49	14.25	-1.77	-7.98	0.20	4.43		
						3.55								0.47	3.80	-0.58	4.03	0.10	2.20		
														1.84	3.53	5.63			6.01		

9T50P516.66H510V3G18D

BİLSAR A.Ş. MÜHENDİSLİK PROGRAMLARI (0212) 221 29 98 . HER HAKKI SAKLIDIR. SADECE TEM MÜHENDİSLİK LTD. TARAFINDAN KULLANILIR

S.S. KARAKÖY PERŞEMBE PAZARI TUCARLARI TOPLU İŞYERİ YAPI KOOPERATİFİ M AKSİ K712

ACIKLIK MOMENTLERI			KESME KUVVETLERI			MESNET MOMENTLERI			KOLON MOMENTLERI		
YER	MAX	MIN	IZOSTATIK	MAX MIN	HESAP	MIN	DUZ	SER	UST	ALT	
									M=	8.110 -8.110	
									MG=	2.958 -2.958	
									MQ=	2.481 -2.481	
K712	3.080	17.118	8.299	TA=	23.306	21.528	14.906	XA=	-16.220	-11.377 -26.912	
				TAG=	8.854	8.026	5.499	XAG=	-5.915	-4.110 -10.233	
				TAQ=	6.819	6.432	4.505	XAQ=	-4.962	-3.515 -7.866	
				TB=	-19.048	-21.201	-17.846	XB=	-30.187	-22.756 -26.912	
				TBG=	-7.662	-8.490	-6.708	XBG=	-11.525	-8.553 -10.233	
				TBQ=	-5.201	-5.822	-5.285	XBQ=	-8.782	-6.745 -7.866	
									M=	-6.071 6.071	
									MG=	-0.353 0.353	
									MQ=	-3.486 3.486	
K713	3.488	15.117	6.478	TA=	22.854	23.486	16.418	XA=	-29.314	-21.094 -26.652	
				TAG=	8.822	8.905	6.064	XAG=	-10.820	-7.703 -10.142	
				TAQ=	6.565	6.887	4.955	XAQ=	-8.854	-6.443 -7.783	
				TB=	-19.811	-19.949	-16.618	XB=	-27.623	-20.640 -26.652	
				TBG=	-7.955	-7.872	-6.096	XBG=	-10.242	-7.486 -10.142	
				TBQ=	-5.421	-5.580	-5.052	XBQ=	-8.303	-6.350 -7.783	
									M=	5.680 -5.680	
									MG=	0.190 -0.190	
									MQ=	3.509 -3.509	
K714	3.477	15.196	6.574	TA=	22.810	23.367	16.313	XA=	-28.897	-20.718 -26.600	
				TAG=	8.808	8.854	6.017	XAG=	-10.621	-7.522 -10.126	
				TAQ=	6.549	6.857	4.930	XAQ=	-8.767	-6.367 -7.765	
				TB=	-19.776	-19.989	-16.660	XB=	-27.727	-20.731 -26.600	
				TBG=	-7.944	-7.898	-6.123	XBG=	-10.301	-7.537 -10.126	
				TBQ=	-5.409	-5.582	-5.055	XBQ=	-8.316	-6.362 -7.765	
									M=	5.765 -5.765	
									MG=	0.130 -0.130	
									MQ=	3.489 -3.489	
K713	3.466	15.117	6.481	TA=	22.854	23.336	16.268	XA=	-28.702	-20.624 -26.652	
				TAG=	8.822	8.831	5.990	XAG=	-10.562	-7.471 -10.142	
				TAQ=	6.565	6.858	4.926	XAQ=	-8.753	-6.353 -7.783	
				TB=	-19.811	-20.097	-16.766	XB=	-28.141	-21.107 -26.652	
				TBG=	-7.955	-7.946	-6.170	XBG=	-10.501	-7.720 -10.142	
				TBQ=	-5.421	-5.608	-5.080	XBQ=	-8.399	-6.437 -7.783	
									M=	6.862 -6.862	
									MG=	0.681 -0.681	
									MQ=	3.693 -3.693	
K714	3.652	17.080	8.311	TA=	22.171	24.570	17.516	XA=	-31.369	-22.769 -27.149	
				TAG=	8.552	9.451	6.614	XAG=	-11.864	-8.556 -10.303	
				TAQ=	6.374	7.087	5.160	XAQ=	-9.224	-6.744 -7.953	
				TB=	-20.131	-18.080	-15.211	XB=	-15.693	-11.625 -27.149	
				TBG=	-7.950	-7.051	-5.592	XBG=	-5.777	-4.190 -10.303	
				TBQ=	-5.625	-5.130	-4.613	XBQ=	-4.754	-3.599 -7.953	
									M=	-7.847 7.847	
									MG=	-2.888 2.888	
									MQ=	2.222 -2.222	

S.S. KARAKÖY PERŞEMBE PAZARI TUCARLARI TOPLU İŞYERİ YAPI KOOPERATİFİ M AKSI K712

MALZEME ÖZELLİKLERİ

Beton Basınç Dayanımı : 130.00 kg/cm²
 Beton Çekme Dayanımı : 10.00 kg/cm²
 Çelik Çekme Dayanımı : 3650.00 kg/cm²
 Etriye Çekme Dayanımı : 3650.00 kg/cm²

10. KAT M AKSINA BENZERDİR

A C I K L I K

M E S N E T

B	D	Rob	MinM	Rou	Asu	MaxM	Roa	Asa	Asm	DUZ	PLIYE	MONTAJ	ETRIYE	Vg	Vcr	XG	Mu	Rou	Asu	Mevu	Ekü
														Vq	Vd	XQ	Ma	Roa	Asa	Meva	Eka
											1. PLIYE			Ve	Asw	XE			Asm		
														5.50	29.83	-5.92	-20.97	0.26	11.77		
														4.50	14.91	-4.96	4.77	0.06	2.59		
														3.35	7.40	10.10			0.00		
			8.30	0.00	0.00																
K712	90.0	51.0	1.36	17.12	0.13	8.39															
						12.21															
														6.71	29.83	-10.23	-28.76	0.36	16.42		
														5.28	17.85	-7.87	1.45	0.02	0.78		
														3.35	7.40	10.66					
														6.06	29.83	-10.14	-29.07	0.36	16.61		
														4.96	16.42	-7.78	2.02	0.02	1.09		
														3.53	7.40	11.14					
			6.48	0.00	0.00																
K713	90.0	51.0	1.36	15.12	0.12	8.29															
						10.73															
														6.10	29.83	-10.14	-29.04	0.36	16.59		
														5.05	16.62	-7.78	1.99	0.02	1.07		
														3.53	7.40	11.11					
														6.02	29.83	-10.13	-29.01	0.36	16.57		
														4.93	16.31	-7.76	2.00	0.02	1.08		
														3.53	7.40	11.11					
			6.37	0.00	0.00																
K714	90.0	51.0	1.36	15.20	0.12	8.33															
						10.83															
														6.12	29.83	-10.13	-29.01	0.36	16.57		
														5.05	16.66	-7.76	2.00	0.02	1.08		
														3.53	7.40	11.11					
														5.99	29.83	-10.14	-29.04	0.36	16.59		
														4.93	16.27	-7.78	1.99	0.02	1.07		
														3.53	7.40	11.11					
			6.48	0.00	0.00																
K713	90.0	51.0	1.36	15.12	0.12	8.29															
						10.73															
														6.17	29.83	-10.14	-29.07	0.36	16.61		
														5.08	16.77	-7.78	2.02	0.02	1.09		
														3.53	7.40	11.14					
														6.61	29.83	-10.30	-28.91	0.36	16.51		
														5.16	17.52	-7.95	1.38	0.02	0.75		
														3.35	7.40	10.66					
			8.31	0.00	0.00																
K714	90.0	51.0	1.36	17.08	0.13	9.37															
						12.18															
														5.59	29.83	-5.78	-20.63	0.25	11.56		
														4.61	15.21	-4.75	4.90	0.06	2.66		
														3.35	7.40	10.10			15.03		

0.00 KOTLU KAT KIRIŞLARI

BİLSAR A.Ş. MÜHENDİSLİK PROGRAMLARI (0212) 221 29 98 . HER HAKKI SAKLIDIR. SADECE TEM MÜHENDİSLİK LTD. TARAFINDAN KULLANILIR

S.S. KARAKÖY PERŞEMBE PAZARI TUCCARLARI TOPLU İŞYERİ YAPI KOOPERATİFİ 4 AKSI K501

ACIKLIK MOMENTLERİ			KESME KUVVETLERİ			MESNET MOMENTLERİ			KOLON MOMENTLERİ	
YER	MAX	MIN	IZOSTATİK	MAX MIN	HESAP	MIN	DUZ	SER	UST	ALT
									M=	8.053 -8.053
									MG=	2.960 -2.960
									HQ=	2.444 -2.444
			TA=	16.366 15.722	11.977	XA=	-16.107 -12.177	-19.456		
			TAG=	6.117 5.876	4.387	XAG=	-5.919 -4.450	-7.161		
			TAD=	4.876 4.685	3.647	XAD=	-4.887 -3.716	-5.895		
K501	3.238	11.755								
			XA=	-16.107						
			XB=	-20.454						
			TB=	-15.310 -15.954	-11.842	XB=	-20.454 -14.072	-19.456		
			TBG=	-5.804 -6.045	-4.336	XBG=	-7.548 -5.130	-7.161		
			TBD=	-4.490 -4.682	-3.607	XBD=	-6.179 -4.306	-5.895		
									M=	-10.227 10.227
									MG=	-3.774 3.774
									HQ=	-3.089 3.089

S.S. KARAKÖY PERŞEMBE PAZARI TUCCARLARI TOPLU İŞYERİ YAPI KOOPERATİFİ 4 AKSI K501

MALZEME ÖZELLİKLERİ

Beton Basıncı Dayanımı : 130.00 kg/cm²
 Beton Çekme Dayanımı : 10.00 kg/cm²
 Çelik Çekme Dayanımı : 3650.00 kg/cm²
 Etriye Çekme Dayanımı : 3650.00 kg/cm²

0. KAT 4 AKSINA BENZERDİR

ACIKLIK

MESNET

B	D	Rob	MinM	Rou	Asu	DUZ	PLIYE	MONTAJ	ETRIYE	Vg	Vcr	XG	Ma	Rou	Asu	Mevu	Eku
			MaxM	Roa	Asa					Vq	Vd	XQ	Ma	Roa	Asa	Meva	Eka
					Asm		1. PLIYE			Ve	Asw	XE			Asm		
			6.03	0.00	0.00					4.39	14.25	-5.32	-19.15	0.51	11.24		
										3.65	11.98	-4.89	3.02	0.07	1.64		
										2.78	3.53	8.35			0.00		
K501	43.0	51.0	1.36	11.75	0.30	6.65				4.34	14.25	-7.16	-21.69	0.59	12.91		
						7.80				3.61	11.84	-5.89	2.19	0.05	1.19		
										2.78	3.53	8.64					

9Ts0Ps16.66Hs10Vh3G18D

BİLSAR A.Ş. MÜHENDİSLİK PROGRAMLARI (0212) 221 29 98 . HER HAKKI SAKLIDIR. SADECE TEM MÜHENDİSLİK LTD. TARAFINDAN KULLANILIR

S.S. KARAKÖY PERŞEMBE PAZARI TUCARLARI TOPLU İŞYERİ YAPI KOOPERATİFİ 5 AKSI K502

ACIKLIK MOMENTLERİ			KESME KUVVETLERİ			MESNET MOMENTLERİ			KOLON MOMENTLERİ	
YER	MAX	MIN	IZOSTATİK	MIN	HESAP	MIN	DUZ	SER	UST	ALT
									M=	9.291 -9.291
									MG=	3.428 -3.428
									MQ=	2.807 -2.807
			TA=	21.801	20.309	15.063	XA=	-18.581	-13.504	-25.602
			TAG=	8.416	7.748	5.583	XAG=	-6.856	-4.919	-9.704
			TAG=	6.262	5.913	4.529	XAG=	-5.614	-4.136	-7.510
K502	3.148	15.987	XA=	-18.581						
			XB=	-28.650						
		8.011	TB=	-20.539	-22.238	-16.355	XB=	-29.670	-20.775	-25.602
			TBG=	-8.081	-8.749	-6.180	XBG=	-11.361	-7.861	-9.704
			TBQ=	-5.766	-6.244	-4.815	XBQ=	-8.603	-6.105	-7.510
									M=	-6.258 6.258
									MG=	-0.113 0.113
									MQ=	-3.812 3.812
			TA=	20.438	20.655	14.899	XA=	-27.075	-18.813	-23.613
			TAG=	8.898	8.898	6.107	XAG=	-11.135	-7.575	-9.930
			TAG=	4.987	5.123	3.968	XAG=	-7.179	-5.130	-6.069
K503	3.500	14.037	XA=	-26.042						
			XB=	-25.043						
		7.386	TB=	-20.438	-20.655	-14.900	XB=	-27.076	-18.814	-23.613
			TBG=	-8.898	-8.898	-6.107	XBG=	-11.135	-7.575	-9.930
			TBQ=	-4.988	-5.123	-3.968	XBQ=	-7.180	-5.130	-6.069
									M=	6.258 -6.258
									MG=	0.114 -0.114
									MQ=	3.814 -3.814
			TA=	20.556	22.257	16.353	XA=	-29.679	-20.776	-25.422
			TAG=	8.085	8.753	6.179	XAG=	-11.363	-7.862	-9.655
			TAG=	5.773	6.252	4.814	XAG=	-8.607	-6.106	-7.441
K502	3.602	15.987	XA=	-28.659						
			XB=	-18.578						
		8.011	TB=	-21.782	-20.289	-15.064	XB=	-18.578	-13.506	-25.422
			TBG=	-8.411	-7.743	-5.583	XBG=	-6.855	-4.919	-9.655
			TBQ=	-6.254	-5.905	-4.530	XBQ=	-5.613	-4.137	-7.441
									M=	-9.289 9.289
									MG=	-3.428 3.428
									MQ=	-2.806 2.806

S.S. KARAKÖY PERŞEMBE PAZARI TUCARLARI TOPLU İŞYERİ YAPI KOOPERATİFİ 5 AKSI K502

MALZEME ÖZELLİKLERİ

Beton Basınç Dayanımı : 130.00 kg/cm2
 Beton Çekme Dayanımı : 10.00 kg/cm2
 Çelik Çekme Dayanımı : 3650.00 kg/cm2
 Etriye Çekme Dayanımı : 3650.00 kg/cm2

8. KAT 5 AKSINA BENZERDİR

A C I K L I K

M E S N E T

B	D	Rob	MinM	Rou	Asu	Vg	Vcr	XG	Mu	Rou	Asu	Nevu	Eku
			MaxM	Roa	Asa	Vq	Vd	XQ	Ma	Roa	Asa	Neva	Eka
					Asm	Ve	Asw	XE			Asm		

1. PLIYE

5.50 20.00 5.00 20.00 0.75 15.17

8.01 0.00 0.00
K502 90.0 51.0 1.36 15.99 0.12 8.76
11.39

7.39 0.00 0.00
K503 90.0 51.0 1.36 14.04 0.17 7.76
10.08

8.01 0.00 0.00
K502 90.0 51.0 1.36 15.99 0.12 8.76
11.39

5.38 29.83 -6.86 -28.27 0.35 16.13
4.53 15.36 -5.61 9.65 0.12 5.28
5.25 7.40 15.82 0.00

6.18 29.83 -9.70 -33.43 0.42 19.30
4.81 16.35 -7.51 7.49 0.09 4.08
5.25 7.40 16.22

6.11 29.83 -9.93 -30.89 0.39 17.72
3.97 14.90 -6.07 5.95 0.07 3.23
4.71 7.40 14.89

6.11 29.83 -9.93 -30.34 0.38 17.38
3.97 14.90 -6.07 5.40 0.06 2.93
4.71 7.40 14.34

6.18 29.83 -9.65 -33.83 0.43 19.55
4.81 16.35 -7.44 8.05 0.10 4.39
5.33 7.40 16.74

5.58 29.83 -6.86 -28.27 0.35 16.12
4.53 15.44 -5.61 9.63 0.11 5.27
5.33 7.40 15.80

9Ts0Ps16.66Hs10Vk3G18D

BİLSAR A.Ş. MÜHENDİSLİK PROGRAMLARI (0212) 221 29 98 . HER HAKKI SAKLIDIR. SADECE TEM MÜHENDİSLİK LTD. TARAFINDAN KULLANILIR

S.S. KARAKÖY PERŞEMBE PAZARI TUCCARLARI TOPLU İŞYERİ YAPI KOOPERATİFİ 6 AKSI K504

ACIKLIK MOMENTLERI			KESME KUVVETLERI			MESNET MOMENTLERI			KOLON MOMENTLERI		
YER	MAX	MIN	IZOSTATIK	MAX MIN	HESAP	MIN	DUZ	SER	UST	ALT	
									M=	9.284	-9.284
									MG=	3.432	-3.432
									MQ=	2.800	-2.800
			TA=	21.759	20.283	15.045	XA=	-18.567	-13.496	-25.551	
			TAG=	8.403	7.747	5.583	XAG=	-6.863	-4.927	-9.688	
			TAQ=	6.247	5.898	4.518	XAQ=	-5.599	-4.125	-7.492	
K504	3.150	15.971	XB=	-28.533							
			TB=	-20.499	-22.220	-16.348	XB=	-29.737	-20.849	-25.551	
			TBG=	-8.068	-8.725	-6.159	XBG=	-11.293	-7.804	-9.688	
			TBQ=	-5.752	-6.254	-4.828	XBQ=	-8.704	-6.203	-7.492	
									M=	-6.540	6.540
									MG=	-0.352	0.352
									MQ=	-3.780	3.780
			TA=	21.293	21.539	15.645	XA=	-28.372	-19.756	-24.749	
			TAG=	8.376	8.376	5.805	XAG=	-10.589	-7.239	-9.420	
			TAQ=	5.979	6.133	4.699	XAQ=	-8.467	-6.014	-7.226	
K505	3.500	14.822	XB=	-27.194							
			TB=	-21.293	-21.540	-15.645	XB=	-28.373	-19.757	-24.749	
			TBG=	-8.376	-8.376	-5.805	XBG=	-10.589	-7.239	-9.420	
			TBQ=	-5.979	-6.133	-4.699	XBQ=	-8.467	-6.014	-7.226	
									M=	6.544	-6.544
									MG=	0.353	-0.353
									MQ=	3.781	-3.781
			TA=	20.518	22.241	16.346	XA=	-29.746	-20.850	-25.571	
			TAG=	8.073	8.730	5.159	XAG=	-11.296	-7.804	-9.639	
			TAQ=	5.760	6.262	4.827	XAQ=	-8.708	-6.203	-7.423	
K504	3.600	15.971	XB=	-28.542							
			TB=	-21.740	-20.262	-15.046	XB=	-18.564	-13.493	-25.371	
			TBG=	-8.398	-7.741	-5.584	XBQ=	-6.862	-4.927	-9.689	
			TBQ=	-6.239	-5.890	-4.518	XBQ=	-5.598	-4.125	-7.423	
									M=	-9.282	9.282
									MG=	-3.431	3.431
									MQ=	-2.799	2.799

S.S. KARAKÖY PERŞEMBE PAZARI TUCCARLARI TOPLU İŞYERİ YAPI KOOPERATİFİ 6 AKSI K504

MALZEME ÖZELLİKLERİ

Beton Basınç Dayanımı : 130.00 kg/cm²
 Beton Çekme Dayanımı : 10.00 kg/cm²
 Çelik Çekme Dayanımı : 3650.00 kg/cm²
 Etriye Çekme Dayanımı : 3650.00 kg/cm²

3. KAT 6 AKSINA BENZERDİR

A C I K L I K										M E S N E T									
R	D	Rob	MinM	Rou	Asu	DUZ	PLIYE	MONTAJ	ETRIYE	Vg	Vcr	XG	Mu	Rou	Asu	Mevu	Eku		
			MaxM	Roa	Asa					Vq	Vd	XQ	Ma	Roa	Asa	Meva	Eka		
					Asm		1. PLIYE			Ve	Asw	XE			Asm				

				7.97	0.00	0.00
K504	90.0	51.0	1.36	15.97	0.12	8.75
						11.38

				6.87	0.00	0.00
K505	90.0	51.0	1.36	14.82	0.12	8.12
						10.56

				7.97	0.00	0.00
K504	90.0	51.0	1.36	15.97	0.12	8.75
						11.38

0.38	15.05	-5.60	8.74	0.10	4.78
4.52	15.12	-5.60	8.74	0.10	4.78
5.02	7.40	14.91			0.00

6.16	29.83	-9.69	-32.86	0.41	18.95
4.83	16.35	-7.49	6.96	0.08	3.79
5.02	7.40	15.68			

5.81	29.83	-9.42	-31.73	0.40	18.24
4.70	15.64	-7.23	6.60	0.08	3.59
4.95	7.40	15.08			

5.81	29.83	-9.42	-32.24	0.40	18.56
4.70	15.65	-7.23	7.11	0.08	3.87
4.95	7.40	15.59			

6.16	29.83	-9.64	-32.28	0.40	18.58
4.83	16.35	-7.42	6.54	0.08	3.56
4.94	7.40	15.21			

5.58	29.83	-6.86	-27.39	0.34	15.59
4.52	15.05	-5.60	8.76	0.10	4.79
4.94	7.40	14.94			

9Ts0Ps16.66Hs10Vv3G18D

BİLSAR A.Ş. MÜHENDİSLİK PROGRAMLARI (0212) 221 29 98 . HER HAKKI SAKLIDIR. SADECE TEM MÜHENDİSLİK LTD. TARAFINDAN KULLANILIR

S.S. KARAKÖY PERŞEMBE PAZARI TUCARLARI TOPLU İŞYERİ YAPI KOOPERATİFİ N AKSİ K506

AÇIKLIK MOMENTLERİ			KESME KUVVETLERİ			MESNET MOMENTLERİ			KOLON MOMENTLERİ		
YER	MAX	MIN	IZOSTATİK	MAX MIN	HESAP	MIN	DUZ	SER	UST	ALT	
									M=	1.910	-1.910
									MG=	1.005	-1.005
									MQ=	0.314	-0.314
			TA=	4.461	4.142	2.860	XA=	-3.820	-2.784	-4.982	
			TAG=	2.431	2.232	1.515	XAG=	-2.010	-1.452	-2.688	
			TAQ=	0.662	0.635	0.462	XAQ=	-0.629	-0.470	-0.762	
K506	3.133	2.785	1.904								
		XA= -3.820									
		XB= -5.980									
			TB=	-4.349	-4.803	-3.241	XB=	-6.619	-4.698	-4.982	
			TBG=	-2.409	-2.608	-1.697	XBG=	-3.351	-2.308	-2.688	
			TBQ=	-0.610	-0.720	-0.541	XBQ=	-1.205	-0.917	-0.762	
									M=	7.854	-7.854
									MG=	2.213	-2.213
									MQ=	2.972	-2.972
			TA=	17.365	17.606	11.683	XA=	-21.118	-14.075	-18.791	
			TAG=	6.460	6.527	4.281	XAG=	-7.777	-5.166	-6.938	
			TAQ=	5.200	5.292	3.557	XAQ=	-6.393	-4.276	-5.674	
K507	3.480	11.377	5.741								
		XB= -19.466									
			TB=	-14.444	-14.241	-11.905	XB=	-19.567	-13.870	-18.791	
			TBG=	-5.593	-5.526	-4.344	XBG=	-7.307	-5.096	-6.938	
			TBQ=	-4.134	-4.065	-3.640	XBQ=	-5.836	-4.210	-5.674	
									M=	-7.436	7.436
									MG=	-2.112	2.112
									MQ=	-2.799	2.799
			TA=	4.510	4.626	3.065	XA=	-6.164	-4.333	-4.871	
			TAG=	2.498	2.492	1.582	XAG=	-3.083	-2.086	-2.635	
			TAQ=	0.633	0.710	0.532	XAQ=	-1.168	-0.883	-0.738	
K508	3.484	2.576	1.539								
		XA= -5.597									
		XB= -5.655									
			TB=	-4.510	-4.654	-3.094	XB=	-6.298	-4.436	-4.871	
			TBG=	-2.498	-2.504	-1.594	XBG=	-3.124	-2.123	-2.635	
			TBQ=	-0.633	-0.718	-0.539	XBQ=	-1.202	-0.915	-0.738	
									M=	8.122	-8.122
									MG=	2.316	-2.316
									MQ=	3.050	-3.050
			TA=	17.365	17.593	11.671	XA=	-21.078	-14.041	-18.791	
			TAG=	6.460	6.521	4.274	XAG=	-7.756	-5.147	-6.938	
			TAQ=	5.200	5.290	3.554	XAQ=	-6.387	-4.272	-5.674	
K507	3.477	11.376	5.741								
		XA= -20.979									
		XB= -19.525									
			TB=	-14.444	-14.253	-11.917	XB=	-19.606	-13.905	-18.791	
			TBG=	-5.593	-5.532	-4.350	XBG=	-7.329	-5.116	-6.938	
			TBQ=	-4.134	-4.068	-3.642	XBQ=	-5.841	-4.214	-5.674	
									M=	-7.146	7.146
									MG=	-2.003	2.003
									MQ=	-2.713	2.713
			TA=	4.348	4.781	3.221	XA=	-6.523	-4.611	-4.971	
			TAG=	2.409	2.602	1.691	XAG=	-3.323	-2.282	-2.686	
			TAQ=	0.610	0.712	0.533	XAQ=	-1.170	-0.885	-0.757	
K506	3.611	2.795	1.926								
		XA= -5.939									
		XB= -3.836									
			TB=	-4.459	-4.147	-2.868	XB=	-3.836	-2.799	-4.971	
			TBG=	-2.430	-2.237	-1.521	XBG=	-2.021	-1.462	-2.686	
			TBQ=	-0.660	-0.634	-0.462	XBQ=	-0.629	-0.470	-0.757	
									M=	-1.918	1.918
									MG=	-1.011	1.011
									MQ=	0.314	-0.314

S.S. KARAKÖY PERŞEMBE PAZARI TUCCARLARI TOPLU İŞYERİ YAPI KOOPERATİFİ N AKSİ K506

MALZEME ÖZELLİKLERİ

Beton Basınç Dayanımı : 130.00 kg/cm²
 Beton Çekme Dayanımı : 10.00 kg/cm²
 Çelik Çekme Dayanımı : 3650.00 kg/cm²
 Etriye Çekme Dayanımı : 3650.00 kg/cm²

B. KAT N AKSINA BENZERDİR

A C I K L I K

M E S N E T

B	D	Rob	MinM	Rou	Asu	DUZ	PLIYE	MONTAJ	ETRIYE	Vg	Vcr	XG	Mu	Rou	Asu	Mevu	Eku
			MaxM	Roa	Asa		1. PLIYE			Vq	Vd	XQ	Ma	Roa	Asa	Meva	Eka
					Asm					Ve	Asw	XE			Asm		
			1.90	0.00	0.00					1.51	14.25	-2.01	-10.53	0.27	5.92		
			2.79	0.07	1.51					0.46	4.57	-0.63	6.08	0.15	3.35		
					3.55					2.59	3.53	7.89			0.00		
K506	43.0	51.0	1.36														
										1.70	14.25	-2.69	-11.51	0.30	6.50		
										0.54	4.83	-0.92	5.48	0.14	3.01		
										2.59	3.53	7.90			7.24		
			5.74	0.00	0.00					4.28	14.25	-6.94	-20.58	0.56	12.17		
			11.38	0.29	6.42					3.56	11.68	-5.67	1.73	0.04	0.93		
					7.80					2.57	3.53	7.97					
K507	43.0	51.0	1.36														
										4.34	14.25	-6.94	-20.58	0.56	12.17		
										3.64	11.91	-5.67	1.73	0.04	0.93		
										2.57	3.53	7.97					
			1.54	0.00	0.00					1.58	14.25	-2.64	-11.49	0.30	6.49		
			2.58	0.06	1.40					0.53	4.68	-0.88	5.49	0.14	3.08		
					3.55					2.57	3.53	7.97			7.24		
K508	43.0	51.0	1.36														
										1.59	14.25	-2.64	-11.52	0.30	6.51		
										0.54	4.70	-0.92	5.60	0.14	3.08		
										2.57	3.53	7.97			7.24		
			5.74	0.00	0.00					4.27	14.25	-6.94	-20.58	0.56	12.17		
			11.38	0.29	6.42					3.55	11.67	-5.67	1.73	0.04	0.93		
					7.80					2.57	3.53	7.97					
K507	43.0	51.0	1.36														
										4.35	14.25	-6.94	-20.58	0.56	12.17		
										3.64	11.92	-5.67	1.73	0.04	0.93		
										2.57	3.53	7.97					
			1.93	0.00	0.00					1.69	14.25	-2.69	-11.47	0.30	6.48		
			2.79	0.07	1.52					0.53	4.81	-0.88	5.49	0.14	3.02		
					3.55					2.59	3.53	7.90			7.24		
K506	43.0	51.0	1.36														
										1.52	14.25	-2.02	-10.54	0.27	5.93		
										0.46	4.57	-0.63	6.07	0.15	3.35		
										2.59	3.53	7.89			7.24		

9Ts0Ps16.66Hs10Vv3G18D

BİLSAR A.Ş. MÜHENDİSLİK PROGRAMLARI (0212) 221 29 98 . HER HAKKI SAKLIDIR. SADECE TEM MÜHENDİSLİK LTD. TARAFINDAN KULLANILIR

S.S. KARAKÖY PERŞEMBE PAZARI TUCARLARI TOPLU İŞYERİ YAPI KOOPERATİFİ M AKSİ K509

ACIKLIK MOMENTLERİ			KESME KUVVETLERİ			MESNET MOMENTLERİ			KOLON MOMENTLERİ	
YER	MAX	MIN	IZOSTATİK	MAX MIN	HESAP	MIN	DUZ	SER	UST	ALT
									M=	2.686 -2.686
									MG=	1.422 -1.422
									MQ=	0.435 -0.435
K509	3.046	4.905	3.325	TA=	7.362	6.642	4.514	XA=	-5.372	-3.712 -8.204
				TAG=	4.074	3.623	2.414	XAG=	-2.844	-1.938 -4.496
				TAQ=	1.036	0.981	0.709	XAQ=	-0.869	-0.624 -1.193
				XA=	-5.372					
				XB=	-10.234					
				TB=	-7.203	-8.202	-5.584	XB=	-11.613	-8.333 -8.204
				TBG=	-4.053	-4.504	-2.955	XBG=	-5.888	-4.087 -4.496
				TBQ=	-0.956	-1.185	-0.904	XBQ=	-2.106	-1.632 -1.193
									M=	8.760 -8.760
									MG=	2.188 -2.188
K510	3.465	14.993	7.339	TA=	22.854	22.993	15.221	XA=	-27.274	-18.077 -24.783
				TAG=	8.822	8.791	5.685	XAG=	-10.265	-6.748 -9.431
				TAQ=	6.565	6.679	4.539	XAQ=	-8.065	-5.393 -7.237
				XA=	-27.086					
				XB=	-26.388					
				TB=	-19.811	-19.967	-15.931	XB=	-27.606	-19.819 -24.783
				TBG=	-7.955	-7.986	-5.945	XBG=	-10.483	-7.288 -9.431
				TBQ=	-5.421	-5.491	-4.756	XBQ=	-8.081	-5.885 -7.237
									M=	5.907 -5.907
									MG=	0.090 -0.090
K511	3.480	14.788	6.910	TA=	22.810	23.242	15.485	XA=	-28.663	-19.366 -24.734
				TAG=	8.908	8.861	5.760	XAG=	-10.562	-7.118 -9.415
				TAQ=	6.549	6.773	4.638	XAQ=	-8.585	-5.876 -7.220
				XA=	-27.570					
				XB=	-26.145					
				TB=	-19.776	-19.819	-15.787	XB=	-27.322	-19.394 -24.734
				TBG=	-7.944	-7.891	-5.851	XBG=	-10.291	-7.135 -9.415
				TBQ=	-5.409	-5.482	-4.748	XBQ=	-8.071	-5.878 -7.220
									M=	6.391 -6.391
									MG=	0.292 -0.292
K510	3.496	15.003	7.364	TA=	22.854	23.413	15.641	XA=	-28.981	-19.616 -24.783
				TAG=	8.822	8.968	5.862	XAG=	-10.876	-7.288 -9.431
				TAQ=	6.565	6.786	4.646	XAQ=	-8.597	-5.883 -7.237
				XA=	-27.851					
				XB=	-25.596					
				TB=	-19.811	-19.529	-15.493	XB=	-25.785	-17.973 -24.783
				TBG=	-7.955	-7.809	-5.767	XBG=	-9.851	-6.728 -9.431
				TBQ=	-5.421	-5.373	-4.637	XBQ=	-7.495	-5.346 -7.237
									M=	-8.092 8.092
									MG=	-2.003 2.003
K509	3.698	4.919	3.362	TA=	7.201	8.168	5.553	XA=	-11.457	-8.190 -8.188
				TAG=	4.052	4.495	2.946	XAG=	-5.845	-4.047 -4.494
				TAQ=	0.955	1.172	0.892	XAQ=	-2.046	-1.577 -1.185
				XA=	-10.177					
				XB=	-5.392					
				TB=	-7.358	-6.649	-4.526	XB=	-5.392	-3.730 -8.188
				TBG=	-4.074	-3.631	-2.423	XBG=	-2.859	-1.952 -4.494
				TBQ=	-1.034	-0.978	-0.709	XBQ=	-0.868	-0.623 -1.185
									M=	-2.696 2.696
									MG=	-1.430 1.430

Beton Basınç Dayanımı :	130.00 kg/cm2
Beton Çekme Dayanımı :	10.00 kg/cm2
Çelik Çekme Dayanımı :	3650.00 kg/cm2
Etriye Çekme Dayanımı :	3650.00 kg/cm2

A C I K L I K

B	D	Rob	MaxM	Roa	Asa	DUZ	PLIYE	MONTAJ	ETRIYE	Vq	Vd	XQ	Ma	Roa	Asa	Neva	Eka
					Asm		1. PLIYE			Ve	Asw	XE			Asm		

K509	90.0	51.0	1.36	4.90	0.03	2.65
						7.43

2.41	29.83	-2.84	-17.45	0.21	9.71
0.71	7.63	-0.87	11.17	0.13	6.14
4.51	7.40	13.73			0.00

2.95	29.83	-4.50	-19.92	0.24	11.15
0.90	8.37	-1.63	9.75	0.12	5.34
4.51	7.40	13.80			14.50

5.68	29.83	-9.43	-32.25	0.40	18.56
4.54	15.22	-7.24	7.09	0.08	3.86
5.00	7.40	15.58			

X510	90.0	51.0	1.38	14.99	0.12	8.22
						10.89

5.94	29.83	-9.43	-32.12	0.40	18.48
4.76	15.93	-7.24	6.96	0.08	3.79
5.00	7.40	15.45			

5.76	29.83	-9.42	-32.09	0.40	18.47
4.54	15.48	-7.22	6.98	0.08	3.80
4.99	7.40	15.45			

K511	90.0	51.0	1.36	14.79	0.12	8.11
						10.54

5.85	29.83	-9.42	-32.09	0.40	18.47
4.75	15.79	-7.22	6.98	0.08	3.80
4.99	7.40	15.45			

5.86	29.83	-9.43	-32.12	0.40	18.48
4.65	15.64	-7.24	6.96	0.08	3.79
5.00	7.40	15.45			

K510	90.0	51.0	1.36	15.00	0.12	8.23
						10.69

5.77	29.83	-9.43	-32.25	0.40	18.56
4.64	15.49	-7.24	7.09	0.08	3.86
5.00	7.40	15.58			

2.95	29.83	-4.49	-19.87	0.24	11.12
0.89	8.35	-1.58	9.75	0.12	5.34
4.51	7.40	13.80			14.45

K509	90.0	51.0	1.36	4.92	0.03	2.65
						7.43

2.42	29.83	-2.86	-17.46	0.21	9.72
0.71	7.64	-0.87	11.16	0.13	6.13
4.51	7.40	13.73			12.64

KOLON HESAPLARI

S.S. KARAKÖY PERŞEMBE PAZARI TUCARLARI TOPLU İŞYERİ YAPI KOOPERATİFİ 1.KAT KOLON BİLGİLERİ

KOLON	B	D	GDNK GDNK	GDMXU GDMXU	GDMXA GDMXA	GDMYU GDMYU	GDMYA GDMYA	YNX	YMXU	YMXA	YNY	YMYU	YMYA	G. Cap	G. Ara
4	N	0.55	0.55	130.58 67.88	-2.07 -1.16	-1.04 -0.58	4.92 2.85	2.46 1.42	39.39	0.07	10.83	-36.41	3.03	10.48	0 0
4	M	1.00	0.55	231.71 121.22	0.03 1.43	0.01 0.72	11.25 7.19	5.63 3.60	-24.66	11.58	54.02	-62.41	3.54	17.47	0 0
4	L	1.00	0.55	219.51 111.64	1.25 1.45	0.63 0.73	8.22 6.03	4.11 3.01	16.09	13.70	53.08	-65.45	17.31	18.12	0 0
4	K	0.55	0.55	120.35 65.77	1.28 0.48	0.64 0.24	3.12 2.78	1.56 1.39	-30.81	0.14	9.90	-31.26	2.16	10.66	0 0
5	N	0.55	1.00	246.61 137.51	-3.01 -2.14	-1.51 -1.07	-0.11 2.85	-0.06 1.42	90.40	25.53	3.96	-4.67	54.02	22.66	0 0
5	M	1.00	1.00	501.65 283.85	-2.90 -6.81	-1.45 -3.41	-5.34 -6.99	-2.67 -3.50	-15.88	14.49	96.43	-3.22	12.04	86.36	0 0
5	L	1.00	1.00	487.70 270.45	5.57 7.03	2.78 3.51	-3.72 -7.31	-1.86 -3.65	-11.82	23.81	92.37	6.67	21.82	84.31	0 0
5	K	0.55	1.00	230.13 134.51	2.30 1.44	1.15 0.72	-0.47 -4.12	-0.23 -2.06	-82.70	5.61	21.90	-1.66	3.02	57.96	0 0
6	N	0.55	1.00	247.82 147.14	-3.83 -3.11	-1.91 -1.55	-2.71 -3.20	-1.36 -1.60	65.08	17.68	8.10	10.75	53.75	22.10	0 0
6	M	1.00	1.00	496.98 304.16	-2.83 -8.35	-1.41 -4.18	-2.92 -5.23	-1.46 -2.61	-3.59	-0.33	98.26	7.19	-2.04	88.32	0 0
6	L	1.00	1.00	474.42 298.02	4.00 8.61	2.00 4.31	-2.96 -5.23	-1.48 -2.61	-2.96	13.68	92.13	-0.53	6.88	87.24	0 0
6	K	0.55	1.00	237.54 147.55	4.98 4.53	2.49 2.27	-3.47 -4.16	-1.73 -2.08	-58.53	5.53	20.94	1.96	-2.25	55.81	0 0
7	N	0.55	1.00	242.81 137.95	-3.83 -3.11	-1.91 -1.55	2.49 2.92	1.24 1.46	64.83	17.06	8.33	-10.75	53.67	22.13	0 0
7	M	1.00	1.00	483.52 296.78	-2.83 -8.35	-1.41 -4.18	2.66 4.86	1.33 2.43	-3.53	-2.04	98.36	-7.26	-3.31	88.39	0 0
7	L	1.00	1.00	473.33 296.72	4.00 8.61	2.00 4.31	2.69 4.86	1.35 2.43	-2.89	12.07	92.18	0.53	5.74	87.34	0 0
7	K	0.55	1.00	226.51 133.52	4.98 4.53	2.49 2.27	3.19 3.80	1.59 1.90	-58.41	5.70	20.92	-1.93	-2.09	55.78	0 0
8	N	0.55	1.00	269.21 158.93	-3.02 -2.15	-1.51 -1.07	-0.38 -3.13	-0.19 -1.56	88.39	23.75	5.40	4.67	53.29	22.84	0 0
8	M	1.00	1.00	480.19 282.30	-2.90 -6.82	-1.45 -3.41	4.20 6.35	2.10 3.17	-14.90	10.52	96.50	3.29	8.17	87.20	0 0

8	L	1.00	1.00	487.93 277.83	5.57 7.03	2.79 3.52	2.80 6.67	1.40 3.34	-11.24	19.16	92.75	-6.97	17.30	85.39	0	0
8	K	0.55	1.00	240.57 147.50	2.30 1.44	1.15 0.72	-0.22 -3.97	-0.11 -1.98	-62.25	5.96	21.48	0.28	-0.67	59.18	0	0
9	N	0.55	0.55	133.17 72.04	-1.64 -1.04	-0.82 -0.52	-4.95 -2.88	-2.48 -1.44	38.19	0.44	10.78	36.41	3.27	10.59	0	0
9	M	1.00	0.55	215.10 120.52	0.11 1.44	0.05 0.72	-11.33 -7.27	-5.67 -3.64	-24.22	7.86	54.17	62.41	3.54	17.47	0	0
9	L	1.00	0.55	219.89 121.44	1.19 1.42	0.59 0.71	-8.37 -6.22	-4.18 -3.11	16.87	8.73	53.79	65.75	11.95	21.52	0	0
9	K	0.55	0.55	116.94 66.91	0.75 0.35	0.38 0.17	-2.61 -2.37	-1.31 -1.18	-30.84	18.68	0.18	32.56	16.17	3.96	0	0

8	L	1.00	1.00	447.11	6.19	-2.79	4.86	-1.40	-6.52	24.02	58.84	-6.82	38.66	61.84	0	0
				253.94	2.18	-3.52	2.15	-3.34								
8	K	0.55	1.00	221.52	0.00	-1.15	0.00	0.11	-59.28	23.11	0.38	2.05	34.84	21.16	0	0
				135.89	0.00	-0.72	0.00	1.98								
9	N	0.55	0.55	121.04	-1.08	0.82	-3.36	2.48	34.52	8.08	9.54	32.86	6.81	6.56	0	0
				66.44	-0.69	0.52	-1.96	1.44								
9	M	1.00	0.55	188.24	0.44	-0.05	0.00	5.67	-24.24	16.24	34.72	56.56	12.47	12.05	0	0
				106.79	1.10	-0.72	0.00	3.64								
9	L	1.00	0.55	197.72	1.49	-0.59	-3.71	4.18	18.34	7.77	30.26	58.94	18.42	21.78	0	0
				109.22	1.11	-0.71	-1.87	3.11								
9	K	0.55	0.55	107.08	0.00	-0.75	0.00	2.61	-28.62	13.21	25.53	27.63	18.09	30.86	0	0
				60.87	0.00	-0.35	0.00	2.37								

9Ts0Ps16.66Hs10Vh3G18D

BİLSAR A.Ş. MÜHENDİSLİK PROGRAMLARI (0212) 221 29 98 . HER HAKKI SAKLIDIR. SADECE TEM MÜHENDİSLİK LTD. TARAFINDAN KULLANILIR

S.S. KARAKÖY PERŞEMBE PAZARI TUCARLARI TOPLU İŞYERİ YAPI KOOPERATİFİ 2.KAT KOLON BİLGİLERİ

KOLON		B	D	GDNK GDNK	GDMXU GDMXU	GDMXA GDMXA	GDMYU GDMYU	GDMYA GDMYA	YNX	YMXU	YMXA	YNY	YNYU	YNYA	G. Cap	G. Ara
4	N	0.55	0.55	118.39 62.58	-1.42 -0.80	1.04 0.58	0.00 0.00	-2.46 -1.42	35.31	8.93	10.45	-32.86	9.09	8.30	0	0
4	M	1.00	0.55	204.85 108.21	0.39 1.10	-0.01 -0.72	7.44 4.81	-5.63 -3.60	-24.70	19.54	39.02	-56.56	11.29	12.05	0	0
4	L	1.00	0.55	197.73 100.81	1.73 1.12	-0.63 -0.73	3.69 1.85	-4.11 -3.01	18.52	10.47	33.85	-58.64	21.48	29.11	0	0
4	K	0.55	0.55	110.98 60.78	0.00 0.00	-0.64 -0.24	0.00 0.00	-1.56 -1.39	-29.13	0.64	5.87	-28.02	3.81	8.93	0	0
5	N	0.55	1.00	225.25 126.68	-3.00 -2.17	3.01 2.14	0.00 0.00	0.11 -2.85	78.82	31.06	58.33	-3.82	29.21	77.20	0	0
5	M	1.00	1.00	457.06 259.30	-1.71 2.41	1.45 3.41	-2.61 -5.17	2.67 3.50	-12.44	51.76	77.54	-3.12	39.96	51.96	0	0
5	L	1.00	1.00	446.52 246.25	5.55 2.04	-2.78 -3.51	-5.11 -2.34	1.86 3.65	-6.64	28.37	63.85	6.52	42.33	66.26	0	0
5	K	0.55	1.00	211.00 122.81	0.00 0.00	-1.15 -0.72	0.00 0.00	0.23 2.06	-59.54	22.73	3.09	-1.65	35.15	20.12	0	0
6	N	0.55	1.00	227.03 134.94	0.00 0.00	3.83 3.11	0.00 0.00	2.71 3.20	55.69	4.33	47.96	2.09	11.17	70.40	0	0
6	M	1.00	1.00	455.64 279.22	0.00 0.00	1.41 4.18	-5.24 -3.35	1.46 2.61	-1.82	13.56	59.95	7.16	20.48	39.21	0	0
6	L	1.00	1.00	434.48 273.25	0.00 0.00	-2.00 -4.31	0.00 0.00	1.48 2.61	1.88	7.93	53.10	-0.53	25.21	55.45	0	0
6	K	0.55	1.00	218.66 135.33	0.00 0.00	-2.49 -2.27	0.00 0.00	1.73 2.08	-55.75	22.15	2.76	0.04	36.30	17.49	0	0
7	N	0.55	1.00	222.91 126.89	0.00 0.00	3.83 3.11	3.80 3.16	-2.49 -2.92	55.63	3.57	46.86	-8.08	2.59	70.15	0	0
7	M	1.00	1.00	443.05 273.09	0.00 0.00	1.41 4.18	0.00 0.00	-1.33 -2.43	-1.82	11.26	57.77	-7.22	22.78	38.15	0	0
7	L	1.00	1.00	434.27 273.23	0.00 0.00	-2.00 -4.31	0.00 0.00	-1.35 -2.43	1.87	6.74	51.30	0.54	24.72	54.82	0	0
7	K	0.55	1.00	208.50 122.46	0.00 0.00	-2.49 -2.27	0.00 0.00	-1.59 -1.90	-55.68	22.31	2.61	-0.04	36.33	17.43	0	0
8	N	0.55	1.00	247.20 147.14	-2.99 -2.17	3.02 2.15	-0.25 -3.16	0.38 3.13	77.58	28.48	55.37	3.82	14.35	75.26	0	0
8	M	1.00	1.00	435.46 257.00	-2.34 2.47	1.45 3.41	0.00 0.00	-2.10 -3.17	-11.78	47.41	72.30	3.19	37.49	44.51	0	0

68

9Ts0Ps16.66Hs10Vv3G18D

BİLSAR A.Ş. MÜHENDİSLİK PROGRAMLARI (0212) 221 29 98 . HER HAKKI SAKLIDIR. SADECE TEM MÜHENDİSLİK LTD. TARAFINDAN KULLANILIR

S.S. KARAKÖY PERŞEMBE PAZARI TUCCARLARI TOPLU İŞYERİ YAPI KOOPERATİFİ 3.KAT KOLON BİLGİLERİ

KOLON	B	D	GDNK GDNK	GDMXU GDMXU	GDMXA GDMXA	GDMYU GDMYU	GDMYA GDMYA	YNX	YNXU	YNXA	YNY	YNYU	YNYA	G. Cap	G. Ara
4	N	0.55 0.55	112.83 60.84	-2.37 -1.97	1.42 0.80	0.84 0.25	0.00 0.00	29.40	7.61	7.04	-27.57	5.25	7.21	0	0
4	M	1.00 0.55	178.48 95.18	2.34 2.68	-0.39 -1.10	2.81 2.23	-7.44 -4.81	-21.42	14.85	4.87	-49.61	7.92	8.81	0	0
4	L	1.00 0.55	182.34 95.25	-2.34 -2.68	-1.73 -1.12	2.81 2.23	-3.69 -1.85	21.15	12.29	2.90	-50.76	8.12	15.56	0	0
4	K	0.55 0.55	108.80 60.78	2.37 1.97	0.00 0.00	0.60 0.22	0.00 0.00	-29.13	5.07	0.64	-28.02	3.11	3.81	0	0
5	N	0.55 1.00	214.56 122.33	-4.46 -3.60	3.00 2.17	2.50 3.40	0.00 0.00	59.33	45.79	22.79	-1.09	53.12	27.08	0	0
5	M	1.00 1.00	409.20 240.43	0.16 3.28	1.71 -2.41	-0.46 -3.45	2.61 5.17	-3.91	43.91	31.56	-3.04	11.03	14.98	0	0
5	L	1.00 1.00	412.82 240.24	-0.16 -3.28	-5.55 -2.04	-0.46 -3.45	5.11 2.34	4.12	38.16	11.86	-1.36	7.96	13.52	0	0
5	X	0.55 1.00	207.04 122.83	4.46 3.60	0.00 0.00	2.37 3.30	0.00 0.00	-59.54	44.60	22.73	-1.65	68.94	35.15	0	0
6	N	0.55 1.00	223.07 134.94	-4.45 -3.59	0.00 0.00	-2.87 -3.79	0.00 0.00	55.69	38.10	5.08	0.07	53.08	18.27	0	0
6	M	1.00 1.00	427.32 273.13	0.16 3.27	0.00 0.00	-0.17 -3.33	6.24 3.35	-1.82	31.49	4.92	0.11	7.79	6.14	0	0
6	L	1.00 1.00	427.28 273.26	-0.16 -3.27	0.00 0.00	-0.17 -3.33	0.00 0.00	1.88	31.44	7.93	-0.53	1.82	25.21	0	0
6	K	0.55 1.00	214.70 135.33	4.45 3.59	0.00 0.00	-2.81 -3.70	0.00 0.00	-55.75	42.98	22.15	0.04	70.99	36.30	0	0
7	N	0.55 1.00	212.83 122.11	-4.45 -3.59	0.00 0.00	2.61 3.46	-3.80 -3.16	55.63	38.01	4.46	-0.07	53.08	10.85	0	0
7	M	1.00 1.00	427.10 273.09	0.16 3.27	0.00 0.00	-0.18 -3.33	0.00 0.00	-1.82	31.30	4.50	-0.11	7.85	4.79	0	0
7	L	1.00 1.00	427.07 273.23	-0.16 -3.27	0.00 0.00	-0.18 -3.33	0.00 0.00	1.87	31.47	6.74	0.54	1.91	24.72	0	0
7	K	0.55 1.00	204.54 122.46	4.45 3.59	0.00 0.00	2.56 3.40	0.00 0.00	-55.68	42.77	22.31	-0.04	70.98	36.33	0	0
8	N	0.55 1.00	225.01 135.30	-4.46 -3.60	2.99 2.17	-2.77 -3.73	0.25 3.16	59.09	45.50	24.03	1.09	52.90	19.71	0	0
8	M	1.00 1.00	409.64 248.26	0.17 3.29	2.34 -2.47	0.10 -3.24	0.00 0.00	-3.88	43.68	33.50	3.04	10.69	18.01	0	0

8	L	1.00	1.00	413.28 248.02	-0.17 -3.29	-6.19 -2.18	0.10 -3.24	-4.86 -2.15	4.07	37.87	13.63	1.36	7.69	13.38	0	0
8	K	0.55	1.00	217.56 135.89	4.46 3.60	0.00 0.00	-2.63 -3.62	0.00 0.00	-59.28	43.71	23.11	2.05	68.14	34.84	0	0
9	N	0.55	0.55	108.93 60.94	-1.96 -1.73	1.08 0.69	-0.83 -0.25	3.36 1.96	29.20	7.50	7.15	27.57	5.10	6.75	0	0
9	M	1.00	0.55	178.56 103.34	2.40 2.71	-0.44 -1.10	-2.88 -2.32	0.00 0.00	-21.28	14.86	7.07	49.61	7.92	9.65	0	0
9	L	1.00	0.55	182.41 103.40	-2.40 -2.71	-1.49 -1.11	-2.88 -2.32	3.71 1.87	20.70	12.02	0.31	50.76	8.19	13.17	0	0
9	K	0.55	0.55	104.90 60.87	1.96 1.73	0.00 0.00	-0.59 -0.22	0.00 0.00	-28.62	0.05	13.21	27.63	1.69	18.09	0	0

9Ts0Ps16.66Hs10Vv3G18D

BİLSAR A.Ş. MÜHENDİSLİK PROGRAMLARI (0212) 221 29 98 . HER HAKKI SAKLIDIR. SADECE TEM MÜHENDİSLİK LTD. TARAFINDAN KULLANILIR

S.S. KARAKÖY PERŞEMBE PAZARI TüCCARLARI TOPLU İŞYERİ YAPI KOOPERATİFİ 4.KAT KOLON BİLGİLERİ

KOLON	B	D	GDNK QDNK	GDMXU QDMXU	GDMXA QDMXA	GDMYU QDMYU	GDMYA QDMYA	YNX	YMXU	YMXA	YNY	YMYU	YMYA	G. Cap	G. Ara
4	N	0.50	0.50	102.10 55.28	-2.91 -2.42	3.23 2.69	1.03 0.31	-1.14 -0.34	24.55	6.53	5.69	-22.74	6.38	7.29	0 0
4	M	0.90	0.50	158.53 84.13	2.72 3.12	-3.10 -3.55	3.47 2.74	-3.80 -3.02	-18.51	13.53	5.39	-42.09	12.29	12.68	0 0
4	L	0.90	0.50	162.38 84.19	-2.73 -3.12	3.11 3.55	3.47 2.74	-3.80 -3.02	18.57	13.95	7.35	-42.99	13.29	13.57	0 0
4	K	0.50	0.50	98.44 55.23	2.91 2.42	-3.23 -2.69	0.74 0.28	-0.82 -0.30	-24.61	6.92	7.25	-22.92	7.24	9.59	0 0
5	N	0.50	0.90	194.01 111.23	-3.56 -2.85	3.01 2.43	2.06 2.79	-1.66 -2.25	46.12	8.31	6.27	-0.02	6.08	20.66	0 0
5	M	0.90	0.90	367.90 215.86	0.32 3.94	-0.21 -4.31	-0.51 -4.01	0.60 4.53	-0.70	32.48	21.10	-2.89	32.87	34.36	0 0
5	L	0.90	0.90	371.52 215.66	-0.32 -3.95	0.22 4.31	-0.51 -4.01	0.60 4.53	1.68	33.47	21.91	-1.55	34.95	37.55	0 0
5	K	0.50	0.90	187.18 111.69	3.55 2.85	-3.01 -2.43	1.94 2.69	-1.57 -2.19	-47.10	8.52	5.67	0.11	2.57	32.72	0 0
6	N	0.50	0.90	201.68 122.69	-3.55 -2.85	3.01 2.43	-2.37 -3.11	1.91 2.51	44.63	9.07	8.94	-0.00	6.92	13.33	0 0
6	M	0.90	0.90	386.37 248.73	0.31 3.93	-0.21 -4.30	-0.20 -3.89	0.22 4.37	0.20	32.39	27.29	0.06	33.23	37.14	0 0
6	L	0.90	0.90	386.34 248.85	-0.32 -3.94	0.21 4.30	-0.20 -3.89	0.22 4.37	-1.17	32.55	28.70	-0.57	35.61	41.73	0 0
6	K	0.50	0.90	194.07 123.08	3.55 2.85	-3.01 -2.43	-2.30 -3.03	1.86 2.46	-43.66	8.04	5.85	0.00	2.66	31.49	0 0
7	N	0.50	0.90	192.37 111.03	-3.55 -2.85	3.01 2.43	2.15 2.85	-1.73 -2.29	44.60	9.02	1.00	0.00	6.90	18.32	0 0
7	M	0.90	0.90	386.15 248.69	0.31 3.93	-0.21 -4.30	-0.21 -3.89	0.23 4.37	0.20	32.22	27.29	-0.06	33.18	37.08	0 0
7	L	0.90	0.90	386.11 248.82	-0.32 -3.94	0.21 4.30	-0.21 -3.89	0.23 4.37	-1.17	32.34	28.47	0.57	35.56	41.67	0 0
7	K	0.50	0.90	184.84 111.36	3.55 2.85	-3.01 -2.43	2.10 2.79	-1.70 -2.25	-43.63	8.02	5.80	0.00	2.59	31.48	0 0
8	N	0.50	0.90	203.51 123.02	-3.56 -2.86	3.02 2.44	-2.28 -3.06	1.83 2.47	46.03	8.19	6.41	0.02	5.98	20.86	0 0
8	M	0.90	0.90	368.39 223.67	0.33 3.95	-0.22 -4.31	0.09 -3.79	-0.13 4.25	-0.70	31.98	20.81	2.89	32.52	34.13	0 0

8	L	0.90	0.90	372.02	-0.33	0.22	0.09	-0.13	1.68	32.98	25.63	1.55	34.66	37.64	0	0
				223.43	-3.95	4.31	-3.79	4.25								
8	K	0.50	0.90	196.75	3.56	-3.02	-2.15	1.74	-47.01	8.52	4.82	-0.18	2.49	33.00	0	0
				123.59	2.86	-2.43	-2.94	2.40								
9	N	0.50	0.50	98.56	-2.44	2.67	-1.02	1.14	24.46	6.43	5.64	22.74	6.27	7.27	0	0
				55.37	-2.15	2.36	-0.31	0.34								
9	M	0.90	0.50	158.38	2.79	-3.18	-3.56	3.89	-18.45	13.12	5.11	42.09	12.29	12.68	0	0
				91.04	3.17	-3.60	-2.86	3.14								
9	L	0.90	0.50	162.23	-2.79	3.18	-3.56	3.89	18.57	13.53	6.57	42.99	12.74	12.98	0	0
				91.10	-3.17	3.60	-2.86	3.14								
9	K	0.50	0.50	94.90	2.44	-2.67	-0.73	0.81	-24.57	7.40	9.68	23.00	7.77	12.26	0	0
				55.31	2.15	-2.36	-0.28	0.30								

9Ts0Ps16.66Hs10Vv3G18D

BİLSAR A.Ş. MÜHENDİSLİK PROGRAMLARI (0212) 221 29 98 . HER HAKKI SAKLIDIR. SADECE TEM MÜHENDİSLİK LTD. TARAFINDAN KULLANILIR

S.S. KARAKÖY PERŞEMBE PAZARI TUCCARLARI TOPLU İŞYERİ YAPI KOOPERATİFİ 5.KAT KOLON BİLGİLERİ

KOLON	B	D	GDNK GDNK	GDMXU GDMXU	GDMXA GDMXA	GDMYU GDMYU	GDMYA GDMYA	YNX	YNXU	YNXA	YNY	YNYU	YNYA	G. Cap	G. Ara
4	N	0.50 0.50	91.76 49.75	-2.93 -2.42	2.91 2.42	1.03 0.31	-1.03 -0.31	20.33	5.47	4.51	-19.04	5.05	3.85	0	0
4	M	0.90 0.50	139.30 73.11	3.85 3.15	-2.72 -3.12	1.51 0.44	-3.47 -2.74	-15.99	7.87	3.34	-34.41	8.82	7.93	0	0
4	L	0.90 0.50	143.15 73.17	-3.85 -3.15	2.73 3.12	2.00 0.47	-3.47 -2.74	15.98	7.78	2.90	-35.01	9.00	7.93	0	0
4	K	0.50 0.50	88.46 49.70	2.93 2.42	-2.91 -2.42	0.74 0.28	-0.74 -0.28	-20.32	5.40	4.20	-19.09	5.04	3.30	0	0
5	N	0.50 0.90	174.17 100.14	-3.55 -2.85	3.56 2.85	2.06 2.79	-2.06 -2.79	38.46	11.51	12.62	-0.23	13.42	14.40	0	0
5	M	0.90 0.90	327.87 191.24	0.08 3.96	-0.32 -3.94	2.17 3.48	0.51 4.01	-1.45	24.53	14.55	-2.59	21.55	11.21	0	0
5	L	0.90 0.50	331.49 191.02	-0.06 -3.96	0.32 3.95	1.84 3.54	0.51 4.01	2.09	24.30	13.41	-1.52	21.66	9.77	0	0
5	K	0.50 0.90	168.03 100.57	3.55 2.85	-3.55 -2.85	1.94 2.69	-1.94 -2.69	-39.11	11.51	12.52	-0.25	14.31	16.37	0	0
6	N	0.50 0.90	181.01 110.46	-3.55 -2.85	3.55 2.85	-2.37 -3.11	2.37 3.11	36.93	10.77	11.28	0.02	13.36	13.60	0	0
6	M	0.90 0.90	346.67 224.26	0.31 3.93	-0.31 -3.93	-0.28 -3.89	0.20 3.89	-0.16	24.06	12.53	0.07	22.40	11.04	0	0
6	L	0.90 0.90	346.63 224.37	-0.32 -3.94	0.32 3.94	-0.27 -3.89	0.20 3.89	-0.45	24.00	12.05	-0.39	22.46	9.37	0	0
6	K	0.50 0.90	174.15 110.82	3.55 2.85	-3.55 -2.85	-2.30 -3.03	2.30 3.03	-36.33	10.97	12.02	0.02	14.32	15.76	0	0
7	N	0.50 0.90	172.64 99.96	-3.55 -2.85	3.55 2.85	2.15 2.85	-2.15 -2.85	36.92	10.76	11.28	-0.02	13.36	13.60	0	0
7	M	0.90 0.90	346.44 224.23	0.31 3.93	-0.31 -3.93	-0.13 -3.80	0.21 3.89	-0.16	24.02	12.59	-0.07	22.39	11.06	0	0
7	L	0.90 0.90	346.40 224.34	-0.32 -3.94	0.32 3.94	-0.14 -3.80	0.21 3.89	-0.45	23.97	12.18	0.39	22.46	9.41	0	0
7	K	0.50 0.90	165.86 100.28	3.55 2.85	-3.55 -2.85	2.10 2.79	-2.10 -2.79	-36.32	10.95	12.01	-0.02	14.32	15.75	0	0
8	N	0.50 0.90	182.73	-3.56	3.56	-2.28	2.28	38.43	11.51	12.66	0.23	13.40	14.39	0	0

				110.76	-2.86	2.86	-3.06	3.06								
8	M	0.90	0.90	328.41	0.33	-0.33	-2.37	-0.09	-1.44	24.42	14.80	2.59	21.49	11.41	0	0
				199.03	3.94	-3.95	-3.76	3.79								
8	L	0.90	0.90	332.03	-0.33	0.33	-2.05	-0.09	2.09	24.20	13.67	1.52	21.60	10.01	0	0
				198.78	-3.94	3.95	-3.82	3.79								
8	K	0.50	0.90	176.66	3.56	-3.56	-2.15	2.15	-39.08	11.42	12.43	0.27	14.30	16.50	0	0
				111.29	2.86	-2.86	-2.94	2.94								
9	N	0.50	0.50	88.56	-2.44	2.44	-1.02	1.02	20.30	5.44	4.52	19.04	5.02	3.86	0	0
				49.82	-2.13	2.15	-0.31	0.31								
9	M	0.90	0.50	138.91	3.70	-2.79	-1.51	3.56	-15.97	7.80	3.62	34.41	8.82	7.93	0	0
				78.74	3.21	-3.17	-0.44	2.86								
9	L	0.90	0.50	142.76	-3.70	2.79	-1.99	3.56	15.95	7.73	3.38	35.01	8.98	8.03	0	0
				78.80	-3.21	3.17	-0.47	2.86								
9	K	0.50	0.50	85.27	2.44	-2.44	-0.73	0.73	-20.28	5.25	3.71	19.07	4.89	2.82	0	0
				49.77	2.13	-2.15	-0.28	0.28								

9Ts0Ps16.66Hs10Vx3G18D

BİLSAR A.Ş. MÜHENDİSLİK PROGRAMLARI (0212) 221 29 98 . HER HAKKI SAKLIDIR. SADECE TEM MÜHENDİSLİK LTD. TARAFINDAN KULLANILIR

S.S. KARAKÖY PERŞEMBE PAZARI TüCCARLARI TOPLU İŞYERİ YAPI KOOPERATİFİ 6.KAT KOLON BİLGİLERİ

KOLON	B	D	GDNK GDNK	GDMXU GDMXU	GDMXA GDMXA	GDMYU GDMYU	GDMYA GDMYA	YNX	YMXU	YMXA	YNY	YNYU	YMYA	G. Cap	G. Ara
4	N	0.50	0.50	81.41 44.21	-2.92 -2.43	2.93 2.42	1.02 0.31	-1.03 -0.31	16.58	4.74	4.32	-15.59	4.59	4.35	0 0
4	M	0.90	0.50	125.91 67.37	3.17 3.63	-3.85 -3.15	3.61 2.87	-1.51 -0.44	-12.24	8.08	2.61	-28.32	8.68	7.45	0 0
4	L	0.90	0.50	129.00 67.42	-3.17 -3.63	3.85 3.15	3.61 2.87	-2.00 -0.47	12.25	8.10	2.71	-28.81	8.88	7.47	0 0
4	K	0.50	0.50	78.48 44.17	2.92 2.43	-2.93 -2.42	0.73 0.28	-0.74 -0.28	-16.58	4.76	4.38	-15.61	4.65	4.46	0 0
5	N	0.50	0.90	154.34 89.05	-3.70 -2.99	3.55 2.86	2.39 3.24	-2.06 -2.79	31.00	9.44	8.03	-0.11	10.70	6.20	0 0
5	M	0.90	0.90	292.05 173.40	0.42 4.79	-0.06 -3.96	-0.64 -4.86	-2.17 -3.48	-0.63	23.70	15.87	-1.82	21.99	16.10	0 0
5	L	0.90	0.90	294.94 173.22	-0.42 -4.79	0.06 3.96	-0.64 -4.86	-1.84 -3.54	1.15	23.74	16.14	-0.92	22.14	16.24	0 0
5	K	0.50	0.90	148.89 89.45	3.70 2.99	-3.55 -2.85	2.24 3.11	-1.94 -2.69	-31.56	9.48	8.06	-0.11	10.74	5.47	0 0
6	N	0.50	0.90	160.34 98.23	-3.70 -2.99	3.55 2.85	-2.75 -3.63	2.37 3.11	29.84	9.05	7.78	0.01	10.75	6.49	0 0
6	M	0.90	0.90	306.90 199.80	0.41 4.77	-0.31 -3.93	-0.24 -4.72	0.23 3.89	-0.05	22.81	16.46	0.05	22.32	17.30	0 0
6	L	0.90	0.90	306.86 199.90	-0.41 -4.78	0.32 3.94	-0.24 -4.72	0.27 3.89	-0.48	22.83	16.60	-0.35	22.49	17.48	0 0
6	K	0.50	0.90	154.24 98.57	3.70 2.99	-3.55 -2.85	-2.67 -3.52	2.30 3.03	-29.32	9.02	7.63	0.01	10.78	5.74	0 0
7	N	0.50	0.90	152.91 88.89	-3.70 -2.99	3.55 2.85	2.51 3.32	-2.15 -2.85	29.84	9.05	7.77	-0.01	10.75	6.49	0 0
7	M	0.90	0.90	306.73 199.77	0.41 4.77	-0.31 -3.93	-0.25 -4.72	0.13 3.80	-0.05	22.80	16.47	-0.05	22.32	17.29	0 0
7	L	0.90	0.90	306.69 199.87	-0.41 -4.78	0.32 3.94	-0.25 -4.72	0.14 3.80	-0.48	22.81	16.60	0.35	22.49	17.48	0 0
7	K	0.50	0.90	146.88 89.19	3.70 2.99	-3.55 -2.85	2.44 3.24	-2.10 -2.79	-29.31	9.02	7.63	-0.00	10.78	5.74	0 0
8	N	0.50	0.90	161.95 98.50	-3.71 -3.00	3.56 2.86	-2.64 -3.55	2.28 3.06	30.99	9.46	8.04	0.11	10.69	6.20	0 0
8	M	0.90	0.90	292.03 173.40	0.42 4.79	-0.06 -3.96	-0.64 -4.86	-2.17 -3.48	-0.63	23.70	15.87	-1.82	21.99	16.10	0 0

		0.90	0.90	292.72	4.79	-3.94	-4.57	3.76								
8	L	0.90	0.90	295.12	-0.43	0.33	0.14	2.05	1.19	23.70	16.16	0.92	22.11	16.24	0	0
				178.68	-4.79	3.94	-4.57	3.82								
8	K	0.50	0.90	156.56	3.71	-3.56	-2.48	2.15	-31.55	9.44	8.06	0.10	10.73	5.43	0	0
				98.99	3.00	-2.86	-3.40	2.94								
9	M	0.50	0.50	78.57	-2.45	2.44	-1.01	1.02	16.57	4.73	4.32	15.59	4.58	4.35	0	0
				44.28	-2.16	2.13	-0.31	0.31								
9	M	0.90	0.50	125.77	3.23	-3.70	-3.70	1.51	-12.24	8.05	2.63	28.32	8.68	7.45	0	0
				72.89	3.67	-3.21	-3.00	0.44								
9	L	0.90	0.50	128.85	-3.24	3.70	-3.70	1.99	12.24	8.06	2.66	28.81	8.84	7.47	0	0
				72.94	-3.67	3.21	-3.00	0.47								
9	K	0.50	0.50	75.64	2.45	-2.44	-0.72	0.73	-16.57	4.77	4.48	15.61	4.66	4.57	0	0
				44.23	2.16	-2.13	-0.28	0.28								

9Ts0Ps16.66Hs10Vh3618D

BİLSAR A.Ş. MÜHENDİSLİK PROGRAMLARI (0212) 221 29 98 . HER HAKKI SAKLIDIR. SADECE TEM MÜHENDİSLİK LTD. TARAFINDAN KULLANILIR

S.S. KARAKÖY PERŞEMBE PAZARI TUCARLARI TOPLU İŞYERİ YAPI KOOPERATİFİ 7.KAT KOLON BİLGİLERİ

KOLON	B	D	GDNK GDNK	GDYU GDYU	GDMA GDMA	GDYU GDYU	GDMA GDMA	YNY	YMU	YMA	YNY	YMU	YMA	G. Cap	G. Ara
4	N	0.50	0.50	71.06 38.67	-2.93 -2.44	2.92 2.43	1.01 0.31	-1.02 -0.31	13.20	4.59	4.13	-12.41	4.52	4.08	0 0
4	M	0.80	0.50	106.70 56.36	2.66 3.05	-2.23 -2.55	3.36 2.69	-3.21 -2.55	-10.22	8.22	5.41	-22.21	8.27	7.60	0 0
4	L	0.80	0.50	109.78 56.40	-2.67 -3.05	2.23 2.55	3.36 2.69	-3.21 -2.55	10.22	8.21	5.39	-22.58	8.41	7.65	0 0
4	K	0.50	0.50	68.50 38.63	2.93 2.44	-2.92 -2.43	0.72 0.28	-0.73 -0.28	-13.20	4.59	4.12	-12.42	4.53	4.05	0 0
5	N	0.50	0.80	134.50 77.96	-3.44 -2.81	3.29 2.66	2.00 2.71	-1.68 -2.27	24.44	8.64	7.94	-0.11	10.06	7.66	0 0
5	M	0.80	0.80	251.98 148.70	0.36 3.79	-0.26 -2.99	-0.52 -3.85	0.40 3.04	-0.73	19.56	14.39	-1.63	18.56	13.91	0 0
5	L	0.80	0.80	254.87 148.51	-0.36 -3.79	0.26 2.99	-0.52 -3.85	0.40 3.04	1.16	19.55	14.34	-0.93	18.58	13.84	0 0
5	K	0.50	0.80	129.73 78.32	3.44 2.81	-3.29 -2.66	1.87 2.58	-1.57 -2.18	-24.87	8.67	7.95	-0.11	10.12	7.73	0 0
6	N	0.50	0.80	139.67 85.99	-3.43 -2.80	3.29 2.66	-2.32 -3.05	1.93 2.55	23.50	8.27	7.58	0.01	10.03	7.60	0 0
6	M	0.80	0.80	267.18 175.25	0.35 3.78	-0.26 -2.98	-0.18 -3.74	0.15 2.94	-0.03	18.46	13.48	0.05	18.42	13.81	0 0
6	L	0.80	0.80	267.13 175.34	-0.35 -3.78	0.26 2.98	-0.18 -3.74	0.15 2.94	-0.38	18.46	13.45	-0.24	18.44	13.73	0 0
6	K	0.50	0.80	134.33 86.30	3.43 2.80	-3.29 -2.65	-2.23 -2.94	1.87 2.47	-23.09	8.28	7.60	0.01	10.09	7.66	0 0
7	N	0.50	0.80	133.17 77.81	-3.43 -2.80	3.29 2.66	2.11 2.80	-1.76 -2.33	23.50	8.27	7.58	-0.01	10.03	7.60	0 0
7	M	0.80	0.80	267.01 175.22	0.35 3.78	-0.26 -2.98	-0.19 -3.74	0.15 2.94	-0.03	18.46	13.49	-0.05	18.42	13.81	0 0
7	L	0.80	0.80	266.96 175.32	-0.35 -3.78	0.26 2.98	-0.19 -3.74	0.15 2.94	-0.38	18.45	13.46	0.24	18.44	13.73	0 0
7	K	0.50	0.80	127.89 78.09	3.43 2.80	-3.29 -2.65	2.04 2.71	-1.71 -2.27	-23.09	8.28	7.60	-0.01	10.09	7.66	0 0
8	N	0.50	0.80	141.16 86.24	-3.44 -2.81	3.30 2.66	-2.21 -2.97	1.86 2.49	24.43	8.67	7.95	0.11	10.06	7.66	0 0
8	M	0.80	0.80	252.20 148.70	0.36 3.79	-0.26 -2.99	-0.52 -3.85	0.40 3.04	-0.73	19.56	14.39	-1.63	18.56	13.91	0 0

				154.18	3.79	-2.99	3.60	2.85								
8	L	0.80	0.80	255.09	-0.37	0.27	0.14	-0.09	1.16	19.54	14.36	0.93	18.57	13.85	0	0
				153.95	-3.79	2.99	3.60	2.85								
8	K	0.50	0.80	136.46	3.44	-3.29	-2.06	1.74	-24.87	8.64	7.93	0.11	10.12	7.75	0	0
				86.68	2.81	-2.66	-2.82	2.39								
9	N	0.50	0.50	68.58	-2.47	2.45	-1.00	1.01	13.20	4.59	4.13	12.41	4.52	4.08	0	0
				38.73	-2.18	2.16	-0.31	0.31								
9	M	0.80	0.50	106.31	2.70	-2.27	-3.44	3.29	-10.22	8.21	5.43	22.21	8.27	7.60	0	0
				60.60	3.06	-2.58	-2.81	2.67								
9	L	0.80	0.50	109.39	-2.70	2.27	-3.44	3.29	10.22	8.21	5.43	22.58	8.41	7.67	0	0
				60.64	-3.06	2.58	-2.81	2.67								
9	K	0.50	0.50	66.01	2.47	-2.45	-0.71	0.72	-13.19	4.58	4.10	12.42	4.52	4.03	0	0
				38.69	2.18	-2.16	-0.28	0.28								

9Ts0Ps16.66Hs10Vh3G18D

BİLSAR A.Ş. MÜHENDİSLİK PROGRAMLARI (0212) 221 29 98 . HER HAKKI SAKLIDIR. SADECE TEM MÜHENDİSLİK LTD. TARAFINDAN KULLANILIR

S.5. KARAKÖY PERŞEMBE PAZARI TUCARLARI TOPLU İŞYERİ YAPI KOOPERATİFİ 8.KAT KOLON BİLGİLERİ

KOLON	B	D			GDNK	GDYU	GDYA	GDYU	GDYA	YNY	YNU	YNA	YNY	YNU	YNA	G. Cap	G. Ara
4	N	0.50	0.50		60.72 33.14	-2.96 -2.44	2.93 2.44	1.01 0.31	-1.01 -0.31	10.12	4.13	3.50	-9.50	4.02	3.44	0	0
4	M	0.80	0.50		87.86 45.35	3.77 3.09	-2.66 -3.05	1.43 0.43	-3.36 -2.69	-8.36	5.71	3.87	-16.74	6.72	6.36	0	0
4	L	0.80	0.50		90.93 45.39	-3.78 -3.09	2.67 3.05	1.92 0.47	-3.36 -2.69	8.36	5.71	3.87	-17.02	6.81	6.41	0	0
4	K	0.50	0.50		58.52 33.10	2.96 2.44	-2.93 -2.44	0.72 0.28	-0.72 -0.28	-10.12	4.13	3.50	-9.50	4.02	3.44	0	0
5	N	0.50	0.80		115.01 66.85	-3.44 -2.81	3.44 2.81	2.00 2.71	-2.00 -2.71	18.59	7.72	6.88	-0.13	9.16	6.47	0	0
5	M	0.80	0.80		213.08 123.89	0.31 3.81	-0.36 -3.79	2.00 3.31	0.52 3.85	-0.72	17.18	13.88	-1.54	16.35	13.23	0	0
5	L	0.80	0.80		215.97 123.69	-0.31 -3.81	0.36 3.79	1.71 3.39	0.52 3.85	1.07	17.18	13.88	-1.01	16.36	13.24	0	0
5	K	0.50	0.80		110.93 67.17	3.44 2.81	-3.44 -2.81	1.87 2.58	-1.87 -2.58	-18.94	7.74	6.89	-0.13	9.17	6.43	0	0
6	N	0.50	0.80		119.36 73.74	-3.43 -2.80	3.43 2.80	-2.32 -3.05	2.32 3.05	17.88	7.36	6.57	0.01	9.14	6.46	0	0
6	M	0.80	0.80		228.67 150.59	0.35 3.78	-0.35 -3.78	-0.29 -3.74	0.18 3.74	0.06	17.06	13.42	0.05	16.98	13.45	0	0
6	L	0.80	0.80		228.62 150.67	-0.35 -3.78	0.35 3.78	-0.28 -3.74	0.18 3.74	-0.39	17.06	13.43	-0.16	16.99	13.45	0	0
6	K	0.50	0.80		114.78 74.02	3.43 2.80	-3.43 -2.80	-2.23 -2.94	2.23 2.94	-17.55	7.36	6.56	0.01	9.15	6.43	0	0
7	N	0.50	0.80		113.80 66.72	-3.43 -2.80	3.43 2.80	2.11 2.80	-2.11 -2.80	17.88	7.36	6.57	-0.01	9.14	6.46	0	0
7	M	0.80	0.80		228.48 150.56	0.35 3.78	-0.35 -3.78	-0.09 -3.61	0.19 3.74	0.06	17.06	13.42	-0.05	16.98	13.45	0	0
7	L	0.80	0.80		228.43 150.65	-0.35 -3.78	0.35 3.78	-0.10 -3.61	0.19 3.74	-0.39	17.06	13.43	0.16	16.99	13.45	0	0
7	K	0.50	0.80		109.27 66.97	3.43 2.80	-3.43 -2.80	2.04 2.71	-2.04 -2.71	-17.55	7.35	6.56	-0.01	9.15	6.43	0	0
8	N	0.50	0.80		120.73 73.95	-3.45 -2.81	3.44 2.81	-2.21 -2.97	2.21 2.97	18.59	7.74	6.89	0.13	9.16	6.47	0	0
8	M	0.80	0.80		213.34 123.89	0.31 3.81	-0.36 -3.79	2.00 3.31	0.52 3.85	-0.72	17.18	13.88	-1.54	16.35	13.23	0	0

79

				129.35	3.77	-3.79	-3.56	-3.60								
8	L	0.80	0.80	216.22	-0.71	0.37	-1.90	-0.14	1.07	17.18	13.89	1.01	16.36	13.24	0	0
				129.12	-3.77	3.79	-3.65	-3.60								
8	K	0.50	0.80	116.70	3.45	-3.44	-2.06	2.06	-18.94	7.72	6.88	0.13	9.17	6.43	0	0
				74.35	2.81	-2.81	-2.82	2.82								
9	N	0.50	0.50	58.59	-2.48	2.47	-1.00	1.00	10.12	4.13	3.50	9.50	4.01	3.44	0	0
				33.19	-2.17	2.18	-0.31	0.31								
9	M	0.80	0.50	87.23	3.59	-2.70	-1.42	3.44	-8.36	5.70	3.87	16.74	6.72	6.36	0	0
				48.32	3.12	-3.06	-0.43	2.81								
9	L	0.80	0.50	90.31	-3.59	2.70	-1.91	3.44	8.36	5.70	3.87	17.02	6.81	6.41	0	0
				48.36	-3.12	3.06	-0.47	2.81								
9	K	0.50	0.50	56.39	2.48	-2.47	-0.71	0.71	-10.12	4.13	3.50	9.50	4.02	3.45	0	0
				33.16	2.17	-2.18	-0.28	0.28								

9Ts0Ps16.66Hs10Vh3618D

BİLSAR A.Ş. MÜHENDİSLİK PROGRAMLARI (0212) 221 29 98 . HER HAKKI SAKLIDIR. SADECE TEM MÜHENDİSLİK LTD. TARAFINDAN KULLANILIR

S.S. KARAKÖY PERŞEMBE PAZARI TüCCARLARI TOPLU İŞYERİ YAPI KOOPERATİFİ 9.KAT KOLON BİLGİLERİ

KOLON	B	D	GDMK GDMK	GDMXU GDMXU	GDMXA GDMXA	GDMYU GDMYU	GDMYA GDMYA	YNX	YMXU	YNXA	YNY	YMYU	YMYA	G. Cap	G. Ara
4	N	0.50 0.50	50.37 27.60	-3.40 -2.84	2.96 2.44	1.15 0.37	-1.01 -0.31	7.34	3.76	3.14	-6.91	3.71	3.07	0	0
4	M	0.80 0.50	74.86 39.63	3.34 3.80	-3.77 -3.09	3.84 3.12	-1.43 -0.43	-5.58	5.65	1.95	-12.23	6.66	5.32	0	0
4	L	0.80 0.50	77.17 39.66	-3.34 -3.80	3.78 3.09	3.84 3.12	-1.92 -0.47	5.58	5.65	1.95	-12.46	6.76	5.33	0	0
4	K	0.50 0.50	48.54 27.57	3.40 2.84	-2.96 -2.44	0.80 0.32	-0.72 -0.28	-7.34	3.76	3.14	-6.91	3.71	3.07	0	0
5	N	0.50 0.80	95.52 55.74	-3.93 -3.24	3.44 2.81	2.42 3.32	-2.00 -2.71	13.34	7.17	6.16	-0.14	8.00	5.57	0	0
5	M	0.80 0.80	178.78 105.93	0.56 4.71	-0.31 -3.81	-0.74 -4.77	-2.00 -3.31	-0.18	15.92	11.14	-1.05	15.15	10.84	0	0
5	L	0.80 0.80	180.95 105.77	-0.56 -4.71	0.31 3.81	-0.74 -4.77	-1.71 -3.39	0.45	15.92	11.14	-0.61	15.15	10.84	0	0
5	K	0.50 0.80	92.12 56.02	3.93 3.24	-3.44 -2.81	2.23 3.12	-1.87 -2.58	-13.61	7.19	6.17	-0.14	8.00	5.58	0	0
6	N	0.50 0.80	99.05 61.48	-3.93 -3.24	3.43 2.80	-2.84 -3.74	2.32 3.05	12.86	6.85	5.85	0.01	8.00	5.55	0	0
6	M	0.80 0.80	190.04 125.93	0.55 4.70	-0.35 -3.78	-0.20 -4.59	0.29 3.74	0.13	15.29	11.27	0.04	15.35	11.51	0	0
6	L	0.80 0.80	190.00 126.01	-0.55 -4.70	0.35 3.78	-0.20 -4.59	0.28 3.74	-0.38	15.29	11.27	-0.15	15.36	11.51	0	0
6	K	0.50 0.80	95.23 61.73	3.93 3.24	-3.43 -2.80	-2.71 -3.57	2.23 2.94	-12.60	6.85	5.86	0.01	8.00	5.56	0	0
7	N	0.50 0.80	94.42 55.63	-3.93 -3.24	3.43 2.80	2.59 3.44	-2.11 -2.80	12.86	6.85	5.85	-0.01	8.00	5.55	0	0
7	M	0.80 0.80	189.92 125.91	0.55 4.70	-0.35 -3.78	-0.24 -4.60	0.09 3.61	0.13	15.29	11.27	-0.04	15.35	11.51	0	0
7	L	0.80 0.80	189.88 125.99	-0.55 -4.70	0.35 3.78	-0.24 -4.60	0.10 3.61	-0.38	15.29	11.27	0.15	15.36	11.51	0	0
7	K	0.50 0.80	90.65 55.85	3.93 3.24	-3.43 -2.80	2.49 3.30	-2.04 -2.71	-12.60	6.85	5.86	-0.01	8.00	5.56	0	0
8	N	0.50 0.80	100.29 61.67	-3.94 -3.25	3.45 2.81	-2.68 -3.63	2.21 2.97	13.34	7.19	6.17	0.14	8.00	5.57	0	0
8	M	0.80 0.80	178.96	0.56	-0.71	0.28	2.19	-0.18	15.92	11.14	1.05	15.15	10.84	0	0

				110.08	4.72	-3.77	4.48	3.56								
8	L	0.80	0.80	181.13	-0.56	0.71	0.28	1.90	0.45	15.92	11.14	0.61	15.15	10.84	0	0
				109.88	-4.72	3.77	4.48	3.65								
8	K	0.50	0.80	96.95	3.94	-3.45	-2.47	2.06	-13.61	7.17	6.16	0.14	8.00	5.58	0	0
				62.02	3.25	-2.81	-3.41	2.82								
9	N	0.50	0.50	48.59	-2.82	2.48	-1.14	1.00	7.34	3.76	3.14	6.91	3.71	3.07	0	0
				27.64	-2.50	2.17	-0.37	0.31								
9	N	0.80	0.50	74.50	3.36	-3.59	-3.93	1.42	-5.58	5.65	1.95	12.23	6.66	5.32	0	0
				42.51	3.79	-3.12	-3.25	0.43								
9	L	0.80	0.50	76.81	-3.36	3.59	-3.93	1.91	5.58	5.65	1.95	12.46	6.76	5.33	0	0
				42.54	-3.79	3.12	-3.25	0.47								
9	K	0.50	0.50	46.76	2.82	-2.48	-0.79	0.71	-7.34	3.76	3.14	6.91	3.71	3.07	0	0
				27.62	2.50	-2.17	-0.32	0.28								

9T50P516.66H510V3618D

BİLSAR A.Ş. MÜHENDİSLİK PROGRAMLARI (0212) 221 29 98 . HER HAKKI SAKLIDIR. SADECE TEM MÜHENDİSLİK LTD. TARAFINDAN KULLANILIR

S.S. KARAKÖY PERŞEMBE PAZARI TUCARLARI TOPLU İŞYERİ YAPI KOOPERATİFİ 10.KAT KOLON BİLGİLERİ

KOLON	B	D	GDNK QDNK	GDHXU QDHXU	GDHXA QDHXA	GDHYU QDHYU	GDHYA QDHYA	YNX	YMXU	YMXA	YNY	YNYU	YNYA	G. Cap	G. Ara
4	N	0.45 0.45	40.02 22.06	-2.68 -2.25	2.23 1.86	0.89 0.29	-0.76 -0.24	4.97	3.01	2.47	-4.65	3.00	2.49	0	0
4	M	0.70 0.45	55.97 28.59	2.71 3.05	-2.01 -2.29	2.89 2.38	-2.45 -1.99	-4.16	5.73	3.85	-8.03	5.23	4.53	0	0
4	L	0.70 0.45	58.28 28.61	-2.71 -3.05	2.01 2.29	2.89 2.38	-2.45 -1.99	4.16	5.73	3.85	-8.18	5.34	4.59	0	0
4	K	0.45 0.45	38.55 22.04	2.68 2.25	-2.23 -1.86	0.59 0.25	-0.52 -0.21	-4.97	3.01	2.47	-4.65	3.00	2.49	0	0
5	N	0.45 0.70	75.99 44.62	-2.96 -2.48	2.51 2.07	1.84 2.57	-1.46 -2.00	8.88	5.40	4.62	-0.13	6.98	5.03	0	0
5	M	0.70 0.70	139.70 80.90	0.57 3.66	-0.33 -2.76	-0.68 -3.69	0.43 2.80	-0.23	12.96	9.87	-0.90	12.49	9.59	0	0
5	L	0.70 0.70	141.87 80.73	-0.57 -3.66	0.33 2.76	-0.68 -3.69	0.43 2.80	0.42	12.96	9.88	-0.62	12.49	9.59	0	0
5	K	0.45 0.70	73.28 44.85	2.96 2.48	-2.51 -2.07	1.68 2.39	-1.35 -1.88	-9.07	5.42	4.63	-0.13	6.98	5.03	0	0
6	N	0.45 0.70	78.74 49.21	-2.95 -2.47	2.51 2.06	-2.21 -2.92	1.71 2.26	8.55	5.18	4.43	0.00	7.02	5.05	0	0
6	M	0.70 0.70	151.45 101.10	0.56 3.65	-0.32 -2.76	-0.13 -3.49	0.12 2.69	0.15	12.29	9.32	0.04	12.52	9.58	0	0
6	L	0.70 0.70	151.40 101.16	-0.56 -3.65	0.32 2.76	-0.13 -3.49	0.12 2.69	-0.33	12.29	9.32	-0.07	12.52	9.58	0	0
6	K	0.45 0.70	75.68 49.42	2.95 2.47	-2.50 -2.06	-2.08 -2.75	1.63 2.16	-8.37	5.18	4.43	0.00	7.02	5.05	0	0
7	N	0.45 0.70	75.05 44.52	-2.95 -2.47	2.51 2.06	2.03 2.69	-1.56 -2.07	8.55	5.18	4.43	-0.00	7.02	5.05	0	0
7	M	0.70 0.70	151.31 101.08	0.56 3.65	-0.32 -2.76	-0.19 -3.51	0.14 2.70	0.15	12.29	9.32	-0.04	12.52	9.58	0	0
7	L	0.70 0.70	151.26 101.15	-0.56 -3.65	0.32 2.76	-0.19 -3.51	0.14 2.70	-0.33	12.29	9.32	0.07	12.52	9.58	0	0
7	K	0.45 0.70	72.03 44.71	2.95 2.47	-2.50 -2.06	1.92 2.55	-1.50 -1.99	-8.37	5.18	4.43	-0.00	7.02	5.05	0	0
8	N	0.45 0.70	79.82	-2.96	2.51	-2.04	1.61	8.88	5.42	4.63	0.13	6.98	5.03	0	0

				49.37	-2.48	2.07	-2.81	2.19								
8	M	0.70	0.70	139.91	0.57	-0.33	0.35	-0.16	-0.23	12.96	9.88	0.90	12.49	9.59	0	0
				85.03	3.67	-2.77	3.49	-2.63								
8	L	0.70	0.70	142.08	-0.57	0.33	0.35	-0.16	0.42	12.96	9.88	0.62	12.49	9.59	0	0
				84.83	-3.67	2.77	3.49	-2.63								
8	K	0.45	0.70	77.15	2.96	-2.51	-1.85	1.49	-9.07	5.40	4.62	0.13	6.98	5.03	0	0
				49.66	2.48	-2.07	-2.60	2.06								
9	N	0.45	0.45	38.60	-2.18	1.85	-0.88	0.75	4.97	3.01	2.47	4.65	3.00	2.49	0	0
				22.10	-1.94	1.64	-0.29	0.24								
9	M	0.70	0.45	55.38	2.69	-2.03	-2.96	2.51	-4.16	5.73	3.85	8.03	5.23	4.53	0	0
				30.18	3.00	-2.28	-2.48	2.07								
9	L	0.70	0.45	57.68	-2.69	2.03	-2.96	2.51	4.16	5.73	3.85	8.18	5.34	4.59	0	0
				30.20	-3.00	2.28	-2.48	2.07								
9	K	0.45	0.45	37.13	2.18	-1.85	-0.58	0.52	-4.97	3.01	2.47	4.65	3.00	2.49	0	0
				22.08	1.94	-1.64	-0.25	0.21								

9Ts0Ps16.66Hs10Vv3618D

BİLSAR A.Ş. MÜHENDİSLİK PROGRAMLARI (0212) 221 29 98 . HER HAKKI SAKLIDIR. SADECE TEM MÜHENDİSLİK LTD. TARAFINDAN KULLANILIR

S.S. KARAKÖY PERŞEMBE PAZARI TüCCARLARI TOPLU İŞYERİ YAPI KOOPERATİFİ 11.KAT KOLON BİLGİLERİ

KOLON	B	D	GDNK GDNK	GDMXU GDMXU	GDMXA GDMXA	GDMYU GDMYU	GDMYA GDMYA	YNX	YMXU	YMXA	YNY	YMYU	YMYA	G. Cap	G. Ara
4	N	0.45 0.45	30.02 16.55	-2.73 -2.25	2.68 2.25	0.89 0.29	-0.89 -0.29	3.03	2.55	2.05	-2.80	2.50	2.02	0	0
4	M	0.70 0.45	37.63 17.49	3.80 3.11	-2.71 -3.05	1.18 0.39	-2.89 -2.38	-3.03	3.89	2.02	-4.69	4.10	3.65	0	0
4	L	0.70 0.45	39.93 17.51	-3.80 -3.11	2.71 3.05	1.65 0.42	-2.89 -2.38	3.03	3.89	2.02	-4.77	4.16	3.67	0	0
4	K	0.45 0.45	28.92 16.53	2.73 2.25	-2.68 -2.25	0.59 0.25	-0.59 -0.25	-3.03	2.55	2.05	-2.80	2.50	2.02	0	0
5	N	0.45 0.70	57.03 33.48	-2.96 -2.48	2.96 2.48	1.84 2.57	-1.84 -2.57	5.36	4.50	3.88	-0.08	5.89	3.70	0	0
5	M	0.70 0.70	101.41 55.52	0.53 3.70	-0.57 -3.66	1.69 3.03	0.68 3.69	-0.35	10.51	7.68	-0.72	10.20	7.45	0	0
5	L	0.70 0.70	103.58 55.34	-0.53 -3.70	0.57 3.66	1.43 3.14	0.68 3.69	0.47	10.51	7.68	-0.57	10.20	7.45	0	0
5	K	0.45 0.70	55.00 33.66	2.96 2.48	-2.96 -2.48	1.68 2.39	-1.68 -2.39	-5.48	4.52	3.88	-0.08	5.89	3.70	0	0
6	N	0.45 0.70	59.05 36.93	-2.95 -2.47	2.95 2.47	-2.21 -2.92	2.21 2.92	5.15	4.30	3.70	0.00	5.92	3.74	0	0
6	M	0.70 0.70	113.81 75.99	0.56 3.65	-0.56 -3.65	-0.30 -3.49	0.13 3.49	0.10	10.32	7.42	0.03	10.56	7.66	0	0
6	L	0.70 0.70	113.75 76.05	-0.56 -3.65	0.56 3.65	-0.28 -3.49	0.13 3.49	-0.21	10.32	7.42	-0.02	10.56	7.66	0	0
6	K	0.45 0.70	56.76 37.09	2.95 2.47	-2.95 -2.47	-2.08 -2.75	2.08 2.75	-5.03	4.30	3.70	0.00	5.92	3.74	0	0
7	N	0.45 0.70	56.29 33.41	-2.95 -2.47	2.95 2.47	2.03 2.69	-2.03 -2.69	5.15	4.30	3.70	-0.00	5.92	3.74	0	0
7	M	0.70 0.70	113.63 75.98	0.56 3.65	-0.56 -3.65	-0.03 -3.32	0.19 3.51	0.10	10.32	7.42	-0.03	10.56	7.66	0	0
7	L	0.70 0.70	113.58 76.04	-0.56 -3.65	0.56 3.65	-0.05 -3.32	0.19 3.51	-0.21	10.32	7.42	0.02	10.56	7.66	0	0
7	K	0.45 0.70	54.03 33.56	2.95 2.47	-2.95 -2.47	1.92 2.55	-1.92 -2.55	-5.03	4.30	3.70	-0.00	5.92	3.74	0	0

8	N	0.45	0.70	59.90 37.05	-2.98 -2.48	2.96 2.48	-2.04 -2.81	2.04 2.81	5.36	4.52	3.88	0.08	5.89	3.70	0	0
8	M	0.70	0.70	101.63 59.63	0.89 3.64	-0.57 -3.67	-1.85 -3.25	-0.35 -3.49	-0.35	10.51	7.68	0.72	10.20	7.45	0	0
8	L	0.70	0.70	103.79 59.42	-0.89 -3.64	0.57 3.67	-1.59 -3.37	-0.35 -3.49	0.47	10.51	7.68	0.57	10.20	7.45	0	0
8	K	0.45	0.70	57.90 37.28	2.98 2.48	-2.96 -2.48	-1.85 -2.60	1.85 2.60	-5.48	4.50	3.88	0.08	5.89	3.70	0	0
9	N	0.45	0.45	28.95 16.57	-2.21 -1.93	2.18 1.94	-0.88 -0.29	0.88 0.29	3.03	2.55	2.05	2.80	2.50	2.02	0	0
9	M	0.70	0.45	36.77 17.76	3.56 3.09	-2.69 -3.00	-1.17 -0.39	2.96 2.48	-3.03	3.89	2.03	4.69	4.10	3.65	0	0
9	L	0.70	0.45	39.07 17.77	-3.56 -3.09	2.69 3.00	-1.64 -0.43	2.96 2.48	3.03	3.89	2.03	4.77	4.16	3.67	0	0
9	K	0.45	0.45	27.85 16.56	2.21 1.93	-2.18 -1.94	-0.58 -0.25	0.58 0.25	-3.03	2.55	2.05	2.80	2.50	2.02	0	0

9T50P516.66H510V63G18D

BİLSAR A.Ş. MÜHENDİSLİK PROGRAMLARI (0212) 221 29 98 . HER HAKKI SAKLIDIR. SADECE TEM MÜHENDİSLİK LTD. TARAFINDAN KULLANILIR

S.S. KARAKÖY PERŞEMBE PAZARI TüCCARLARI TOPLU İŞYERİ YAPI KOOPERATİFİ 12.KAT KOLON BİLGİLERİ

KOLON	B	D	GDNK GDNK	GDMXU GDMXU	GDMXA GDMXA	GDMYU GDMYU	GDMYA GDMYA	YNX	YMXU	YMXA	YNY	YNYU	YNYA	G. Cap	G. Ara
4	N	0.45	0.45	20.01 11.03	-2.73 -2.25	2.73 2.25	0.89 0.29	-0.89 -0.29	1.49	1.92	1.40	-1.38	1.91	1.36	0 0
4	M	0.70	0.45	25.13 11.70	3.80 3.11	-3.80 -3.11	1.18 0.39	-1.18 -0.39	-1.49	3.47	0.40	-2.29	3.02	2.28	0 0
4	L	0.70	0.45	26.66 11.71	-3.80 -3.11	3.80 3.11	1.65 0.42	-1.65 -0.42	1.49	3.47	0.40	-2.33	3.09	2.28	0 0
4	K	0.45	0.45	19.28 11.02	2.73 2.25	-2.73 -2.25	0.59 0.25	-0.59 -0.25	-1.49	1.92	1.40	-1.38	1.91	1.36	0 0
5	N	0.45	0.70	38.07 22.35	-2.96 -2.48	2.96 2.48	1.84 2.57	-1.84 -2.57	2.62	3.37	2.67	-0.05	4.86	2.32	0 0
5	M	0.70	0.70	67.79 37.21	0.53 3.70	-0.53 -3.70	1.69 3.03	-1.69 -3.03	-0.16	8.30	4.87	-0.37	8.06	4.58	0 0
5	L	0.70	0.70	69.24 37.08	-0.53 -3.70	0.53 3.70	1.43 3.14	-1.43 -3.14	0.22	8.30	4.67	-0.29	8.06	4.58	0 0
5	K	0.45	0.70	36.71 22.48	2.96 2.48	-2.96 -2.48	1.68 2.39	-1.68 -2.39	-2.68	3.39	2.68	-0.05	4.86	2.32	0 0
6	N	0.45	0.70	39.36 24.65	-2.95 -2.47	2.95 2.47	-2.21 -2.92	2.21 2.92	2.52	3.22	2.53	0.00	4.86	2.34	0 0
6	M	0.70	0.70	75.99 50.89	0.56 3.65	-0.56 -3.65	-0.30 -3.49	0.30 3.49	0.06	8.18	4.81	0.02	8.33	4.99	0 0
6	L	0.70	0.70	75.95 50.94	-0.56 -3.65	0.56 3.65	-0.28 -3.49	0.28 3.49	-0.12	8.18	4.81	-0.01	8.33	4.99	0 0
6	K	0.45	0.70	37.83 24.77	2.95 2.47	-2.95 -2.47	-2.08 -2.75	2.08 2.75	-2.46	3.22	2.53	0.00	4.86	2.34	0 0
7	N	0.45	0.70	37.52 22.30	-2.95 -2.47	2.95 2.47	2.03 2.69	-2.03 -2.69	2.52	3.22	2.53	-0.00	4.86	2.34	0 0
7	M	0.70	0.70	75.88 50.89	0.56 3.65	-0.56 -3.65	-0.03 -3.32	0.03 3.32	0.06	8.18	4.82	-0.02	8.33	4.99	0 0
7	L	0.70	0.70	75.84 50.93	-0.56 -3.65	0.56 3.65	-0.05 -3.32	0.05 3.32	-0.12	8.18	4.82	0.01	8.33	4.99	0 0
7	K	0.45	0.70	36.02 22.41	2.95 2.47	-2.95 -2.47	1.92 2.55	-1.92 -2.55	-2.46	3.22	2.53	-0.00	4.86	2.34	0 0

8	N	0.45	0.70	39.99 24.74	-2.98 -2.48	2.98 2.48	-2.04 -2.81	2.04 2.81	2.62	3.39	2.68	0.05	4.86	2.32	0	0
8	M	0.70	0.70	67.93 39.96	0.89 3.64	-0.89 -3.64	-1.85 -3.25	1.85 3.25	-0.16	8.30	4.67	0.37	8.06	4.58	0	0
8	L	0.70	0.70	69.38 39.81	-0.89 -3.64	0.89 3.64	-1.59 -3.37	1.59 3.37	0.22	8.30	4.67	0.29	8.06	4.58	0	0
8	K	0.45	0.70	38.66 24.89	2.98 2.48	-2.98 -2.48	-1.85 -2.60	1.85 2.60	-2.68	3.37	2.67	0.05	4.86	2.32	0	0
9	N	0.45	0.45	19.30 11.05	-2.21 -1.93	2.21 1.93	-0.88 -0.29	0.88 0.29	1.49	1.92	1.40	1.38	1.91	1.36	0	0
9	M	0.70	0.45	24.55 11.87	3.56 3.09	-3.56 -3.09	-1.17 -0.39	1.17 0.39	-1.49	3.47	0.40	2.29	3.02	2.28	0	0
9	L	0.70	0.45	26.08 11.88	-3.56 -3.09	3.56 3.09	-1.64 -0.43	1.64 0.43	1.49	3.47	0.40	2.33	3.09	2.28	0	0
9	K	0.45	0.45	18.57 11.04	2.21 1.93	-2.21 -1.93	-0.58 -0.25	0.58 0.25	-1.49	1.92	1.40	1.38	1.91	1.36	0	0

9Ts0Ps16.66Hs10Vv3G18D

BİLSAR A.Ş. MÜHENDİSLİK PROGRAMLARI (0212) 221 29 98 . HER HAKKI SAKLIDIR. SADECE TEM MÜHENDİSLİK LTD. TARAFINDAN KULLANILIR

S.S. KARAKÖY PERŞEMBE PAZARI TüCCARLARI TOPLU İŞYERİ YAPI KOOPERATİFİ 13.KAT KOLON BİLGİLERİ

KOLON	B	D	GDNK GDNK	GDMXU GDMXU	GDMXA GDMXA	GDMYU GDMYU	GDMYA GDMYA	YNX	YMXU	YMXA	YNY	YMYU	YMYA	G.Cap	G.Ara
4	N	0.45 0.45	10.01 5.52	-4.40 -3.63	2.73 2.25	1.28 0.46	-0.89 -0.29	0.50	1.28	0.65	-0.45	1.25	0.64	0	0
4	M	0.70 0.45	12.63 5.91	7.47 6.12	-3.80 -3.11	1.56 0.59	-1.18 -0.39	-0.50	1.68	0.33	-0.72	1.96	1.16	0	0
4	L	0.70 0.45	13.40 5.91	-7.47 -6.12	3.80 3.11	2.36 0.67	-1.65 -0.42	0.50	1.68	0.33	-0.74	1.99	1.16	0	0
4	K	0.45 0.45	9.64 5.51	4.40 3.63	-2.73 -2.25	0.75 0.37	-0.59 -0.25	-0.50	1.28	0.65	-0.45	1.25	0.64	0	0
5	N	0.45 0.70	19.11 11.22	-4.25 -3.73	2.96 2.48	3.12 4.57	-1.84 -2.57	0.82	2.17	1.35	-0.04	2.90	0.57	0	0
5	M	0.70 0.70	34.17 18.89	1.48 6.70	-0.53 -3.70	2.49 5.08	-1.69 -3.03	-0.02	5.08	1.66	-0.15	4.97	1.65	0	0
5	L	0.70 0.70	34.90 18.81	-1.48 -6.70	0.53 3.70	2.06 5.37	-1.43 -3.14	0.04	5.08	1.66	-0.11	4.97	1.65	0	0
5	K	0.45 0.70	18.43 11.29	4.25 3.73	-2.96 -2.48	2.72 4.04	-1.68 -2.39	-0.85	2.18	1.35	-0.04	2.90	0.57	0	0
6	N	0.45 0.70	19.67 12.38	-4.25 -3.72	2.95 2.47	-3.96 -5.25	2.21 2.92	0.79	2.06	1.28	0.00	2.95	0.58	0	0
6	M	0.70 0.70	38.18 25.80	1.51 6.57	-0.56 -3.65	-0.56 -5.99	0.30 3.49	0.04	5.02	1.76	0.00	5.22	1.90	0	0
6	L	0.70 0.70	38.16 25.83	-1.52 -6.57	0.56 3.65	-0.51 -6.02	0.28 3.49	-0.07	5.02	1.76	0.00	5.22	1.90	0	0
6	K	0.45 0.70	18.90 12.44	4.25 3.72	-2.95 -2.47	-3.56 -4.73	2.08 2.75	-0.77	2.06	1.28	0.00	2.95	0.58	0	0
7	N	0.45 0.70	18.76 11.19	-4.25 -3.72	2.95 2.47	3.67 4.89	-2.03 -2.69	0.79	2.06	1.28	-0.00	2.95	0.58	0	0
7	M	0.70 0.70	38.13 25.80	1.51 6.57	-0.56 -3.65	0.06 5.68	0.03 3.32	0.04	5.02	1.76	-0.00	5.22	1.90	0	0
7	L	0.70 0.70	38.10 25.83	-1.52 -6.57	0.56 3.65	0.01 5.71	0.05 3.32	-0.07	5.02	1.76	-0.00	5.22	1.90	0	0
7	K	0.45 0.70	18.01 11.25	4.25 3.72	-2.95 -2.47	3.32 4.44	-1.92 -2.55	-0.77	2.06	1.28	-0.00	2.95	0.58	0	0

8	N	0.45	0.70	20.07 12.42	-4.30 -3.72	2.98 2.48	-3.44 -4.96	2.04 2.81	0.82	2.18	1.35	0.04	2.90	0.57	0	0
8	M	0.70	0.70	34.23 20.29	2.04 6.50	-0.89 -3.64	-2.72 -5.43	1.85 3.25	-0.02	5.08	1.66	0.15	4.97	1.65	0	0
8	L	0.70	0.70	34.96 20.20	-2.04 -6.51	0.89 3.64	-2.31 -5.74	1.59 3.37	0.04	5.08	1.66	0.11	4.97	1.65	0	0
8	K	0.45	0.70	19.41 12.51	4.30 3.72	-2.98 -2.48	-2.99 -4.37	1.85 2.60	-0.85	2.17	1.35	0.04	2.90	0.57	0	0
9	N	0.45	0.45	9.65 5.52	-3.35 -2.92	2.21 1.93	-1.26 -0.46	0.88 0.29	0.50	1.28	0.65	0.45	1.25	0.64	0	0
9	M	0.70	0.45	12.32 5.98	6.71 5.83	-3.56 -3.09	-1.54 -0.59	1.17 0.39	-0.50	1.68	0.33	0.72	1.96	1.16	0	0
9	L	0.70	0.45	13.09 5.98	-6.71 -5.83	3.56 3.09	-2.35 -0.68	1.64 0.43	0.50	1.68	0.33	0.74	1.99	1.16	0	0
9	K	0.45	0.45	9.28 5.52	3.35 2.92	-2.21 -1.93	-0.73 -0.37	0.58 0.25	-0.50	1.28	0.65	0.45	1.25	0.64	0	0

9Ts0Ps16.66Hs10Vh3G18D

BİLSAR A.Ş. MÜHENDİSLİK PROGRAMLARI (0212) 221 29 98 . HER HAKKI SAKLIDIR. SADECE TEM MÜHENDİSLİK LTD. TARAFINDAN KULLANILIR

S.S. KARAKÖY PERŞEMBE PAZARI TUCARLARI TOPLU İŞYERİ YAPI KOOPERATİFİ 1.KAT KOLON ÇÖZÜMLERİ

BETON =			B620		DEMİR =		3650.0						
KOLON	B	D	N	MX	MY	Ro	As	Asb	Asd	Köşe	B	D	ETR
4	N	0.55	0.55	153.932	-1.620	-8.266	0.50	15.12	14.93	5.24			
				162.050	-1.620	14.360	0.50	15.12	15.06	5.11			
				159.070	-12.450	3.880	0.50	15.12	5.53	14.64			
								15.12	15.06	14.64			
4	M	1.00	0.55	270.949	0.730	-12.403	0.50	27.50	27.49	9.18			
				290.520	0.730	26.700	0.50	27.50	27.50	9.17			
				328.270	54.750	9.230	0.50	27.50	10.03	26.64			
								27.50	27.50	26.64			
4	L	1.00	0.55	263.009	1.360	-14.421	0.50	27.50	27.48	9.19			
				265.700	2.700	31.560	0.50	27.50	27.48	9.19			
				347.240	54.440	7.120	0.50	27.50	9.69	26.98			
								27.50	27.48	26.98			
4	K	0.55	0.55	139.575	0.880	-9.256	0.50	15.12	15.08	5.09			
				154.860	0.880	13.610	0.50	15.12	15.10	5.06			
				155.310	10.790	2.950	0.50	15.12	5.42	14.75			
								15.12	15.10	14.75			
5	N	0.55	1.00	226.619	-5.150	-54.119	0.50	27.50	27.23	9.44			
				379.450	-5.150	56.760	0.50	27.50	27.25	9.42			
				293.720	-30.680	2.740	0.50	27.50	9.19	27.48			
								27.50	27.25	27.48			
5	M	1.00	1.00	454.705	-4.860	-88.763	0.50	50.00	49.95	16.72			
				788.720	-4.860	-92.530	0.50	50.00	49.95	16.71			
				801.380	-101.290	-6.170	0.50	50.00	16.73	49.94			
								50.00	49.95	49.94			
5	L	1.00	1.00	432.260	6.290	-85.984	0.50	50.00	49.91	16.76			
				751.480	6.290	-89.820	0.50	50.00	49.92	16.75			
				746.330	98.660	-5.510	0.50	50.00	16.72	49.95			
								50.00	49.92	49.95			
5	K	0.55	1.00	208.737	1.870	-58.167	0.50	27.50	27.47	9.20			
				366.260	1.870	-60.250	0.50	27.50	27.47	9.20			
				301.940	23.770	-2.290	0.50	27.50	9.19	27.47			
								27.50	27.47	27.47			
6	N	0.55	1.00	212.288	-6.940	-56.189	0.50	27.50	27.04	9.63			
				384.210	-6.940	-59.660	0.50	27.50	27.09	9.58			
				329.880	-24.620	-5.910	0.50	27.50	9.33	27.34			
								27.50	27.09	27.34			

6	M	1.00	1.00	440.092	-5.590	-89.634	0.50	50.00	49.94	16.73
				793.950	-5.590	-92.390	0.50	50.00	49.94	16.73
				804.730	-103.850	-4.070	0.50	50.00	16.69	49.97
								50.00	49.94	49.97
6	L	1.00	1.00	427.508	6.310	-88.572	0.50	50.00	49.92	16.75
				772.970	6.310	-91.330	0.50	50.00	49.92	16.75
				769.480	98.440	-4.090	0.50	50.00	16.70	49.97
								50.00	49.92	49.97
6	K	0.55	1.00	211.826	4.760	-57.367	0.50	27.50	27.29	9.38
				383.130	4.760	-59.620	0.50	27.50	27.31	9.36
				326.560	25.700	-3.810	0.50	27.50	9.23	27.44
								27.50	27.31	27.44
7	H	0.55	1.00	229.279	-6.940	-51.429	0.50	27.50	26.95	9.72
				370.010	-6.940	59.080	0.50	27.50	27.08	9.58
				315.930	-24.000	5.410	0.50	27.50	9.31	27.36
								27.50	27.08	27.36
7	M	1.00	1.00	442.428	-5.590	-87.193	0.50	50.00	49.93	16.74
				773.040	-5.590	92.150	0.50	50.00	49.94	16.73
				783.830	-103.950	3.760	0.50	50.00	16.69	49.98
								50.00	49.94	49.98
7	L	1.00	1.00	425.467	6.310	-86.125	0.50	50.00	49.91	16.76
				770.530	6.310	91.120	0.50	50.00	49.92	16.75
				767.160	98.490	3.780	0.50	50.00	16.69	49.98
								50.00	49.92	49.98
7	K	0.55	1.00	205.789	4.760	-54.349	0.50	27.50	27.27	9.40
				358.100	4.760	59.270	0.50	27.50	27.30	9.36
				301.620	25.680	3.490	0.50	27.50	9.22	27.45
								27.50	27.30	27.45
8	N	0.55	1.00	237.619	-5.170	-53.632	0.50	27.50	27.22	9.43
				423.470	-5.170	-56.800	0.50	27.50	27.25	9.42
				339.750	-28.920	-3.510	0.50	27.50	9.21	27.46
								27.50	27.25	27.46
8	M	1.00	1.00	428.881	-4.860	-85.310	0.50	50.00	49.95	16.72
				765.780	-4.860	92.470	0.50	50.00	49.95	16.71
				777.390	-101.360	5.270	0.50	50.00	16.71	49.95
								50.00	49.95	49.95
8	L	1.00	1.00	446.107	6.310	-84.130	0.50	50.00	49.91	16.76
				758.790	6.310	90.130	0.50	50.00	49.92	16.75
				754.520	99.060	4.740	0.50	50.00	16.70	49.96
								50.00	49.92	49.96
8	K	0.55	1.00	216.233	1.870	-59.279	0.50	27.50	27.47	9.20
				387.790	1.870	-61.270	0.50	27.50	27.47	9.19
				325.820	23.350	-2.090	0.50	27.50	9.19	27.48
								27.50	27.47	27.48

9	N	0.55	0.55	83.443	-1.340	-12.822	0.50	15.12	15.07	5.10
				168.800	-1.340	-14.510	0.50	15.12	15.08	5.08
				167.020	-12.120	-3.920	0.50	15.12	5.57	14.60
								15.12	15.08	14.60
9	M	1.00	0.55	131.180	0.770	-22.573	0.50	27.50	27.50	9.17
				273.210	0.770	-26.780	0.50	27.50	27.50	9.17
				311.400	54.940	-9.310	0.50	27.50	10.04	26.63
								27.50	27.50	26.63
9	L	1.00	0.55	132.151	1.300	-25.282	0.50	27.50	27.49	9.17
				275.580	1.300	-28.810	0.50	27.50	27.49	9.17
				358.200	55.090	-7.290	0.50	27.50	9.70	26.97
								27.50	27.49	26.97
9	K	0.55	0.55	72.686	1.100	-18.519	0.50	15.12	15.11	5.06
				151.290	1.100	-21.150	0.50	15.12	15.11	5.06
				153.010	19.780	-4.980	0.50	15.12	5.36	14.81
								15.12	15.11	14.81

9Ts0Ps16.66Hs10Vv3G18D

BİLSAR A.Ş. MÜHENDİSLİK PROGRAMLARI (0212) 221 29 98 . HER HAKKI SAKLIDIR. SADECE TEM MÜHENDİSLİK LTD. TARAFINDAN KULLANILIR

S.S. KARAKÖY PERŞEMBE PAZARI TUCARLARI TOPLU İŞYERİ YAPI KOOPERATİFİ 2.KAT KOLON ÇÖZÜMLERİ

BETON = RS20 DEMİR = 3650.0

KOLON	B	D	N	MX	MY	Ro	As	Asb	Asd	Köşe	B	D	ETR
4	N	0.55	0.55	139.411	1.620	-10.514	0.50	15.12	15.01	5.16			
				213.830	1.620	-12.180	0.50	15.12	15.04	5.13			
				216.280	12.070	-3.880	0.50	15.12	5.56	14.60			
								15.12	15.04	14.60			
4	M	1.00	0.55	240.925	-0.730	-17.117	0.50	27.50	27.49	9.17			
				369.620	-0.730	-21.280	0.50	27.50	27.50	9.17			
				337.760	-39.750	-9.230	0.50	27.50	10.80	25.87			
								27.50	27.50	25.87			
4	L	1.00	0.55	236.597	-1.360	-32.809	0.50	27.50	27.50	9.17			
				357.180	-1.360	-36.230	0.50	27.50	27.50	9.17			
				280.020	-35.210	-7.120	0.50	27.50	10.41	26.26			
								27.50	27.50	26.26			
4	K	0.55	0.55	127.902	-0.880	-10.334	0.50	15.12	15.09	5.08			
				199.780	-0.880	-11.880	0.50	15.12	15.10	5.07			
				200.890	-6.750	-2.950	0.50	15.12	6.00	14.16			
								15.12	15.10	14.16			
5	N	0.55	1.00	430.750	63.480	-2.740	0.83	45.46	15.16	45.45			
				355.750	5.150	-79.940	0.50	27.50	27.37	9.29			
								45.46	27.37	45.45			
5	M	1.00	1.00	414.474	4.860	-49.557	0.50	50.00	49.84	16.83			
				713.240	4.860	58.130	0.50	50.00	49.88	16.78			
				703.920	82.400	6.170	0.50	50.00	16.76	49.91			
								50.00	49.88	49.91			
5	L	1.00	1.00	395.348	-6.290	-64.586	0.50	50.00	49.84	16.82			
				699.290	-6.290	71.770	0.50	50.00	49.87	16.79			
				699.610	-70.140	5.510	0.50	50.00	16.77	49.90			
								50.00	49.87	49.90			
5	K	0.55	1.00	191.550	0.000	-35.150	0.50	27.50	27.50	9.17			
				249.440	-22.730	0.000	0.50	27.50	9.19	27.48			
								27.50	27.50	27.48			
6	N	0.55	1.00	417.660	54.890	5.910	0.71	39.32	13.15	39.28			
				370.060	6.940	76.310	0.50	27.50	27.25	9.42			
								39.32	27.25	39.28			
6	M	1.00	1.00	402.916	5.590	-37.896	0.50	50.00	49.64	17.03			
				742.020	5.590	43.280	0.50	50.00	49.72	16.94			
				733.040	65.540	4.070	0.50	50.00	16.73	49.94			

								50.00	49.72	49.94
6	L	1.00	1.00	391.562	-6.310	-54.118	0.50	50.00	49.77	16.89
				707.210	-6.310	59.540	0.50	50.00	49.81	16.85
				705.860	-59.410	4.090	0.50	50.00	16.75	49.92
								50.00	49.81	49.92
6	K	0.55	1.00	196.754	0.000	-36.300	0.50	27.50	27.50	9.17
				252.544	-22.150	0.000	0.50	27.50	9.19	27.48
								27.50	27.50	27.48
7	N	0.55	1.00	405.430	53.800	-5.410	0.64	35.47	11.86	35.43
				357.890	6.940	-75.560	0.50	27.50	27.24	9.42
								35.47	27.24	35.43
7	M	1.00	1.00	405.965	5.590	-39.347	0.50	50.00	49.66	17.00
				723.360	5.590	-41.910	0.50	50.00	49.70	16.96
				714.320	63.360	-3.760	0.50	50.00	16.73	49.94
								50.00	49.70	49.94
7	L	1.00	1.00	390.303	-6.310	-56.035	0.50	50.00	49.79	16.88
				706.960	-6.310	-58.600	0.50	50.00	49.81	16.86
				705.630	-57.610	-3.780	0.50	50.00	16.74	49.93
								50.00	49.81	49.93
7	K	0.55	1.00	187.690	0.000	-36.330	0.50	27.50	27.50	9.17
				243.330	-22.310	0.000	0.50	27.50	9.19	27.48
								27.50	27.50	27.48
8	N	0.55	1.00	471.920	60.540	3.510	0.90	49.35	16.47	49.34
				398.160	5.170	78.770	0.50	27.50	27.37	9.30
								49.35	27.37	49.34
8	M	1.00	1.00	388.724	4.860	-46.400	0.50	50.00	49.82	16.85
				689.270	4.860	-49.780	0.50	50.00	49.84	16.83
				680.680	77.160	-5.270	0.50	50.00	16.74	49.92
								50.00	49.84	49.92
8	L	1.00	1.00	409.219	-6.310	-63.100	0.50	50.00	49.83	16.83
				707.870	-6.310	-66.580	0.50	50.00	49.85	16.82
				707.570	-65.150	-4.740	0.50	50.00	16.75	49.91
								50.00	49.85	49.91
8	K	0.55	1.00	197.318	0.000	-34.840	0.50	27.50	27.50	9.17
				258.648	-23.110	0.000	0.50	27.50	9.19	27.48
								27.50	27.50	27.48
9	N	0.55	0.55	76.076	-1.770	-9.834	0.50	15.12	14.96	5.20
				220.340	1.340	10.480	0.50	15.12	15.04	5.12
				222.000	10.880	3.920	0.50	15.12	5.70	14.47
								15.12	15.04	14.47
9	M	1.00	0.55	112.856	1.540	-12.470	0.50	27.50	27.46	9.21
				351.590	-0.770	21.360	0.50	27.50	27.50	9.17

319.270	-35.490	9.310	0.50	27.50	11.25	25.41
---------	---------	-------	------	-------	-------	-------

27.50	27.50	25.41
-------	-------	-------

9	L	1.00	0.55	119.008	2.600	-21.759	0.50	27.50	27.46	9.21
				365.880	-1.300	29.070	0.50	27.50	27.49	9.17
				288.600	-31.560	7.290	0.50	27.50	10.78	25.88

27.50	27.49	25.88
-------	-------	-------

9	K	0.55	0.55	195.580	-1.100	35.840	0.65	19.75	19.74	6.59
				67.752	24.855	4.980	0.53	16.05	5.57	15.84

19.75	19.74	15.84
-------	-------	-------

9Ts0Ps16.66Hs10Vr3G18D

BİLSAR A.Ş. MÜHENDİSLİK PROGRAMLARI (0212) 221 29 98 . HER HAKKI SAKLIDIR. SADECE TEM MÜHENDİSLİK LTD. TARAFINDAN KULLANILIR

S.S. KARAKÖY PERŞEMBE PAZARI TUCARLARI TOPLU İŞYERİ YAPI KOOPERATİFİ 3.KAT KOLON ÇÖZÜMLERİ

BETON =		B520		DEMİR =		3550.0							
KOLON	B	D	N	MX	MY	Ro	As	Asb	Asd	Köşe	B	D	ETR
4	N	0.55	0.55	129.117	2.220	-7.210	0.50	15.12	14.65	5.52			
				130.947	8.318	0.000	0.50	15.12	5.05	15.11			
								15.12	14.65	15.11			
4	M	1.00	0.55	210.242	-1.490	-15.506	0.50	27.50	27.47	9.19			
				323.270	-1.490	-21.060	0.50	27.50	27.49	9.18			
				252.240	19.870	5.040	0.50	27.50	11.12	25.55			
								27.50	27.49	25.55			
4	L	1.00	0.55	214.866	-2.850	-18.881	0.50	27.50	27.44	9.23			
				328.350	-2.850	-21.100	0.50	27.50	27.45	9.22			
				256.440	-17.310	5.040	0.50	27.50	11.74	24.93			
								27.50	27.45	24.93			
4	K	0.55	0.55	125.940	4.340	-2.570	0.50	15.12	6.81	13.36			
				198.710	-0.730	0.320	0.50	15.12	11.13	9.04			
				140.450	9.410	0.820	0.50	15.12	5.08	15.09			
								15.12	11.13	15.09			
5	M	0.55	1.00	133.774	-49.804	5.900	0.53	29.37	9.83	29.33			
				335.800	-8.060	59.020	0.50	27.50	26.93	9.73			
								29.37	26.93	29.33			
5	M	1.00	1.00	371.320	3.440	-11.444	0.50	50.00	48.49	18.17			
				646.590	-0.700	22.760	0.50	50.00	49.98	16.68			
				645.720	47.350	-3.910	0.50	50.00	16.78	49.89			
								50.00	49.98	49.89			
5	L	1.00	1.00	372.898	-7.530	-8.921	0.50	50.00	37.94	28.73			
				654.420	-3.440	-11.870	0.50	50.00	48.60	18.07			
				648.940	-41.600	-3.910	0.50	50.00	16.81	49.85			
								50.00	48.60	49.85			
5	K	0.55	1.00	126.796	48.614	5.670	0.53	28.96	9.69	28.92			
				328.220	8.060	74.610	0.50	27.50	27.15	9.52			
								28.96	27.15	28.92			
6	N	0.55	1.00	200.693	-8.040	-55.663	0.50	27.50	26.87	9.80			
				357.940	-8.040	-59.740	0.50	27.50	26.95	9.72			
				302.320	-46.140	-6.660	0.50	27.50	9.22	27.44			
								27.50	26.95	27.44			
6	M	1.00	1.00	384.478	3.430	-7.943	0.50	50.00	46.89	19.77			
				384.698	0.000	11.756	0.50	50.00	50.00	16.67			
				698.630	34.920	-3.500	0.50	50.00	16.83	49.83			

							50.00	50.00	49.83	
6	L	1.00	1.00	385.082	0.000	-25.210	0.50	50.00	50.00	16.67
				698.660	-34.870	-3.500	0.50	50.00	16.83	49.83
								50.00	50.00	49.83
6	K	0.55	1.00	193.190	8.040	-73.519	0.50	27.50	27.14	9.53
				349.990	8.040	-77.500	0.50	27.50	27.17	9.49
				294.280	51.020	-6.510	0.50	27.50	9.21	27.45
								27.50	27.17	27.45
7	N	0.55	1.00	191.617	-8.040	-50.731	0.50	27.50	26.74	9.93
				334.870	-8.040	59.150	0.50	27.50	26.94	9.73
				279.310	-46.050	6.070	0.50	27.50	9.21	27.45
								27.50	26.94	27.45
7	M	1.00	1.00	384.500	3.430	-8.012	0.50	50.00	46.95	19.72
				700.300	3.430	-11.360	0.50	50.00	48.48	18.19
				698.370	34.730	-3.510	0.50	50.00	16.84	49.83
								50.00	48.48	49.83
7	L	1.00	1.00	383.823	0.000	-24.720	0.50	50.00	50.00	16.67
				698.430	-34.900	-3.510	0.50	50.00	16.84	49.83
								50.00	50.00	49.83
7	K	0.55	1.00	184.126	8.040	-68.676	0.50	27.50	27.08	9.58
				326.960	8.040	76.940	0.50	27.50	27.17	9.50
				271.320	50.010	5.960	0.50	27.50	9.20	27.46
								27.50	27.17	27.46
8	N	0.55	1.00	143.415	-49.514	-6.500	0.50	27.66	9.27	27.61
				359.220	-8.060	-59.400	0.50	27.50	26.94	9.72
								27.66	26.94	27.61
8	M	1.00	1.00	365.636	-0.130	-18.010	0.50	50.00	50.00	16.67
				654.020	47.140	-3.140	0.50	50.00	16.74	49.93
								50.00	50.00	49.93
8	L	1.00	1.00	370.592	-8.370	-17.754	0.50	50.00	46.30	20.37
				659.940	-8.370	-20.390	0.50	50.00	47.19	19.48
				657.230	-41.330	-3.140	0.50	50.00	16.76	49.90
								50.00	47.19	49.90
8	K	0.55	1.00	193.754	8.060	-70.507	0.50	27.50	27.10	9.56
				351.400	8.060	-74.390	0.50	27.50	27.14	9.52
				294.170	51.770	-6.250	0.50	27.50	9.21	27.46
								27.50	27.14	27.46
9	N	0.55	0.55	70.467	-3.690	-5.847	0.50	15.12	13.12	7.05
				197.440	1.770	12.070	0.50	15.12	15.02	5.15
				140.670	-11.190	-1.080	0.50	15.12	5.09	15.08
								15.12	15.02	15.08
9	M	1.00	0.55	111.094	5.110	-10.512	0.50	27.50	26.84	9.82

210.314	-1.540	9.650	0.50	27.50	27.43	9.24
260.620	19.970	-5.200	0.50	27.50	11.22	25.45

27.50	27.43	25.45
-------	-------	-------

9	L	1.00	0.55	113.409	-5.110	-10.782	0.50	27.50	26.88	9.79
				336.570	-2.600	18.750	0.50	27.50	27.45	9.22
				265.110	-17.130	-5.200	0.50	27.50	11.96	24.71

27.50	27.45	24.71
-------	-------	-------

9	K	0.55	0.55	66.780	0.000	-18.090	0.50	15.12	15.12	5.04
				123.030	-13.210	0.000	0.50	15.12	5.05	15.11

15.12	15.12	15.11
-------	-------	-------

9Ts0Ps16.66Hs10Vv3G18D

BİLSAR A.Ş. MÜHENDİSLİK PROGRAMLARI (0212) 221 29 98 . HER HAKKI SAKLIDIR. SADECE TEM MÜHENDİSLİK LTD. TARAFINDAN KULLANILIR

S.S. KARAKÖY PERŞEMBE PAZARI TUCCARLARI TOPLU İŞYERİ YAPI KOOPERATİFİ 4.KAT KOLON ÇÖZÜMLERİ

BETON =		B20		DEMİR =		3650.0							
KOLON	B	D	N	MX	MY	Ro	As	Asb	Asd	Köşe	B	D	ETR
4	N	0.50	0.50	114.630	5.920	-8.316	0.50	12.50	10.39	6.28			
				180.120	5.920	-8.770	0.50	12.50	10.60	6.07			
				132.830	-11.860	1.340	0.50	12.50	4.22	12.45			
								12.50	10.60	12.45			
4	M	0.90	0.50	184.767	-6.650	-16.100	0.50	22.50	22.11	7.89			
				200.570	5.840	18.500	0.50	22.50	22.27	7.73			
				224.150	19.370	6.210	0.50	22.50	10.00	20.00			
								22.50	22.27	20.00			
4	L	0.90	0.50	189.132	6.660	-16.990	0.50	22.50	22.14	7.86			
				203.580	-5.850	19.500	0.50	22.50	22.29	7.71			
				228.000	-19.800	6.210	0.50	22.50	9.89	20.11			
								22.50	22.29	20.11			
4	K	0.50	0.50	111.516	-5.920	-10.328	0.50	12.50	11.13	5.54			
				176.590	-5.920	-10.710	0.50	12.50	11.23	5.44			
				129.060	12.250	1.020	0.50	12.50	4.20	12.47			
								12.50	11.23	12.47			
5	N	0.50	0.90	174.629	5.440	-22.354	0.50	22.50	21.06	8.94			
				305.260	5.440	-24.770	0.50	22.50	21.33	8.67			
				259.120	-14.720	4.850	0.50	22.50	7.75	22.25			
								22.50	21.33	22.25			
5	M	0.90	0.90	334.000	-4.520	-33.760	0.50	40.50	40.26	13.74			
				586.650	4.260	-37.390	0.50	40.50	40.32	13.68			
				583.060	36.740	-4.520	0.50	40.50	13.70	40.30			
								40.50	40.32	40.30			
5	L	0.90	0.90	335.918	4.530	-37.310	0.50	40.50	40.30	13.70			
				585.630	4.530	42.980	0.50	40.50	40.35	13.65			
				585.500	-37.740	-4.520	0.50	40.50	13.69	40.31			
								40.50	40.35	40.31			
5	K	0.50	0.90	168.352	-5.440	-34.133	0.50	22.50	21.88	8.12			
				298.760	-5.440	-36.480	0.50	22.50	21.96	8.04			
				251.770	14.920	4.630	0.50	22.50	7.72	22.28			
								22.50	21.96	22.28			
6	N	0.50	0.90	181.512	5.440	-16.611	0.50	22.50	19.89	10.11			
				324.370	5.440	22.750	0.50	22.50	21.11	8.89			
				279.740	-15.470	-5.480	0.50	22.50	7.79	22.21			
								22.50	21.11	22.21			

6	M	0.90	0.90	347.673	-4.510	-36.942	0.50	40.50	40.30	13.70
				635.160	-4.510	41.730	0.50	40.50	40.34	13.66
				635.300	36.630	-4.090	0.50	40.50	13.67	40.33
								40.50	40.34	40.33
6	L	0.90	0.90	348.276	4.510	-41.532	0.50	40.50	40.34	13.66
				634.620	4.510	46.320	0.50	40.50	40.37	13.63
				636.360	-36.810	-4.090	0.50	40.50	13.67	40.33
								40.50	40.37	40.33
6	K	0.50	0.90	174.663	-5.440	-29.816	0.50	22.50	21.69	8.31
				317.150	-5.440	35.810	0.50	22.50	21.94	8.06
				273.490	14.440	-5.330	0.50	22.50	7.82	22.18
								22.50	21.94	22.18
7	M	0.50	0.90	173.133	5.440	-19.877	0.50	22.50	20.68	9.32
				303.400	5.440	-22.340	0.50	22.50	21.06	8.94
				258.800	-15.420	5.000	0.50	22.50	7.74	22.26
								22.50	21.06	22.26
7	M	0.90	0.90	347.595	-4.510	-36.873	0.50	40.50	40.30	13.70
				634.780	-4.510	41.680	0.50	40.50	40.34	13.66
				635.040	36.460	-4.100	0.50	40.50	13.67	40.33
								40.50	40.34	40.33
7	L	0.90	0.90	346.929	4.510	-41.463	0.50	40.50	40.34	13.66
				635.500	4.510	46.270	0.50	40.50	40.37	13.63
				636.100	-36.600	-4.100	0.50	40.50	13.67	40.33
								40.50	40.37	40.33
7	K	0.50	0.90	166.356	-5.440	-33.010	0.50	22.50	21.84	8.16
				296.200	-5.440	-35.430	0.50	22.50	21.93	8.07
				252.570	14.420	4.890	0.50	22.50	7.77	22.23
								22.50	21.93	22.23
8	M	0.50	0.90	183.139	5.460	-19.213	0.50	22.50	20.54	9.46
				326.550	5.460	25.160	0.50	22.50	21.36	8.64
				372.560	11.070	4.300	0.50	22.50	7.80	22.20
								22.50	21.36	22.20
8	M	0.90	0.90	328.661	-4.530	-34.247	0.50	40.50	40.26	13.74
				589.170	4.280	-36.220	0.50	40.50	40.31	13.69
				591.360	36.260	-3.700	0.50	40.50	13.64	40.36
								40.50	40.31	40.36
8	L	0.90	0.90	333.268	4.530	-37.757	0.50	40.50	40.31	13.69
				597.000	4.530	41.760	0.50	40.50	40.34	13.66
				593.770	-37.260	-3.700	0.50	40.50	13.63	40.37
								40.50	40.34	40.37
8	K	0.50	0.90	177.255	-5.450	-31.434	0.50	22.50	21.77	8.23
				320.160	-5.450	37.140	0.50	22.50	21.98	8.02
				273.330	14.940	-5.090	0.50	22.50	7.77	22.23
								22.50	21.98	22.23

9	N	0.50	0.50	65.964	-4.590	-7.188	0.50	12.50	10.80	5.87
				176.670	5.030	8.750	0.50	12.50	11.12	5.54
				129.470	-11.020	-1.330	0.50	12.50	4.23	12.44
								12.50	11.12	12.44
9	M	0.90	0.50	100.452	5.960	-15.494	0.50	22.50	22.16	7.84
				207.330	5.960	-18.710	0.50	22.50	22.27	7.73
				230.970	19.080	-6.420	0.50	22.50	10.25	19.75
								22.50	22.27	19.75
9	L	0.90	0.50	103.017	-5.960	-15.944	0.50	22.50	22.18	7.82
				210.340	-5.960	-19.160	0.50	22.50	22.28	7.72
				234.760	-19.490	-6.420	0.50	22.50	10.14	19.86
								22.50	22.28	19.86
9	K	0.50	0.50	62.410	-5.030	-11.531	0.50	12.50	11.71	4.96
				173.210	-5.030	13.370	0.50	12.50	11.91	4.76
				174.780	-14.710	1.110	0.50	12.50	4.19	12.48
								12.50	11.91	12.48

9Ts0Ps16.86Hs10Vr3G18D

BİLSAR A.Ş. MÜHENDİSLİK PROGRAMLARI (0212) 221 29 98 . HER HAKKI SAKLIDIR. SADECE TEM MÜHENDİSLİK LTD. TARAFINDAN KULLANILIR

S.S. KARAKÖY PERŞEMBE PAZARI TÜCCARLARI TOPLU İŞYERİ YAPI KOOPERATİFİ 5.KAT KOLON ÇÖZÜMLERİ

BETON =			BS20		DEMİR =		3650.0						
KOLON	B	D	N	MX	MY	Rd	As	Asb	Asd	Köşe	B	D	ETR
4	N	0.50	0.50	101.624	5.330	-4.777	0.50	12.50	7.51	9.15			
				122.470	-5.350	6.390	0.50	12.50	9.58	7.09			
				121.180	-10.820	1.340	0.50	12.50	4.23	12.44			
								12.50	9.58	12.44			
4	M	0.90	0.50	159.780	-5.840	-11.053	0.50	22.50	21.85	8.15			
				245.820	-5.840	-14.140	0.50	22.50	22.11	7.89			
				196.420	14.870	1.950	0.50	22.50	7.92	22.08			
								22.50	22.11	22.08			
4	L	0.90	0.50	163.845	5.850	-11.053	0.50	22.50	21.85	8.15			
				251.330	5.850	-14.140	0.50	22.50	22.10	7.90			
				200.340	-14.780	2.470	0.50	22.50	8.18	21.82			
								22.50	22.10	21.82			
4	K	0.50	0.50	98.704	5.350	-4.374	0.50	12.50	6.95	9.71			
				119.070	5.350	6.060	0.50	12.50	9.25	7.41			
				117.840	10.750	1.020	0.50	12.50	4.20	12.46			
								12.50	9.25	12.46			
5	N	0.50	0.90	156.983	6.410	-16.254	0.50	22.50	18.72	11.28			
				274.540	6.410	-19.250	0.50	22.50	19.81	10.19			
				312.770	19.030	-4.850	0.50	22.50	7.65	22.35			
								22.50	19.81	22.35			
5	M	0.90	0.90	297.673	4.020	-19.597	0.50	40.50	39.93	14.07			
				516.520	4.020	27.200	0.50	40.50	40.21	13.79			
				517.660	28.550	5.650	0.50	40.50	14.03	39.97			
								40.50	40.21	39.97			
5	L	0.90	0.90	299.861	-4.020	-20.004	0.50	40.50	39.95	14.05			
				520.990	-4.020	27.040	0.50	40.50	40.20	13.80			
				520.420	-28.320	5.380	0.50	40.50	13.99	40.01			
								40.50	40.20	40.01			
5	K	0.50	0.90	151.477	-6.400	-18.116	0.50	22.50	19.47	10.53			

				268.850	-6.400	-21.000	0.50	22.50	20.24	9.76
				307.710	-18.920	-4.630	0.50	22.50	7.64	22.36
								22.50	20.24	22.36
6	N	0.50	0.90	162.889	-6.400	-15.493	0.50	22.50	18.35	11.65
				291.490	6.400	19.080	0.50	22.50	19.77	10.23
				328.400	17.680	5.480	0.50	22.50	7.72	22.28
								22.50	19.77	22.28
6	M	0.90	0.90	311.933	4.240	-22.652	0.50	40.50	40.03	13.97
				570.860	4.240	-26.570	0.50	40.50	40.16	13.84
				570.770	28.300	-4.170	0.50	40.50	13.79	40.21
								40.50	40.16	40.21
6	L	0.90	0.90	312.357	-4.260	-22.703	0.50	40.50	40.02	13.98
				571.390	-4.260	-26.620	0.50	40.50	40.15	13.85
				571.450	-28.260	-4.160	0.50	40.50	13.79	40.21
								40.50	40.15	40.21
6	K	0.50	0.90	156.715	6.400	-16.390	0.50	22.50	18.79	11.21
				284.990	-6.400	21.090	0.50	22.50	20.26	9.74
				321.300	-18.420	5.330	0.50	22.50	7.69	22.31
								22.50	20.26	22.31
7	N	0.50	0.90	155.396	6.400	-15.535	0.50	22.50	18.38	11.62
				272.620	6.400	-18.600	0.50	22.50	19.62	10.38
				309.520	17.680	-5.000	0.50	22.50	7.69	22.31
								22.50	19.62	22.31
7	M	0.90	0.90	311.866	4.240	-22.507	0.50	40.50	40.02	13.98
				570.740	4.240	-26.320	0.50	40.50	40.15	13.85
				570.510	28.260	-3.930	0.50	40.50	13.76	40.24
								40.50	40.15	40.24
7	L	0.90	0.90	311.370	-4.260	-22.586	0.50	40.50	40.02	13.98
				570.350	-4.260	-26.400	0.50	40.50	40.15	13.85
				571.190	-28.230	-3.940	0.50	40.50	13.76	40.24
								40.50	40.15	40.24
7	K	0.50	0.90	149.294	-6.400	-17.640	0.50	22.50	19.30	10.70
				266.160	-6.400	-20.640	0.50	22.50	20.16	9.84
				302.460	-18.410	-4.890	0.50	22.50	7.66	22.34
								22.50	20.16	22.34
8	N	0.50	0.90	164.227	-6.420	-15.452	0.50	22.50	18.31	11.69
				293.720	6.420	19.730	0.50	22.50	19.93	10.07
				331.920	19.080	5.340	0.50	22.50	7.68	22.32
								22.50	19.93	22.32
8	M	0.90	0.90	292.979	4.270	-23.623	0.50	40.50	40.06	13.94
				524.850	4.270	-27.620	0.50	40.50	40.18	13.82
				526.000	28.690	-6.130	0.50	40.50	14.12	39.88
								40.50	40.18	39.88
8	L	0.90	0.90	297.307	-4.270	-23.445	0.50	40.50	40.05	13.95

				529.290	-4.270	-27.470	0.50	40.50	40.17	13.83
				528.720	-28.470	-5.870	0.50	40.50	14.07	39.93
								40.50	40.17	39.93
8	K	0.50	0.90	158.724	6.420	-16.235	0.50	22.50	18.70	11.30
				288.220	-6.420	21.590	0.50	22.50	20.35	9.65
				327.030	-18.850	5.090	0.50	22.50	7.67	22.33
								22.50	20.35	22.33
9	N	0.50	0.50	60.664	-4.570	-5.938	0.50	12.50	10.03	6.63
				119.340	-4.570	-6.350	0.50	12.50	10.34	6.32
				118.080	-10.010	-1.330	0.50	12.50	4.24	12.43
								12.50	10.34	12.43
9	M	0.90	0.50	90.609	6.910	-10.179	0.50	22.50	21.43	8.57
				252.060	-5.960	14.350	0.50	22.50	22.10	7.90
				201.680	14.710	-1.950	0.50	22.50	7.93	22.07
								22.50	22.10	22.07
9	L	0.90	0.50	93.474	-6.910	-10.771	0.50	22.50	21.55	8.45
				256.570	5.960	14.450	0.50	22.50	22.11	7.89
				205.610	-14.640	-2.460	0.50	22.50	8.19	21.81
								22.50	22.11	21.81
9	K	0.50	0.50	57.673	4.570	-5.547	0.50	12.50	9.67	6.99
				115.970	4.570	-5.300	0.50	12.50	10.00	6.67
				114.760	9.820	-1.010	0.50	12.50	4.21	12.46
								12.50	10.00	12.46

3Ts0Ps16.66Hs10Vv3618D

BİLSAR A.Ş. MÜHENDİSLİK PROGRAMLARI (0212) 221 29 98 . HER HAKKI SAKLIDIR. SADECE TEM MÜHENDİSLİK LTD. TARAFINDAN KULLANILIR

5.5. KARAKÖY PERŞEMBE PAZARI TUCCARLARI TOPLU İŞYERİ YAPI KOOPERATİFİ 6.KAT KOLON ÇÖZÜMLERİ

BETON = BS20 DEMİR = 3650.0

KOLON	B	D	N	MX	MY	Ro	As	Asb	Asd	Köşe	B	D	ETR
4	N	0.50	0.50	88.859	5.350	-5.277	0.50	12.50	8.22	8.45			
				110.030	-5.350	5.920	0.50	12.50	9.10	7.57			
				109.040	-10.090	1.330	0.50	12.50	4.24	12.43			
								12.50	9.10	12.43			
4	M	0.90	0.50	141.639	-7.000	-8.809	0.50	22.50	21.04	8.96			
				164.960	6.800	15.160	0.50	22.50	22.03	7.97			
				205.520	-9.610	-1.950	0.50	22.50	8.50	21.50			
								22.50	22.03	21.50			
4	L	0.90	0.50	144.910	7.000	-9.270	0.50	22.50	21.18	8.82			
				167.610	-6.800	15.360	0.50	22.50	22.05	7.95			
				208.670	9.710	-2.470	0.50	22.50	9.07	20.93			
								22.50	22.05	20.93			
4	K	0.50	0.50	86.242	-5.350	-5.126	0.50	12.50	7.99	8.67			
				107.040	5.350	5.660	0.50	12.50	8.78	7.83			
				106.070	10.110	1.010	0.50	12.50	4.21	12.46			
								12.50	8.78	12.46			
5	N	0.50	0.90	139.016	-6.690	-8.549	0.50	22.50	11.28	18.72			
				243.280	-6.690	16.330	0.50	22.50	18.42	11.58			
				274.390	14.440	-4.850	0.50	22.50	7.76	22.24			
								22.50	18.42	22.24			
5	M	0.90	0.90	264.665	5.210	-22.566	0.50	40.50	39.78	14.22			
				467.270	5.210	-27.490	0.50	40.50	40.02	13.98			
				464.820	28.910	-5.500	0.50	40.50	13.99	40.01			
								40.50	40.02	40.01			
5	L	0.90	0.90	266.366	-5.210	-22.716	0.50	40.50	39.79	14.21			
				469.080	-5.210	-27.640	0.50	40.50	40.02	13.98			
				466.970	-28.950	-5.500	0.50	40.50	13.99	40.01			
								40.50	40.02	40.01			
5	K	0.50	0.90	134.111	6.690	-8.724	0.50	22.50	11.44	18.56			
				238.230	6.690	16.090	0.50	22.50	18.30	11.70			
				269.900	-14.460	-4.630	0.50	22.50	7.74	22.26			
								22.50	18.30	22.26			
6	N	0.50	0.90	144.296	-6.690	-13.225	0.50	22.50	16.28	13.72			
				258.560	-6.690	-17.130	0.50	22.50	18.79	11.21			
				288.410	14.180	5.480	0.50	22.50	7.85	22.15			

							22.50	18.79	22.15	
6	M	0.90	0.90	276.160	5.180	-22.536	0.50	40.50	39.79	14.21
				506.650	5.180	-27.280	0.50	40.50	40.01	13.99
				506.650	27.990	-4.960	0.50	40.50	13.92	40.08
								40.50	40.01	40.08
6	L	0.90	0.90	276.524	-5.190	-22.706	0.50	40.50	39.79	14.21
				507.110	-5.190	-27.450	0.50	40.50	40.02	13.98
				507.240	-28.020	-4.960	0.50	40.50	13.92	40.08
								40.50	40.02	40.08
6	K	0.50	0.90	138.806	6.690	-13.183	0.50	22.50	16.24	13.76
				252.800	6.690	-16.970	0.50	22.50	18.72	11.28
				282.130	-14.030	5.330	0.50	22.50	7.83	22.17
								22.50	18.72	22.17
7	N	0.50	0.90	137.629	-6.690	-8.491	0.50	22.50	11.23	18.77
				241.790	-6.690	16.580	0.50	22.50	18.54	11.46
				271.640	14.170	-5.000	0.50	22.50	7.79	22.21
								22.50	18.54	22.21
7	M	0.90	0.90	276.107	5.180	-22.545	0.50	40.50	39.79	14.21
				506.550	5.180	-27.290	0.50	40.50	40.01	13.99
				506.450	27.980	-4.970	0.50	40.50	13.93	40.07
								40.50	40.01	40.07
7	L	0.90	0.90	275.671	-5.190	-22.715	0.50	40.50	39.80	14.20
				506.210	-5.190	-27.460	0.50	40.50	40.02	13.98
				507.040	-28.000	-4.970	0.50	40.50	13.93	40.07
								40.50	40.02	40.07
7	K	0.50	0.90	132.192	6.690	-8.584	0.50	22.50	11.31	18.69
				236.070	6.690	16.460	0.50	22.50	18.49	11.51
				265.380	-14.030	-4.890	0.50	22.50	7.78	22.22
								22.50	18.49	22.22
8	N	0.50	0.90	145.645	-6.710	-13.066	0.50	22.50	16.09	13.91
				260.340	-6.710	-16.880	0.50	22.50	18.66	11.34
				291.440	14.460	5.340	0.50	22.50	7.82	22.18
								22.50	18.66	22.18
8	M	0.90	0.90	261.187	5.220	-21.824	0.50	40.50	39.73	14.27
				472.950	-4.270	22.230	0.50	40.50	40.00	14.00
				470.500	28.880	-4.430	0.50	40.50	13.82	40.18
								40.50	40.00	40.18
8	L	0.90	0.90	264.688	-5.220	-21.984	0.50	40.50	39.74	14.26
				474.720	4.270	22.110	0.50	40.50	40.00	14.00
				472.610	-28.920	-4.430	0.50	40.50	13.82	40.18
								40.50	40.00	40.18
8	K	0.50	0.90	140.804	6.710	-12.962	0.50	22.50	15.99	14.01
				255.450	6.710	-16.610	0.50	22.50	18.53	11.47
				287.100	-14.480	5.090	0.50	22.50	7.79	22.21

								22.50	18.53	22.21
9	N	0.50	0.50	55.123	-4.610	-5.489	0.50	12.50	9.56	7.11
				107.260	-4.610	-5.900	0.50	12.50	9.96	6.71
				106.280	-9.340	-1.320	0.50	12.50	4.25	12.42
								12.50	9.96	12.42
9	M	0.90	0.50	84.873	6.900	-12.010	0.50	22.50	21.74	8.26
				210.900	-1.150	-6.700	0.50	22.50	22.43	7.57
				186.420	14.950	-6.700	0.50	22.50	12.38	17.62
								22.50	22.43	17.62
9	L	0.90	0.50	87.155	-6.910	-12.170	0.50	22.50	21.75	8.25
				172.980	-6.910	-15.540	0.50	22.50	22.04	7.96
				214.030	9.570	2.460	0.50	22.50	9.11	20.89
								22.50	22.04	20.89
9	K	0.50	0.50	52.466	4.610	-5.308	0.50	12.50	9.36	7.31
				104.260	4.610	-5.660	0.50	12.50	9.74	6.93
				103.300	9.380	-1.000	0.50	12.50	4.21	12.45
								12.50	9.74	12.45

9Ts0Ps16.66Hs10Vh3618D

BİLSAR A.Ş. MÜHENDİSLİK PROGRAMLARI (0212) 221 29 98 . HER HAKKI SAKLIDIR. SADECE TEM MÜHENDİSLİK LTD. TARAFINDAN KULLANILIR

S.S. KARAKÖY PERŞEMBE PAZARI TUCCARLARI TOPLU İŞYERİ YAPI KOOPERATİFİ 7.KAT KOLON ÇÖZÜMLERİ

BETON = RS20 DEMİR = 3650.0

KOLON	B	D	N	MX	MY	Ro	As	Asb	Asd	Köşe	B	D	ETR
4	N	0.50	0.50	76.364	5.350	-4.998	0.50	12.50	7.80	8.86			
				97.320	-5.370	5.840	0.50	12.50	8.98	7.69			
				96.530	-9.960	1.320	0.50	12.50	4.24	12.43			
								12.50	8.98	12.43			
4	N	0.80	0.50	118.240	-4.780	-10.489	0.50	20.00	19.46	7.21			
				185.270	-4.780	-13.360	0.50	20.00	19.67	7.00			
				152.840	13.930	6.050	0.50	20.00	9.89	16.78			
								20.00	19.67	16.78			
4	L	0.80	0.50	121.382	4.780	-10.539	0.50	20.00	19.46	7.20			
				188.760	4.780	-13.410	0.50	20.00	19.67	7.00			
				155.960	-13.930	6.050	0.50	20.00	9.89	16.78			
								20.00	19.67	16.78			
4	K	0.50	0.50	74.070	-5.350	-4.707	0.50	12.50	7.39	9.27			
				94.710	5.370	5.530	0.50	12.50	8.57	8.10			
				93.930	9.960	1.000	0.50	12.50	4.21	12.46			
								12.50	8.57	12.46			
5	N	0.50	0.80	121.160	5.950	-9.172	0.50	20.00	12.85	13.81			
				212.350	-6.250	14.770	0.50	20.00	16.94	9.72			
				236.900	13.890	-3.950	0.50	20.00	6.88	19.79			
								20.00	16.94	19.79			
5	N	0.80	0.80	228.412	4.150	-19.028	0.50	32.00	31.49	11.17			
				402.310	4.150	-22.930	0.50	32.00	31.65	11.02			
				399.950	23.710	-4.370	0.50	32.00	11.03	31.64			
								32.00	31.65	31.64			
5	L	0.80	0.80	230.313	-4.150	-19.048	0.50	32.00	31.49	11.17			
				404.310	-4.150	-22.950	0.50	32.00	31.65	11.02			
				402.220	-23.700	-4.370	0.50	32.00	11.03	31.64			
								32.00	31.65	31.64			
5	K	0.50	0.80	116.867	-5.950	-9.143	0.50	20.00	12.82	13.85			
				207.940	6.250	14.570	0.50	20.00	16.86	9.81			
				232.920	-13.900	-3.750	0.50	20.00	6.86	19.81			
								20.00	16.86	19.81			
6	N	0.50	0.80	125.693	-6.230	-12.118	0.50	20.00	15.49	11.18			
				225.650	-6.230	-15.400	0.50	20.00	17.21	9.46			
				249.160	13.530	4.480	0.50	20.00	6.95	19.71			

								20.00	17.21	19.71
6	M	0.80	0.80	240.412	4.130	-18.582	0.50	32.00	31.47	11.19
				442.380	4.130	-22.340	0.50	32.00	31.64	11.03
				442.400	22.590	-3.920	0.50	32.00	10.99	31.68
								32.00	31.64	31.68
6	L	0.80	0.80	240.657	-4.130	-18.602	0.50	32.00	31.47	11.19
				442.710	-4.130	-22.360	0.50	32.00	31.64	11.03
				442.850	-22.590	-3.920	0.50	32.00	10.99	31.68
								32.00	31.64	31.68
6	K	0.50	0.80	120.887	6.230	-12.097	0.50	20.00	15.47	11.19
				220.620	6.230	-15.260	0.50	20.00	17.16	9.51
				243.720	-13.540	4.340	0.50	20.00	6.93	19.73
								20.00	17.16	19.73
7	N	0.50	0.80	119.863	5.950	-9.184	0.50	20.00	12.87	13.80
				210.970	-6.230	14.940	0.50	20.00	17.03	9.63
				234.480	13.530	-4.090	0.50	20.00	6.90	19.76
								20.00	17.03	19.76
7	M	0.80	0.80	240.359	4.130	-18.591	0.50	32.00	31.47	11.19
				442.280	4.130	-22.350	0.50	32.00	31.64	11.03
				442.200	22.590	-3.930	0.50	32.00	10.99	31.68
								32.00	31.64	31.68
7	L	0.80	0.80	240.024	-4.130	-18.611	0.50	32.00	31.47	11.19
				442.040	-4.130	-22.370	0.50	32.00	31.64	11.03
				442.660	-22.580	-3.930	0.50	32.00	10.99	31.68
								32.00	31.64	31.68
7	K	0.50	0.80	115.111	-5.940	-9.199	0.50	20.00	12.51	13.75
				205.970	6.230	14.840	0.50	20.00	16.99	9.67
				229.070	-13.540	-3.980	0.50	20.00	6.89	19.77
								20.00	16.99	19.77
8	N	0.50	0.80	126.934	-6.250	-12.049	0.50	20.00	15.41	11.26
				227.290	-6.250	-15.240	0.50	20.00	17.13	9.54
				251.830	13.910	4.350	0.50	20.00	6.92	19.75
								20.00	17.13	19.75
8	M	0.80	0.80	225.350	4.150	-18.424	0.50	32.00	31.46	11.21
				408.010	4.150	22.290	0.50	32.00	31.63	11.04
				407.110	-17.660	2.760	0.50	32.00	10.93	31.74
								32.00	31.63	31.74
8	L	0.80	0.80	228.651	-4.160	-18.444	0.50	32.00	31.46	11.21
				409.970	-4.160	22.310	0.50	32.00	31.63	11.04
				410.200	17.620	2.760	0.50	32.00	10.93	31.74
								32.00	31.63	31.74
8	K	0.50	0.80	122.704	6.250	-11.974	0.50	20.00	15.35	11.32
				223.030	6.250	-15.000	0.50	20.00	17.04	9.63
				248.010	-13.880	4.130	0.50	20.00	6.90	19.77

							20.00	17.04	19.77	
9	N	0.50	0.50	49.312	-4.650	-5.420	0.50	12.50	9.43	7.23
				94.900	-4.650	-5.830	0.50	12.50	9.85	6.82
				94.110	-9.240	-1.310	0.50	12.50	4.25	12.42
								12.50	9.85	12.42
9	N	0.80	0.50	73.469	5.760	-11.366	0.50	20.00	19.33	7.34
				189.120	-4.850	13.560	0.50	20.00	19.67	7.00
				156.690	13.970	-6.250	0.50	20.00	10.08	16.58
								20.00	19.67	16.58
9	L	0.80	0.50	75.871	-5.760	-11.506	0.50	20.00	19.35	7.32
				192.610	4.850	13.630	0.50	20.00	19.67	7.00
				159.810	-13.970	-6.250	0.50	20.00	10.08	16.58
								20.00	19.67	16.58
9	K	0.50	0.50	46.989	4.650	-5.159	0.50	12.50	9.11	7.55
				92.280	4.650	-5.510	0.50	12.50	9.53	7.13
				91.510	9.230	-0.990	0.50	12.50	4.21	12.45
								12.50	9.53	12.45

9T50P516.66H510V63618D

BİLSAR A.Ş. MÜHENDİSLİK PROGRAMLARI (0212) 221 29 98 . HER HAKKI SAKLIDIR. SADECE TEM MÜHENDİSLİK LTD. TARAFINDAN KULLANILIR

S.S. KARAKÖY PERŞEMBE PAZARI TüCCARLARI TOPLU İŞYERİ YAPI KOOPERATİFİ 8.KAT KOLON ÇÖZÜMLERİ

BETON =		B520		DEMİR =		3650.0							
KOLON	B	D	N	MX	MY	Ro	As	Asb	Asd	Köşe	B	D	ETR
4	N	0.50	0.50	64.148	5.370	-4.349	0.50	12.50	6.90	9.77			
				84.360	-5.400	5.340	0.50	12.50	8.24	8.43			
				83.740	-9.530	1.320	0.50	12.50	4.25	12.42			
								12.50	8.24	12.42			
4	M	0.80	0.50	95.814	-5.710	-9.384	0.50	20.00	19.04	7.63			
				149.950	-5.710	-12.410	0.50	20.00	19.45	7.22			
				124.850	12.570	1.860	0.50	20.00	7.04	19.63			
								20.00	19.45	19.63			
4	L	0.80	0.50	98.857	5.720	-9.434	0.50	20.00	19.04	7.62			
				153.340	5.720	-12.460	0.50	20.00	19.45	7.22			
				127.960	-12.580	2.390	0.50	20.00	7.28	19.38			
								20.00	19.45	19.38			
4	K	0.50	0.50	62.168	-5.370	-4.088	0.50	12.50	6.58	10.09			
				82.120	5.400	5.020	0.50	12.50	7.77	8.90			
				81.500	9.530	1.000	0.50	12.50	4.21	12.45			
								12.50	7.77	12.45			
5	N	0.50	0.80	103.639	6.250	-8.270	0.50	20.00	11.23	15.44			
				181.730	-6.250	13.870	0.50	20.00	16.53	10.13			
				163.270	-13.970	4.710	0.50	20.00	6.96	19.70			
								20.00	16.53	19.70			
5	M	0.80	0.80	193.312	4.120	-14.550	0.50	32.00	31.14	11.52			
				335.430	4.120	21.660	0.50	32.00	31.61	11.05			
				337.690	-18.030	4.370	0.50	32.00	11.29	31.37			
								32.00	31.61	31.37			
5	L	0.80	0.80	195.383	-4.120	-14.821	0.50	32.00	31.18	11.49			
				338.650	-4.120	21.460	0.50	32.00	31.61	11.06			
				338.590	-21.300	5.100	0.50	32.00	11.28	31.39			
								32.00	31.61	31.39			
5	K	0.50	0.80	99.967	-6.250	-8.113	0.50	20.00	11.05	15.61			
				177.970	6.250	13.620	0.50	20.00	16.41	10.26			
				159.160	13.990	4.450	0.50	20.00	6.93	19.74			
								20.00	16.41	19.74			
6	N	0.50	0.80	107.414	-6.230	-11.228	0.50	20.00	14.75	11.92			
				193.090	-6.230	-14.510	0.50	20.00	16.85	9.81			
				175.220	-13.590	-5.370	0.50	20.00	7.07	19.59			

								20.00	16.85	19.59
6	M	0.80	0.80	205.753	4.130	-17.241	0.50	32.00	31.39	11.28
				379.210	4.130	-21.010	0.50	32.00	31.59	11.08
				379.320	21.190	-4.030	0.50	32.00	11.05	31.61
								32.00	31.59	31.61
6	L	0.80	0.80	205.918	-4.130	-17.242	0.50	32.00	31.39	11.28
				379.450	-4.130	-21.010	0.50	32.00	31.59	11.08
				379.680	-21.190	-4.020	0.50	32.00	11.05	31.62
								32.00	31.59	31.62
6	K	0.50	0.80	103.292	6.230	-11.157	0.50	20.00	14.68	11.99
				188.790	6.230	-14.320	0.50	20.00	16.77	9.90
				171.250	13.590	-5.170	0.50	20.00	7.04	19.62
								20.00	16.77	19.62
7	N	0.50	0.80	102.430	6.230	-8.359	0.50	20.00	11.35	15.31
				180.510	-6.230	14.050	0.50	20.00	16.64	10.02
				162.640	-13.590	4.910	0.50	20.00	7.01	19.66
								20.00	16.64	19.66
7	M	0.80	0.80	205.682	4.130	-17.061	0.50	32.00	31.37	11.29
				379.090	4.130	-20.680	0.50	32.00	31.57	11.09
				379.100	21.190	-3.700	0.50	32.00	10.99	31.67
								32.00	31.57	31.67
7	L	0.80	0.80	205.427	-4.130	-17.080	0.50	32.00	31.38	11.29
				378.920	-4.130	-20.700	0.50	32.00	31.58	11.09
				379.470	-21.190	-3.710	0.50	32.00	10.99	31.67
								32.00	31.58	31.67
7	K	0.50	0.80	98.353	-6.230	-8.266	0.50	20.00	11.25	15.42
				176.230	6.230	13.900	0.50	20.00	16.57	10.10
				158.690	13.580	4.750	0.50	20.00	6.99	19.68
								20.00	16.57	19.68
8	N	0.50	0.80	108.527	-6.260	-11.149	0.50	20.00	14.62	12.05
				194.550	-6.260	-14.340	0.50	20.00	16.75	9.92
				176.090	-14.000	-5.180	0.50	20.00	7.02	19.64
								20.00	16.75	19.64
8	M	0.80	0.80	190.466	4.480	-18.321	0.50	32.00	31.36	11.30
				341.150	4.480	-22.100	0.50	32.00	31.56	11.10
				343.410	-18.030	-3.740	0.50	32.00	11.13	31.54
								32.00	31.56	31.54
8	L	0.80	0.80	193.588	-4.480	-18.070	0.50	32.00	31.34	11.32
				344.330	-4.480	-21.910	0.50	32.00	31.55	11.11
				346.410	18.050	-3.740	0.50	32.00	11.12	31.54
								32.00	31.55	31.54
8	K	0.50	0.80	104.900	6.260	-11.024	0.50	20.00	14.50	12.17
				190.920	6.260	-14.050	0.50	20.00	16.61	10.05
				172.110	13.980	-4.880	0.50	20.00	6.98	19.68

								20.00	16.61	19.68
9	N	0.50	0.50	43.231	-4.650	-4.910	0.50	12.50	8.76	7.90
				82.280	-4.650	-5.320	0.50	12.50	9.32	7.35
				81.660	-8.780	-1.310	0.50	12.50	4.26	12.41
								12.50	9.32	12.41
9	M	0.80	0.50	61.767	6.710	-7.998	0.50	20.00	18.17	8.50
				152.290	-5.760	12.610	0.50	20.00	19.46	7.21
				127.190	12.410	-1.850	0.50	20.00	7.05	19.62
								20.00	19.46	19.62
9	L	0.80	0.50	64.259	-6.710	-8.529	0.50	20.00	18.39	8.28
				155.690	5.760	12.660	0.50	20.00	19.46	7.21
				130.310	-12.410	-2.380	0.50	20.00	7.29	19.37
								20.00	19.46	19.37
9	K	0.50	0.50	41.251	4.650	-4.659	0.50	12.50	8.35	8.32
				80.050	4.650	-5.010	0.50	12.50	8.91	7.76
				79.430	8.780	-0.990	0.50	12.50	4.22	12.45
								12.50	8.91	12.45

9Ts0Ps16.66Hs10Vx3618D

BİLSAR A.Ş. MÜHENDİSLİK PROGRAMLARI (0212) 221 29 98 . HER HAKKI SAKLIDIR. SADECE TEM MÜHENDİSLİK LTD. TARAFINDAN KULLANILIR

5.5. KARAKÖY PERŞEMBE PAZARI TUCARLARI TOPLU İŞYERİ YAPI KOOPERATİFİ 9.KAT KOLON ÇÖZÜMLERİ

BETON = RS20 DEMİR = 3650.0

KOLON	B	D	N	MX	MY	Ro	As	Asb	Asd	Köşe	B	D	EİK
4	N	0.50	0.50	52.243	5.400	-3.979	0.50	12.50	6.43	10.24			
				71.060	-6.240	5.230	0.50	12.50	7.09	9.57			
				70.630	-10.000	1.520	0.50	12.50	4.26	12.40			
								12.50	7.09	12.40			
4	M	0.80	0.50	79.604	-6.860	-6.607	0.50	20.00	17.19	9.47			
				120.070	1.490	6.960	0.50	20.00	19.88	6.79			
				108.910	12.790	6.960	0.50	20.00	11.72	14.95			
								20.00	19.88	14.95			
4	L	0.80	0.50	81.913	6.870	-7.058	0.50	20.00	17.53	9.13			
				75.033	2.644	6.960	0.50	20.00	19.62	7.04			
				122.410	8.820	-2.390	0.50	20.00	7.92	18.75			
								20.00	19.62	18.75			
4	K	0.50	0.50	50.596	6.240	-2.990	0.50	12.50	5.12	11.54			
				69.200	6.240	4.830	0.50	12.50	6.66	10.00			
				68.770	10.000	1.120	0.50	12.50	4.22	12.45			
								12.50	6.66	12.45			
5	N	0.50	0.80	86.108	6.250	-7.370	0.50	20.00	10.29	16.38			
				151.120	-7.170	13.740	0.50	20.00	15.35	11.31			
				164.600	12.410	-4.710	0.50	20.00	7.04	19.62			
								20.00	15.35	19.62			
5	M	0.80	0.80	161.952	5.270	-15.816	0.50	32.00	30.82	11.85			
				285.760	5.270	-20.660	0.50	32.00	31.31	11.36			
				284.530	21.190	-5.510	0.50	32.00	11.39	31.28			
								32.00	31.31	31.28			
5	L	0.80	0.80	163.465	-5.270	-15.816	0.50	32.00	30.82	11.85			
				287.330	-5.270	-20.660	0.50	32.00	31.31	11.36			
				286.270	-21.190	-5.510	0.50	32.00	11.39	31.28			
								32.00	31.31	31.28			
5	K	0.50	0.80	83.048	7.170	-5.993	0.50	20.00	8.49	18.18			
				148.000	7.170	13.350	0.50	20.00	15.08	11.59			
				161.750	-12.420	-4.450	0.50	20.00	7.00	19.67			
								20.00	15.08	19.67			
6	N	0.50	0.80	89.135	-7.170	-10.556	0.50	20.00	12.31	14.36			
				160.520	-7.170	-14.580	0.50	20.00	15.87	10.79			
				173.390	12.080	5.370	0.50	20.00	7.18	19.49			

								20.00	15.87	19.49
6	M	0.80	0.80	170.996	5.250	-15.530	0.50	32.00	30.78	11.89
				315.930	5.250	-20.140	0.50	32.00	31.28	11.39
				316.100	20.540	-4.790	0.50	32.00	11.25	31.42
								32.00	31.28	31.42
6	L	0.80	0.80	171.150	-5.250	-15.540	0.50	32.00	30.78	11.88
				316.160	-5.250	-20.150	0.50	32.00	31.28	11.39
				316.390	-20.540	-4.790	0.50	32.00	11.25	31.42
								32.00	31.28	31.42
6	K	0.50	0.80	85.697	7.170	-10.439	0.50	20.00	12.19	14.48
				156.950	7.170	-14.280	0.50	20.00	15.70	10.97
				169.560	-12.090	5.170	0.50	20.00	7.14	19.52
								20.00	15.70	19.52
7	N	0.50	0.80	84.988	6.230	-7.449	0.50	20.00	10.39	16.28
				150.040	-7.170	14.030	0.50	20.00	15.54	11.12
				162.910	12.080	-4.910	0.50	20.00	7.10	19.57
								20.00	15.54	19.57
7	M	0.80	0.80	170.968	5.250	-15.566	0.50	32.00	30.79	11.88
				315.870	5.250	-20.190	0.50	32.00	31.28	11.39
				315.960	20.540	-4.840	0.50	32.00	11.26	31.41
								32.00	31.28	31.41
7	L	0.80	0.80	170.742	-5.250	-15.576	0.50	32.00	30.79	11.88
				315.720	-5.250	-20.200	0.50	32.00	31.28	11.39
				316.250	-20.540	-4.840	0.50	32.00	11.26	31.41
								32.00	31.28	31.41
7	K	0.50	0.80	81.595	-6.230	-7.396	0.50	20.00	10.34	16.33
				146.490	7.170	13.790	0.50	20.00	15.39	11.28
				159.100	-12.090	-4.750	0.50	20.00	7.07	19.60
								20.00	15.39	19.60
8	N	0.50	0.80	90.121	-7.190	-10.412	0.50	20.00	12.13	14.54
				161.820	-7.190	-14.310	0.50	20.00	15.69	10.98
				175.300	12.430	5.180	0.50	20.00	7.12	19.55
								20.00	15.69	19.55
8	M	0.80	0.80	160.014	5.280	-14.898	0.50	32.00	30.66	12.01
				290.090	5.280	19.910	0.50	32.00	31.25	11.42
				288.860	21.200	4.760	0.50	32.00	11.20	31.46
								32.00	31.25	31.46
8	L	0.80	0.80	162.407	-5.280	-14.898	0.50	32.00	30.66	12.01
				291.620	-5.280	19.910	0.50	32.00	31.25	11.42
				290.560	-21.200	4.760	0.50	32.00	11.20	31.46
								32.00	31.25	31.46
8	K	0.50	0.80	87.115	7.190	-10.223	0.50	20.00	11.93	14.74
				158.830	7.190	-13.880	0.50	20.00	15.42	11.25
				172.580	-12.420	4.880	0.50	20.00	7.07	19.60

								20.00	15.42	19.60
9	N	0.50	0.50	36.821	-5.320	-4.736	0.50	12.50	7.47	9.20
				69.320	-5.320	-5.220	0.50	12.50	8.18	8.49
				68.890	-9.080	-1.510	0.50	12.50	4.28	12.38
								12.50	8.18	12.38
9	M	0.80	0.50	54.820	7.150	-10.197	0.50	20.00	18.72	7.95
				122.590	1.500	-7.180	0.50	20.00	19.89	6.78
				111.430	12.800	-7.180	0.50	20.00	12.04	14.63
								20.00	19.89	14.63
9	L	0.80	0.50	56.669	-7.150	-10.297	0.50	20.00	18.74	7.92
				124.930	-1.500	-7.180	0.50	20.00	19.89	6.78
				113.770	-12.800	-7.180	0.50	20.00	12.04	14.63
								20.00	19.89	14.63
9	K	0.50	0.50	35.174	5.320	-4.421	0.50	12.50	7.04	9.62
				67.470	5.320	-4.820	0.50	12.50	7.59	9.08
				67.040	9.080	-1.110	0.50	12.50	4.23	12.44
								12.50	7.59	12.44

9Ts0Ps16.66Hs10Vv3618D

BİLSAR A.Ş. MÜHENDİSLİK PROGRAMLARI (0212) 221 29 98 . HER HAKKI SAKLIDIR. SADECE TEM MÜHENDİSLİK LTD. TARAFINDAN KULLANILIR

S.S. KARAKÖY PERŞEMBE PAZARI TÜCCARLARI TOPLU İŞYERİ YAPI KOOPERATİFİ 10.KAT KOLON ÇÖZÜMLERİ

BETON = BS20 DEMİR = 3650.0

KOLON	B	D	N	MX	MY	Ro	As	Asb	Asd	Köşe	B	D	ETK
4	N	0.45	0.45	40.668	4.090	-3.174	0.50	10.12	5.41	8.09			
				66.730	4.090	-3.490	0.50	10.12	5.83	7.67			
				57.110	-7.940	1.180	0.50	10.12	3.45	10.05			
								10.12	5.83	10.05			
4	M	0.70	0.45	58.403	-4.300	-6.735	0.50	15.75	14.87	6.13			
				92.590	-4.300	-8.970	0.50	15.75	15.25	5.75			
				80.400	11.490	5.270	0.50	15.75	7.92	13.08			
								15.75	15.25	13.08			
4	L	0.70	0.45	60.632	4.300	-6.795	0.50	15.75	14.88	6.12			
				95.070	4.300	-9.030	0.50	15.75	15.26	5.74			
				82.730	-11.490	5.270	0.50	15.75	7.92	13.08			
								15.75	15.26	13.08			
4	K	0.45	0.45	39.345	4.930	-2.469	0.50	10.12	4.22	9.28			
				65.240	-4.090	-3.220	0.50	10.12	5.47	8.03			
				55.620	7.940	0.840	0.50	10.12	3.41	10.09			
								10.12	5.47	10.09			
5	N	0.45	0.70	60.521	-5.440	-5.324	0.50	15.75	7.33	13.67			
				120.480	-5.440	11.390	0.50	15.75	12.85	8.15			
				129.490	9.200	-3.460	0.50	15.75	5.56	15.44			
								15.75	12.85	15.44			
5	M	0.70	0.70	126.630	4.230	-13.102	0.50	24.50	23.65	9.02			
				219.700	-3.090	12.820	0.50	24.50	24.03	8.64			
				220.830	-12.960	3.230	0.50	24.50	8.67	23.99			
								24.50	24.03	23.99			
5	L	0.70	0.70	128.303	-4.230	-13.102	0.50	24.50	23.65	9.02			
				221.980	3.090	12.820	0.50	24.50	24.03	8.64			
				223.020	12.970	3.230	0.50	24.50	8.67	23.99			
								24.50	24.03	23.99			
5	K	0.45	0.70	66.082	5.440	-5.468	0.50	15.75	7.44	13.56			
				118.000	5.440	11.050	0.50	15.75	12.67	8.33			
				127.200	-9.210	-3.230	0.50	15.75	5.52	15.48			
								15.75	12.67	15.48			

6	N	0.45	0.70	70.866	-5.420	-9.009	0.50	15.75	11.15	9.85
				127.950	-5.420	-12.150	0.50	15.75	13.22	7.78
				136.500	9.000	3.970	0.50	15.75	5.67	15.33
								15.75	13.22	15.33
6	M	0.70	0.70	136.265	4.210	-12.637	0.50	24.50	23.59	9.07
				252.590	-3.080	12.390	0.50	24.50	24.00	8.67
				252.700	16.500	-3.620	0.50	24.50	8.56	24.11
								24.50	24.00	24.11
6	L	0.70	0.70	136.330	-4.210	-12.637	0.50	24.50	23.59	9.07
				252.490	3.080	12.390	0.50	24.50	24.00	8.67
				252.890	-16.500	-3.620	0.50	24.50	8.56	24.11
								24.50	24.00	24.11
6	K	0.45	0.70	68.112	5.420	-8.892	0.50	15.75	11.03	9.97
				125.100	5.420	-11.850	0.50	15.75	13.09	7.91
				133.470	-8.990	3.790	0.50	15.75	5.64	15.36
								15.75	13.09	15.36
7	N	0.45	0.70	67.545	-5.420	-5.193	0.50	15.75	7.24	13.76
				119.570	-5.420	11.740	0.50	15.75	13.04	7.96
				128.120	9.000	-3.630	0.50	15.75	5.60	15.40
								15.75	13.04	15.40
7	M	0.70	0.70	136.219	4.210	-12.691	0.50	24.50	23.60	9.07
				252.350	-3.080	12.420	0.50	24.50	24.00	8.67
				252.540	16.500	-3.700	0.50	24.50	8.58	24.09
								24.50	24.00	24.09
7	L	0.70	0.70	136.064	-4.210	-12.691	0.50	24.50	23.60	9.07
				252.480	3.080	12.420	0.50	24.50	24.00	8.67
				252.740	-16.500	-3.700	0.50	24.50	8.58	24.09
								24.50	24.00	24.09
7	K	0.45	0.70	64.827	5.420	-5.292	0.50	15.75	7.32	13.68
				116.740	5.420	11.490	0.50	15.75	12.92	8.08
				125.110	-8.990	-3.490	0.50	15.75	5.58	15.42
								15.75	12.92	15.42
8	N	0.45	0.70	71.708	-5.440	-8.816	0.50	15.75	10.91	10.09
				129.060	-5.440	-11.830	0.50	15.75	13.06	7.94
				138.070	9.210	3.800	0.50	15.75	5.62	15.38
								15.75	13.06	15.38
8	M	0.70	0.70	125.019	4.240	-12.175	0.50	24.50	23.51	9.16
				224.040	-3.100	-12.380	0.50	24.50	23.99	8.68
				225.170	-12.980	-2.790	0.50	24.50	8.54	24.12
								24.50	23.99	24.12
8	L	0.70	0.70	127.252	-4.240	-12.175	0.50	24.50	23.51	9.16
				226.290	3.100	-12.380	0.50	24.50	23.99	8.68
				227.330	12.980	-2.790	0.50	24.50	8.54	24.12
								24.50	23.99	24.12

8	K	0.45	0.70	69.305	5.440	-8.645	0.50	15.75	10.72	10.28
				126.680	5.440	-11.430	0.50	15.75	12.87	8.13
				135.880	-9.200	3.550	0.50	15.75	5.57	15.43
								15.75	12.87	15.43
9	N	0.45	0.45	30.090	-4.120	-3.792	0.50	10.12	6.23	7.27
				56.050	-4.120	-4.170	0.50	10.12	6.83	6.67
				55.730	-7.130	-1.170	0.50	10.12	3.47	10.03
								10.12	6.83	10.03
9	N	0.70	0.45	41.812	5.690	-7.894	0.50	15.75	14.62	6.38
				93.590	-4.310	9.110	0.50	15.75	15.26	5.74
				81.400	11.420	-5.440	0.50	15.75	8.13	12.87
								15.75	15.26	12.87
9	L	0.70	0.45	43.732	-5.690	-8.004	0.50	15.75	14.65	6.35
				96.060	4.310	9.170	0.50	15.75	15.27	5.73
				83.720	-11.420	-5.440	0.50	15.75	8.13	12.87
								15.75	15.27	12.87
9	K	0.45	0.45	28.767	4.120	-3.522	0.50	10.12	5.84	7.66
				54.560	4.120	-3.830	0.50	10.12	6.29	7.21
				54.240	7.130	-0.830	0.50	10.12	3.42	10.08
								10.12	6.29	10.08

9T50P516.66H510V53618D

BİLSAR A.Ş. MÜHENDİSLİK PROGRAMLARI (0212) 221 29 98 . HER HAKKI SAKLIDIR. SADECE TEM MÜHENDİSLİK LTD. TARAFINDAN KULLANILIR

S.S. KARAKÖY PERŞEMBE PAZARI TüCCARLARI TOPLU İŞYERİ YAPI KOOPERATİFİ 11.KAT KOLON ÇÖZÜMLERİ

BETON =			BS20		DEMİR =		3650.0						
KOLON	B	D	N	MX	MY	Ro	As	Asb	Asd	Köşe	B	D	ETR
4	N	0.45	0.45	29.818	4.930	-2.821	0.50	10.12	4.48	9.02			
				43.770	-4.980	3.680	0.50	10.12	5.22	8.28			
				43.540	-7.530	1.180	0.50	10.12	3.46	10.04			
								10.12	5.22	10.04			
4	M	0.70	0.45	38.557	-5.760	-6.251	0.50	15.75	13.91	7.09			
				59.810	-5.760	-8.920	0.50	15.75	14.85	6.15			
				52.090	10.800	1.570	0.50	15.75	5.52	15.48			
								15.75	14.85	15.48			
4	L	0.70	0.45	40.707	5.760	-6.271	0.50	15.75	13.92	7.08			
				62.210	5.760	-8.940	0.50	15.75	14.85	6.15			
				54.410	-10.800	2.070	0.50	15.75	5.72	15.28			
								15.75	14.85	15.28			
4	K	0.45	0.45	28.828	-4.930	-2.551	0.50	10.12	4.28	9.22			
				42.650	4.980	3.340	0.50	10.12	4.89	8.61			
				42.420	7.530	0.840	0.50	10.12	3.42	10.08			
								10.12	4.89	10.08			
5	N	0.45	0.70	51.407	5.440	-5.356	0.50	15.75	7.35	13.65			
				90.430	-5.440	10.300	0.50	15.75	12.21	8.79			
				85.150	-9.940	4.410	0.50	15.75	5.68	15.32			
								15.75	12.21	15.32			
5	M	0.70	0.70	91.989	4.230	-8.679	0.50	24.50	22.56	10.11			
				156.210	4.230	14.920	0.50	24.50	23.84	8.82			
				156.580	14.740	4.720	0.50	24.50	9.00	23.66			
								24.50	23.84	23.66			
5	L	0.70	0.70	93.792	-4.230	-8.913	0.50	24.50	22.66	10.01			
				158.350	-4.230	14.770	0.50	24.50	23.83	8.84			
				158.450	-14.740	4.570	0.50	24.50	8.95	23.71			
								24.50	23.83	23.71			
5	K	0.45	0.70	49.580	-5.440	-5.212	0.50	15.75	7.24	13.76			
				88.580	5.440	9.960	0.50	15.75	11.96	9.04			
				83.180	9.960	4.070	0.50	15.75	5.61	15.39			
								15.75	11.96	15.39			

6	N	0.45	0.70	53.145	-5.420	-7.909	0.50	15.75	9.87	11.13
				95.980	-5.420	-11.050	0.50	15.75	12.69	8.31
				90.830	-9.720	-5.130	0.50	15.75	5.85	15.15
								15.75	12.69	15.15
6	M	0.70	0.70	102.399	4.210	-10.830	0.50	24.50	23.27	9.40
				189.770	4.210	-14.350	0.50	24.50	23.80	8.87
				189.900	14.530	-3.790	0.50	24.50	8.72	23.94
								24.50	23.80	23.94
6	L	0.70	0.70	102.395	-4.210	-10.812	0.50	24.50	23.26	9.40
				189.820	-4.210	-14.330	0.50	24.50	23.80	8.87
				190.010	-14.530	-3.770	0.50	24.50	8.72	23.95
								24.50	23.80	23.95
6	K	0.45	0.70	51.084	5.420	-7.792	0.50	15.75	9.73	11.27
				93.850	5.420	-10.750	0.50	15.75	12.52	8.48
				88.820	9.720	-4.830	0.50	15.75	5.79	15.21
								15.75	12.52	15.21
7	N	0.45	0.70	50.661	5.420	-5.567	0.50	15.75	7.54	13.46
				89.700	-5.420	10.640	0.50	15.75	12.45	8.55
				84.550	-9.720	4.720	0.50	15.75	5.76	15.24
								15.75	12.45	15.24
7	M	0.70	0.70	102.297	4.210	-10.587	0.50	24.50	23.21	9.46
				189.640	4.210	-13.910	0.50	24.50	23.75	8.91
				189.710	14.530	-3.350	0.50	24.50	8.60	24.07
								24.50	23.75	24.07
7	L	0.70	0.70	102.202	-4.210	-10.605	0.50	24.50	23.21	9.45
				189.600	-4.210	-13.930	0.50	24.50	23.75	8.91
				189.830	-14.530	-3.370	0.50	24.50	8.61	24.06
								24.50	23.75	24.06
7	K	0.45	0.70	48.627	-5.420	-5.468	0.50	15.75	7.46	13.54
				87.590	5.420	10.390	0.50	15.75	12.29	8.71
				82.560	9.720	4.470	0.50	15.75	5.71	15.29
								15.75	12.29	15.29
8	N	0.45	0.70	53.830	-5.460	-7.726	0.50	15.75	9.59	11.41
				96.870	-5.460	-10.740	0.50	15.75	12.47	8.53
				91.590	-9.980	-4.850	0.50	15.75	5.76	15.24
								15.75	12.47	15.24
8	M	0.70	0.70	90.747	4.530	-11.865	0.50	24.50	23.31	9.36
				160.540	4.530	-15.300	0.50	24.50	23.78	8.88
				161.610	-11.920	-3.840	0.50	24.50	9.01	23.65
								24.50	23.78	23.65
8	L	0.70	0.70	92.841	-4.530	-11.631	0.50	24.50	23.26	9.41
				162.640	-4.530	-15.160	0.50	24.50	23.77	8.90
				163.680	11.920	-3.840	0.50	24.50	9.01	23.65
								24.50	23.77	23.65

8	K	0.45	0.70	52.030	5.460	-7.555	0.50	15.75	9.40	11.60
				95.100	5.460	-10.340	0.50	15.75	12.21	8.79
				89.700	9.960	-4.450	0.50	15.75	5.68	15.32
								15.75	12.21	15.32
9	N	0.45	0.45	23.255	-4.140	-3.292	0.50	10.12	5.51	7.99
				42.720	-4.140	-3.670	0.50	10.12	6.03	7.47
				42.490	-6.690	-1.170	0.50	10.12	3.48	10.02
								10.12	6.03	10.02
9	H	0.70	0.45	28.403	6.650	-5.153	0.50	15.75	12.14	8.86
				59.220	-5.690	9.090	0.50	15.75	14.90	6.10
				51.500	10.540	-1.560	0.50	15.75	5.53	15.47
								15.75	14.90	15.47
9	L	0.70	0.45	30.393	-6.650	-5.636	0.50	15.75	12.73	8.27
				61.610	5.690	9.110	0.50	15.75	14.90	6.10
				53.810	-10.540	-2.070	0.50	15.75	5.74	15.26
								15.75	14.90	15.26
9	K	0.45	0.45	22.265	4.140	-3.022	0.50	10.12	5.17	8.33
				41.610	4.140	-3.330	0.50	10.12	5.56	7.94
				41.380	6.690	-0.830	0.50	10.12	3.43	10.07
								10.12	5.56	10.07

9TsOPs16.66Hs10Vh3618D

BİLSAR A.Ş. MÜHENDİSLİK PROGRAMLARI (0212) 221 29 98 . HER HAKKI SAKLIDIR. SADECE TEM MÜHENDİSLİK LTD. TARAFINDAN KULLANILIR

S.S. KARAKÖY PERŞEMBE PAZARI TüCCARLARI TOPLU İŞYERİ YAPI KOOPERATİFİ 12.KAT KOLON ÇÖZÜMLERİ

BETON =		BS20		DEMİR =		3650.0							
KOLON	B	D	N	MX	MY	Ro	As	Asb	Asd	Köşe	B	D	ETR
4	N	0.45	0.45	19.389	4.980	-2.161	0.50	10.12	4.01	9.49			
				29.660	-4.980	3.090	0.50	10.12	4.67	8.83			
				29.550	-6.900	1.180	0.50	10.12	3.47	10.03			
								10.12	4.67	10.03			
4	M	0.70	0.45	24.907	-6.910	-3.342	0.50	15.75	8.22	12.78			
				34.540	6.910	4.590	0.50	15.75	10.83	10.17			
				35.340	10.380	1.570	0.50	15.75	5.54	15.46			
								15.75	10.83	15.46			
4	L	0.70	0.45	26.324	6.910	-3.765	0.50	15.75	9.02	11.98			
				36.040	-6.910	5.160	0.50	15.75	11.86	9.14			
				36.880	-10.380	2.070	0.50	15.75	5.76	15.24			
								15.75	11.86	15.24			
4	K	0.45	0.45	18.732	-4.980	-1.891	0.50	10.12	3.86	9.64			
				28.920	4.980	2.750	0.50	10.12	4.40	9.10			
				28.810	6.900	0.840	0.50	10.12	3.43	10.07			
								10.12	4.40	10.07			
5	N	0.45	0.70	34.313	5.440	-3.976	0.50	15.75	6.41	14.59			
				60.370	-5.440	9.270	0.50	15.75	11.38	9.62			
				57.800	-8.810	4.410	0.50	15.75	5.79	15.21			
								15.75	11.38	15.21			
5	M	0.70	0.70	61.381	4.230	-6.539	0.50	24.50	21.08	11.58			
				104.630	4.230	12.780	0.50	24.50	23.61	9.06			
				104.840	12.530	4.720	0.50	24.50	9.33	23.34			
								24.50	23.61	23.34			
5	L	0.70	0.70	62.606	-4.230	-6.773	0.50	24.50	21.31	11.35			
				106.030	-4.230	12.630	0.50	24.50	23.58	9.08			
				106.100	-12.530	4.570	0.50	24.50	9.25	23.41			
								24.50	23.58	23.41			
5	K	0.45	0.70	33.089	-5.440	-3.832	0.50	15.75	6.33	14.67			
				59.140	5.440	8.930	0.50	15.75	11.04	9.96			
				56.510	8.830	4.070	0.50	15.75	5.71	15.29			
								15.75	11.04	15.29			

6	N	0.45	0.70	35.424	-5.420	-6.849	0.50	15.75	8.71	12.29
				64.010	-5.420	-9.990	0.50	15.75	12.01	8.99
				61.490	-8.640	-5.130	0.50	15.75	6.01	14.99
								15.75	12.01	14.99
6	M	0.70	0.70	68.371	4.210	-8.600	0.50	24.50	22.54	10.12
				126.860	4.210	-12.120	0.50	24.50	23.51	9.15
				126.940	12.390	-3.790	0.50	24.50	8.93	23.74
								24.50	23.51	23.74
6	L	0.70	0.70	68.365	-4.210	-8.582	0.50	24.50	22.53	10.13
				126.900	-4.210	-12.100	0.50	24.50	23.51	9.16
				127.010	-12.390	-3.770	0.50	24.50	8.92	23.74
								24.50	23.51	23.74
6	K	0.45	0.70	34.047	5.420	-6.732	0.50	15.75	8.60	12.40
				62.600	5.420	-9.690	0.50	15.75	11.78	9.22
				60.140	8.640	-4.830	0.50	15.75	5.93	15.07
								15.75	11.78	15.07
7	N	0.45	0.70	33.768	5.420	-4.167	0.50	15.75	6.53	14.47
				59.820	-5.420	9.580	0.50	15.75	11.68	9.32
				57.300	-8.640	4.720	0.50	15.75	5.90	15.10
								15.75	11.68	15.10
7	M	0.70	0.70	68.312	4.210	-8.357	0.50	24.50	22.43	10.24
				126.790	4.210	-11.680	0.50	24.50	23.44	9.23
				126.830	12.390	-3.350	0.50	24.50	8.76	23.90
								24.50	23.44	23.90
7	L	0.70	0.70	68.246	-4.210	-8.375	0.50	24.50	22.44	10.23
				126.760	-4.210	-11.700	0.50	24.50	23.44	9.22
				126.890	-12.390	-3.370	0.50	24.50	8.77	23.90
								24.50	23.44	23.90
7	K	0.45	0.70	32.418	-5.420	-4.068	0.50	15.75	6.47	14.53
				58.430	5.420	9.330	0.50	15.75	11.46	9.54
				55.970	8.640	4.470	0.50	15.75	5.83	15.17
								15.75	11.46	15.17
8	N	0.45	0.70	35.941	-5.460	-6.696	0.50	15.75	8.51	12.49
				64.680	-5.460	-9.710	0.50	15.75	11.73	9.27
				62.110	-8.850	-4.850	0.50	15.75	5.90	15.10
								15.75	11.73	15.10
8	M	0.70	0.70	60.767	4.530	-9.725	0.50	24.50	22.73	9.94
				107.520	4.530	-13.160	0.50	24.50	23.53	9.13
				107.730	12.830	-5.100	0.50	24.50	9.46	23.21
								24.50	23.53	23.21
8	L	0.70	0.70	62.152	-4.530	-9.491	0.50	24.50	22.64	10.03
				108.900	-4.530	-13.020	0.50	24.50	23.51	9.16
				108.970	-12.830	-4.960	0.50	24.50	9.39	23.28
								24.50	23.51	23.28

8	K	0.45	0.70	34.744	5.460	-6.525	0.50	15.75	8.35	12.65
				63.500	5.460	-9.310	0.50	15.75	11.38	9.62
				60.870	8.830	-4.450	0.50	15.75	5.80	15.20
								15.75	11.38	15.20
9	N	0.45	0.45	15.990	-4.140	-2.702	0.50	10.12	4.81	8.69
				28.970	-4.140	-3.080	0.50	10.12	5.24	8.26
				28.860	-6.060	-1.170	0.50	10.12	3.50	10.00
								10.12	5.24	10.00
9	N	0.70	0.45	19.805	6.650	-4.073	0.50	15.75	10.02	10.98
				34.130	6.650	-4.580	0.50	15.75	11.18	9.82
				34.930	10.120	-1.560	0.50	15.75	5.55	15.45
								15.75	11.18	15.45
9	L	0.70	0.45	21.142	-6.650	-4.566	0.50	15.75	11.15	9.85
				35.630	-6.650	-5.160	0.50	15.75	12.15	8.85
				36.470	-10.120	-2.070	0.50	15.75	5.78	15.22
								15.75	12.15	15.22
9	K	0.45	0.45	15.333	4.140	-2.432	0.50	10.12	4.54	8.96
				28.230	4.140	-2.740	0.50	10.12	4.85	8.65
				28.120	6.060	-0.830	0.50	10.12	3.44	10.06
								10.12	4.85	10.06

9Ts0P=16.66H=10Vk3G18D

BİLSAR A.Ş. MÜHENDİSLİK PROGRAMLARI (0212) 221 29 98 . HER HAKKI SAKLIDIR. SADECE TEM MÜHENDİSLİK LTD. TARAFINDAN KULLANILIR

S.S. KARAKÖY PERŞEMBE PAZARI TUCCARLARI TOPLU İŞYERİ YAPI KOOPERATİFİ 13.KAT KOLON ÇÖZÜMLERİ

BETON = K820 DEMİR = 3650.0

KOLON	B	D	N	MX	MY	Ro	As	Asb	Asd	Köşe	B	D	ETR
4	H	0.45	0.45	22.846 9.509	-11.968 -2.680	2.528 1.740	0.63 0.50	12.75 10.12	4.44 4.80	12.56 8.70			
								12.75	4.80	12.56			
4	H	0.70	0.45	12.087 11.867 19.260	13.590 5.043 13.590	-0.556 2.150 0.190	0.50 0.50 0.50	15.75 15.75 15.75	5.27 7.56 5.25	15.73 13.44 15.75			
								15.75	7.56	15.75			
4	L	0.70	0.45	12.800 12.560	-13.590 -5.043	0.134 3.030	0.50 0.50	15.75 15.75	5.25 9.84	15.75 11.16			
								15.75	9.84	15.75			
4	K	0.45	0.45	22.312	11.968	1.642	0.61	12.34	4.19	12.27			
								12.34	4.19	12.27			
5	H	0.45	0.70	17.239 30.290	-7.980 -7.980	-0.092 10.590	0.50 0.50	15.75 15.75	5.25 9.07	15.75 11.93			
								15.75	9.07	15.75			
5	H	0.70	0.70	30.903 53.080 53.210	8.180 3.100 8.180	-2.729 7.570 2.600	0.50 0.50 0.50	24.50 24.50 24.50	9.08 23.13 8.99	23.59 9.54 23.67			
								24.50	23.13	23.67			
5	L	0.70	0.70	31.520 53.750 53.820	-8.180 -3.100 -8.180	-3.116 7.430 2.460	0.50 0.50 0.50	24.50 24.50 24.50	9.35 23.08 8.91	23.31 9.59 23.76			
								24.50	23.08	23.76			
5	K	0.45	0.70	16.627 29.680	7.980 7.980	-0.452 9.660	0.50 0.50	15.75 15.75	5.26 8.43	15.74 12.57			
								15.75	8.43	15.74			
6	H	0.45	0.70	17.703 18.493 17.703	-7.970 -1.765 -7.970	-6.514 -9.210 -0.614	0.50 0.50 0.50	15.75 15.75 15.75	6.70 15.28 5.26	14.30 5.72 15.74			
								15.75	15.28	15.74			
6	H	0.70	0.70	34.362 34.322 64.020	8.080 -3.661 13.100	-5.724 -6.550 -6.550	0.50 0.50 0.50	24.50 24.50 24.50	12.27 21.95 10.21	20.40 10.72 22.46			
								24.50	21.95	22.46			

6	L	0.70	0.70	34.344	-8.090	-5.679	0.50	24.50	12.19	20.48
				34.274	3.652	-6.530	0.50	24.50	21.95	10.72
				64.060	-13.110	-6.530	0.50	24.50	10.19	22.47
								24.50	21.95	22.47
6	K	0.45	0.70	17.010	7.970	-6.154	0.50	15.75	6.54	14.46
				17.780	1.765	-8.290	0.50	15.75	15.17	5.83
				17.010	7.970	-0.254	0.50	15.75	5.25	15.75
								15.75	15.17	15.75
7	N	0.45	0.70	16.884	-7.970	0.353	0.50	15.75	5.25	15.75
				17.674	-1.765	8.560	0.50	15.75	15.21	5.79
								15.75	15.21	15.75
7	M	0.70	0.70	34.317	8.080	-5.166	0.50	24.50	11.51	21.16
				34.277	-3.661	5.740	0.50	24.50	21.18	11.49
				63.930	8.080	0.520	0.50	24.50	8.20	24.47
								24.50	21.18	24.47
7	L	0.70	0.70	34.290	-8.090	-5.211	0.50	24.50	11.56	21.11
				34.220	3.652	5.720	0.50	24.50	21.17	11.50
				63.930	-8.090	0.500	0.50	24.50	8.20	24.47
								24.50	21.17	24.47
7	K	0.45	0.70	16.209	7.970	0.038	0.50	15.75	5.25	15.75
				29.250	7.970	10.710	0.50	15.75	9.17	11.83
								15.75	9.17	15.75
8	N	0.45	0.70	18.023	-8.020	-5.996	0.50	15.75	6.46	14.54
				33.310	-5.840	-8.400	0.50	15.75	9.74	11.26
				18.103	-8.020	-0.136	0.50	15.75	5.25	15.75
								15.75	9.74	15.75
8	M	0.70	0.70	30.657	8.540	-7.418	0.50	24.50	14.33	18.34
				30.827	-3.244	-8.150	0.50	24.50	23.21	9.46
				30.957	8.540	2.522	0.50	24.50	8.88	23.79
								24.50	23.21	23.79
8	L	0.70	0.70	31.354	-8.550	-7.049	0.50	24.50	13.72	18.95
				31.504	3.244	-8.050	0.50	24.50	23.17	9.49
				31.574	-8.550	2.891	0.50	24.50	9.10	23.57
								24.50	23.17	23.57
8	K	0.45	0.70	17.429	8.020	-5.591	0.50	15.75	6.30	14.70
				31.880	8.020	-10.260	0.50	15.75	8.80	12.20
				17.509	8.020	0.209	0.50	15.75	5.25	15.75
								15.75	8.80	15.75
9	N	0.45	0.45	8.235	-6.270	-2.384	0.50	10.12	3.86	9.64
				14.720	-6.270	-2.970	0.50	10.12	4.13	9.37
				9.135	-6.270	0.116	0.50	10.12	3.38	10.12
								10.12	4.13	10.12
9	M	0.70	0.45	10.368	12.540	-3.346	0.50	15.75	6.15	14.85
				11.588	4.359	-2.130	0.50	15.75	8.28	12.72

				19.020	12.540	-0.170	0.50	15.75	5.25	15.75
								15.75	8.28	15.75
9	L	0.70	0.45	11.041	-12.540	-4.105	0.50	15.75	6.61	14.39
				12.281	-4.359	-3.030	0.50	15.75	11.26	9.74
				12.521	-12.540	-0.125	0.50	15.75	5.25	15.75
								15.75	11.26	15.75
9	K	0.45	0.45	7.902	6.270	-1.907	0.50	10.12	3.69	9.81
				14.350	6.270	-2.350	0.50	10.12	3.85	9.65
				15.250	6.270	0.150	0.50	10.12	3.38	10.12
								10.12	3.85	10.12

SÜNEKLİK HESAPLARI

9Ts0Ps16.66Hs10Vv3G18D

BİLSAR A.Ş. MÜHENDİSLİK PROGRAMLARI (0212) 221 29 98 . HER HAKKI SAKLIDIR. SADECE TEM MÜHENDİSLİK LTD. TARAFINDAN KULLANILIR

S.S. KARAKÖY PERŞEMBE PAZARI TUCCARLARI TOPLU İŞYERİ YAPI KOOPERATİFİ 1. KAT SÜNEKLİK BİLGİLERİ

NOKTA NO		K i R i ş				K O L O N				Vis	K i R i ş				K O L O N				Vis
		SOL		SAĞ		TOPLAM		ÜST			SOL		SAĞ		TOPLAM		ÜST		
		ÜST	ALT	ÜST	ALT	*1.2					ÜST	ALT	ÜST	ALT	*1.2				
4	N			42/ 55			55x 55 55x 55				42/ 55				55x 55 55x 55				
	As	0.00	0.00	10.08	5.34		24.25 24.25				12.10	6.28	0.00	0.00	24.25 24.25				
	Mr	0.00	0.00	19.11	10.31	22.93	34.45 34.72 69.17	3.99	22.80	12.07	0.00	0.00	27.36	34.83 35.07 69.90	4.76				
	N						71.24 237.85								73.69 234.87				
4	M		42/ 55		42/ 55		55x 100 55x 100				90/ 55				100x 55 100x 55				
	As	10.43	5.65	10.43	5.65		51.65 41.59				26.55	15.21	0.00	0.00	26.84 26.44				
	Mr	19.74	10.90	19.74	10.90	36.77	141.81 129.77 271.58	12.96	50.04	29.10	0.00	0.00	60.04	50.33 59.12 109.51	7.71				
	N						159.67 377.59								127.81 146.13				
4	L		42/ 55		42/ 40		55x 100 55x 100				90/ 55				100x 55 100x 55				
	As	10.43	5.65	10.43	5.65		51.65 41.59				26.09	14.20	0.00	0.00	26.84 26.44				
	Mr	19.74	10.90	14.03	7.80	33.36	141.75 130.44 272.19	12.03	52.21	27.23	0.00	0.00	63.37	49.00 57.03 106.03	8.37				
	N						159.44 181.47								119.32 132.11				
4	K		42/ 40				55x 55 55x 55				42/ 55				55x 55 55x 55				
	As	6.35	3.39	0.00	0.00		24.25 24.25				11.37	6.03	0.00	0.00	24.25 24.25				
	Mr	3.71	4.82	0.00	0.00	10.46	34.37 35.40 69.78	3.05	21.46	11.60	0.00	0.00	25.77	34.55 35.34 69.88	4.28				
	N						70.75 77.50								71.86 77.06				
5	M			90/ 55			100x 55 100x 55				42/ 55		42/ 55		55x 100 55x 100				
	As	0.00	0.00	34.48	20.45		33.80 27.39				14.58	8.04	14.58	8.04	42.47 51.65				
	Mr	0.00	0.00	64.60	38.87	77.52	53.65 46.83 100.48	7.92	27.37	15.35	27.37	15.35	51.26	135.12 142.13 277.24	12.33				
	N						123.90 474.52								198.90 388.79				
5	M		90/ 55		90/ 55		100x 100 100x 100				90/ 55		90/ 55		100x 100 100x 100				
	As	29.88	15.11	29.88	15.11		53.09 53.09				26.58	21.36	26.58	21.36	53.09 53.09				
	Mr	56.08	28.92	56.08	28.92	102.01	195.51 180.32 375.83	25.05	50.19	40.56	50.19	40.56	100.90	197.30 183.14 380.44	27.75				
	N						728.80 801.38								713.48 788.72				
5	L		90/ 55		90/ 40		100x 100 100x 100				90/ 55		90/ 55		100x 100 100x 100				
	As	25.35	13.70	25.35	13.70		53.09 53.09				26.20	16.34	26.20	16.34	53.09 53.09				
	Mr	47.82	26.29	33.94	18.79	79.93	201.00 187.18 388.18	20.99	49.43	31.21	49.43	31.21	56.76	201.06 188.26 389.32	22.69				
	N						699.61 769.97								699.29 764.82				
5	K		90/ 40				100x 55 100x 55				42/ 55		42/ 55		55x 100 55x 100				
	As	11.72	6.06	0.00	0.00		42.47 27.39				12.57	8.04	12.57	8.04	37.32 51.65				
	Mr	16.19	8.72	0.00	0.00	19.43	61.49 51.78 113.27	9.70	23.70	15.35	23.70	15.35	46.86	124.91 146.99 271.89	19.87				
	N						130.36 144.42								188.25 366.26				
6	M			90/ 55			100x 55 100x 55				42/ 40		42/ 55		55x 100 55x 100				
	As	0.00	0.00	30.38	15.58		33.80 27.39				15.43	7.82	15.43	7.82	42.47 51.65				
	Mr	0.00	0.00	57.01	29.80	68.41	57.41 48.71 106.12	3.72	20.45	10.65	28.89	14.94	47.45	132.56 138.37 270.93	11.69				
	N						148.64 460.04								370.06 405.71				

6	N	90/ 55	90/ 55	100x 100 100x 100	90/ 55	90/ 55	100x 100 100x 100		
	As	27.39	16.34	27.39	16.34		53.09	53.09	
	Mr	51.61	31.21	51.61	31.21	99.38	193.97	179.56	373.53
	N						736.68	804.73	
									30.15 35.32 20.67 35.32 20.67 67.19 192.91 178.74 371.65 29.66 742.02 808.33
6	L	90/ 55	90/ 40	100x 100 100x 100	90/ 55	90/ 55	100x 100 100x 100		
	As	27.61	18.22	27.61	18.22		53.09	53.09	
	Mr	52.06	34.71	36.94	24.74	92.15	199.16	186.02	385.18
	N						709.62	775.40	
									24.01 38.21 20.67 38.21 20.67 70.66 199.41 186.54 385.95 25.23 708.27 772.97
6	K	90/ 40		100x 55 100x 55	42/ 40	42/ 55	55x 100 55x 100		
	As	19.98	10.05	0.00	0.00		42.47	27.39	
	Mr	26.98	13.99	0.00	0.00	32.37	63.12	50.71	113.83
	N						141.04	443.62	
									9.30 17.25 10.12 24.32 14.18 41.33 126.47 142.51 268.98 17.75 196.75 387.05
7	N	90/ 55		100x 55 100x 55	42/ 55	42/ 40	55x 100 55x 100		
	As	0.00	0.00	30.38	15.58		42.47	27.39	
	Mr	0.00	0.00	57.01	29.80	68.41	63.69	50.48	114.17
	N						144.99	445.59	
									3.40 28.89 14.94 20.45 10.65 47.45 116.93 141.53 258.46 11.64 192.53 391.51
7	M	90/ 55	90/ 55	100x 100 100x 100	90/ 55	90/ 55	100x 100 100x 100		
	As	27.39	16.34	27.39	16.34		53.09	53.09	
	Mr	51.61	31.21	51.61	31.21	99.38	197.59	184.21	381.80
	N						717.96	783.83	
									30.72 35.32 20.67 35.32 20.67 67.19 196.56 183.39 379.95 29.80 723.36 787.56
7	L	90/ 55	90/ 40	100x 100 100x 100	90/ 55	90/ 55	100x 100 100x 100		
	As	27.61	18.22	27.61	18.22		53.09	53.09	
	Mr	52.06	34.71	36.94	24.74	92.15	199.20	186.55	385.75
	N						709.37	772.94	
									24.52 38.21 20.67 38.21 20.67 70.66 199.45 187.05 386.50 25.38 708.04 770.58
7	K	90/ 40		100x 55 100x 55	42/ 55	42/ 40	55x 100 55x 100		
	As	19.98	10.05	0.00	0.00		42.47	27.39	
	Mr	26.98	13.99	0.00	0.00	32.37	61.74	51.92	113.67
	N						131.97	145.45	
									9.35 24.32 14.18 17.25 10.12 41.33 124.79 147.90 272.68 17.74 187.61 381.96
8	N	90/ 55		100x 55 100x 55	42/ 55	42/ 55	55x 100 55x 100		
	As	0.00	0.00	29.15	20.45		27.39	27.39	
	Mr	0.00	0.00	54.92	38.86	68.90	47.18	40.68	87.86
	N						471.92	516.53	
									7.01 27.25 15.35 27.25 15.35 51.12 142.16 152.10 274.26 11.82 398.18 462.81
8	M	90/ 55	90/ 55	100x 100 100x 100	90/ 55	90/ 55	100x 100 100x 100		
	As	25.35	13.70	25.35	13.70		53.09	53.09	
	Mr	47.82	26.29	47.82	26.29	88.93	200.15	185.60	385.75
	N						704.24	777.39	
									28.28 53.09 40.56 53.09 40.56 112.38 201.72 188.06 389.78 29.16 695.65 765.78
8	L	90/ 55	90/ 40	100x 100 100x 100	90/ 55	90/ 55	100x 100 100x 100		
	As	24.57	12.57	24.57	12.57		53.09	53.09	
	Mr	46.36	24.18	32.91	17.30	76.39	199.54	185.68	385.22
	N						707.57	777.00	
									22.53 51.61 31.21 51.61 31.21 99.38 199.48 186.59 386.07 24.38 707.87 772.73
8	K	90/ 40		100x 55 100x 55	42/ 55	42/ 55	55x 100 55x 100		
	As	11.72	6.06	0.00	0.00		42.47	27.39	
	Mr	16.19	8.72	0.00	0.00	19.43	62.98	49.91	112.89
	N						140.09	450.32	
									9.80 26.91 15.35 26.91 15.35 50.71 126.57 142.22 268.79 21.16 197.32 388.35
9	N	42/ 55		55x 55 55x 55	42/ 55		55x 55 55x 55		
	As	0.00	0.00	8.89	5.34		24.25	24.25	
	Mr	0.00	0.00	16.91	10.31	20.29	34.94	34.07	69.01
	N						74.42	243.40	
									4.11 0.00 0.00 23.71 7.85 28.45 35.19 34.29 69.48 5.01 76.08 241.62
9	M	42/ 55	42/ 55	55x 100 55x 100	90/ 55		100x 55 100x 55		
	As	9.36	5.65	9.36	5.65		51.65	41.59	
	Mr	17.78	10.90	17.78	10.90	34.42	138.19	127.89	266.08
	N						145.18	169.37	
									14.14 0.00 0.00 51.47 29.10 61.76 47.90 56.89 104.79 7.71 112.86 131.18
9	L	42/ 55	42/ 40	55x 100 55x 100	90/ 55		100x 55 100x 55		

As	9.14	5.63	9.14	5.63		31.63	41.39		0.00	0.00	28.09	10.18		28.84	36.44				
Mr	17.37	10.90	12.37	7.80	30.21	141.79	130.35	272.15	13.76	0.00	0.00	52.60	19.73	63.12	48.95	57.04	105.99	11.51	
N						159.61	181.03								119.01	132.15			
9	K	42/ 40				55x 55	55x 55					42/ 55			55x 55	55x 55			
As	8.89	5.34	0.00	0.00		24.25	24.25			0.00	0.00	16.90	7.10		24.25	24.25			
Mr	12.04	7.39	0.00	0.00	14.45	33.89	34.94	68.83	6.67	0.00	0.00	31.47	13.59	37.77	34.05	34.67	68.72	6.18	
N						67.75	74.41								68.74	72.69			

Sünek Kolonlar Kesme Kuvvetleri Toplamı 335.18
Tüm Kolonlar Kesme Kuvvetleri Toplamı 335.18
Sünek / Tüm Oranı 1.00

393.61
393.61
1.00

BİLSAR A.Ş. MÜHENDİSLİK PROGRAMLARI (0212) 221 29 98 . HER HAKKI SAKLIDIR. SADECE TEM MÜHENDİSLİK LTD. TARAFINDAN KULLANILIR

S.S. KARAKÖY PERŞEMBE PAZARI TİCCARLARI TOPLU İŞYERİ YAPI KOOPERATİFİ 1. KAT KOLON KİRİŞ BİRLEŞİM BÖLGELERİ KESME GÜVENLİĞİ

NOKTA NO		X Y Ö N Ü				Y Y Ö N Ü				Ve	Vr
		K İ R İ Ş		KOLON		K İ R İ Ş		KOLON			
		SOL	SAG	ÜST	ALT	SOL	SAG	ÜST	ALT		
ÜST	ALT	ÜST	ALT	ÜST	ALT	ÜST	ALT	ÜST	ALT	ÜST	ALT
4	N			42/ 55	55x 55 55x 55	42/ 55		55x 55 55x 55			
	As	0.00	0.00	10.08	5.34	24.25	24.25	12.10	6.28	0.00	0.00
	V		0.00	52.91	22.97	23.15	29.95	63.46		0.00	23.22
	N				71.24	237.85	136.74				40.24
											73.69
											234.87
											136.74
4	M		42/ 55	42/ 55	55x 100 55x 10	90/ 55		100x 55 100			
	As	10.43	5.65	10.43	5.65	51.65	41.59	26.55	15.21	0.00	0.00
	V		84.40	84.40	94.54	86.52	-2.12	139.29		0.00	28.84
	N				159.67	377.59	248.62				36.44
											105.69
											127.81
											146.13
											289.57
4	L		42/ 55	42/ 40	55x 100 55x 10	90/ 55		100x 55 100			
	As	10.43	5.65	10.43	5.65	51.65	41.59	26.09	14.20	0.00	0.00
	V		84.40	84.40	94.50	86.96	-2.57	147.36		0.00	28.84
	N				159.44	181.47	248.62				36.44
											114.69
											119.32
											132.11
											289.57
4	K		42/ 40		55x 55 55x 55	42/ 55		55x 55 55x 55			
	As	6.35	3.33	0.00	0.00	24.25	24.25	11.37	6.03	0.00	0.00
	V		33.30		0.00	22.91	23.60	10.30	59.67		0.00
	N					70.75	77.50	136.74			24.25
											24.25
											36.64
											71.86
											77.06
											136.74
5	N			90/ 55	100x 55 100x 5	42/ 55	42/ 5	55x 100 55x			
	As	0.00	0.00	34.46	20.45	33.80	27.39	14.58	8.04	14.58	8.04
	V		0.00	180.82	35.77	31.22	149.61	118.68	118.68	90.98	94.75
	N				123.90	474.52	289.57			198.90	388.79
											248.62
5	M		90/ 55	90/ 55	100x 100 100x	90/ 55	90/	100x 100			
	As	29.88	15.11	29.88	15.11	53.09	53.09	26.58	21.36	26.58	21.36
	V		236.04	236.04	130.34	120.21	115.83	251.54	251.54	131.53	122.09
	N				728.80	801.38	702.00 K			719.48	788.72
											702.00 K
5	L		90/ 55	90/ 40	100x 100 100x	90/ 55	90/	100x 100			
	As	25.35	13.70	25.35	13.70	53.09	53.09	26.20	16.34	26.20	16.34
	V		204.89	204.89	134.00	124.79	80.11	223.19	223.19	134.04	125.51
	N				699.61	769.97	702.00 K			699.29	764.82
											702.00 K
5	K		90/ 40		100x 55 100x 5	42/ 55	42/ 5	55x 100 55x			
	As	11.72	6.05	0.00	0.00	42.47	27.39	12.57	8.04	12.57	8.04
	V		61.48		0.00	40.99	34.52	26.97	108.13	108.13	83.27
	N					130.36	144.42	289.57			97.68
											188.25
											366.26
											248.62
6	N			90/ 55	100x 55 100x 5	42/ 40	42/ 5	55x 100 55x			
	As	0.00	0.00	30.38	15.58	33.80	27.39	15.43	7.82	15.43	7.82
	V		0.00	159.40	38.27	32.47	126.92	121.98	121.98	88.37	92.24
	N				148.64	460.04	289.57			370.06	405.71
											248.62
6	M		90/ 55	90/ 55	100x 100 100x	90/ 55	90/	100x 100			
	As	27.39	16.34	27.39	16.34	53.09	53.09	18.57	10.68	18.57	10.68
	V		229.45	229.45	129.31	119.71	109.74	153.46	153.46	128.61	119.16
	N				776.58	804.73	702.00 K			742.82	804.73
											702.00 K

6	L	90/ 55	90/ 40	100x 100 100x	90/ 55	90/	100x 100
	As	27.61 18.22 27.61 18.22	53.09 53.09	20.14 10.68 20.14 10.68	53.09 53.09		
	V	240.49	240.49	132.77 124.02 116.48	161.70	161.70	132.94 124.36 37.34
	N			709.62 775.40 702.00 K			708.27 772.97 702.00 K
6	K	90/ 40		100x 55 100x 5	42/ 40	42/ 5	55x 100 55x
	As	19.98 10.05 0.00 0.00	42.47 27.39	12.91 7.41 12.91 7.41	37.32 51.65		
	V	104.84	0.00	42.08 33.81 71.03	106.65	106.65	84.31 95.01 22.34
	N			141.04 443.62 289.57			196.75 387.05 248.62
7	N	90/ 55	100x 55 100x 5	42/ 55	42/ 4	55x 100 55x	
	As	0.00 0.00 30.38 15.58	42.47 27.39	15.43 7.82 15.43 7.82	31.86 51.65		
	V	0.00	159.40	42.46 33.65 125.74	121.98	121.98	77.95 94.35 44.03
	N			144.99 445.59 289.57			192.53 391.51 248.62
7	M	90/ 55	90/ 55	100x 100 100x	90/ 55	90/	100x 100
	As	27.39 16.34 27.39 16.34	53.09 53.09	18.57 10.68 18.57 10.68	53.09 53.09		
	V	229.45	229.45	131.72 122.81 106.65	153.46	153.46	131.04 122.26 31.20
	N			717.96 783.83 702.00 K			723.36 787.56 702.00 K
7	L	90/ 55	90/ 40	100x 100 100x	90/ 55	90/	100x 100
	As	27.61 18.22 27.61 18.22	53.09 53.09	20.14 10.68 20.14 10.68	53.09 53.09		
	V	240.49	240.49	132.80 124.37 116.13	161.70	161.70	132.97 124.70 37.00
	N			709.37 772.94 702.00 K			708.04 770.58 702.00 K
7	K	90/ 40		100x 55 100x 5	42/ 55	42/ 4	55x 100 55x
	As	19.98 10.05 0.00 0.00	42.47 27.39	12.91 7.41 12.91 7.41	37.32 51.65		
	V	104.84	0.00	41.16 34.62 70.22	106.65	106.65	83.19 96.60 23.46
	N			131.97 148.45 289.57			187.61 361.96 248.62
8	N	90/ 55	100x 55 100x 5	42/ 55	42/ 5	55x 100 55x	
	As	0.00 0.00 29.15 20.45	27.39 27.39	14.51 8.04 14.51 8.04	53.09 51.65		
	V	0.00	182.97	31.45 27.12 128.85	118.35	118.35	94.77 88.07 30.29
	N			471.92 516.53 289.57			398.16 432.81 248.62
8	M	90/ 55	90/ 55	100x 100 100x	90/ 55	90/	100x 100
	As	25.35 13.70 25.35 13.70	53.09 53.09	28.15 21.36 28.15 21.36	53.09 53.09		
	V	204.89	204.89	133.44 123.73 81.16	259.78	259.78	134.48 125.37 134.41
	N			704.24 777.39 702.00 K			695.65 765.78 702.00 K
8	L	90/ 55	90/ 40	100x 100 100x	90/ 55	90/	100x 100
	As	24.57 12.57 24.57 12.57	53.09 53.09	27.39 16.34 27.39 16.34	53.09 53.09		
	V	194.84	194.84	133.02 123.79 71.05	229.45	229.45	132.99 124.40 105.06
	N			707.57 777.00 702.00 K			707.87 772.73 702.00 K
8	K	90/ 40		100x 55 100x 5	42/ 55	42/ 5	55x 100 55x
	As	11.72 6.06 0.00 0.00	42.47 27.39	14.33 8.04 14.33 8.04	37.32 51.65		
	V	61.48	0.00	41.98 33.27 28.21	117.36	117.36	84.38 94.82 32.99
	N			140.09 450.32 289.57			197.32 388.35 248.62
9	N	42/ 55	55x 55 55x 55	42/ 55	55x 55 55x 55		
	As	0.00 0.00 8.89 5.34	24.25 24.25	0.00 0.00 12.66 4.02	24.25 24.25		
	V	0.00	46.65	23.29 22.72 23.93	0.00	66.43	23.46 22.86 43.57
	N			74.42 243.40 136.74			76.08 241.62 136.74
9	M	42/ 55	42/ 55	55x 100 55x 10	90/ 5	100x 55 100	
	As	9.36 5.65 9.36 5.65	51.65 41.59	0.00 0.00 27.33 15.21	28.84 36.44		
	V	78.79	78.79	92.13 85.26 -6.47	0.00	143.41	31.94 37.92 111.47
	N			145.18 169.37 248.62			112.86 131.18 289.57
9	L	42/ 55	42/ 40	55x 100 55x 10	90/ 5	100x 55 100	
	As	9.14 5.65 9.14 5.65	51.65 41.59	0.00 0.00 28.09 10.18	28.84 36.44		
	V	77.64	77.64	94.53 86.90 -9.27	0.00	147.36	32.63 38.03 114.73
	N			159.61 181.03 248.62			119.01 132.15 289.57

9	K	42/ 40			55x 55	55x 55			42/ 55	55x 55	55x 55		
	As	8.89	5.34	0.00	0.00	24.25	24.25	0.00	0.00	16.90	7.10	24.25	24.25
	V	46.65			0.00	22.59	23.29	24.06	0.00	88.68	22.70	23.12	65.98
	N					67.75	74.41	136.74			68.74	72.69	136.74

BİLSAR A.Ş. MÜHENDİSLİK PROGRAMLARI (0212) 221 29 98 . HER HAKKI SAKLIDIR. SADECE TEM MÜHENDİSLİK LTD. TARAFINDAN KULLANILIR

S.S. KARAKÖY PERŞEMBE PAZARI TOCCARLARI TOPLU İŞYERİ YAPI KOOPERATİFİ 2. KAT SÜMEKLİK BİLGİLERİ

		X Y Ö N Ü										Y Y Ö N Ü															
		K i r i ş				K O L O N						K i r i ş				K O L O N											
SOL		SAG		TOPLAM		ÜST		ALT		TOPLAM		Vis		SOL		SAG		TOPLAM		ÜST		ALT		TOPLAM		Vis	
NOKTA NO		ÜST	ALT	ÜST	ALT	*1.2								ÜST	ALT	ÜST	ALT	*1.2									
4	N			42/ 55			55x 55	55x 55					42/ 55						55x 55	55x 55							
	As	0.00	0.00	13.23	8.55		24.25	24.25					0.00	0.00	0.00	0.00			24.25	24.25							
	Mr	0.00	0.00	24.92	16.28	29.91	34.59	34.45	69.04	3.56	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	34.87	34.83	69.70	3.04					
	N						72.15	71.24											73.98	73.69							
4	M			42/ 55	42/ 40		55x 100	55x 100					90/ 55						100x 55	100x 55							
	As	15.24	9.14	15.24	9.14		51.65	51.65					25.55	15.21	0.00	0.00			28.84	28.84							
	Mr	28.61	17.39	20.26	12.39	49.19	136.61	141.81	278.41	10.74	50.04	29.10	0.00	0.00	0.00	0.00	60.04	47.59	50.39	97.97	4.28						
	N						139.21	159.67											111.02	127.81							
4	L			42/ 40			55x 100	55x 100					90/ 55						100x 55	100x 55							
	As	11.88	6.16	0.00	0.00		51.65	51.65					19.79	10.18	0.00	0.00			28.84	28.84							
	Mr	15.90	8.46	0.00	0.00	19.07	137.61	141.75	279.36	8.02	37.57	19.73	0.00	0.00	0.00	0.00	45.09	47.39	49.00	96.99	9.25						
	N						142.96	159.44											113.35	113.32							
4	K						55x 55	55x 55											55x 55	55x 55							
	As	0.00	0.00	0.00	0.00		24.25	24.25					0.00	0.00	0.00	0.00			24.25	24.25							
	Mr	0.00	0.00	0.00	0.00	0.00	34.06	34.37	68.43	1.11	0.00	0.00	0.00	0.00	0.00	0.00	0.00	34.24	34.35	68.73	2.21						
	N						68.79	70.75											69.10	71.86							
5	N			90/ 55			100x 55	100x 55					42/ 55	42/ 55					55x 100	55x 100							
	As	0.00	0.00	55.70	41.69		27.39	33.80					0.00	0.00	0.00	0.00			51.65	42.47							
	Mr	0.00	0.00	103.98	78.36	124.77	50.19	53.65	103.84				0.00	0.00	0.00	0.00	0.00	0.00	148.62	135.12	283.74	38.29					
	N						133.77	123.90											132.01	138.90							
5	M			90/ 55	90/ 55		100x 100	100x 100					90/ 55	90/ 55					100x 100	100x 100							
	As	39.08	26.61	39.08	26.61		53.09	53.09					29.56	23.25	29.56	23.25			53.09	53.09							
	Mr	73.21	50.32	73.21	50.32	148.24	207.38	195.51	402.89	23.72	55.71	44.06	55.71	44.06	119.73	207.53	197.30	404.82	16.88								
	N						364.37	728.80											365.24	719.48							
5	L			90/ 55			100x 100	100x 100					90/ 55						100x 100	100x 100							
	As	30.38	15.58	0.00	0.00		53.09	53.09					18.57	9.30	22.78	10.18			53.09	53.09							
	Mr	57.01	29.80	0.00	0.00	68.41	207.89	201.00	408.89	16.92	0.00	0.00	43.03	19.73	51.64	208.35	201.06	409.41	19.92								
	N						367.42	699.61											370.18	699.29							
5	K						100x 55	100x 55											55x 100	55x 100							
	As	0.00	0.00	0.00	0.00		27.39	42.47					0.00	0.00	0.00	0.00			51.65	37.32							
	Mr	0.00	0.00	0.00	0.00	0.00	49.09	61.49	110.58	3.48	0.00	0.00	0.00	0.00	0.00	0.00	0.00	147.23	124.91	272.14	2.56						
	N						126.80	130.36											184.69	188.25							
6	N						100x 55	100x 55					42/ 55						55x 100	55x 100							
	As	0.00	0.00	0.00	0.00		27.39	33.80					0.00	0.00	0.00	0.00			51.65	42.47							
	Mr	0.00	0.00	0.00	0.00	0.00	51.87	57.41	109.28	19.03	0.00	0.00	0.00	0.00	0.00	0.00	0.00	148.71	132.56	281.27	29.79						
	N						145.07	148.64											358.08	370.06							
6	M						100x 100	100x 100					90/ 55						100x 100	100x 100							
	As	0.00	0.00	0.00	0.00		53.09	53.09					0.00	0.00	16.74	6.16			53.09	53.09							

136

		0.00	0.00	0.00	0.00	0.00	200.52	193.97	394.48	12.84	0.00	0.00	31.92	12.22	38.30	200.83	192.91	393.74	10.94
	N						702.27	736.68								700.56	742.02		
6	L						100x 100	100x 100								100x 100	100x 100		
	As	0.00	0.00	0.00	0.00		53.09	53.09			0.00	0.00	0.00	0.00		53.09	53.09		
	Mr	0.00	0.00	0.00	0.00	0.00	200.49	199.16	399.64	10.60	0.00	0.00	0.00	0.00	0.00	200.74	199.41	400.14	14.08
	N						702.42	709.62								701.07	708.27		
6	K						100x 55	100x 55								55x 100	55x 100		
	As	0.00	0.00	0.00	0.00		27.39	42.47			0.00	0.00	0.00	0.00		51.65	37.32		
	Mr	0.00	0.00	0.00	0.00	0.00	50.75	63.12	113.87	3.43	0.00	0.00	0.00	0.00	0.00	148.84	126.47	275.30	3.02
	N						137.48	141.04								193.19	196.75		
7	N						100x 55	100x 55			42/ 55					55x 100	55x 100		
	As	0.00	0.00	0.00	0.00		27.39	42.47			27.52	14.64	0.00	0.00		51.65	31.86		
	Mr	0.00	0.00	0.00	0.00	0.00	50.52	63.69	114.21	18.31	49.52	27.63	0.00	0.00	59.42	148.52	116.93	265.45	29.61
	N						135.92	144.99								191.48	192.53		
7	M						100x 100	100x 100			90/ 55					100x 100	100x 100		
	As	0.00	0.00	0.00	0.00		53.09	53.09			0.00	0.00	16.74	6.16		53.09	53.09		
	Mr	0.00	0.00	0.00	0.00	0.00	200.56	197.59	398.15	12.06	0.00	0.00	0.00	0.00	0.00	200.88	196.56	397.43	10.64
	N						702.01	717.96								700.30	723.36		
7	L						100x 100	100x 100								100x 100	100x 100		
	As	0.00	0.00	0.00	0.00		53.09	53.09			0.00	0.00	0.00	0.00		53.09	53.09		
	Mr	0.00	0.00	0.00	0.00	0.00	200.53	199.20	399.74	10.06	0.00	0.00	0.00	0.00	0.00	200.78	199.45	400.23	13.89
	N						702.17	709.37								700.84	708.04		
7	K						100x 55	100x 55								55x 100	55x 100		
	As	0.00	0.00	0.00	0.00		27.39	42.47			0.00	0.00	0.00	0.00		51.65	37.32		
	Mr	0.00	0.00	0.00	0.00	0.00	49.35	61.74	111.09	3.51	0.00	0.00	0.00	0.00	0.00	147.10	124.79	271.99	3.04
	N						128.41	131.97								184.05	187.61		
8	N			90/ 55			100x 55	100x 55			42/ 55		42/ 55			55x 100	55x 100		
	As	0.00	0.00	50.39	41.63		27.39	27.39			25.35	12.85	25.35	12.85		51.65	53.09		
	Mr	0.00	0.00	94.29	78.34	113.15	51.63	47.18	98.81		45.90	24.29	45.90	24.29	84.23	148.01	142.16	290.17	36.24
	N						143.42	471.92								361.40	398.16		
8	M		90/ 55	90/ 55			100x 100	100x 100			90/ 55		90/ 55			100x 100	100x 100		
	As	39.08	26.61	39.08	26.61		53.09	53.09			0.00	0.00	0.00	0.00		53.09	53.09		
	Mr	73.21	50.32	73.21	50.32	148.24	207.45	200.15	407.60	21.97	0.00	0.00	0.00	0.00	0.00	207.59	201.72	409.31	14.32
	N						364.80	704.24								365.64	695.65		
8	L		90/ 55				100x 100	100x 100			90/ 55					100x 100	100x 100		
	As	30.38	15.58	0.00	0.00		42.47	53.09			26.48	13.35	0.00	0.00		53.09	53.09		
	Mr	57.01	29.80	0.00	0.00	58.41	190.92	199.54	390.45	15.20	49.87	25.64	0.00	0.00	59.84	207.51	199.48	406.99	16.43
	N						367.88	707.57								662.66	707.87		
8	K						100x 55	100x 55								55x 100	55x 100		
	As	0.00	0.00	0.00	0.00		27.39	42.47			0.00	0.00	0.00	0.00		51.65	37.32		
	Mr	0.00	0.00	0.00	0.00	0.00	50.61	62.98	113.58	3.67	0.00	0.00	0.00	0.00	0.00	148.94	126.57	275.51	2.48
	N						136.52	140.09								193.75	197.32		
9	N			42/ 55			55x 55	55x 55			42/ 55					55x 55	55x 55		
	As	0.00	0.00	11.40	8.29		24.25	24.25			0.00	0.00	14.83	6.28		24.25	24.25		
	Mr	0.00	0.00	21.57	15.81	25.88	34.06	34.94	69.01	3.23	0.00	0.00	27.73	12.07	33.28	34.33	35.19	69.52	2.45
	N						68.84	74.42								70.47	76.08		
9	M		42/ 55	42/ 40			55x 100	55x 100					90/ 55			100x 55	100x 55		
	As	13.67	7.67	13.67	7.67		51.65	51.65			0.00	0.00	0.00	0.00		28.84	28.84		
	Mr	25.70	14.64	18.22	10.45	43.38	136.67	138.19	274.86	9.35	0.00	0.00	0.00	0.00	0.00	47.60	47.90	95.50	4.28
	N						139.42	145.18								111.09	112.86		
9	L		42/ 40				55x 100	55x 100					90/ 55			100x 55	100x 55		
	As	9.83	5.34	0.00	0.00		51.65	51.65			0.00	0.00	19.98	9.17		28.84	28.84		
	Mr	13.26	7.39	0.00	0.00	15.91	137.75	141.79	279.54	6.88	0.00	0.00	37.90	17.85	45.48	48.00	48.95	96.95	7.37

N

143.47 159.61

113.41 119.01

9

K

55x 55 55x 55

55x 55 55x 55

As 0.00 0.00 0.00 0.00

24.25 24.25

0.00 0.00 0.00 0.00

24.25 24.25

Mr 0.00 0.00 0.00 0.00 0.00

33.56 33.89 67.45 13.83

0.00 0.00 0.00 0.00

0.00 33.73 34.05 67.78 17.96

N

65.79 67.75

66.78 68.74

Sünek Kolonlar Kesme Kuvvetleri Toplamı 231.52

314.94

Tüm Kolonlar Kesme Kuvvetleri Toplamı 302.21

314.94

Sünek / Tüm Oranı 0.77

1.00

BİLSAR A.Ş. MÜHENDİSLİK PROGRAMLARI (0212) 221 29 98 . HER HAKKI SAKLIDIR. SADECE TEM MÜHENDİSLİK LTD. TARAFINDAN KULLANILIR

S.S. KARAKÖY PERŞEMBE PAZARI TüCCARLARI TOPLU İŞYERİ YAPI KOOPERATİFİ 2. KAT KOLON KİRİŞ BİRLEŞİM BÖLGELERİ KESME GÜVENLİĞİ

NOKTA NO		X Y Ö N Ü						Y Y Ö N Ü					
		K i r i ş		KOLON		K i r i ş		KOLON		K i r i ş		KOLON	
		SOL	SAG	ÜST	ALT	Ve	SOL	SAG	ÜST	ALT	Ve	SOL	SAG
		ÜST	ALT	ÜST	ALT	Vr	ÜST	ALT	ÜST	ALT	Vr	ÜST	ALT
4	N			42/ 55	55x 55 55x 55		42/ 55		55x 55 55x 55				
	As	0.00	0.00	13.23	8.55	24.25	24.25	0.00	0.00	0.00	0.00	24.25	24.25
	V		0.00	69.40	23.06	22.97	46.43	0.00	0.00	23.25	23.22	-23.22	
	N				72.15	71.24	136.74			73.98	73.69	136.74	
4	M	42/ 55	42/ 40	55x 100 55x 10	90/ 55	100x 55 100							
	As	15.24	9.14	15.24	9.14	51.65	51.65	26.55	15.21	0.00	0.00	28.84	28.84
	V	127.91	127.91	91.07	94.54	36.84	139.23	0.00	31.72	33.59	107.56		
	N			139.21	159.67	248.62			111.02	127.81	289.57		
4	L	42/ 40		55x 100 55x 10	90/ 55	100x 55 100							
	As	11.88	6.16	0.00	0.00	51.65	51.65	19.79	10.18	0.00	0.00	28.84	28.84
	V	62.31	0.00	91.74	94.50	-29.43	103.85	0.00	31.99	32.67	71.85		
	N			142.96	159.44	248.62			113.35	119.32	289.57		
4	K			55x 55 55x 55		55x 55 55x 55							
	As	0.00	0.00	0.00	0.00	24.25	24.25	0.00	0.00	0.00	0.00	24.25	24.25
	V	0.00	0.00	22.70	22.91	-22.70	0.00	0.00	22.82	23.03	-22.82		
	N			33.79	70.75	0.00			69.90	71.85	0.00		
5	M	90/ 55	90/ 55	100x 55 100x 5	42/ 55	42/ 5 55x 100 55x							
	As	0.00	0.00	55.70	41.53	27.39	33.80	0.00	0.00	0.00	0.00	51.65	42.47
	V	0.00	292.25	33.46	35.77	258.79	0.00	0.00	99.08	90.08	-90.08		
	N			133.77	123.90	289.57			192.01	198.90	248.62		
5	M	90/ 55	90/ 55	100x 100 100x	90/ 55	90/ 100x 100							
	As	39.08	26.61	39.08	26.61	53.09	53.09	29.56	23.25	29.56	23.25	53.09	53.09
	V	344.67	344.67	138.25	130.34	214.33	277.09	277.09	138.35	131.53	145.56		
	N			354.37	728.80	702.00 K			365.24	719.48	702.00 K		
5	L	90/ 55		100x 100 100x	90/ 100x 100								
	As	30.38	15.58	0.00	0.00	53.09	53.09	18.57	9.30	22.78	10.18	53.09	53.09
	V	159.40	0.00	138.59	134.00	25.39	150.82	168.30	138.90	134.04	34.26		
	N			367.42	699.61	526.50			370.18	699.29	526.50		
5	K			100x 55 100x 5		55x 100 55x							
	As	0.00	0.00	0.00	0.00	27.39	42.47	0.00	0.00	0.00	0.00	51.65	37.32
	V	0.00	0.00	32.73	40.99	-32.73	0.00	0.00	98.15	83.27	-83.27		
	N			126.80	130.36	0.00			184.69	188.25	0.00		
6	N			100x 55 100x 5	42/ 5 55x 100 55x								
	As	0.00	0.00	0.00	0.00	27.39	33.80	0.00	0.00	0.00	0.00	51.65	42.47
	V	0.00	0.00	34.58	38.27	-34.58	0.00	0.00	99.14	88.37	-88.37		
	N			145.07	148.64	0.00			358.08	370.06	248.62		
6	M			100x 100 100x	90/ 100x 100								
	As	0.00	0.00	0.00	0.00	53.09	53.09	0.00	0.00	16.74	6.16	53.09	53.09
	V	0.00	0.00	133.68	129.31	-129.31	0.00	87.86	133.89	128.61	-40.75		
	N			702.27	736.68	0.00			700.56	742.02	526.50		

6	L					100x 100 100x						100x 100
	As	0.00	0.00	0.00	0.00	53.09	53.09	0.00	0.00	0.00	0.00	53.09 53.09
	V		0.00		0.00	133.66	132.77 -132.77		0.00		0.00	133.82 132.94 -132.94
	N					702.42	709.62 0.00					701.07 708.27 0.00
6	K					100x 55 100x 5						55x 100 55x
	As	0.00	0.00	0.00	0.00	27.39	42.47	0.00	0.00	0.00	0.00	51.65 37.32
	V		0.00		0.00	33.84	42.08 -33.84		0.00		0.00	99.22 84.31 -84.31
	N					137.48	141.04 0.00					193.19 196.75 0.00
7	N					100x 55 100x 5		42/ 55				55x 100 55x
	As	0.00	0.00	0.00	0.00	27.39	42.47	27.52 14.64	0.00	0.00		51.65 31.86
	V		0.00		0.00	33.68	42.46 -33.68	144.40		0.00		99.01 77.95 66.44
	N					135.92	144.99 0.00					191.48 192.53 248.62
7	M					100x 100 100x		90/ 55				100x 100
	As	0.00	0.00	0.00	0.00	53.09	53.09	0.00	0.00 16.74	6.16		53.09 53.09
	V		0.00		0.00	133.71	131.72 -131.72		0.00	87.86		133.92 131.04 -43.18
	N					702.01	717.96 0.00					700.30 723.36 526.50
7	L					100x 100 100x						100x 100
	As	0.00	0.00	0.00	0.00	53.09	53.09	0.00	0.00	0.00	0.00	53.09 53.09
	V		0.00		0.00	133.69	132.80 -132.80		0.00		0.00	133.85 132.97 -132.97
	N					702.17	709.37 0.00					700.84 708.04 0.00
7	K					100x 55 100x 5						55x 100 55x
	As	0.00	0.00	0.00	0.00	27.39	42.47	0.00	0.00	0.00	0.00	51.65 37.32
	V		0.00		0.00	32.90	41.16 -32.90		0.00		0.00	98.07 83.15 -83.15
	N					128.41	131.97 0.00					184.05 187.61 0.00
8	N			90/ 55		100x 55 100x 5		42/ 55		42/ 5		55x 100 55x
	As	0.00	0.00	50.33 41.63		27.39	27.39	25.35 12.85 25.35 12.85				51.65 53.09
	V		0.00	264.40		34.42	31.45 232.55	200.44		200.44		98.68 94.77 105.67
	N					143.42	471.92 289.57					361.40 394.15 248.62
8	M		90/ 55		90/ 55	100x 100 100x		90/ 55		90/		100x 100
	As	39.08 26.61 39.08 26.61				53.09	53.09	0.00	0.00	0.00	0.00	53.09 53.09
	V	344.67		344.67		138.30	133.44 211.24	0.00		0.00		138.39 134.48 -134.48
	N					364.80	704.24 702.00 K					365.64 695.65 702.00 K
8	L		90/ 55			100x 100 100x		90/ 55				100x 100
	As	30.38 15.56 0.00 0.00				42.47	53.09	26.48 13.35	0.00	0.00		53.09 53.09
	V	159.40		0.00		127.28	133.02 32.12	138.95		0.00		138.34 132.99 5.97
	N					367.88	707.57 526.50					562.66 707.67 526.50
8	K					100x 55 100x 5						55x 100 55x
	As	0.00	0.00	0.00	0.00	27.39	42.47	0.00	0.00	0.00	0.00	51.65 37.32
	V		0.00		0.00	33.74	41.98 -33.74		0.00		0.00	99.29 84.38 -84.38
	N					136.52	140.09 0.00					193.75 197.32 0.00
9	N			42/ 55		55x 55 55x 55		42/ 55		55x 55 55x 55		
	As	0.00	0.00	11.40 8.29		24.25	24.25	0.00	0.00 14.83	6.28		24.25 24.25
	V		0.00	59.84		22.71	23.29 37.13		0.00	77.80		22.88 23.46 54.92
	N					68.84	74.42 136.74					70.47 76.08 136.74
9	M		42/ 55		42/ 40	55x 100 55x 10			90/ 5			100x 55 100
	As	13.67 7.67 13.67 7.67				51.65	51.65	0.00	0.00	0.00	0.00	28.84 28.84
	V	111.92		111.92		91.11	92.13 20.81		0.00		0.00	31.73 31.94 -31.73
	N					139.42	145.18 248.52					111.09 112.86 289.57
9	L		42/ 40			55x 100 55x 10			90/ 5			100x 55 100
	As	9.83 5.34 0.00 0.00				51.65	51.65	0.00	0.00 19.98	9.17		28.84 28.84
	V	51.59		0.00		91.83	94.53 -40.24		0.00	104.84		32.00 32.63 72.84
	N					143.47	159.61 248.62					113.41 119.01 289.57

9	K					55x 55 55x 55					55x 55 55x 55
	As	0.00	0.00	0.00	0.00	24.25 24.25	0.00	0.00	0.00	0.00	24.25 24.25
	V		0.00		0.00	22.38 22.59 -22.38		0.00		0.00	22.49 22.70 -22.49
	N					65.79 67.75 0.00					66.78 68.74 0.00

BİLSAR A.Ş. MÜHENDİSLİK PROGRAMLARI (0212) 221 29 98 . HER HAKKI SAKLIDIR. SADECE TEM MÜHENDİSLİK LTD. TARAFINDAN KULLANILIR

S.S. KARAKÖY PERŞEMBE PAZARI TUCCARLARI TOPLU İŞYERİ YAPI KOOPERATİFİ 3. KAT SÜNEKLİK BİLGİLERİ

NOKTA NO		X Y Ö N Ü										Y Y Ö N Ü										
		K i R i Ş					K O L O N					K i R i Ş					K O L O N					
		SDİ	SAĞ	TOPLAM	ÜST	ALT	TOPLAM	Vis	SDİ	SAĞ	TOPLAM	ÜST	ALT	TOPLAM	Vis	SDİ	SAĞ	TOPLAM	ÜST	ALT	TOPLAM	Vis
		ÜST	ALT	ÜST	ALT	*1.2			ÜST	ALT	ÜST	ALT	*1.2			ÜST	ALT	ÜST	ALT	*1.2		
4	N			42/ 55			50x 50 55x 55		42/ 55			50x 50 55x 55										
	As	0.00	0.00	15.71	5.56		21.36 24.25		9.11 7.35	0.00	0.00	21.36 24.25										
	Mr	0.00	0.00	29.22	10.72	35.07	27.55 34.59 62.14	2.69	17.33 14.06	0.00	0.00	20.79 27.78 34.87 62.65	2.17									
	N						67.34 72.15					69.15 73.98										
4	M	42/ 55	42/ 40				50x 90 55x 100		90/ 55			90x 50 100x 55										
	As	17.25	8.83	17.25	8.83		41.59 51.65		19.98 10.05	0.00	0.00	27.52 28.84										
	Mr	32.22	16.81	22.78	11.98	53.03	101.13 136.61 237.74	3.62	37.92 19.50	0.00	0.00	45.50 39.15 47.59 86.73	3.07									
	N						124.17 139.21					100.59 111.02										
4	L	42/ 40	42/ 55				50x 90 55x 100		90/ 55			90x 50 100x 55										
	As	17.25	8.83	17.25	8.83		41.59 51.65		21.17 10.59	0.00	0.00	27.52 28.84										
	Mr	22.78	11.98	32.22	16.81	53.03	101.89 137.61 239.50	1.59	40.11 20.49	0.00	0.00	48.14 39.52 47.99 87.51	3.91									
	N						127.57 142.96					103.15 113.35										
4	K	42/ 55					50x 50 55x 55		42/ 55			50x 50 55x 55										
	As	15.71	8.04	0.00	0.00		21.36 24.25		8.89 7.35	0.00	0.00	21.36 24.25										
	Mr	29.41	15.25	0.00	0.00	35.29	27.11 34.06 61.16	0.80	16.92 14.06	0.00	0.00	20.33 27.33 34.24 61.57	0.37									
	N						63.99 68.79					65.68 69.90										
5	N			90/ 55			90x 50 100x 55		42/ 55	42/ 55		50x 90 55x 100										
	As	0.00	0.00	37.10	23.97		27.39 27.39		18.44 9.36	18.44 9.36		41.59 51.65										
	Mr	0.00	0.00	69.52	45.41	83.43	41.47 50.19 91.66	27.99	34.39 17.80	34.39 17.80	62.63	105.33 148.62 253.95	29.28									
	N						351.36 133.77					305.26 192.01										
5	M	90/ 55	90/ 55				90x 90 100x 100		90/ 55	90/ 55		90x 90 100x 100										
	As	31.10	15.74	31.10	15.74		42.47 53.09		22.78 14.20	22.78 14.20		42.47 53.09										
	Mr	58.32	30.09	58.32	30.09	106.10	141.98 207.38 349.36	13.85	43.11 27.23	43.11 27.23	84.41	141.61 207.53 349.14	4.45									
	N						584.46 364.37					586.65 365.24										
5	L	90/ 55	90/ 55				90x 90 100x 100		90/ 55	90/ 55		90x 90 100x 100										
	As	31.10	15.74	31.10	15.74		42.47 53.09		24.60 14.20	24.60 14.20		42.47 53.09										
	Mr	58.32	30.09	58.32	30.09	106.10	141.23 207.89 349.13	9.15	46.45 27.23	46.45 27.23	88.42	141.26 208.35 349.61	1.79									
	N						588.86 367.42					588.73 370.18										
5	K	90/ 55					90x 50 100x 55		42/ 55	42/ 55		50x 90 55x 100										
	As	37.10	23.97	0.00	0.00		28.84 27.39		23.75 12.32	23.75 12.32		41.59 51.65										
	Mr	69.52	45.41	0.00	0.00	83.43	42.85 49.09 91.94	24.70	43.84 23.30	43.84 23.30	90.57	106.51 147.23 253.74	38.16									
	N						345.97 126.80					298.98 184.69										
5	N			90/ 55			90x 50 100x 55		42/ 55	42/ 55		50x 90 55x 100										
	As	0.00	0.00	31.79	18.66		27.39 27.39		18.44 9.36	18.44 9.36		41.59 51.65										
	Mr	0.00	0.00	59.69	35.53	71.63	39.64 51.87 91.51	12.72	34.39 17.80	34.39 17.80	62.63	101.66 148.71 250.37	26.04									
	N						369.00 145.07					324.37 358.08										
5	M	90/ 55	90/ 55				90x 90 100x 100		90/ 55	90/ 55		90x 90 100x 100										
	As	26.58	14.20	26.58	14.20		42.47 53.09		23.18 12.32	23.18 12.32		42.47 53.09										
	Mr	50.07	27.23	50.07	27.23	92.75	132.77 200.52 333.28	4.66	43.83 23.71	43.83 23.71	81.05	132.79 200.83 333.62	2.13									
	N						635.30 702.27					635.16 700.56										

6	L	90/ 55	90/ 55	90x 90 100x 100	90/ 55	90/ 55	90x 90 100x 100	
	As	31.10	15.74	31.10	15.74	42.47	53.09	23.18 12.32 23.18 12.32 42.47 53.09
	Mr	58.32	30.09	58.32	30.09	106.10	132.56	200.49 333.05 4.25 43.83 23.71 43.83 23.71 81.05 132.68 200.74 333.41 3.75
	N					636.36	702.42	635.76 701.07
6	K	90/ 55		90x 50 100x 55	42/ 55	42/ 55	50x 90 55x 100	
	As	37.10	19.45	0.00	0.00	28.84	27.39	23.75 12.32 23.75 12.32 41.59 51.65
	Mr	69.31	37.00	0.00	0.00	83.17	41.36	50.75 92.11 23.89 43.84 23.30 43.84 23.30 80.57 103.06 148.84 251.90 39.37
	N					360.81	137.48	317.15 193.19
7	N	90/ 55		90x 50 100x 55	42/ 55	42/ 55	50x 90 55x 100	
	As	0.00	0.00	31.79	17.47	27.39	27.39	18.44 9.36 18.44 9.36 41.59 51.65
	Mr	0.00	0.00	59.65	33.31	71.58	41.80	50.52 92.32 12.99 34.39 17.80 34.39 17.80 62.63 105.68 148.52 254.20 26.05
	N					348.00	135.92	303.40 191.48
7	M	90/ 55	90/ 55	90x 90 100x 100	90/ 55	90/ 55	90x 90 100x 100	
	As	26.58	14.20	26.58	14.20	42.47	53.09	23.18 12.32 23.18 12.32 42.47 53.09
	Mr	50.07	27.23	50.07	27.23	92.75	132.82	200.56 333.38 4.70 43.83 23.71 43.83 23.71 81.05 132.84 200.88 333.72 2.00
	N					635.04	702.01	634.90 700.30
7	L	90/ 55	90/ 55	90x 90 100x 100	90/ 55	90/ 55	90x 90 100x 100	
	As	31.10	15.74	31.10	15.74	42.47	53.09	23.18 12.32 23.18 12.32 42.47 53.09
	Mr	58.32	30.09	58.32	30.09	106.10	132.61	200.53 333.14 4.49 43.83 23.71 43.83 23.71 81.05 132.73 200.78 333.50 3.67
	N					636.10	702.17	635.50 700.84
7	K	90/ 55		90x 50 100x 55	42/ 55	42/ 55	50x 90 55x 100	
	As	37.10	19.45	0.00	0.00	28.84	27.39	23.75 12.32 23.75 12.32 41.59 51.65
	Mr	69.31	37.00	0.00	0.00	83.17	43.11	49.35 92.46 23.87 43.84 23.30 43.84 23.30 80.57 107.02 147.10 254.13 39.36
	N					122.73	128.41	296.20 184.05
8	N	90/ 55		90x 50 100x 55	42/ 55	42/ 55	50x 90 55x 100	
	As	0.00	0.00	37.10	23.37	27.39	27.39	18.44 9.36 18.44 9.36 41.59 51.65
	Mr	0.00	0.00	69.52	45.41	83.43	39.25	51.63 90.88 28.37 34.39 17.80 34.39 17.80 62.63 101.23 148.01 249.24 29.46
	N					372.55	143.42	328.55 161.40
8	M	90/ 55	90/ 55	90x 90 100x 100	90/ 55	90/ 55	90x 90 100x 100	
	As	31.10	15.74	31.10	15.74	42.47	53.09	22.78 14.20 22.78 14.20 42.47 53.09
	Mr	58.32	30.09	58.32	30.09	106.10	140.56	207.45 340.01 14.16 43.11 27.23 43.11 27.23 84.41 140.18 207.59 347.77 4.84
	N					592.76	364.80	594.95 365.64
8	L	90/ 55	90/ 55	90x 90 100x 100	90/ 55	90/ 55	90x 90 100x 100	
	As	31.10	15.74	31.10	15.74	42.47	42.47	22.78 14.20 22.78 14.20 42.47 53.09
	Mr	58.32	30.09	58.32	30.09	106.10	139.80	190.92 330.72 9.43 43.11 27.23 43.11 27.23 84.41 139.82 207.51 347.33 2.20
	N					597.13	367.88	597.00 362.66
8	K	90/ 55		90x 50 100x 55	42/ 55	42/ 55	50x 90 55x 100	
	As	37.10	23.97	0.00	0.00	28.84	27.39	23.75 12.32 23.75 12.32 41.59 51.65
	Mr	69.52	45.41	0.00	0.00	83.43	40.66	50.61 91.27 24.52 43.84 23.30 43.84 23.30 80.57 102.41 148.94 251.35 37.76
	N					367.35	136.52	320.52 193.75
9	N	42/ 55		50x 50 55x 55	42/ 55		50x 50 55x 55	
	As	0.00	0.00	13.89	5.56	21.36	24.25	0.00 0.00 9.11 7.35 21.36 24.25
	Mr	0.00	0.00	26.00	10.72	31.20	27.14	34.06 61.21 2.69 0.00 0.00 17.33 14.06 20.79 27.37 34.33 61.69 2.17
	N					64.24	68.84	65.96 70.47
9	M	42/ 55	42/ 40	50x 90 55x 100	90/ 55		90x 50 100x 55	
	As	17.25	8.83	17.25	8.83	41.59	51.65	0.00 0.00 19.98 9.17 27.52 28.84
	Mr	32.22	16.81	22.78	11.98	53.03	101.12	136.67 237.78 4.02 0.00 0.00 37.90 17.85 45.48 39.13 47.60 86.72 3.07
	N					124.09	139.42	100.45 111.09
9	L	42/ 40	42/ 55	50x 90 55x 100	90/ 55		90x 50 100x 55	
	As	15.43	7.82	15.43	7.82	41.59	51.65	0.00 0.00 21.17 9.58 27.52 28.84
	Mr	20.45	10.65	28.89	14.94	47.45	101.86	137.75 239.61 1.98 0.00 0.00 40.09 18.62 48.11 39.50 48.00 87.50 3.59
	N					127.44	143.47	103.02 113.41
9	K	42/ 55		50x 50 55x 55	42/ 55		50x 50 55x 55	

As	12.32	6.28	0.00	0.00		21.36	24.25			0.00	0.00	7.60	6.06		21.36	24.25		
Mr	23.20	12.07	0.00	0.00	27.84	26.68	33.56	60.24	2.12	0.00	0.00	14.53	11.66	17.43	26.89	33.73	60.62	3.43
N						60.84	65.79								62.41	66.78		

Sünek Kolonlar Kesme Kuvvetleri Toplamı	263.24	312.10
Tüm Kolonlar Kesme Kuvvetleri Toplamı	263.24	312.10
Sünek / Tüm Oranı	1.00	1.00

BİLSAR A.Ş. MÜHENDİSLİK PROGRAMLARI (0212) 221 29 98 . HER HAKKI SAKLIDIR. SADECE TEM MÜHENDİSLİK LTD. TARAFINDAN KULLANILIR

S.S. KARAKÖY PERŞEMBE PAZARI TUCARLARI TOPLU İŞYERİ YAPI KOOPERATİFİ 3. KAT KOLON KİRİŞ BİRLEŞİM BÖLGELERİ KESME GÜVENLİĞİ

NOKTA NO		X Y Ö N Ü						Y Y Ö N Ü					
		K i r i ş			KOLON			K i r i ş			KOLON		
		SOL	SAĞ	ÜST	ALT	Ve		SOL	SAĞ	ÜST	ALT	Ve	
		ÜST	ALT	ÜST	ALT	Vr		ÜST	ALT	ÜST	ALT	Vr	
4	N			42/ 55	50x 50 55x 55			42/ 55			50x 50 55x 55		
	As	0.00	0.00	15.71	5.56	21.36	24.25	9.11	7.35	0.00	0.00	21.36	24.25
	V		0.00	82.42	18.36	23.06	64.05	47.80		0.00		18.52	23.25
	N				67.34	72.15	136.74					69.15	73.98
												136.74	
4	M			42/ 55	42/ 40	50x 90 55x 100		90/ 55			90x 50 100x		
	As	17.25	8.83	17.25	8.83	41.59	51.65	19.98	10.05	0.00	0.00	27.52	28.84
	V		136.81		136.81	67.42	91.07	104.84		0.00		26.10	31.72
	N					124.17	139.21					100.59	111.02
												289.57	
4	L			42/ 40	42/ 55	50x 90 55x 100		90/ 55			90x 50 100x		
	As	17.25	8.83	17.25	8.83	41.59	51.65	21.17	10.59	0.00	0.00	27.52	28.84
	V		136.81		136.81	67.33	91.74	111.10		0.00		26.35	31.99
	N					127.57	142.96					103.15	113.35
												289.37	
4	K			42/ 55		50x 50 55x 55		42/ 55			50x 50 55x 55		
	As	15.71	8.04	0.00	0.00	21.36	24.25	8.89	7.35	0.00	0.00	21.36	24.25
	V		82.42		0.00	18.07	22.70	46.65		0.00		18.22	22.82
	N					63.99	68.79					65.68	69.90
												136.74	
5	N			90/ 55	90x 50 100x 55			42/ 55	42/ 55	50x 50 55x 1			
	As	0.00	0.00	37.10	23.97	27.39	27.39	18.44	9.36	18.44	9.36	41.59	51.65
	V		0.00	194.67		27.65	33.46	145.88	145.88	70.22	99.08	75.65	
	N					351.36	133.77					305.26	192.01
												248.62	
5	M			90/ 55	90/ 55	90x 90 100x 10		90/ 55	90/ 5	90x 90 100x			
	As	31.10	15.74	31.10	15.74	42.47	53.09	22.78	14.20	22.78	14.20	42.47	53.09
	V		245.77		245.77	94.66	138.25	194.01	194.01	94.41	138.35	93.60	
	N					584.46	364.37					586.55	365.24
												702.00	K
5	L			90/ 55	90/ 55	90x 90 100x 10		90/ 55	90/ 5	90x 90 100x			
	As	31.10	15.74	31.10	15.74	42.47	53.09	24.60	14.20	24.60	14.20	42.47	53.09
	V		245.77		245.77	94.16	138.59	203.57	203.57	94.17	138.90	109.40	
	N					588.86	367.42					588.73	370.18
												702.00	K
5	K			90/ 55		90x 50 100x 55		42/ 55	42/ 55	50x 90 55x 1			
	As	37.10	23.97	0.00	0.00	28.84	27.39	23.75	12.32	23.75	12.32	41.59	51.65
	V		194.67		0.00	28.57	32.73	189.23	189.23	71.00	98.15	118.23	
	N					345.97	126.80					298.98	184.89
												248.62	
6	N			90/ 55	90x 50 100x 55			42/ 55	42/ 55	50x 50 55x 1			
	As	0.00	0.00	31.79	18.66	27.39	27.39	18.44	9.36	18.44	9.36	41.59	51.65
	V		0.00	166.81		26.43	34.58	145.88	145.88	67.77	99.14	78.11	
	N					369.00	145.07					324.37	358.08
												248.62	
6	M			90/ 55	90/ 55	90x 90 100x 10		90/ 55	90/ 5	90x 90 100x			
	As	26.58	14.20	26.58	14.20	42.47	53.09	23.18	12.32	23.18	12.32	42.47	53.09
	V		213.96		213.96	88.51	133.68	186.26	186.26	88.53	133.89	97.73	
	N					635.30	702.27					635.16	700.56
												702.00	K

6	L	90/ 55	90/ 55	90x 90 100x 10	90/ 55	90/ 5	90x 90 100x
	As	31.10 15.74	31.10 15.74	42.47 53.09	23.18 12.32	23.18 12.32	42.47 53.09
	V	245.77	245.77	88.37 133.66 157.40	186.26	186.26	88.45 133.82 97.81
	N			636.36 702.42 702.00 K			635.76 701.07 702.00 K
6	K	90/ 55		90x 50 100x 55	42/ 55	42/ 55	50x 90 55x 1
	As	37.10 19.45 0.00 0.00		28.84 27.39	23.75 12.32	23.75 12.32	41.59 51.65
	V	194.67	0.00	27.57 33.84 167.10	189.23	189.23	68.71 99.22 120.52
	N			360.81 137.48 289.57			317.15 193.19 248.62
7	N		90/ 55	90x 50 100x 55	42/ 55	42/ 55	50x 90 55x 1
	As	0.00 0.00 31.79 17.47		27.39 27.39	18.44 9.36	18.44 9.36	41.59 51.65
	V	0.00	166.81	27.87 33.68 138.95	145.88	145.88	70.45 99.01 75.43
	N			348.00 135.92 289.57			303.40 191.48 248.62
7	M	90/ 55	90/ 55	90x 90 100x 10	90/ 55	90/ 5	90x 90 100x
	As	26.58 14.20 26.58 14.20		42.47 53.09	23.18 12.32	23.18 12.32	42.47 53.09
	V	213.96	213.96	88.54 133.71 125.41	186.26	186.26	88.56 133.92 97.70
	N			635.04 702.01 702.00 K			634.90 700.30 702.00 K
7	L	90/ 55	90/ 55	90x 90 100x 10	90/ 55	90/ 5	90x 90 100x
	As	31.10 15.74 31.10 15.74		42.47 53.09	23.18 12.32	23.18 12.32	42.47 53.09
	V	245.77	245.77	88.41 133.69 157.36	186.26	186.26	88.49 133.85 97.78
	N			636.10 702.17 702.00 K			635.50 700.84 702.00 K
7	K	90/ 55		90x 50 100x 55	42/ 55	42/ 55	50x 90 55x 1
	As	37.10 19.45 0.00 0.00		28.84 27.39	23.75 12.32	23.75 12.32	41.59 51.65
	V	194.67	0.00	28.74 32.90 165.93	189.23	189.23	71.35 98.07 117.88
	N			122.73 128.41 289.57			296.20 184.05 248.62
8	N		90/ 55	90x 50 100x 55	42/ 55	42/ 55	50x 90 55x 1
	As	0.00 0.00 37.10 23.97		27.39 27.39	18.44 9.36	18.44 9.36	41.59 51.65
	V	0.00	194.67	26.17 34.42 168.56	145.88	145.88	67.48 98.68 75.39
	N			372.56 143.42 289.57			326.55 361.40 248.62
8	X	90/ 55	90/ 55	90x 90 100x 10	90/ 55	90/ 5	90x 90 100x
	As	31.10 15.74 31.10 15.74		42.47 53.09	22.78 14.20	22.78 14.20	42.47 53.09
	V	245.77	245.77	93.71 138.30 152.06	194.01	194.01	93.45 138.39 100.56
	N			592.76 364.80 702.00 K			594.95 365.64 702.00 K
8	L	90/ 55	90/ 55	90x 90 100x 10	90/ 55	90/ 5	90x 90 100x
	As	31.10 15.74 31.10 15.74		42.47 42.47	22.78 14.20	22.78 14.20	42.47 53.09
	V	245.77	245.77	93.20 127.28 152.57	194.01	194.01	93.22 138.34 100.80
	N			597.13 367.86 702.00 K			597.00 362.66 702.00 K
8	K	90/ 55		90x 50 100x 55	42/ 55	42/ 55	50x 90 55x 1
	As	37.10 23.97 0.00 0.00		28.84 27.39	23.75 12.32	23.75 12.32	41.59 51.65
	V	194.67	0.00	27.11 33.74 167.56	189.23	189.23	68.27 99.29 120.56
	N			367.35 136.52 289.57			320.52 193.75 248.62
9	N		42/ 55	50x 50 55x 55	42/ 55	50x 50 55x 55	
	As	0.00 0.00 13.89 5.56		21.36 24.25	0.00 0.00 9.11 7.35	21.36 24.25	
	V	0.00	72.86	18.09 22.71 54.76	0.00	47.80	18.25 22.88 29.56
	N			64.24 68.84 136.74			65.96 70.47 136.74
9	M	42/ 55	42/ 40	50x 90 55x 100	90/ 55	90x 50 100x	
	As	17.25 8.83 17.25 8.83		41.59 51.65	0.00 0.00 19.98 9.17	27.52 28.84	
	V	136.81	136.81	67.41 91.11 69.40	0.00	104.84	26.08 31.73 78.75
	N			124.09 139.42 248.62			100.45 111.09 289.57
9	L	42/ 40	42/ 55	50x 90 55x 100	90/ 55	90x 50 100x	
	As	15.43 7.82 15.43 7.82		41.59 51.65	0.00 0.00 21.17 9.58	27.52 28.84	
	V	121.98	121.98	67.91 91.83 54.07	0.00	111.10	26.34 32.00 64.76
	N			127.44 143.47 248.62			103.02 113.41 289.57

BİLSAR A.Ş. MÜHENDİSLİK PROGRAMLARI (0212) 221 29 98 . HER HAKKI SAKLIDIR. SADECE TEM MÜHENDİSLİK LTD. TARAFINDAN KULLANILIR

S.S. KARAKÖY PERŞEMBE PAZARI TUCARLARI TOPLU İŞYERİ YAPI KOOPERATİFİ 4. KAT SÜNEKLİK BİLGİLERİ

		K i r i ş				K O L O N						K i r i ş				K O L O N											
SOL		SAĞ		TOPLAM		ÜST		ALT		TOPLAM		Vis		SOL		SAĞ		TOPLAM		ÜST		ALT		TOPLAM		Vis	
NOKTA NO	ÜST	ALT	ÜST	ALT	*1.2									ÜST	ALT	ÜST	ALT	*1.2									
4	N			42/ 55			50x 50	50x 50						42/ 55						50x 50	50x 50						
	As	0.00	0.00	15.71	5.15		21.36	21.36						8.89	6.06	0.00	0.00			21.36	21.36						
	Mr	0.00	0.00	29.18	9.96	35.01	26.87	27.55	54.42	4.99	16.91	11.66	0.00	0.00					20.30	27.05	27.78	54.82	5.58				
	N						62.25	67.34												63.54	69.15						
4	M		42/ 55	42/ 40			50x 90	50x 90						90/ 55						90x 50	90x 50						
	As	15.46	7.82	15.46	7.82		33.55	41.59						21.17	10.59	0.00	0.00			33.80	27.52						
	Mr	23.95	14.94	20.48	10.65	47.52	86.16	101.13	187.29	7.72	40.11	20.49	0.00	0.00					48.14	42.02	39.15	81.17	10.19				
	N						109.38	124.17												90.96	100.59						
4	L		42/ 40	42/ 55			50x 90	50x 90						90/ 55						90x 50	90x 50						
	As	17.25	8.83	17.25	8.83		41.59	41.59						21.17	10.59	0.00	0.00			27.52	27.52						
	Mr	22.78	11.93	32.22	15.81	53.03	98.47	101.89	200.36	8.63	40.11	20.49	0.00	0.00					48.14	38.12	39.52	77.64	10.96				
	N						112.05	127.57												93.82	103.15						
4	K		42/ 55				50x 50	50x 50						42/ 55						50x 50	50x 50						
	As	15.71	8.84	0.00	0.00		21.36	21.36						8.89	6.28	0.00	0.00			21.36	21.36						
	Mr	29.41	15.35	0.00	0.00	35.29	26.48	27.11	53.56	5.78	16.91	12.07	0.00	0.00					20.30	26.63	27.33	53.96	6.67				
	N						59.29	63.99												60.52	65.68						
5	N			90/ 55			90x 50	90x 50						42/ 55		42/ 55				50x 90	50x 90						
	As	0.00	0.00	21.17	9.17		27.39	27.39						13.85	7.41	13.85	7.41			41.59	41.59						
	Mr	0.00	0.00	40.08	17.85	48.10	41.54	41.47	83.01	0.68	26.03	14.18	26.03	14.18					48.25	107.47	105.33	212.80	5.01				
	N						118.29	351.36												156.52	305.26						
5	M		90/ 55	90/ 55			90x 90	90x 90						90/ 55		90/ 55				90x 90	90x 90						
	As	25.79	14.20	25.79	14.20		42.47	42.47						24.60	14.20	24.60	14.20			42.47	42.47						
	Mr	48.64	27.23	48.64	27.23	91.03	149.25	141.38	291.23	21.87	46.45	27.23	46.45	27.23					88.42	149.07	141.61	290.66	27.41				
	N						293.63	584.46												292.49	586.65						
5	L		90/ 55	90/ 55			90x 90	90x 90						90/ 55		90/ 55				90x 90	90x 90						
	As	25.79	14.20	25.79	14.20		42.47	42.47						24.60	14.20	24.60	14.20			42.47	42.47						
	Mr	48.64	27.23	48.64	27.23	91.03	149.65	141.23	290.88	24.23	46.45	27.23	46.45	27.23					88.42	149.74	141.26	290.99	29.73				
	N						296.25	588.86												296.82	588.73						
5	K		90/ 55				90x 50	90x 50						42/ 55		42/ 55				50x 90	50x 90						
	As	21.17	10.59	0.00	0.00		27.39	28.84						13.13	7.41	13.13	7.41			41.59	41.59						
	Mr	40.11	20.49	0.00	0.00	48.14	40.71	42.85	83.56	1.52	24.72	14.18	24.72	14.18					46.68	106.52	106.51	213.03	10.12				
	N						112.12	345.97												150.98	298.98						
6	N			90/ 55			90x 50	90x 50						42/ 55		42/ 55				50x 90	50x 90						
	As	0.00	0.00	19.98	9.17		27.39	27.39						13.85	7.41	13.85	7.41			41.59	41.59						
	Mr	0.00	0.00	37.90	17.85	45.48	42.51	39.64	82.15	2.92	26.03	14.18	26.03	14.18					48.25	107.90	101.66	209.55	3.83				
	N						125.98	369.00												291.49	324.37						
6	M		90/ 55	90/ 55			90x 90	90x 90						90/ 55		90/ 55				90x 90	90x 90						

	As	24.60	14.20	24.60	14.20		42.47	42.47		24.38	12.32	24.38	12.32		42.47	42.47			
	Mr	46.45	27.23	46.45	27.23	88.42	144.21	132.77	276.98	24.36	46.01	23.71	46.01	23.71	83.67	144.22	132.79	277.02	28.72
	N						571.09	635.30								571.00	635.16		
6	L	90/ 55	90/ 55			90x 90	90x 90				90/ 55	90/ 55			90x 90	90x 90			
	As	24.60	14.20	24.60	14.20		42.47	42.47			24.38	12.32	24.38	12.32		42.47	42.47		
	Mr	46.45	27.23	46.45	27.23	88.42	144.15	132.56	276.71	25.00	46.01	23.71	46.01	23.71	83.67	144.16	132.68	276.84	31.57
	N						571.45	636.36								571.39	635.76		
6	K	90/ 55				90x 50	90x 50				42/ 55	42/ 55			50x 90	50x 90			
	As	19.98	10.05	0.00	0.00		27.39	28.84			13.13	7.41	13.13	7.41		41.59	41.59		
	Mr	37.92	19.50	0.00	0.00	45.50	41.81	41.36	83.17	1.31	24.72	14.18	24.72	14.18	46.68	107.51	103.06	210.57	9.64
	N						120.40	360.81								156.71	317.15		
7	N		90/ 55			90x 50	90x 50				42/ 55	42/ 55			50x 90	50x 90			
	As	0.00	0.00	19.98	9.17		27.39	27.39			13.85	7.41	13.85	7.41		41.59	41.59		
	Mr	0.00	0.00	37.90	17.85	45.48	41.56	41.80	83.36	2.88	26.03	14.18	26.03	14.18	48.25	107.28	105.68	212.96	3.81
	N						118.46	348.00								155.36	303.40		
7	M	90/ 55	90/ 55			90x 90	90x 90				90/ 55	90/ 55			90x 90	90x 90			
	As	24.60	14.20	24.60	14.20		42.47	42.47			24.38	12.32	24.38	12.32		42.47	42.47		
	Mr	46.45	27.23	46.45	27.23	88.42	144.25	132.82	277.07	24.29	46.01	23.71	46.01	23.71	83.67	144.27	132.84	277.11	28.68
	N						570.83	635.04								570.74	634.90		
7	L	90/ 55	90/ 55			90x 90	90x 90				90/ 55	90/ 55			90x 90	90x 90			
	As	24.60	14.20	24.60	14.20		42.47	42.47			24.38	12.32	24.38	12.32		42.47	42.47		
	Mr	46.45	27.23	46.45	27.23	88.42	144.19	132.61	276.80	24.82	46.01	23.71	46.01	23.71	83.67	144.20	132.73	276.93	31.52
	N						571.19	636.10								571.13	635.60		
7	K	90/ 55				90x 50	90x 50				42/ 55	42/ 55			50x 90	50x 90			
	As	19.98	10.05	0.00	0.00		27.39	28.84			13.13	7.41	13.13	7.41		41.59	41.59		
	Mr	37.92	19.50	0.00	0.00	45.50	40.82	43.11	83.92	1.32	24.72	14.18	24.72	14.18	46.68	106.21	107.02	213.24	9.64
	N						112.95	122.73								149.25	296.20		
8	N		90/ 55			90x 50	90x 50				42/ 55	42/ 55			50x 90	50x 90			
	As	0.00	0.00	21.17	9.17		27.39	27.39			13.85	7.41	13.85	7.41		41.59	41.59		
	Mr	0.00	0.00	40.08	17.85	48.10	42.52	39.25	81.77	0.75	26.03	14.18	26.03	14.18	48.25	107.48	101.23	208.71	5.00
	N						126.03	372.56								293.72	326.56		
8	M	90/ 55	90/ 55			90x 90	90x 90				90/ 55	90/ 55			90x 90	90x 90			
	As	24.60	14.20	24.60	14.20		42.47	42.47			24.60	14.20	24.60	14.20		42.47	42.47		
	Mr	46.45	27.23	46.45	27.23	88.42	149.33	140.56	289.89	21.55	46.45	27.23	46.45	27.23	88.42	149.15	140.18	289.33	27.20
	N						294.12	592.76								292.98	594.35		
8	L	90/ 55	90/ 55			90x 90	90x 90				90/ 55	90/ 55			90x 90	90x 90			
	As	25.79	14.20	25.79	14.20		42.47	42.47			24.60	14.20	24.60	14.20		42.47	42.47		
	Mr	48.64	27.23	48.64	27.23	91.03	149.72	139.60	289.53	23.92	46.45	27.23	46.45	27.23	88.42	149.81	139.62	289.53	29.51
	N						296.74	597.13								297.31	597.00		
8	K	90/ 55				90x 50	90x 50				42/ 55	42/ 55			50x 90	50x 90			
	As	21.17	10.59	0.00	0.00		27.39	28.84			13.13	7.41	13.13	7.41		41.59	41.59		
	Mr	40.11	20.49	0.00	0.00	48.14	41.75	40.66	82.41	1.24	24.72	14.18	24.72	14.18	46.68	107.84	102.41	210.24	10.23
	N						119.91	367.35								158.72	320.52		
9	N		42/ 55			50x 50	50x 50					42/ 55			50x 50	50x 50			
	As	0.00	0.00	13.89	5.15		21.36	21.36			0.00	0.00	8.89	6.06		21.36	21.36		
	Mr	0.00	0.00	25.97	9.96	31.17	26.47	27.14	53.61	4.92	0.00	0.00	16.91	11.66	20.30	26.65	27.37	54.02	5.52
	N						59.40	64.24								60.66	65.96		
9	M	42/ 55	42/ 40			50x 90	50x 90					90/ 55			90x 50	90x 50			
	As	15.43	7.82	15.43	7.82		33.55	41.59			0.00	0.00	21.17	9.58		33.80	27.52		
	Mr	28.89	14.94	20.45	10.65	47.45	86.07	101.12	187.19	7.44	0.00	0.00	40.09	18.62	48.11	41.97	39.13	81.09	10.19
	N						109.95	124.09								90.61	100.45		
9	L	42/ 40	42/ 55			50x 90	50x 90					90/ 55			90x 50	90x 50			
	As	15.43	7.82	15.43	7.82		41.59	41.59			0.00	0.00	21.17	9.58		27.52	27.52		

Mr	20.45	10.65	28.89	14.94	47.45	98.39	101.86	200.25	8.20	0.00	0.00	40.09	18.62	48.11	38.06	39.50	77.57	10.50
N						112.53	127.44								93.47	103.02		
9	K	42/ 55				50x 50	50x 50					42/ 55			50x 50	50x 50		
As	13.89	7.10	0.00	0.00		21.36	21.36			0.00	0.00	8.89	7.35		21.36	21.36		
Mr	26.08	13.59	0.00	0.00	31.30	26.05	26.68	52.72	6.97	0.00	0.00	16.92	14.06	20.30	26.22	26.89	53.12	8.17
N						56.46	60.84								57.67	62.41		

Sünek Kolonlar Kesme Kuvvetleri Toplamı	257.39	359.62
Tüm Kolonlar Kesme Kuvvetleri Toplamı	257.39	359.62
Sünek / Tüm Oranı	1.00	1.00

BİLSAR A.Ş. MÜHENDİSLİK PROGRAMLARI (0212) 221 29 98 . HER HAKKI SAKLIDIR. SADECE TEM MÜHENDİSLİK LTD. TARAFINDAN KULLANILIR

S.S. KARAKÖY PERŞEMBE PAZARI TUCCARLARI TOPLU İŞYERİ YAPI KOOPERATİFİ 4. KAT KOLON KİRİŞ BİRLEŞİM BÖLGELERİ KESME GÜVENLİĞİ

NOKTA NO		X Y Ö N Ü						Y Y Ö N Ü					
		K i r i ş			KOLON			K i r i ş			KOLON		
		SOL		SAG	ÜST	ALT	Ve	SOL		SAG	ÜST	ALT	Ve
		ÜST	ALT					ÜST	ALT				
4	N			42/ 55	50x 50	50x 50		42/ 55			50x 50	50x 50	
	As	0.00	0.00	15.71	5.15	21.36	21.36	8.89	6.06	0.00	0.00	21.36	21.36
	V		0.00	82.42	17.91	18.36	64.50	46.65		0.00	18.03	18.52	28.62
	N				62.25	67.34	124.31				63.54	69.15	124.31
4	M		42/ 55	42/ 40	50x 90	50x 90		90/ 55			90x 50	90x 50	
	As	15.46	7.82	15.46	7.82	33.55	41.59	21.17	10.59	0.00	0.00	33.80	27.52
	V		122.14		122.14	57.44	67.42	64.71	111.10		0.00	28.02	26.10
	N					109.38	124.17	223.76				90.96	100.59
4	L		42/ 40	42/ 55	50x 90	50x 90		90/ 55			90x 50	90x 50	
	As	17.25	5.83	17.25	0.83	41.59	41.59	21.17	10.59	0.00	0.00	27.52	27.52
	V		136.81		136.81	65.65	67.93	71.17	111.10		0.00	25.41	26.25
	N					112.85	127.57	223.76				93.82	103.15
4	K		42/ 55		50x 50	50x 50		42/ 55			50x 50	50x 50	
	As	15.71	8.04	0.00	0.00	21.36	21.36	8.89	6.26	0.00	0.00	21.36	21.36
	V		82.42		0.00	17.64	18.07	64.78	46.65		0.00	17.75	18.22
	N					59.29	63.99	124.31				60.52	65.66
5	N			90/ 55	90x 50	90x 50		42/ 55		42/ 55	50x 90	50x 90	
	As	0.00	0.00	21.17	9.17	27.39	27.39	13.85	7.41	13.85	7.41	41.59	41.59
	V		0.00		111.10	27.69	27.65	83.45	111.59		111.59	71.65	70.22
	N					118.29	351.36	263.25				156.52	305.26
5	M		90/ 55	90/ 55	90x 90	90x 90		90/ 55		90/ 55	90x 90	90x 90	
	As	25.79	14.20	25.79	14.20	42.47	42.47	24.60	14.20	24.60	14.20	42.47	42.47
	V		209.84		209.84	99.50	94.66	115.18	203.57		203.57	99.38	94.41
	N					293.63	584.46	631.80	K			292.49	586.65
5	L		90/ 55	90/ 55	90x 90	90x 90		90/ 55		90/ 55	90x 90	90x 90	
	As	25.79	14.20	25.79	14.20	42.47	42.47	24.60	14.20	24.60	14.20	42.47	42.47
	V		209.84		209.84	99.77	94.16	115.68	203.57		203.57	99.82	94.17
	N					296.25	588.85	631.80	K			296.82	588.73
5	K		90/ 55		90x 50	90x 50		42/ 55		42/ 55	50x 90	50x 90	
	As	21.17	10.59	0.00	0.00	27.39	28.84	13.13	7.41	13.13	7.41	41.59	41.59
	V		111.10		0.00	27.14	28.57	83.96	107.80		107.80	71.01	71.00
	N					112.12	345.97	263.25				150.98	298.98
6	N			90/ 55	90x 50	90x 50		42/ 55		42/ 55	50x 90	50x 90	
	As	0.00	0.00	19.98	9.17	27.39	27.39	13.85	7.41	13.85	7.41	41.59	41.59
	V		0.00		104.84	28.34	26.43	78.41	111.59		111.59	71.93	67.77
	N					125.98	369.00	263.25				291.49	324.37
6	M		90/ 55	90/ 55	90x 90	90x 90		90/ 55		90/ 55	90x 90	90x 90	
	As	24.60	14.20	24.60	14.20	42.47	42.47	24.38	12.32	24.38	12.32	42.47	42.47
	V		203.57		203.57	96.14	88.51	115.06	192.53		192.53	96.15	88.53

N		571.09 635.30 631.80 K						571.00 635.16 631.80 K					
6	L	90/ 55	90/ 55	90x 90 90x 90		90/ 55	90/ 55	90x 90 90x 90					
	As	24.60 14.20 24.60 14.20		42.47 42.47		24.38 12.32 24.38 12.32		42.47 42.47					
	V	203.57	203.57	96.10 88.37 115.20		192.53	192.53	96.11 88.45 104.08					
	N			571.45 636.36 631.80 K				571.39 635.76 631.80 K					
6	K	90/ 55		90x 50 90x 50		42/ 55	42/ 55	50x 90 50x 90					
	As	19.98 10.05 0.00 0.00		27.39 28.84		13.13 7.41 13.13 7.41		41.59 41.59					
	V	104.84	0.00	27.87 27.57 77.26		107.80	107.80	71.67 68.71 39.10					
	N			120.40 360.81 263.25				156.71 317.15 223.76					
7	N		90/ 55	90x 50 90x 50		42/ 55	42/ 55	50x 90 50x 90					
	As	0.00 0.00 19.98 9.17		27.39 27.39		13.85 7.41 13.85 7.41		41.59 41.59					
	V	0.00	104.84	27.71 27.87 77.13		111.59	111.59	71.52 70.45 41.14					
	N			118.46 348.00 263.25				155.36 303.40 223.76					
7	M	90/ 55	90/ 55	90x 90 90x 90		90/ 55	90/ 55	90x 90 90x 90					
	As	24.60 14.20 24.60 14.20		42.47 42.47		24.38 12.32 24.38 12.32		42.47 42.47					
	V	203.57	203.57	96.17 88.54 115.03		192.53	192.53	96.18 88.56 103.97					
	N			570.83 635.04 631.80 K				570.74 634.90 631.80 K					
7	L	90/ 55	90/ 55	90x 90 90x 90		90/ 55	90/ 55	90x 90 90x 90					
	As	24.60 14.20 24.60 14.20		42.47 42.47		24.38 12.32 24.38 12.32		42.47 42.47					
	V	203.57	203.57	96.13 88.41 115.16		192.53	192.53	96.14 88.49 104.04					
	N			571.19 636.10 631.80 K				571.13 635.50 631.80 K					
7	K	90/ 55		90x 50 90x 50		42/ 55	42/ 55	50x 90 50x 90					
	As	19.98 10.05 0.00 0.00		27.39 28.84		13.13 7.41 13.13 7.41		41.59 41.59					
	V	104.84	0.00	27.21 28.74 77.62		107.80	107.80	70.81 71.35 36.99					
	N			112.95 122.73 263.25				142.25 296.20 223.76					
8	N		90/ 55	90x 50 90x 50		42/ 55	42/ 55	50x 90 50x 90					
	As	0.00 0.00 21.17 9.17		27.39 27.39		13.85 7.41 13.85 7.41		41.59 41.59					
	V	0.00	111.10	28.35 28.17 84.93		111.59	111.59	71.66 67.43 44.11					
	N			128.03 372.56 263.25				292.72 326.55 223.76					
8	M	90/ 55	90/ 55	90x 90 90x 90		90/ 55	90/ 55	90x 90 90x 90					
	As	24.60 14.20 24.60 14.20		42.47 42.47		24.60 14.20 24.60 14.20		42.47 42.47					
	V	203.57	203.57	99.55 93.71 109.86		203.57	203.57	99.43 93.45 110.12					
	N			294.13 592.76 631.80 K				292.98 594.95 631.80 K					
8	L	90/ 55	90/ 55	90x 90 90x 90		90/ 55	90/ 55	90x 90 90x 90					
	As	25.79 14.20 25.79 14.20		42.47 42.47		24.60 14.20 24.60 14.20		42.47 42.47					
	V	209.84	209.84	99.82 93.20 116.63		203.57	203.57	99.87 93.22 110.36					
	N			296.74 597.13 631.80 K				297.31 597.00 631.80 K					
8	K	90/ 55		90x 50 90x 50		42/ 55	42/ 55	50x 90 50x 90					
	As	21.17 10.59 0.00 0.00		27.39 28.84		13.13 7.41 13.13 7.41		41.59 41.59					
	V	111.10	0.00	27.83 27.11 83.99		107.80	107.80	71.89 68.27 39.53					
	N			119.91 367.35 263.25				158.72 320.52 223.76					
9	N		42/ 55	50x 50 50x 50			42/ 55	50x 50 50x 50					
	As	0.00 0.00 13.89 5.15		21.36 21.36		0.00 0.00 8.89 6.06		21.36 21.36					
	V	0.00	72.86	17.65 18.09 55.21		0.00	46.65	17.77 18.25 28.88					
	N			59.40 64.24 124.31				60.66 65.96 124.31					
9	M	42/ 55	42/ 40	50x 90 50x 90			90/ 55	90x 50 90x 50					
	As	15.43 7.82 15.43 7.82		33.55 41.59		0.00 0.00 21.17 9.58		33.80 27.52					
	V	121.98	121.98	57.38 67.41 64.60		0.00	111.10	27.98 26.08 85.02					
	N			109.05 124.09 223.76				90.51 100.45 263.25					
9	L	42/ 40	42/ 55	50x 90 50x 90			90/ 55	90x 50 90x 50					
	As	15.43 7.82 15.43 7.82		41.59 41.59		0.00 0.00 21.17 9.58		27.52 27.52					
	V	121.98	121.98	65.59 67.91 56.39		0.00	111.10	25.37 26.34 85.73					
	N			112.53 127.44 223.76				87.47 102.02 263.25					

9	K	42/ 55			50x 50 50x 50				42/ 55	50x 50 50x 50			
	As	13.89	7.10	0.00	0.00	21.36	21.36	0.00	0.00	8.89	7.35	21.36	21.36
	V		72.86		0.00	17.36	17.78	55.49	0.00	46.65	17.48	17.93	29.17
	N					56.46	60.84	124.31			57.67	62.41	124.31

BİLSAR A.Ş. MÜHENDİSLİK PROGRAMLARI (0212) 221 29 98 . HER HAKKI SAKLIDIR. SADECE TEM MÜHENDİSLİK LTD. TARAFINDAN KULLANILIR

S.S. KARAKÖY PERŞEMBE PAZARI TUCCARLARI TOPLU İŞYERİ YAPI KOOPERATİFİ 5. KAT SÜNEKLİK BİLGİLERİ

NOKTA NO		X Y Ö N Ü								Y Y Ö N Ü							
		K i r i ş				K O L O N				K i r i ş				K O L O N			
		SOL	SAG	TOPLAM	ÜST	ALT	TOPLAM	Vis		SOL	SAG	TOPLAM	ÜST	ALT	TOPLAM	Vis	
		ÜST	ALT	ÜST	ALT	*1.2				ÜST	ALT	ÜST	ALT	*1.2			
4	N			42/ 55			50x 50 50x 50			42/ 55					50x 50 50x 50		
	As	0.00	0.00	13.89	4.02		21.36 21.36			7.60	4.81	0.00	0.00		21.36 21.36		
	Mr	0.00	0.00	25.87	7.85	31.05	26.08 26.87	52.95	4.07	14.52	9.32	0.00	0.00	17.43	26.22 27.05	53.27	3.63
	N						56.69 62.25								57.68 63.54		
4	M			42/ 55			50x 90 50x 90			90/ 55					90x 50 90x 50		
	As	15.71	0.04	0.00	0.00		41.59 33.55			15.52	9.61	0.00	0.00		27.52 33.80		
	Mr	29.41	15.35	0.00	0.00	35.29	95.45 86.16	181.60	4.58	29.68	18.67	0.00	0.00	35.61	36.69 42.02	78.72	6.84
	N						101.38 109.38								85.00 90.36		
4	L			42/ 55			50x 90 50x 90			90/ 55					90x 50 90x 50		
	As	0.00	0.00	15.71	5.15		41.59 41.59			15.52	8.33	0.00	0.00		27.52 27.52		
	Mr	0.00	0.00	29.18	9.96	35.01	96.18 98.47	194.65	4.36	29.67	16.27	0.00	0.00	35.61	37.88 38.12	75.10	6.87
	N						103.85 112.85								87.23 93.82		
4	K			42/ 55			50x 50 50x 50			42/ 55					50x 50 50x 50		
	As	15.59	7.16	0.00	0.00		21.36 21.36			7.60	5.34	0.00	0.00		21.36 21.36		
	Mr	25.08	13.59	0.00	0.00	31.30	25.68 25.46	52.14	3.92	14.52	10.31	0.00	0.00	17.43	25.83 26.63	52.46	3.40
	N						54.05 59.29								55.02 60.52		
5	X			90/ 55			90x 50 90x 50			42/ 55	42/ 55				50x 90 50x 90		
	As	0.00	0.00	21.17	9.17		27.39 27.39			13.85	7.41	13.85	7.41		41.59 41.59		
	Mr	0.00	0.00	40.08	17.85	48.10	40.12 41.54	81.66	9.85	26.03	14.18	26.03	14.18	48.25	104.23 107.47	211.71	11.36
	N						107.91 116.29								138.80 156.52		
5	M			90/ 55	90/ 55		90x 90 90x 90			90/ 55	90/ 55				90x 90 90x 90		
	As	24.60	14.20	24.60	14.20		42.47 42.47			21.96	11.81	21.96	11.81		42.47 42.47		
	Mr	46.45	27.23	46.45	27.23	88.42	143.89 149.25	293.14	15.95	41.57	22.78	41.57	22.78	77.22	143.67 149.07	292.74	13.37
	N						262.21 293.63								261.02 292.49		
5	L			90/ 55	90/ 55		90x 90 90x 90			90/ 55	90/ 55				90x 90 90x 90		
	As	24.60	14.20	24.60	14.20		42.47 42.47			21.96	11.81	21.96	11.81		42.47 42.47		
	Mr	46.45	27.23	46.45	27.23	88.42	144.27 149.65	293.92	15.40	41.57	22.78	41.57	22.78	77.22	144.32 149.74	294.06	12.82
	N						264.26 296.25								264.53 296.82		
5	K			90/ 55			90x 50 90x 50			42/ 55	42/ 55				50x 90 50x 90		
	As	21.17	10.59	0.00	0.00		27.39 27.39			13.85	7.41	13.85	7.41		41.59 41.59		
	Mr	40.11	20.49	0.00	0.00	48.14	33.33 40.71	80.04	9.81	26.03	14.18	26.03	14.18	48.25	103.24 106.52	209.76	12.53
	N						102.44 112.12								133.89 150.98		
6	N			90/ 55			90x 50 90x 50			42/ 55	42/ 55				50x 90 50x 90		
	As	0.00	0.00	19.98	9.17		27.39 27.39			13.85	7.41	13.85	7.41		41.59 41.59		
	Mr	0.00	0.00	37.90	17.85	45.48	41.03 42.51	83.54	9.00	26.03	14.18	26.03	14.18	48.25	105.30 107.90	213.20	11.00
	N						114.47 125.93								144.30 291.49		
6	M			90/ 55	90/ 55		90x 90 90x 90			90/ 55	90/ 55				90x 90 90x 90		

	As	22.78	14.20	22.78	14.20		42.47	42.47		21.36	12.32	21.36	12.32		42.47	42.47			
	Mr	43.11	27.23	43.11	27.23	84.41	146.39	144.21	290.60	14.93	40.49	23.71	40.49	23.71	77.04	146.39	144.22	290.62	13.65
	N						276.16	571.09								276.16	571.00		
6	L	90/ 55	90/ 55				90x 90	90x 90			90/ 55	90/ 55				90x 90	90x 90		
	As	22.78	14.20	22.78	14.20		42.47	42.47			21.36	12.32	21.36	12.32		42.47	42.47		
	Mr	43.11	27.23	43.11	27.23	84.41	146.31	144.15	290.46	14.71	40.49	23.71	40.49	23.71	77.04	146.33	144.16	290.49	12.99
	N						275.69	571.45								275.82	571.39		
6	K	90/ 55					90x 50	90x 50			42/ 55	42/ 55				50x 90	50x 90		
	As	19.98	10.05	0.00	0.00		27.39	27.39			13.85	7.41	13.85	7.41		41.59	41.59		
	Mr	37.92	19.50	0.00	0.00	45.50	40.34	41.81	82.16	9.38	26.03	14.18	26.03	14.18	48.25	104.24	107.51	211.74	12.28
	N						109.50	120.40								138.81	156.71		
7	N	90/ 55					90x 50	90x 50			42/ 55	42/ 55				50x 90	50x 90		
	As	0.00	0.00	19.98	9.17		27.39	27.39			13.85	7.41	13.85	7.41		41.59	41.59		
	Mr	0.00	0.00	37.90	17.85	45.48	40.10	41.56	81.66	9.00	26.03	14.18	26.03	14.18	48.25	104.00	107.28	211.28	11.00
	N						107.78	118.46								137.61	155.36		
7	M	90/ 55	90/ 55				90x 90	90x 90			90/ 55	90/ 55				90x 90	90x 90		
	As	22.78	14.20	22.78	14.20		42.47	42.47			21.36	12.32	21.36	12.32		42.47	42.47		
	Mr	43.11	27.23	43.11	27.23	84.41	146.36	144.25	290.62	14.94	40.49	23.71	40.49	23.71	77.04	146.36	144.27	290.63	13.66
	N						276.01	570.83								276.01	570.74		
7	L	90/ 55	90/ 55				90x 90	90x 90			90/ 55	90/ 55				90x 90	90x 90		
	As	22.78	14.20	22.78	14.20		42.47	42.47			21.36	12.32	21.36	12.32		42.47	42.47		
	Mr	43.11	27.23	43.11	27.23	84.41	146.28	144.19	290.48	14.75	40.49	23.71	40.49	23.71	77.04	146.31	144.20	290.51	12.00
	N						275.54	571.19								275.67	571.13		
7	K	90/ 55					90x 50	90x 50			42/ 55	42/ 55				50x 90	50x 90		
	As	19.98	10.05	0.00	0.00		27.39	27.39			13.85	7.41	13.85	7.41		41.59	41.59		
	Mr	37.92	19.50	0.00	0.00	45.50	39.40	40.82	80.22	9.37	26.03	14.18	26.03	14.18	48.25	102.00	106.21	209.10	12.27
	N						102.80	112.95								132.10	149.25		
8	N	90/ 55					90x 50	90x 50			42/ 55	42/ 55				50x 90	50x 90		
	As	0.00	0.00	21.17	9.17		27.39	27.39			13.85	7.41	13.85	7.41		41.59	41.59		
	Mr	0.00	0.00	40.08	17.85	48.10	41.07	42.52	83.35	9.06	26.03	14.18	26.03	14.18	48.25	105.52	107.48	213.04	11.39
	N						114.75	126.03								145.85	203.72		
8	M	90/ 55	90/ 55				90x 90	90x 90			90/ 55	90/ 55				90x 90	90x 90		
	As	24.60	14.20	24.60	14.20		42.47	42.47			21.36	11.81	21.36	11.81		42.47	42.47		
	Mr	46.45	27.23	46.45	27.23	88.42	143.92	149.33	293.25	16.01	41.57	22.78	41.57	22.78	77.22	143.70	149.15	292.85	12.42
	N						262.38	294.13								261.19	292.98		
8	L	90/ 55	90/ 55				90x 90	90x 90			90/ 55	90/ 55				90x 90	90x 90		
	As	24.60	14.20	24.60	14.20		42.47	42.47			21.36	11.81	21.36	11.81		42.47	42.47		
	Mr	46.45	27.23	46.45	27.23	88.42	144.30	149.72	294.02	15.46	41.57	22.78	41.57	22.78	77.22	144.35	149.81	294.16	12.89
	N						264.42	296.74								264.69	297.31		
8	K	90/ 55					90x 50	90x 50			42/ 55	42/ 55				50x 90	50x 90		
	As	21.17	10.59	0.00	0.00		27.39	27.39			13.85	7.41	13.85	7.41		41.59	41.59		
	Mr	40.11	20.49	0.00	0.00	48.14	40.32	41.75	82.07	9.73	26.03	14.18	26.03	14.18	48.25	104.63	107.84	212.47	12.87
	N						109.35	119.91								140.80	158.72		
9	N	42/ 55					50x 50	50x 50			42/ 55					50x 50	50x 50		
	As	0.00	0.00	12.32	4.02		21.36	21.36			0.00	0.00	7.60	4.81		21.36	21.36		
	Mr	0.00	0.00	23.10	7.85	27.72	25.70	26.47	52.17	4.07	0.00	0.00	14.52	9.32	17.43	25.95	26.65	52.50	3.63
	N						54.14	59.40								55.12	60.66		
9	M	42/ 55					50x 90	50x 90			90/ 55					90x 50	90x 50		
	As	15.71	8.04	0.00	0.00		41.59	33.55			0.00	0.00	13.01	9.61		27.39	33.80		
	Mr	29.41	15.35	0.00	0.00	35.29	95.42	86.07	181.49	4.66	0.00	0.00	25.01	18.68	30.01	36.58	41.97	78.55	6.84
	N						100.95	109.05								84.87	90.61		
9	L	42/ 55					50x 90	50x 90			90/ 55					90x 50	90x 50		
	As	0.00	0.00	15.71	5.15		41.59	41.59			0.00	0.00	13.23	8.33		27.52	27.52		

Mr	0.00	0.00	29.18	9.96	35.01	96.15	98.39	194.54	4.54	0.00	0.00	25.42	16.27	30.50	37.06	38.06	75.12	6.94
N						103.73	112.53								87.16	93.47		

9	K	42/ 55				50x 50	50x 50					42/ 55			50x 50	50x 50			
	As	12.32	6.28	0.00	0.00	21.36	21.36			0.00	0.00	7.60	5.34		21.36	21.36			
	Mr	23.20	12.07	0.00	0.00	27.84	25.29	26.05	51.34	3.66	0.00	0.00	14.52	10.31	17.43	25.44	26.22	51.66	3.14
	N					51.51	56.46								52.47	57.67			

Sünek Kolonlar Kesme Kuvvetleri Toplamı	232.01	241.43
Tüm Kolonlar Kesme Kuvvetleri Toplamı	232.01	241.43
Sünek / Tüm Oranı	1.00	1.00

BİLSAR A.Ş. MÜHENDİSLİK PROGRAMLARI (0212) 221 29 98 . HER HAKKI SAKLIDIR. SADECE TEM MÜHENDİSLİK LTD. TARAFINDAN KULLANILIR
S.S. KARAKÖY PERŞEMBE PAZARI TUCCARLARI TOPLU İŞYERİ YAPI KOOPERATİFİ 5. KAT KOLON Kiriş Birleşim Bölgeleri KESME GÜVENLİĞİ

NOKTA NO		X Y Ü N Ü						Y Y Ü N Ü					
		Kiriş			KOLON			Kiriş			KOLON		
		SOL	SAG	ÜST	ALT	Ve		SOL	SAG	ÜST	ALT	Ve	
		ÜST	ALT	ÜST	ALT	Vr		ÜST	ALT	ÜST	ALT	Vr	
4	H			42/ 55	50x 50 50x 50			42/ 55			50x 50 50x 50		
	As	0.00	0.00	13.89	4.02	21.36	21.36	7.60	4.81	0.00	0.00	21.36	21.36
	V		0.00		72.86	17.39	17.91	39.89		0.00		17.48	18.03
	N					55.47						22.41	
						56.69	62.25					57.68	63.54
						124.31						124.31	
4	H		42/ 55		50x 90 50x 90			90/ 55			90x 50 90x 50		
	As	15.71	8.04	0.00	0.00	41.59	33.55	15.52	9.61	0.00	0.00	27.52	33.80
	V		82.42		0.00	63.63	57.44	81.42		0.00		24.46	26.02
	N					101.08	109.38					56.97	
												85.00	90.96
												263.25	
4	L		42/ 55		50x 90 50x 90			90/ 55			90x 50 90x 50		
	As	0.00	0.00	15.71	5.15	41.59	41.59	15.52	8.33	0.00	0.00	27.52	27.52
	V		0.00		82.42	64.12	65.65	81.42		0.00		24.72	25.41
	N					103.85	112.05					56.71	
												87.29	93.82
												263.25	
4	K		42/ 55		50x 50 50x 50			42/ 55			50x 50 50x 50		
	As	13.39	7.10	0.00	0.00	21.36	21.36	7.60	5.34	0.00	0.00	21.36	21.36
	V		72.86		0.00	17.12	17.64	39.89		0.00		17.22	17.75
	N					54.05	59.29					22.67	
												55.02	60.52
												124.31	
5	H		90/ 55		90x 50 90x 50			42/ 55	42/ 55		50x 90 50x 90		
	As	0.00	0.00	21.17	9.17	27.39	27.39	13.85	7.41	13.85	7.41	41.59	41.59
	V		0.00		111.10	26.75	27.69	111.59		111.59		69.49	71.65
	N					107.91	118.29					42.10	
												138.80	156.52
												223.76	
5	H		90/ 55		90x 90 90x 90			90/ 55	90/ 55		90x 90 90x 90		
	As	24.60	14.20	24.60	14.20	42.47	42.47	21.96	11.81	21.96	11.81	42.47	42.47
	V		203.57		203.57	95.93	99.50	177.20		177.20		95.78	99.38
	N					262.21	293.63					81.42	
												261.02	292.49
												631.80	K
5	L		90/ 55		90x 90 90x 90			90/ 55	90/ 55		90x 90 90x 90		
	As	24.60	14.20	24.60	14.20	42.47	42.47	21.96	11.81	21.96	11.81	42.47	42.47
	V		203.57		203.57	96.18	99.77	177.20		177.20		96.21	99.82
	N					264.26	296.25					80.99	
												264.53	296.82
												631.80	K
5	K		90/ 55		90x 50 90x 50			42/ 55	42/ 55		50x 90 50x 90		
	As	21.17	10.59	0.00	0.00	27.39	27.39	13.85	7.41	13.85	7.41	41.59	41.59
	V		111.10		0.00	26.22	27.14	111.59		111.59		68.83	71.01
	N					102.44	112.12					42.77	
												133.89	150.98
												223.76	
5	N		90/ 55		90x 50 90x 50			42/ 55	42/ 55		50x 90 50x 90		
	As	0.00	0.00	19.98	9.17	27.39	27.39	13.85	7.41	13.85	7.41	41.59	41.59
	V		0.00		104.84	27.35	28.34	111.59		111.59		70.20	71.93
	N					114.47	125.98					41.39	
												144.30	291.49
												223.76	
6	M		90/ 55		90x 90 90x 90			90/ 55	90/ 55		90x 90 90x 90		

	As	22.78	14.20	22.78	14.20	42.47	42.47	21.36	12.32	21.36	12.32	42.47	42.47
	V	194.01		194.01		97.59	96.14	97.87	176.70		176.70	97.59	96.15
	N					276.16	571.09	631.80	K			276.16	571.00
6	L	90/ 55		90/ 55		90x 90	90x 90		90/ 55		90/ 55	90x 90	90x 90
	As	22.78	14.20	22.78	14.20	42.47	42.47		21.36	12.32	21.36	12.32	42.47
	V	194.01		194.01		97.54	96.10	97.91	176.70		176.70	97.56	96.11
	N					275.69	571.45	631.80	K			275.82	571.39
6	K	90/ 55				90x 50	90x 50		42/ 55		42/ 55	50x 90	50x 90
	As	19.98	10.05	0.00	0.00	27.39	27.39		13.85	7.41	13.85	7.41	41.59
	V	104.84		0.00		26.90	27.87	77.94	111.59		111.59	69.49	71.67
	N					109.50	120.40	263.25				138.81	156.71
7	N			90/ 55		90x 50	90x 50		42/ 55		42/ 55	50x 90	50x 90
	As	0.00	0.00	19.98	9.17	27.39	27.39		13.85	7.41	13.85	7.41	41.59
	V	0.00		104.84		26.74	27.71	78.10	111.59		111.59	69.33	71.52
	N					107.78	118.46	263.25				137.61	155.36
7	M	90/ 55		90/ 55		90x 90	90x 90		90/ 55		90/ 55	90x 90	90x 90
	As	22.78	14.20	22.78	14.20	42.47	42.47		21.36	12.32	21.36	12.32	42.47
	V	194.01		194.01		97.58	96.17	97.84	176.70		176.70	97.58	96.18
	N					276.01	570.83	631.80	K			276.01	570.74
7	L	90/ 55		90/ 55		90x 90	90x 90		90/ 55		90/ 55	90x 90	90x 90
	As	22.78	14.20	22.78	14.20	42.47	42.47		21.36	12.32	21.36	12.32	42.47
	V	194.01		194.01		97.52	96.13	97.88	176.70		176.70	97.54	96.14
	N					275.54	571.19	631.80	K			275.67	571.13
7	K	90/ 55				90x 50	90x 50		42/ 55		42/ 55	50x 90	50x 90
	As	19.98	10.05	0.00	0.00	27.39	27.39		13.85	7.41	13.85	7.41	41.59
	V	104.84		0.00		26.26	27.21	78.57	111.59		111.59	68.59	70.61
	N					102.88	112.95	263.25				132.19	149.25
8	N			90/ 55		90x 50	90x 50		42/ 55		42/ 55	50x 90	50x 90
	As	0.00	0.00	21.17	9.17	27.39	27.39		13.85	7.41	13.85	7.41	41.59
	V	0.00		111.10		27.38	28.35	83.72	111.59		111.59	70.37	71.66
	N					114.76	126.03	263.25				145.65	293.72
8	M	90/ 55		90/ 55		90x 90	90x 90		90/ 55		90/ 55	90x 90	90x 90
	As	24.60	14.20	24.60	14.20	42.47	42.47		21.96	11.81	21.96	11.81	42.47
	V	203.57		203.57		95.95	99.55	107.62	177.20		177.20	95.80	99.43
	N					262.38	294.13	631.80	K			261.19	292.98
8	L	90/ 55		90/ 55		90x 90	90x 90		90/ 55		90/ 55	90x 90	90x 90
	As	24.60	14.20	24.60	14.20	42.47	42.47		21.96	11.81	21.96	11.81	42.47
	V	203.57		203.57		96.20	99.82	107.37	177.20		177.20	96.23	99.87
	N					264.42	296.74	631.80	K			264.69	297.31
8	K	90/ 55				90x 50	90x 50		42/ 55		42/ 55	50x 90	50x 90
	As	21.17	10.59	0.00	0.00	27.39	27.39		13.85	7.41	13.85	7.41	41.59
	V	111.10		0.00		26.88	27.83	84.22	111.59		111.59	69.75	71.89
	N					109.35	119.91	263.25				140.80	158.72
9	N			42/ 55		50x 50	50x 50		42/ 55		42/ 55	50x 50	50x 50
	As	0.00	0.00	12.32	4.02	21.36	21.36		0.00	0.00	7.60	4.81	21.36
	V	0.00		64.62		17.13	17.65	47.48	0.00		39.89	17.23	17.77
	N					54.14	59.40	124.31				55.12	60.66
9	M	42/ 55				50x 90	50x 90		90/ 55		90/ 55	90x 50	90x 50
	As	15.71	8.04	0.00	0.00	41.59	33.55		0.00	0.00	13.01	9.61	27.39
	V	82.42		0.00		63.61	57.38	25.04	0.00		68.24	24.39	27.98
	N					100.95	109.05	223.76				84.87	90.61
9	L			42/ 55		50x 90	50x 90		90/ 55		90/ 55	90x 50	90x 50
	As	0.00	0.00	15.71	5.15	41.59	41.59		0.00	0.00	13.23	8.33	27.52

V	0.00	82.42	64.10	65.59	18.32	0.00	69.40	24.70	25.37	44.69
N			103.73	112.53	223.76			87.16	93.47	263.25
9 K	42/ 55		50x 50	50x 50			42/ 55	50x 50	50x 50	
As	12.32 6.28	0.00 0.00	21.36	21.36	0.00 0.00	7.60 5.34	21.36	21.36		
V	64.62	0.00	16.86	17.36	47.75	0.00	39.89	16.96	17.48	22.93
N			51.51	56.46	124.31			52.47	57.67	124.31

BİLSAR A.Ş. MÜHENDİSLİK PROGRAMLARI (0212) 221 29 98 . HER HAKKI SAKLIDIR. SADECE TEM MÜHENDİSLİK LTD. TARAFINDAN KULLANILIR

S.S. KARAKÖY PERŞEMBE PAZARI TİCCARLARI TOPLU İŞYERİ YAPI KOOPERATİFİ 6. KAT SÜNEKLİK BİLGİLERİ

		X Y Ö N Ü										Y Y Ö N Ü									
		K İ R İ Ş				K Ö L Ö N				K İ R İ Ş				K Ö L Ö N							
		SOL		SAĞ		TOPLAM	ÜST	ALT	TOPLAM	Vis	SOL		SAĞ		TOPLAM	ÜST	ALT	TOPLAM	Vis		
NOKTA NO		ÜST	ALT	ÜST	ALT	*1.2					ÜST	ALT	ÜST	ALT	*1.2						
4	N			42/ 55		50x 50 50x 50					42/ 55		50x 50 50x 50								
	As	0.00	0.00	12.57	4.02	21.36	21.36				7.60	4.52	0.00	0.00	21.36	21.36					
	Mr	0.00	0.00	23.54	7.85	28.25	25.17	26.08	51.25	3.70	14.52	8.79	0.00	0.00	17.43	25.30	26.22	51.52	3.65		
	N					50.75	56.69								51.54	57.68					
4	M	42/ 55	42/ 40			50x 80 50x 90					90/ 55		80x 50 90x 50								
	As	13.85	7.41	13.85	7.41	36.51	41.59				18.16	9.17	0.00	0.00	27.39	27.52					
	Mr	26.03	14.18	18.45	10.12	43.38	72.96	95.45	168.41	4.36	34.55	17.85	0.00	0.00	41.46	34.35	36.69	71.04	6.58		
	N					85.81	101.08								73.82	85.00					
4	L	42/ 40	42/ 55			50x 80 50x 90					90/ 55		80x 50 90x 50								
	As	13.85	7.41	13.85	7.41	36.51	41.59				18.16	9.17	0.00	0.00	27.39	27.52					
	Mr	18.45	10.12	26.03	14.18	43.38	73.63	96.18	169.82	4.41	34.55	17.85	0.00	0.00	41.46	34.76	37.06	71.84	6.67		
	N					33.56	103.85								76.62	87.29					
4	K	42/ 55				50x 50 50x 50					42/ 55		50x 50 50x 50								
	As	12.57	6.28	0.00	0.00	21.36	21.36				7.60	4.52	0.00	0.00	21.36	21.36					
	Mr	23.54	12.07	0.00	0.00	28.39	24.00	28.36	50.40	2.73	14.52	8.79	0.00	0.00	17.43	24.23	26.63	50.78	3.72		
	N					48.42	51.25								43.23	51.01					
5	N			90/ 55		80x 50 90x 50					42/ 55	42/ 55	50x 80 50x 90								
	As	0.00	0.00	19.98	8.04	27.39	27.39				12.91	7.41	12.91	7.41	36.51	41.59					
	Mr	0.00	0.00	37.88	15.74	45.46	37.87	40.12	77.99	7.13	24.32	14.18	24.32	46.20	80.44	104.83	184.68	6.90			
	N					96.61	107.91								120.74	136.80					
5	M	90/ 55	90/ 55			80x 80 90x 50					90/ 55	90/ 55	80x 80 90x 90								
	As	21.46	14.20	21.46	14.20	31.86	42.47				20.48	14.20	20.48	14.20	31.86	42.47					
	Mr	40.68	27.23	40.68	27.23	81.49	101.05	143.38	244.94	16.15	36.68	27.23	36.68	27.23	79.33	100.92	143.67	244.59	15.55		
	N					226.05	262.21								225.15	261.02					
5	L	90/ 55	90/ 55			80x 80 90x 90					90/ 55	90/ 55	80x 80 90x 90								
	As	22.78	14.20	22.78	14.20	31.86	42.47				21.21	14.20	21.21	14.20	31.86	42.47					
	Mr	43.11	27.23	43.11	27.23	84.41	101.36	144.27	245.63	16.28	40.22	27.23	40.22	27.23	80.93	101.39	144.32	245.71	15.67		
	N					228.22	264.26								228.45	264.53					
5	K	90/ 55				80x 50 90x 50					42/ 55	42/ 55	50x 80 50x 90								
	As	19.98	10.05	0.00	0.00	27.39	27.39				12.91	7.41	12.91	7.41	36.51	41.59					
	Mr	37.92	19.50	0.00	0.00	45.50	37.19	39.33	76.53	7.16	24.32	14.18	24.32	46.20	79.65	103.24	182.89	6.61			
	N					91.69	102.44								116.65	133.89					
6	N			90/ 55		80x 50 90x 50					42/ 55	42/ 55	50x 80 50x 90								
	As	0.00	0.00	18.16	8.04	27.39	27.39				12.91	7.41	12.91	7.41	36.51	41.59					
	Mr	0.00	0.00	34.54	15.74	41.45	38.64	41.03	79.67	6.87	24.32	14.18	24.32	46.20	61.28	105.30	186.58	7.04			
	N					102.20	114.47								125.69	144.30					
6	M	90/ 55	90/ 55			80x 80 90x 90					90/ 55	90/ 55	80x 80 90x 90								
	As	21.21	14.20	21.21	14.20	31.86	42.47				21.36	12.32	21.36	12.32	31.86	42.47					
	Mr	40.22	27.23	40.22	27.23	80.93	99.86	146.39	246.25	16.03	40.49	23.71	40.49	23.71	77.04	99.86	146.39	246.25	15.17		
	N					442.46	276.16								442.48	276.16					

6	L	90/ 55	90/ 55	80x 80 90x 90	90/ 55	90/ 55	80x 80 90x 90
	As	21.21	14.20	21.21	14.20	31.86	42.47
	Mr	40.22	27.23	40.22	27.23	80.93	99.80 146.31 246.12 16.09 40.49 23.71 40.49 23.71 77.04 99.82 146.33 246.16 16.31
	N					442.85	275.69
6	K	90/ 55		80x 50 90x 50	42/ 55	42/ 55	50x 80 50x 90
	As	18.16	9.17	0.00	0.00	27.39	27.39
	Mr	34.55	17.85	0.00	0.00	41.46	38.04 40.34 78.38 6.79 24.32 14.18 24.32 14.18 46.20 80.43 104.24 184.67 6.74
	N					97.81	109.50
7	N	90/ 55		80x 50 90x 50	42/ 55	42/ 55	50x 80 50x 90
	As	0.00	0.00	18.16	8.04	27.39	27.39
	Mr	0.00	0.00	34.54	15.74	41.45	37.84 40.10 77.94 6.87 24.32 14.18 24.32 14.18 46.20 80.24 104.00 184.24 7.04
	N					96.35	107.78
7	M	90/ 55	90/ 55	80x 80 90x 90	90/ 55	90/ 55	80x 80 90x 90
	As	21.21	14.20	21.21	14.20	31.86	42.47
	Mr	40.22	27.23	40.22	27.23	80.93	99.89 146.36 246.25 16.03 40.49 23.71 40.49 23.71 77.04 99.88 146.36 246.25 16.17
	N					442.26	276.01
7	L	90/ 55	90/ 55	80x 80 90x 90	90/ 55	90/ 55	80x 80 90x 90
	As	21.21	14.20	21.21	14.20	31.86	42.47
	Mr	40.22	27.23	40.22	27.23	80.93	99.83 146.28 246.12 16.09 40.49 23.71 40.49 23.71 77.04 99.85 146.31 246.16 16.31
	N					442.66	275.54
7	K	90/ 55		80x 50 90x 50	42/ 55	42/ 55	50x 80 50x 90
	As	18.16	9.17	0.00	0.00	27.39	27.39
	Mr	34.55	17.85	0.00	0.00	41.46	37.21 39.40 76.61 6.79 24.32 14.18 24.32 14.18 46.20 79.35 102.38 182.23 6.74
	N					92.01	102.88
8	N	90/ 55		80x 50 50x 50	42/ 55	42/ 55	50x 80 50x 90
	As	0.00	0.00	19.98	8.04	27.39	27.39
	Mr	0.00	0.00	37.83	15.74	43.46	38.70 41.07 79.76 7.14 24.32 14.18 24.32 14.18 46.20 81.50 105.55 187.05 6.69
	N					102.61	114.76
8	M	90/ 55	90/ 55	80x 80 90x 90	90/ 55	90/ 55	80x 80 50x 90
	As	21.46	14.20	21.46	14.20	31.86	42.47
	Mr	40.68	27.23	40.68	27.23	81.49	101.08 143.92 245.00 16.14 38.88 27.23 38.88 27.23 79.33 100.95 143.70 244.83 16.53
	N					226.25	262.38
8	L	90/ 55	90/ 55	80x 80 90x 90	90/ 55	90/ 55	80x 80 90x 90
	As	22.78	14.20	22.78	14.20	31.86	42.47
	Mr	43.11	27.23	43.11	27.23	84.41	101.39 144.30 245.69 16.27 40.22 27.23 40.22 27.23 80.93 101.42 144.36 245.77 16.63
	N					228.42	264.42
8	K	90/ 55		80x 50 90x 50	42/ 55	42/ 55	50x 80 50x 90
	As	19.98	10.05	0.00	0.00	27.39	27.39
	Mr	37.92	19.50	0.00	0.00	45.50	38.06 40.32 78.38 7.14 24.32 14.18 24.32 14.18 46.20 60.76 104.53 185.39 6.59
	N					97.94	109.35
9	N	42/ 55		50x 50 50x 50	42/ 55		50x 50 50x 50
	As	0.00	0.00	11.59	4.02	21.36	21.36
	Mr	0.00	0.00	21.80	7.85	26.16	24.81 25.70 50.51 3.70 0.00 0.00 14.52 8.79 17.43 24.94 25.85 50.75 3.64
	N					48.52	54.14
9	M	42/ 55	42/ 40	50x 80 50x 90	90/ 55		80x 50 90x 50
	As	13.85	7.41	13.85	7.41	36.51	41.59
	Mr	26.03	14.18	18.45	10.12	43.38	72.88 95.42 168.29 4.38 0.00 0.00 34.54 15.74 41.45 34.29 36.58 70.87 6.58
	N					85.46	100.95
9	L	42/ 40	42/ 55	50x 80 50x 90	90/ 55		80x 50 90x 50
	As	13.85	7.41	13.85	7.41	36.51	41.59
	Mr	18.45	10.12	26.03	14.18	43.38	73.55 96.15 169.70 4.38 0.00 0.00 34.54 15.74 41.45 34.70 37.06 71.76 6.65
	N					88.23	103.73
9	K	42/ 55		50x 50 50x 50	42/ 55		50x 50 50x 50

As	11.59	6.03	0.00	0.00		21.36	21.36			0.00	0.00	6.88	4.81		21.36	21.36
Mr	21.88	11.60	0.00	0.00	26.25	24.42	25.29	49.71	3.78	0.00	0.00	13.18	9.32	15.82	24.56	25.44
N						46.22	51.51								50.00	3.77
															46.99	52.47

Sünek Kolonlar Kesme Kuvvetleri Toplamı	217.38
Tüm Kolonlar Kesme Kuvvetleri Toplamı	217.38
Sünek / Tüm Oranı	1.00

223.17
223.17
1.00

BİLSAR A.Ş. MÜHENDİSLİK PROGRAMLARI (0212) 221 29 98 . HER HAKKI SAKLIDIR. SADECE TEM MÜHENDİSLİK LTD. TARAFINDAN KULLANILIR
S.S. KARAKÖY PERŞEMBE PAZARI TİCCARLARI TOPLU İŞYERİ YAPI KOOPERATİFİ 6. KAT KOLON KİRİŞ BİRLEŞİM BÖLGELERİ KESME GÜVENLİĞİ

NOKTA NO	ND	X Y Ö N Ü						Y Y Ö N Ü					
		K i r i ş			KOLON			K i r i ş			KOLON		
		SOL	SAG	ÜST	ALT	Ve		SOL	SAG	ÜST	ALT	Ve	
		ÜST	ALT	ÜST	ALT	Vr		ÜST	ALT	ÜST	ALT	Vr	
4	N			42/ 55	50x 50 50x 50			42/ 55			50x 50 50x 50		
	As	0.00	0.00	12.57	4.02	21.36	21.36	7.60	4.52	0.00	0.00	21.36	21.36
	V		0.00	65.93	16.78	17.39	49.15	39.89		0.00	16.86	17.48	23.03
	N				50.75	56.69	124.31				51.54	57.68	124.31
4	M		42/ 55	42/ 40	50x 80 50x 90			90/ 55			80x 50 90x 50		
	As	13.85	7.41	13.85	7.41	36.51	41.59	18.16	9.17	0.00	0.00	27.39	27.52
	V	111.59		111.59	48.64	63.63	62.95	95.27		0.00	22.90	24.46	72.38
	N				85.81	101.08	223.75				73.82	85.00	263.25
4	L		42/ 40	42/ 55	50x 80 50x 90			90/ 55			80x 50 90x 50		
	As	13.85	7.41	13.85	7.41	36.51	41.59	18.16	9.17	0.00	0.00	27.39	27.52
	V	111.59		111.59	48.64	64.12	62.50	95.27		0.00	23.18	24.72	72.10
	N				86.58	103.85	223.75				76.22	87.29	263.25
4	K		42/ 55		50x 50 50x 50			42/ 55			50x 50 50x 50		
	As	12.57	6.28	0.00	0.00	21.36	21.36	7.60	4.81	0.00	0.00	21.36	21.36
	V		65.93		0.00	16.78	17.12	49.40	39.89		0.00	16.82	17.32
	N					48.45	54.05	124.31			49.23	55.02	124.31
5	M			90/ 55	80x 50 90x 50			42/ 55	42/ 55		50x 80 50x 90		
	As	0.00	0.00	19.98	8.04	27.39	27.39	12.91	7.41	12.91	7.41	36.51	41.59
	V		0.00	104.84	25.25	26.75	79.59	106.65		106.65	53.63	60.49	53.02
	N				96.61	107.91	263.25				120.94	138.90	223.76
5	N		90/ 55	90/ 55	80x 80 90x 90			90/ 55	90/ 55		80x 80 90x 90		
	As	21.46	14.20	21.46	14.20	31.86	42.47	20.48	14.20	20.48	14.20	31.86	42.47
	V	187.09		187.09	67.37	95.93	119.72	181.98		181.98	67.28	95.78	114.70
	N				226.05	262.21	631.80 K				225.15	261.02	631.80 K
5	L		90/ 55	90/ 55	80x 80 90x 90			90/ 55	90/ 55		80x 80 90x 90		
	As	22.78	14.20	22.78	14.20	31.86	42.47	21.21	14.20	21.21	14.20	31.86	42.47
	V	194.01		194.01	67.57	96.18	126.44	185.77		185.77	67.60	96.21	118.17
	N				228.22	264.26	631.80 K				228.45	264.53	631.80 K
5	K		90/ 55		80x 50 90x 50			42/ 55	42/ 55		50x 80 50x 90		
	As	19.98	10.05	0.00	0.00	27.39	27.39	12.91	7.41	12.91	7.41	36.51	41.59
	V		104.84		0.00	24.80	26.22	80.04	106.65		106.65	53.10	68.83
	N					91.89	102.44	263.25			116.65	133.89	223.76
6	N			90/ 55	80x 50 90x 50			42/ 55	42/ 55		50x 80 50x 90		
	As	0.00	0.00	18.16	8.04	27.39	27.39	12.91	7.41	12.91	7.41	36.51	41.59
	V		0.00	95.27	25.76	27.35	69.51	106.65		106.65	54.19	70.20	52.46
	N				102.20	114.47	263.25				125.69	144.30	223.76
6	M		90/ 55	90/ 55	80x 80 90x 90			90/ 55	90/ 55		80x 80 90x 90		
	As	21.21	14.20	21.21	14.20	31.86	42.47	21.36	12.32	21.36	12.32	31.86	42.47
	V	185.77		185.77	66.57	97.59	119.20	176.70		176.70	66.57	97.59	110.13
	N				442.46	276.16	631.80 K				442.48	276.16	631.80 K

6	L	90/ 55	90/ 55	80x 80 90x 90	90/ 55	90/ 55	80x 80 90x 90	
	As	21.21	14.20	21.21 14.20	31.86	42.47	21.36 12.32 21.36 12.32	31.86 42.47
	V	185.77	185.77	66.54 97.54 119.23	176.70	176.70	66.55 97.56 110.15	
	N			442.85 275.69 631.80 K			442.71 275.82 631.80 K	
6	K	90/ 55		80x 50 90x 50	42/ 55	42/ 55	50x 80 50x 90	
	As	18.16	9.17	0.00 0.00	27.39	27.39	12.91 7.41 12.91 7.41	36.51 41.59
	V	95.27	0.00	25.36 26.90 69.92	106.65	106.65	53.62 69.49 53.03	
	N			97.81 109.50 263.25			120.89 138.81 223.76	
7	N	90/ 55	90/ 55	80x 50 90x 50	42/ 55	42/ 55	50x 80 50x 90	
	As	0.00	0.00	18.16 8.04	27.39	27.39	12.91 7.41 12.91 7.41	36.51 41.59
	V	0.00	95.27	25.22 26.74 70.05	106.65	106.65	53.50 69.33 53.15	
	N			96.35 107.78 263.25			119.84 137.61 223.76	
7	M	90/ 55	90/ 55	80x 80 90x 90	90/ 55	90/ 55	80x 80 90x 90	
	As	21.21	14.20	21.21 14.20	31.86	42.47	21.36 12.32 21.36 12.32	31.86 42.47
	V	185.77	185.77	66.59 97.58 119.18	176.70	176.70	66.59 97.58 110.11	
	N			442.26 276.01 631.80 K			442.28 276.01 631.80 K	
7	L	90/ 55	90/ 55	80x 80 90x 90	90/ 55	90/ 55	80x 80 90x 90	
	As	21.21	14.20	21.21 14.20	31.86	42.47	21.36 12.32 21.36 12.32	31.86 42.47
	V	185.77	185.77	66.55 97.52 119.22	176.70	176.70	66.57 97.54 110.14	
	N			442.66 275.54 631.80 K			442.52 275.67 631.80 K	
7	K	90/ 55		80x 50 90x 50	42/ 55	42/ 55	50x 80 50x 90	
	As	18.16	9.17	0.00 0.00	27.39	27.39	12.91 7.41 12.91 7.41	36.51 41.59
	V	95.27	0.00	24.81 26.26 70.47	106.65	106.65	52.90 68.99 53.75	
	N			92.01 102.68 263.25			115.09 132.19 223.76	
8	N	90/ 55	90/ 55	80x 50 90x 50	42/ 55	42/ 55	50x 80 50x 90	
	As	0.00	0.00	19.98 8.04	27.39	27.39	12.91 7.41 12.91 7.41	36.51 41.59
	V	0.00	104.84	25.80 27.38 79.34	106.65	106.65	54.33 70.57 52.32	
	N			102.61 114.78 263.25			126.93 145.65 223.76	
8	M	90/ 55	90/ 55	80x 80 90x 90	90/ 55	90/ 55	80x 80 90x 90	
	As	21.46	14.20	21.46 14.20	31.86	42.47	20.48 14.20 20.48 14.20	31.86 42.47
	V	187.09	187.09	67.39 95.25 119.70	181.98	181.98	67.30 95.80 114.68	
	N			228.25 282.33 631.80 K			225.35 281.19 631.80 K	
8	L	90/ 55	90/ 55	80x 80 90x 90	90/ 55	90/ 55	80x 80 90x 90	
	As	22.78	14.20	22.78 14.20	31.86	42.47	21.21 14.20 21.21 14.20	31.86 42.47
	V	194.01	194.01	67.59 96.20 126.42	185.77	185.77	67.62 96.23 118.16	
	N			228.42 284.42 631.80 K			228.65 284.69 631.80 K	
8	K	90/ 55		80x 50 90x 50	42/ 55	42/ 55	50x 80 50x 90	
	As	19.98	10.05	0.00 0.00	27.39	27.39	12.91 7.41 12.91 7.41	36.51 41.59
	V	104.84	0.00	25.37 26.88 79.46	106.65	106.65	53.84 69.75 52.81	
	N			97.94 109.35 263.25			122.70 140.80 223.76	
9	N	42/ 55	42/ 55	50x 50 50x 50	42/ 55	42/ 55	50x 50 50x 50	
	As	0.00	0.00	11.59 4.02	21.36	21.36	0.00 0.00 7.50 4.52	21.36 21.36
	V	0.00	60.82	16.54 17.13 44.28	0.00	39.89	16.63 17.23 23.26	
	N			48.52 54.14 124.31			49.31 55.12 124.31	
9	M	42/ 55	42/ 40	50x 80 50x 90	90/ 55	90/ 55	80x 50 90x 50	
	As	13.85	7.41	13.85 7.41	36.51	41.59	0.00 0.00 18.16 8.04	27.39 27.39
	V	111.59	111.59	48.58 63.61 63.01	0.00	95.27	22.86 24.39 72.42	
	N			85.46 100.95 223.76			73.47 84.87 263.25	
9	L	42/ 40	42/ 55	50x 80 50x 90	90/ 55	90/ 55	80x 50 90x 50	
	As	13.85	7.41	13.85 7.41	36.51	41.59	0.00 0.00 18.16 8.04	27.39 27.52
	V	111.59	111.59	49.03 64.10 62.56	0.00	95.27	23.14 24.70 72.14	
	N			88.23 103.73 223.76			75.87 87.16 263.25	
9	K	42/ 55		50x 50 50x 50	42/ 55	42/ 55	50x 50 50x 50	

As	11.59	6.03	0.00	0.00	21.36	21.36	0.00	0.00	6.88	4.81	21.36	21.36	
V		60.82		0.00	16.28	16.86	44.54	0.00		36.10	16.37	16.96	19.73
N					46.22	51.51	124.31				46.99	52.47	124.31

9Ts0Ps16.66Hs10Vk3G18D

BİLSAR A.Ş. MÜHENDİSLİK PROGRAMLARI (0212) 221 29 98 . HER HAKKI SAKLIDIR. SADECE TEM MÜHENDİSLİK LTD. TARAFINDAN KULLANILIR

S.S. KARAKÖY PERŞEMBE PAZARI TUCCARLARI TOPLU İŞYERİ YAPI KOOPERATİFİ 7. KAT SÜNEKLİK BİLGİLERİ

		K i r i ş					K O L O N							Y Y Ö N Ü					K O L O N									
		SOL		SAG		TOPLAM	ÜST	ALT	TOPLAM	Vis	SOL		SAG		TOPLAM	ÜST	ALT	TOPLAM	Vis	SOL		SAG		TOPLAM	ÜST	ALT	TOPLAM	Vis
NOKTA NO		ÜST	ALT	ÜST	ALT	*1.2					ÜST	ALT	ÜST	ALT	*1.2						ÜST	ALT	ÜST	ALT	*1.2			
4	N			42/ 55			50x 50 50x 50				42/ 55					50x 50 50x 50												
	As	0.00	0.00	12.32	4.02		21.36 21.36			7.60	4.27	0.00	0.00			21.36 21.36												
	Mr	0.00	0.00	23.10	7.85	27.72	24.13 25.17 49.30	3.56	14.52	8.32	0.00	0.00	17.43	24.23 25.30 49.53	3.51													
	N						44.53 50.75									45.15 51.54												
4	M			42/ 55	42/ 40		50x 80 50x 80				90/ 55					80x 50 80x 50												
	As	13.85	7.41	13.85	7.41		30.47 36.51			16.59	9.17	0.00	0.00			31.42 27.39												
	Mr	26.03	14.18	18.45	10.12	43.38	61.58 72.96 134.54	5.56	31.65	17.85	0.00	0.00	37.98	35.10 34.35 69.45	6.47													
	N						70.71 85.81									68.33 73.82												
4	L			42/ 40	42/ 55		50x 80 50x 80				90/ 55					80x 50 80x 50												
	As	13.85	7.41	13.85	7.41		36.51 36.51			16.59	9.17	0.00	0.00			27.39 27.39												
	Mr	18.45	10.12	26.03	14.18	43.38	59.81 73.63 143.44	5.55	31.65	17.85	0.00	0.00	37.98	32.77 34.76 67.53	6.53													
	N						73.48 88.58									64.82 76.22												
4	K			42/ 55			50x 50 50x 50				42/ 55					50x 50 50x 50												
	As	12.32	6.28	0.00	0.00		21.36 21.36			7.60	4.27	0.00	0.00			21.36 21.36												
	Mr	23.20	12.07	0.00	0.00	27.84	23.76 24.80 48.56	3.55	14.52	8.32	0.00	0.00	17.43	23.99 24.93 48.82	3.50													
	N						42.55 48.45									43.17 49.83												
5	N			90/ 55			80x 50 80x 50				42/ 55	42/ 55		50x 80 50x 80														
	As	0.00	0.00	18.16	8.04		27.39 27.39			12.91	7.41	12.91	7.41			36.51 36.51												
	Mr	0.00	0.00	34.54	15.74	41.45	36.15 37.87 74.02	6.77	24.32	14.18	24.32	14.18	46.20	76.98 80.44 157.43	7.23													
	N						84.92 96.51									103.38 120.94												
5	M			90/ 55	90/ 55		80x 80 80x 80				90/ 55	90/ 55		80x 80 80x 80														
	As	20.48	14.20	20.48	14.20		31.86 31.86			20.26	14.20	20.26	14.20			31.86 31.86												
	Mr	38.88	27.23	38.88	27.23	79.33	95.31 101.05 196.36	13.85	38.48	27.23	38.48	27.23	78.85	95.18 100.92 196.08	13.25													
	N						191.05 226.05									190.23 226.15												
5	L			90/ 55	90/ 55		80x 80 80x 80				90/ 55	90/ 55		80x 80 80x 80														
	As	21.21	14.20	21.21	14.20		31.86 31.86			20.26	14.20	20.26	14.20			31.86 31.86												
	Mr	40.22	27.23	40.22	27.23	80.93	95.72 101.36 197.08	13.83	38.48	27.23	38.48	27.23	78.85	95.73 101.39 197.12	13.23													
	N						193.30 228.22									193.36 228.45												
5	K			90/ 55			80x 50 80x 50				42/ 55	42/ 55		50x 80 50x 80														
	As	18.16	9.17	0.00	0.00		27.39 27.39			12.91	7.41	12.91	7.41			36.51 36.51												
	Mr	34.55	17.85	0.00	0.00	41.46	35.52 37.19 72.72	6.78	24.32	14.18	24.32	14.18	46.20	76.19 79.65 155.84	7.23													
	N						80.90 91.89									99.71 116.65												
6	N			90/ 55			80x 50 80x 50				42/ 55	42/ 55		50x 80 50x 80														
	As	0.00	0.00	16.84	8.04		27.39 27.39			12.91	7.41	12.91	7.41			36.51 36.51												
	Mr	0.00	0.00	32.11	15.74	38.53	36.85 38.64 75.49	6.47	24.32	14.18	24.32	14.18	46.20	77.83 81.28 159.11	7.20													
	N						89.54 102.20									107.41 125.69												
6	M			90/ 55	90/ 55		80x 80 80x 80				90/ 55	90/ 55		80x 80 80x 80														
	As	20.26	14.20	20.26	14.20		31.86 31.86			19.79	12.32	19.79	12.32			31.86 31.86												
	Mr	38.48	27.23	38.48	27.23	78.85	97.89 99.86 197.75	13.04	37.59	23.71	37.59	23.71	73.57	97.89 99.86 197.75	13.16													

N		205.74 442.46										205.75 442.48									
6	L	90/ 55	90/ 55	80x 80 80x 80		90/ 55	90/ 55	80x 80 80x 80													
	As	20.26	14.20	20.26	14.20	31.86	31.86	19.79	12.32	19.79	12.32	31.86	31.86								
	Mr	38.48	27.23	38.48	27.23	78.85	97.82	99.80	197.63	13.02	37.59	23.71	37.59	23.71	73.57	97.86	99.82	197.69	13.13		
	N					205.37	442.85					205.60	442.71								
6	K	90/ 55		80x 50 80x 50		42/ 55	42/ 55	50x 80 50x 80													
	As	16.84	9.17	0.00	0.00	27.39	27.39	12.91	7.41	12.91	7.41	36.51	36.51								
	Mr	32.12	17.85	0.00	0.00	38.54	36.28	38.04	74.32	6.48	24.32	14.18	24.32	14.18	46.20	76.96	80.43	157.40	7.25		
	N					85.75	97.81					103.29	120.89								
7	N		90/ 55	80x 50 80x 50		42/ 55	42/ 55	50x 80 50x 80													
	As	0.00	0.00	16.84	8.04	27.39	27.39	12.91	7.41	12.91	7.41	36.51	36.51								
	Mr	0.00	0.00	32.11	15.74	38.53	36.09	37.84	73.93	6.47	24.32	14.18	24.32	14.18	46.20	76.78	80.24	157.02	7.20		
	N					84.54	96.35					102.41	119.84								
7	M	90/ 55	90/ 55	80x 80 80x 80		90/ 55	90/ 55	80x 80 80x 80													
	As	20.26	14.20	20.26	14.20	31.86	31.86	19.79	12.32	19.79	12.32	31.86	31.86								
	Mr	38.48	27.23	38.48	27.23	78.85	97.86	99.89	197.74	13.04	37.59	23.71	37.59	23.71	73.57	97.86	99.88	197.74	13.16		
	N					205.57	442.26					205.58	442.28								
7	L	90/ 55	90/ 55	80x 80 80x 80		90/ 55	90/ 55	80x 80 80x 80													
	As	20.26	14.20	20.26	14.20	31.86	31.86	19.79	12.32	19.79	12.32	31.86	31.86								
	Mr	38.48	27.23	38.48	27.23	78.85	97.80	99.83	197.63	13.03	37.59	23.71	37.59	23.71	73.57	97.83	99.85	197.69	13.13		
	N					205.20	442.66					205.43	442.52								
7	K	90/ 55		80x 50 80x 50		42/ 55	42/ 55	50x 80 50x 80													
	As	16.84	9.17	0.00	0.00	27.39	27.39	12.91	7.41	12.91	7.41	36.51	36.51								
	Mr	32.12	17.85	0.00	0.00	38.54	35.50	37.21	72.72	6.48	24.32	14.18	24.32	14.18	46.20	75.89	79.35	155.24	7.25		
	N					80.75	92.01					98.33	115.09								
8	N		90/ 55	80x 50 80x 50		42/ 55	42/ 55	50x 80 50x 80													
	As	0.00	0.00	16.84	8.04	27.39	27.39	12.91	7.41	12.91	7.41	36.51	36.51								
	Mr	0.00	0.00	32.11	15.74	41.45	36.93	38.70	75.82	6.78	24.32	14.18	24.32	14.18	46.20	78.05	81.50	159.55	7.23		
	N					90.07	102.61					108.53	126.93								
8	M	90/ 55	90/ 55	80x 80 80x 80		90/ 55	90/ 55	80x 80 80x 80													
	As	20.48	14.20	20.48	14.20	31.86	31.86	20.26	14.20	20.26	14.20	31.86	31.86								
	Mr	38.88	27.23	38.88	27.23	79.33	95.35	101.08	196.43	13.86	38.48	27.23	38.48	27.23	78.85	95.20	100.95	196.15	13.26		
	N					191.29	226.25					190.47	225.35								
8	L	90/ 55	90/ 55	80x 80 80x 80		90/ 55	90/ 55	80x 80 80x 80													
	As	21.21	14.20	21.21	14.20	31.86	31.86	20.26	14.20	20.26	14.20	31.86	31.86								
	Mr	40.22	27.23	40.22	27.23	80.93	95.76	101.39	197.15	13.84	38.48	27.23	38.48	27.23	78.85	95.77	101.42	197.19	13.23		
	N					193.53	228.42					193.59	228.65								
8	K	90/ 55		80x 50 80x 50		42/ 55	42/ 55	50x 80 50x 80													
	As	16.16	9.17	0.00	0.00	27.39	27.39	12.91	7.41	12.91	7.41	36.51	36.51								
	Mr	34.55	17.85	0.00	0.00	41.46	36.33	38.06	74.39	6.78	24.32	14.18	24.32	14.18	46.20	77.30	80.76	158.06	7.29		
	N					86.09	97.94					104.90	122.70								
9	N		42/ 55	50x 50 50x 50		42/ 55		50x 50 50x 50													
	As	0.00	0.00	11.37	4.02	21.36	21.36	0.00	0.00	6.88	4.27	21.36	21.36								
	Mr	0.00	0.00	21.41	7.85	25.69	23.79	24.81	48.60	3.56	0.00	0.00	13.18	8.32	15.82	23.90	24.94	48.84	3.51		
	N					42.61	48.52					43.23	49.31								
9	M	42/ 55	42/ 40	50x 80 50x 80		90/ 55		80x 50 80x 50													
	As	13.85	7.41	13.85	7.41	30.47	36.51	0.00	0.00	16.59	8.04	31.42	27.39								
	Mr	26.03	14.18	18.45	10.12	43.38	61.42	72.88	134.30	5.57	0.00	0.00	31.65	15.74	37.98	35.00	34.29	69.29	6.47		
	N					70.15	85.46					61.77	73.47								
9	L	42/ 40	42/ 55	50x 80 50x 80		90/ 55		80x 50 80x 50													
	As	13.13	7.41	13.13	7.41	36.51	36.51	0.00	0.00	16.59	8.04	27.39	27.39								
	Mr	17.53	10.12	24.72	14.18	41.81	69.66	73.55	143.21	5.57	0.00	0.00	31.65	15.74	37.98	32.67	34.70	67.37	6.56		
	N					72.92	88.23					64.26	75.87								

167

9	K	42/ 55		50x 50 50x 50		42/ 55	50x 50 50x 50
	As	11.37	6.03	0.00	0.00	21.36	21.36
	Mr	21.48	11.60	0.00	0.00	25.77	23.44
	N					40.63	46.22

Sünek Kolonlar Kesme Kuvvetleri Toplamı	196.98	203.55
Tüm Kolonlar Kesme Kuvvetleri Toplamı	196.98	203.55
Sünek / Tüm Oranı	1.00	1.00

BİLSAR A.Ş. MÜHENDİSLİK PROGRAMLARI (0212) 221 29 98 . HER HAKKI SAKLIDIR. SADECE TEM MÜHENDİSLİK LTD. TARAFINDAN KULLANILIR
S.S. KARAKÖY PERŞEMBE PAZARI TİCCARLARI TOPLU İŞYERİ YAPI KOOPERATİFİ 7. KAT KOLON KİRİŞ BİRLEŞİM BÖLGELERİ KESME GÜVENLİĞİ

NOKTA NO	ND	X Y B N Ü						Y Y B N Ü					
		K i r i ş			KOLON			K i r i ş			KOLON		
		SOL	SAG	ÜST	ALT	Ve		SOL	SAG	ÜST	ALT	Ve	
		ÜST	ALT	ÜST	ALT	Vr		ÜST	ALT	ÜST	ALT	Vr	
4	N			42/ 55	50x 50 50x 50			42/ 55			50x 50 50x 50		
	As	0.00	0.00	12.32	4.02	21.36	21.36	7.60	4.27	0.00	0.00	21.36	21.36
	V		0.00	64.62	16.08	16.78	48.53	39.89		0.00	16.16	16.86	23.73
	N				44.53	50.75	124.31				45.15	51.54	124.31
4	M		42/ 55	42/ 40	50x 80 50x 80			90/ 55			80x 50 80x 50		
	As	13.85	7.41	13.85	7.41	30.47	36.51	16.59	9.17	0.00	0.00	31.42	27.39
	V		111.59		111.59	41.05	48.64	87.03		0.00	23.40	22.90	64.13
	N				70.71	85.91	198.90				62.33	73.82	380.25
4	L		42/ 40	42/ 55	50x 80 50x 80			90/ 55			80x 50 80x 50		
	As	13.85	7.41	13.85	7.41	36.51	23.51	16.59	9.17	0.00	0.00	27.39	27.39
	V		111.59		111.59	46.54	49.09	87.03		0.00	21.84	23.18	65.19
	N				73.48	86.58	198.90				64.62	76.22	380.25
4	K		42/ 55		50x 50 50x 50			42/ 55			50x 50 50x 50		
	As	12.32	6.26	0.00	0.00	21.36	21.36	7.60	4.27	0.00	0.00	21.36	21.36
	V		64.62		0.00	15.83	16.54	39.89		0.00	15.92	16.62	23.97
	N				42.55	46.45	124.31				43.17	49.23	124.31
5	M			90/ 55	80x 50 80x 50			42/ 55	42/ 55		50x 80 50x 50		
	As	0.00	0.00	13.16	3.04	27.39	27.39	12.91	7.41	12.91	7.41	36.51	36.51
	V		0.00		95.27	24.10	25.25	106.65		106.65	51.82	53.53	55.33
	N				34.92	36.61	380.25				103.30	120.94	198.90
5	M		90/ 55	90/ 55	80x 80 80x 80			90/ 55	90/ 55		80x 80 80x 80		
	As	20.48	14.20	20.48	14.20	31.86	31.86	20.26	14.20	20.26	14.20	31.86	31.86
	V		181.98		181.98	63.54	67.37	180.82		180.82	63.44	67.28	117.39
	N				191.05	226.05	998.40 K				190.23	225.15	998.40 K
5	L		90/ 55	90/ 55	80x 80 80x 80			90/ 55	90/ 55		80x 80 80x 80		
	As	21.21	14.20	21.21	14.20	31.86	31.86	20.26	14.20	20.26	14.20	31.86	31.86
	V		185.77		185.77	63.81	67.57	180.82		180.82	63.82	67.60	117.00
	N				193.30	228.22	998.40 K				193.36	228.45	998.40 K
5	K		90/ 55		80x 50 80x 50			42/ 55	42/ 55		50x 80 50x 80		
	As	18.16	9.17	0.00	0.00	27.39	27.39	12.91	7.41	12.91	7.41	36.51	36.51
	V		95.27		0.00	23.68	24.80	106.65		106.65	50.79	53.10	55.86
	N				80.90	91.89	380.25				99.71	116.65	198.90
6	M			90/ 55	80x 50 80x 50			42/ 55	42/ 55		50x 80 50x 80		
	As	0.00	0.00	16.84	3.04	27.39	27.39	12.91	7.41	12.91	7.41	36.51	36.51
	V		0.00		88.35	24.57	25.76	106.65		106.65	51.88	54.19	54.76
	N				89.54	102.20	380.25				107.41	125.69	198.90
6	M		90/ 55	90/ 55	80x 80 80x 80			90/ 55	90/ 55		80x 80 80x 80		
	As	20.26	14.20	20.26	14.20	31.86	31.86	19.79	12.32	19.79	12.32	31.86	31.86
	V		180.82		180.82	65.26	66.57	168.46		168.46	65.26	66.57	103.20

N		205.74 442.46 998.40 K										205.75 442.48 998.40 K									
6	L	90/ 55	90/ 55	80x 80	80x 80		90/ 55	90/ 55	80x 80	80x 80		90/ 55	90/ 55	80x 80	80x 80						
	As	20.26	14.20	20.26	14.20	31.86	31.86	19.79	12.32	19.79	12.32	31.86	31.86								
	V	180.82		180.82		65.22	66.54	115.61		168.46		168.46		65.24	66.55	103.22					
	N					205.37	442.85	998.40	K			205.60	442.71	998.40	K						
6	K	90/ 55		80x 50	80x 50		42/ 55	42/ 55	50x 80	50x 80				50x 80	50x 80						
	As	16.84	9.17	0.00	0.00	27.39	27.39	12.91	7.41	12.91	7.41	36.51	36.51								
	V	88.35		0.00		24.18	25.36	64.17		106.65		106.65		51.31	53.62	55.34					
	N					85.75	97.81	380.25						103.29	120.89	198.90					
7	N		90/ 55	80x 50	80x 50		42/ 55	42/ 55	50x 80	50x 80				50x 80	50x 80						
	As	0.00	0.00	16.84	8.04	27.39	27.39	12.91	7.41	12.91	7.41	36.51	36.51								
	V		0.00	88.35		24.06	25.22	64.29		106.65		106.65		51.18	53.50	55.46					
	N					84.54	96.35	380.25						102.41	119.84	198.90					
7	M	90/ 55	90/ 55	80x 80	80x 80		90/ 55	90/ 55	80x 80	80x 80		90/ 55	90/ 55	80x 80	80x 80						
	As	20.26	14.20	20.26	14.20	31.86	31.86	19.79	12.32	19.79	12.32	31.86	31.86								
	V	180.82		180.82		65.24	66.59	115.59		168.46		168.46		65.24	66.59	103.22					
	N					205.57	442.26	998.40	K			205.58	442.28	998.40	K						
7	L	90/ 55	90/ 55	80x 80	80x 80		90/ 55	90/ 55	80x 80	80x 80		90/ 55	90/ 55	80x 80	80x 80						
	As	20.26	14.20	20.26	14.20	31.86	31.86	19.79	12.32	19.79	12.32	31.86	31.86								
	V	180.82		180.82		65.20	66.55	115.63		168.46		168.46		65.22	66.57	103.24					
	N					205.20	442.66	998.40	K			205.43	442.52	998.40	K						
7	K	90/ 55		80x 50	80x 50		42/ 55	42/ 55	50x 80	50x 80				50x 80	50x 80						
	As	16.84	9.17	0.00	0.00	27.39	27.39	12.91	7.41	12.91	7.41	36.51	36.51								
	V	88.35		0.00		23.67	24.81	64.66		106.65		106.65		50.59	52.90	56.06					
	N					80.79	92.01	380.25						58.33	115.09	198.90					
8	N		90/ 55	80x 50	80x 50		42/ 55	42/ 55	50x 80	50x 80				50x 80	50x 80						
	As	0.00	0.00	16.16	8.04	27.39	27.39	12.91	7.41	12.91	7.41	36.51	36.51								
	V		0.00	55.27		24.62	25.80	70.66		106.65		106.65		52.04	54.23	54.61					
	N					90.07	102.61	380.25						108.53	121.50	198.90					
8	M	90/ 55	90/ 55	80x 80	80x 80		90/ 55	90/ 55	80x 80	80x 80		90/ 55	90/ 55	80x 80	80x 80						
	As	20.48	14.20	20.48	14.20	31.86	31.86	20.26	14.20	20.26	14.20	31.86	31.86								
	V	181.98		181.98		63.57	67.39	118.41		180.82		180.82		63.47	67.30	117.36					
	N					191.29	226.25	998.40	K			190.47	225.35	998.40	K						
8	L	90/ 55	90/ 55	80x 80	80x 80		90/ 55	90/ 55	80x 80	80x 80		90/ 55	90/ 55	80x 80	80x 80						
	As	21.21	14.20	21.21	14.20	31.86	31.86	20.26	14.20	20.26	14.20	31.86	31.86								
	V	185.77		185.77		63.84	67.59	121.93		180.82		180.82		63.85	67.82	116.98					
	N					193.53	228.42	998.40	K			193.59	228.55	998.40	K						
8	K	90/ 55		80x 50	80x 50		42/ 55	42/ 55	50x 80	50x 80				50x 80	50x 80						
	As	18.16	9.17	0.00	0.00	27.33	27.33	12.91	7.41	12.91	7.41	36.51	36.51								
	V	95.27		0.00		24.22	25.37	71.06		106.65		106.65		51.54	53.84	55.11					
	N					86.09	97.94	380.25						104.90	122.70	198.90					
9	N		42/ 55	50x 50	50x 50		42/ 55	42/ 55	50x 50	50x 50		42/ 55	42/ 55	50x 50	50x 50						
	As	0.00	0.00	11.37	4.02	21.36	21.36	0.00	0.00	6.88	4.27	21.36	21.36								
	V		0.00	59.67		15.86	16.54	43.81		0.00	36.10	15.93	16.63	20.17							
	N					42.61	48.52	124.31				43.23	49.31	124.31							
9	M	42/ 55	42/ 40	50x 80	50x 80		90/ 55	90/ 55	80x 50	80x 50		90/ 55	90/ 55	80x 50	80x 50						
	As	13.85	7.41	13.85	7.41	30.47	36.51	0.00	0.00	16.59	8.04	31.42	27.39								
	V	111.59		111.59		40.95	48.58	70.64		0.00	87.03	23.33	22.86	64.17							
	N					70.15	85.46	198.90				61.77	73.47	380.25							
9	L	42/ 40	42/ 55	50x 80	50x 80		90/ 55	90/ 55	80x 50	80x 50		90/ 55	90/ 55	80x 50	80x 50						
	As	13.13	7.41	13.13	7.41	36.51	36.51	0.00	0.00	16.59	8.04	27.39	27.39								
	V	107.80		107.80		46.44	49.03	61.36		0.00	87.03	21.78	23.14	65.25							
	N					72.92	88.23	198.90				64.26	75.87	380.25							

9	K	42/ 55			50x 50	50x 50			42/ 55	50x 50	50x 50		
	As	11.37	6.03	0.00	0.00	21.36	21.36	0.00	0.00	6.35	4.27	21.36	21.36
	V	59.67			0.00	15.62	16.28	44.05	0.00	33.30	15.70	16.37	17.60
	N					40.63	46.22	124.31			41.25	46.99	124.31

BİLSAR A.Ş. MÜHENDİSLİK PROGRAMLARI (0212) 221 29 98 . HER HAKKI SAKLIDIR. SADECE TEM MÜHENDİSLİK LTD. TARAFINDAN KULLANILIR

S.S. KARAKÖY PERŞEMBE PAZARI TUCCARLARI TOPLU İŞYERİ YAPI KOOPERATİFİ 8. KAT SÜNEKLİK BİLGİLERİ

		X Y Ö N Ü					Y Y Ö N Ü																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																												
		K i r i ş		K O L O N		K i r i ş		K O L O N																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																											
SOL		SAĞ		TOPLAM		ÜST		ALT		TOPLAM		ÜST		ALT		TOPLAM		ÜST		ALT		TOPLAM		ÜST		ALT		TOPLAM		ÜST		ALT		TOPLAM		ÜST		ALT		TOPLAM		ÜST		ALT		TOPLAM		ÜST		ALT		TOPLAM		ÜST		ALT		TOPLAM		ÜST		ALT		TOPLAM		ÜST		ALT		TOPLAM		ÜST		ALT		TOPLAM		ÜST		ALT		TOPLAM		ÜST		ALT		TOPLAM		ÜST		ALT		TOPLAM		ÜST		ALT		TOPLAM		ÜST		ALT		TOPLAM		ÜST		ALT		TOPLAM		ÜST		ALT		TOPLAM		ÜST		ALT		TOPLAM		ÜST		ALT		TOPLAM		ÜST		ALT		TOPLAM		ÜST		ALT		TOPLAM		ÜST		ALT		TOPLAM		ÜST		ALT		TOPLAM		ÜST		ALT		TOPLAM		ÜST		ALT		TOPLAM		ÜST		ALT		TOPLAM		ÜST		ALT		TOPLAM		ÜST		ALT		TOPLAM		ÜST		ALT		TOPLAM		ÜST		ALT		TOPLAM		ÜST		ALT		TOPLAM		ÜST		ALT		TOPLAM		ÜST		ALT		TOPLAM		ÜST		ALT		TOPLAM		ÜST		ALT		TOPLAM		ÜST		ALT		TOPLAM		ÜST		ALT		TOPLAM		ÜST		ALT		TOPLAM		ÜST		ALT		TOPLAM		ÜST		ALT		TOPLAM		ÜST		ALT		TOPLAM		ÜST		ALT		TOPLAM		ÜST		ALT		TOPLAM		ÜST		ALT		TOPLAM		ÜST		ALT		TOPLAM		ÜST		ALT		TOPLAM		ÜST		ALT		TOPLAM		ÜST		ALT		TOPLAM		ÜST		ALT		TOPLAM		ÜST		ALT		TOPLAM		ÜST		ALT		TOPLAM		ÜST		ALT		TOPLAM		ÜST		ALT		TOPLAM		ÜST		ALT		TOPLAM		ÜST		ALT		TOPLAM		ÜST		ALT		TOPLAM		ÜST		ALT		TOPLAM		ÜST		ALT		TOPLAM		ÜST		ALT		TOPLAM		ÜST		ALT		TOPLAM		ÜST		ALT		TOPLAM		ÜST		ALT		TOPLAM		ÜST		ALT		TOPLAM		ÜST		ALT		TOPLAM		ÜST		ALT		TOPLAM		ÜST		ALT		TOPLAM		ÜST		ALT		TOPLAM		ÜST		ALT		TOPLAM		ÜST		ALT		TOPLAM		ÜST		ALT		TOPLAM		ÜST		ALT		TOPLAM		ÜST		ALT		TOPLAM		ÜST		ALT		TOPLAM		ÜST		ALT		TOPLAM		ÜST		ALT		TOPLAM		ÜST		ALT		TOPLAM		ÜST		ALT		TOPLAM		ÜST		ALT		TOPLAM		ÜST		ALT		TOPLAM		ÜST		ALT		TOPLAM		ÜST		ALT		TOPLAM		ÜST		ALT		TOPLAM		ÜST		ALT		TOPLAM		ÜST		ALT		TOPLAM		ÜST		ALT		TOPLAM		ÜST		ALT		TOPLAM		ÜST		ALT		TOPLAM		ÜST		ALT		TOPLAM		ÜST		ALT		TOPLAM		ÜST		ALT		TOPLAM		ÜST		ALT		TOPLAM		ÜST		ALT		TOPLAM		ÜST		ALT		TOPLAM		ÜST		ALT		TOPLAM		ÜST		ALT		TOPLAM		ÜST		ALT		TOPLAM		ÜST		ALT		TOPLAM		ÜST		ALT		TOPLAM		ÜST		ALT		TOPLAM		ÜST		ALT		TOPLAM		ÜST		ALT		TOPLAM		ÜST		ALT		TOPLAM		ÜST		ALT		TOPLAM		ÜST		ALT		TOPLAM		ÜST		ALT		TOPLAM		ÜST		ALT		TOPLAM		ÜST		ALT		TOPLAM		ÜST		ALT		TOPLAM		ÜST		ALT		TOPLAM		ÜST		ALT		TOPLAM		ÜST		ALT		TOPLAM		ÜST		ALT		TOPLAM		ÜST		ALT		TOPLAM		ÜST		ALT		TOPLAM		ÜST		ALT		TOPLAM		ÜST		ALT		TOPLAM		ÜST		ALT		TOPLAM		ÜST		ALT		TOPLAM		ÜST		ALT		TOPLAM		ÜST		ALT		TOPLAM		ÜST		ALT		TOPLAM		ÜST		ALT		TOPLAM		ÜST		ALT		TOPLAM		ÜST		ALT		TOPLAM		ÜST		ALT		TOPLAM		ÜST		ALT		TOPLAM		ÜST		ALT		TOPLAM		ÜST		ALT		TOPLAM		ÜST		ALT		TOPLAM		ÜST		ALT		TOPLAM		ÜST		ALT		TOPLAM		ÜST		ALT		TOPLAM		ÜST		ALT		TOPLAM		ÜST		ALT		TOPLAM		ÜST		ALT		TOPLAM		ÜST		ALT		TOPLAM		ÜST		ALT		TOPLAM		ÜST		ALT		TOPLAM		ÜST		ALT		TOPLAM		ÜST		ALT		TOPLAM		ÜST		ALT		TOPLAM		ÜST		ALT		TOPLAM		ÜST		ALT		TOPLAM		ÜST		ALT		TOPLAM		ÜST		ALT		TOPLAM		ÜST		ALT		TOPLAM		ÜST		ALT		TOPLAM		ÜST		ALT		TOPLAM		ÜST		ALT		TOPLAM		ÜST		ALT		TOPLAM		ÜST		ALT		TOPLAM		ÜST		ALT		TOPLAM		ÜST		ALT		TOPLAM		ÜST		ALT		TOPLAM		ÜST		ALT		TOPLAM		ÜST		ALT		TOPLAM		ÜST		ALT		TOPLAM		ÜST		ALT		TOPLAM		ÜST		ALT		TOPLAM		ÜST		ALT		TOPLAM		ÜST	

		As 18.98 14.20 18.98 14.20		31.86 31.86		18.85 12.32 18.85 12.32		31.86 31.86	
		Mr 36.10 27.23 36.10 27.23	75.99	91.37 97.89 189.26	12.44	35.85 23.71 35.85 23.71	71.48	91.39 97.89 189.28	12.42
		N		170.91 205.74				171.00 205.75	
6	L	90/ 55 90/ 55		80x 80 80x 80		90/ 55 90/ 55		80x 80 80x 80	
		As 18.98 14.20 18.98 14.20		31.86 31.86		18.85 12.32 18.85 12.32		31.86 31.86	
		Mr 36.10 27.23 36.10 27.23	75.99	91.32 97.82 189.14	12.45	35.85 23.71 35.85 23.71	71.48	91.36 97.86 189.23	12.43
		N		170.62 205.37				170.85 205.60	
6	K	90/ 55		80x 50 80x 50		42/ 55 42/ 55		50x 80 50x 80	
		As 15.65 8.04 0.00 0.00		27.39 27.39		12.91 7.41 12.91 7.41		36.51 36.51	
		Mr 29.90 15.74 0.00 0.00	35.89	34.23 36.28 70.50	5.68	24.32 14.18 24.32 14.18	46.20	72.94 76.96 149.90	6.36
		N		73.11 85.75				85.70 103.29	
7	N	90/ 55		80x 50 80x 50		42/ 55 42/ 55		50x 80 50x 80	
		As 0.00 0.00 15.65 8.04		27.39 27.39		12.91 7.41 12.91 7.41		36.51 36.51	
		Mr 0.00 0.00 29.90 15.74	35.89	34.05 36.09 70.15	5.68	24.32 14.18 24.32 14.18	46.20	72.76 76.78 149.53	6.37
		N		72.12 84.54				84.97 102.41	
7	M	90/ 55 90/ 55		80x 80 80x 80		90/ 55 90/ 55		80x 80 80x 80	
		As 18.98 14.20 18.98 14.20		31.86 31.86		18.85 12.32 18.85 12.32		31.86 31.86	
		Mr 36.10 27.23 36.10 27.23	75.99	91.35 97.86 189.21	12.44	35.85 23.71 35.85 23.71	71.48	91.37 97.86 189.23	12.42
		N		170.80 205.57				170.89 205.58	
7	L	90/ 55 90/ 55		80x 80 80x 80		90/ 55 90/ 55		80x 80 80x 80	
		As 18.98 14.20 18.98 14.20		31.86 31.86		18.85 12.32 18.85 12.32		31.86 31.86	
		Mr 36.10 27.23 36.10 27.23	75.99	91.29 97.80 189.09	12.45	35.85 23.71 35.85 23.71	71.48	91.34 97.83 189.18	12.43
		N		170.51 205.20				170.74 205.43	
7	K	90/ 55		80x 50 80x 50		42/ 55 42/ 55		50x 80 50x 80	
		As 15.65 8.04 0.00 0.00		27.39 27.39		12.91 7.41 12.91 7.41		36.51 36.51	
		Mr 29.90 15.74 0.00 0.00	35.89	33.51 35.50 69.01	5.68	24.32 14.18 24.32 14.18	46.20	71.91 75.89 147.80	6.36
		N		68.99 80.79				81.83 98.33	
8	N	90/ 55		80x 50 80x 50		42/ 55 42/ 55		50x 80 50x 80	
		As 0.00 0.00 15.65 8.04		27.39 27.39		12.91 7.41 12.91 7.41		36.51 36.51	
		Mr 0.00 0.00 31.65 15.74	37.98	34.08 36.93 71.01	5.97	24.32 14.18 24.32 14.18	46.20	74.00 78.05 152.06	6.38
		N		70.02 90.07				90.12 108.53	
8	M	90/ 55 90/ 55		80x 80 80x 80		90/ 55 90/ 55		80x 80 80x 80	
		As 20.26 14.20 20.26 14.20		31.86 31.86		18.57 10.68 18.57 10.68		31.86 31.86	
		Mr 38.48 27.23 38.48 27.23	78.85	89.25 95.35 184.60	12.68	35.32 20.67 35.32 20.67	67.19	89.08 95.20 184.26	12.67
		N		160.88 191.29				160.01 190.47	
8	L	90/ 55 90/ 55		80x 80 80x 80		90/ 55 90/ 55		80x 80 80x 80	
		As 20.26 14.20 20.26 14.20		31.86 31.86		18.57 10.68 18.57 10.68		31.86 31.86	
		Mr 38.48 27.23 38.48 27.23	78.85	89.61 95.76 185.37	12.68	35.32 20.67 35.32 20.67	67.19	89.58 95.77 185.35	12.68
		N		162.57 193.53				162.41 193.59	
8	K	90/ 55		80x 50 80x 50		42/ 55 42/ 55		50x 80 50x 80	
		As 16.59 9.17 0.00 0.00		27.39 27.39		12.91 7.41 12.91 7.41		36.51 36.51	
		Mr 31.65 17.85 0.00 0.00	37.98	34.32 36.33 70.65	5.96	24.32 14.18 24.32 14.18	46.20	73.28 77.30 150.59	6.36
		N		73.64 86.09				87.11 104.90	
9	N	42/ 55		50x 50 50x 50		42/ 55		50x 50 50x 50	
		As 0.00 0.00 10.30 4.02		21.36 21.36		0.00 0.00 6.06 3.39		21.36 21.36	
		Mr 0.00 0.00 19.48 7.85	23.37	22.67 23.79 46.46	3.11	0.00 0.00 11.66 6.68	13.99	22.75 23.90 46.65	3.04
		N		36.39 42.61				36.82 43.23	
9	M	42/ 55		50x 80 50x 80		90/ 55		80x 50 80x 50	
		As 13.89 7.10 0.00 0.00		36.51 30.47		0.00 0.00 9.93 6.53		27.39 31.42	
		Mr 26.08 13.59 0.00 0.00	31.30	65.47 61.42 127.89	3.91	0.00 0.00 19.26 12.92	23.12	30.96 35.00 65.96	5.34
		N		61.47 70.15				54.82 61.77	
9	L	42/ 55		50x 80 50x 80		90/ 55		80x 50 80x 50	
		As 0.00 0.00 13.89 4.02		36.51 36.51		0.00 0.00 10.46 5.65		27.39 27.39	
		Mr 0.00 0.00 25.87 7.85	31.30	67.87 63.66 131.53	3.91	0.00 0.00 20.44 12.92	23.12	31.30 35.34 66.64	5.34
		N		63.66 70.15				54.82 61.77	

0.00	0.00	23.87	7.83	31.00	87.07	87.00	138.73	3.31	0.00	0.00	20.28	11.27	24.32	31.30	32.87	88.38	3.33
N					63.55	72.92								56.67	64.26		
9	K	42/ 55			50x 50	50x 50					42/ 55			50x 50	50x 50		
As	10.30	5.15	0.00	0.00	21.36	21.36			0.00	0.00	5.81	3.80		21.36	21.36		
Mr	19.50	9.96	0.00	0.00	23.41	22.37	23.44	45.81	3.12	0.00	0.00	11.19	7.44	13.43	22.45	23.55	46.00
N					34.74	40.63								35.17	41.25		3.05

Sünek Kolonlar Kesme Kuvvetleri Toplamı 175.16
Tüm Kolonlar Kesme Kuvvetleri Toplamı 175.16
Sünek / Tüm Oranı 1.00

182.59
182.59
1.00

BİLSAR A.Ş. MÜHENDİSLİK PROGRAMLARI (0212) 221 29 98 . HER HAKKI SAKLIDIR. SADECE TEM MÜHENDİSLİK LTD. TARAFINDAN KULLANILIR
S.S. KARAKÖY PERŞEMBE PAZARI TUCCARLARI TOPLU İŞYERİ YAPI KOOPERATİFİ 8. KAT KOLON KİRİŞ BİRLEŞİM BÖLGELERİ KESME GÜVENLİĞİ

X Y Ö N Ü											Y Y Ö N Ü										
		K i r i ş				KOLON						K i r i ş				KOLON					
NOKTA NO	MD	SOL		SAĞ		ÜST		ALT		Ve Vr	SOL		SAĞ		ÜST		ALT		Ve Vr		
		ÜST	ALT	ÜST	ALT	ÜST	ALT	ÜST	ALT		ÜST	ALT	ÜST	ALT	ÜST	ALT					
4	N			42/ 55		50x 50	50x 50				42/ 55				50x 50	50x 50					
	As	0.00	0.00	11.37	4.02	21.36	21.36				7.60	3.80	0.00	0.00	21.36	21.36					
	V		0.00		59.67	15.31	15.08	44.36			39.89		0.00		15.36	16.16	24.53				
	N					37.99	44.53	124.31							38.42	45.15	124.31				
4	M		42/ 55			50x 80	50x 80				90/ 55				80x 50	80x 50					
	As	13.89	7.10	0.00	0.00	35.51	30.47				13.01	6.53	0.00	0.00	27.39	31.42					
	V		72.86		0.00	44.38	41.05	31.81			68.24		0.00		20.68	23.40	47.55				
	N					61.79	70.71	198.90							55.14	62.33	380.25				
4	L			42/ 55		50x 80	50x 80				90/ 55				80x 50	80x 50					
	As	0.00	0.00	13.89	4.02	35.51	35.51				13.95	7.07	0.00	0.00	27.39	27.39					
	V		0.00		72.86	44.77	46.54	28.08			73.19		0.00		20.90	21.84	52.28				
	N					63.27	73.48	198.90							58.99	64.22	380.25				
4	K		42/ 55			50x 50	50x 50				42/ 55				50x 50	50x 50					
	As	11.37	6.03	0.00	0.00	21.36	21.36				7.60	3.80	0.00	0.00	21.36	21.36					
	V		59.67		0.00	15.11	15.25	44.56			39.89		0.00		15.16	15.02	24.73				
	N					36.35	42.55	124.31							36.78	43.17	124.31				
5	N			90/ 55		80x 50	80x 50				42/ 55		42/ 55		50x 80	50x 80					
	As	0.00	0.00	16.59	6.04	27.39	27.39				12.91	7.41	12.91	7.41	36.51	36.51					
	V		0.00		37.03	22.76	24.10	64.27			106.65		106.65		48.65	51.32	58.90				
	N					72.63	84.92	380.25							85.83	103.33	198.90				
5	M		90/ 55		90/ 55	80x 80	80x 80				90/ 55		90/ 55		80x 80	80x 80					
	As	20.26	14.20	20.26	14.20	31.86	31.86				18.57	10.68	18.57	10.68	31.86	31.86					
	V		180.82		180.82	59.47	63.54	121.35			153.46		153.46		59.35	63.44	94.11				
	N					160.72	191.05	998.40 K							159.85	190.23	998.40 K				
5	L		90/ 55		90/ 55	80x 80	80x 80				90/ 55		90/ 55		80x 80	80x 80					
	As	20.26	14.20	20.26	14.20	31.86	31.86				18.57	10.68	18.57	10.68	31.86	31.86					
	V		180.82		180.82	59.72	63.81	121.11			153.46		153.46		59.69	63.82	93.77				
	N					162.40	193.30	998.40 K							162.24	193.36	998.40 K				
5	K		90/ 55			80x 50	80x 50				42/ 55		42/ 55		50x 80	50x 80					
	As	16.59	9.17	0.00	0.00	27.39	27.39				12.91	7.41	12.91	7.41	36.51	36.51					
	V		87.03		0.00	22.37	23.68	54.66			106.65		106.65		48.14	50.79	58.51				
	N					69.30	80.90	380.25							82.77	99.71	198.90				
6	N			90/ 55		80x 50	80x 50				42/ 55		42/ 55		50x 80	50x 80					
	As	0.00	0.00	15.65	8.04	27.39	27.39				12.91	7.41	12.91	7.41	36.51	36.51					
	V		0.00		82.09	23.18	24.57	58.91			106.65		106.65		49.18	51.88	57.47				
	N					76.29	89.54	380.25							89.14	107.41	198.90				
6	M		90/ 55		90/ 55	80x 80	80x 80				90/ 55		90/ 55		80x 80	80x 80					

As 18.98 14.20 18.98 14.20 31.86 31.86 18.85 12.32 18.85 12.32 31.86 31.86													
V	174.07	174.07	60.92	65.26	113.15	163.52	163.52	60.93	65.26	102.59			
N			170.91	205.74	998.40	K		171.00	205.75	998.40	K		
6	L	90/ 55	90/ 55	80x 80	80x 80		90/ 55	90/ 55	80x 80	80x 80			
	As	18.98	14.20	18.98	14.20	31.86	31.86	18.85	12.32	18.85	12.32	31.86	31.86
	V	174.07	174.07	60.88	65.22	113.19	163.52	163.52	60.91	65.24	102.61		
	N			170.62	205.37	998.40	K		170.85	205.60	998.40	K	
6	K	90/ 55		80x 50	80x 50		42/ 55	42/ 55	50x 80	50x 80			
	As	15.65	8.04	0.00	0.00	27.39	27.39	12.91	7.41	12.91	7.41	36.51	36.51
	V	82.09		0.00		22.82	24.18	59.27	106.65	106.65	48.62	51.31	58.02
	N					73.11	85.75	380.25			85.70	103.29	198.90
7	N		90/ 55	80x 50	80x 50		42/ 55	42/ 55	50x 80	50x 80			
	As	0.00	0.00	15.65	8.04	27.39	27.39	12.91	7.41	12.91	7.41	36.51	36.51
	V	0.00	82.09			22.70	24.06	59.39	106.65	106.65	48.50	51.18	58.14
	N					72.12	84.54	380.25			84.97	102.41	198.90
7	M	90/ 55	90/ 55	80x 80	80x 80		90/ 55	90/ 55	80x 80	80x 80			
	As	18.98	14.20	18.98	14.20	31.86	31.86	18.85	12.32	18.85	12.32	31.86	31.86
	V	174.07	174.07	60.90	65.24	113.16	163.52	163.52	60.91	65.24	102.60		
	N			170.80	205.57	998.40	K		170.89	205.58	998.40	K	
7	L	90/ 55	90/ 55	80x 80	80x 80		90/ 55	90/ 55	80x 80	80x 80			
	As	18.98	14.20	18.98	14.20	31.86	31.86	18.85	12.32	18.85	12.32	31.86	31.86
	V	174.07	174.07	60.86	65.20	113.20	163.52	163.52	60.89	65.22	102.62		
	N			170.51	205.20	998.40	K		170.74	205.43	998.40	K	
7	K	90/ 55		80x 50	80x 50		42/ 55	42/ 55	50x 80	50x 80			
	As	15.65	8.04	0.00	0.00	27.39	27.39	12.91	7.41	12.91	7.41	36.51	36.51
	V	82.09		0.00		22.34	23.67	59.75	106.65	106.65	47.94	50.59	58.71
	N					63.99	80.79	380.25			81.58	98.33	198.90
8	N		90/ 55	80x 50	80x 50		42/ 55	42/ 55	50x 80	50x 80			
	As	0.00	0.00	15.59	8.04	27.39	27.39	12.91	7.41	12.91	7.41	36.51	36.51
	V	0.00	87.03			23.25	24.62	63.78	106.65	106.65	49.33	52.04	57.21
	N					75.92	90.07	380.25			90.12	108.53	198.90
8	M	90/ 55	90/ 55	80x 80	80x 80		90/ 55	90/ 55	80x 80	80x 80			
	As	20.26	14.20	20.26	14.20	31.86	31.86	18.57	10.68	18.57	10.68	31.86	31.86
	V	180.82	180.82	59.50	63.57	121.33	153.46	153.46	59.37	63.47	94.03		
	N			150.88	191.29	998.40	K		160.01	190.47	998.40	K	
8	L	90/ 55	90/ 55	80x 80	80x 80		90/ 55	90/ 55	80x 80	80x 80			
	As	20.26	14.20	20.26	14.20	31.86	31.86	18.57	10.68	18.57	10.68	31.86	31.86
	V	180.82	180.82	59.74	63.84	121.08	153.46	153.46	59.72	63.85	93.74		
	N			162.57	193.53	998.40	K		162.41	193.59	998.40	K	
8	K	90/ 55		80x 50	80x 50		42/ 55	42/ 55	50x 80	50x 80			
	As	16.59	9.17	0.00	0.00	27.39	27.39	12.91	7.41	12.91	7.41	36.51	36.51
	V	87.03		0.00		22.88	24.22	64.15	106.65	106.65	48.85	51.54	57.79
	N					73.64	86.09	380.25			87.11	104.90	198.90
9	N		42/ 55	50x 50	50x 50			42/ 55	50x 50	50x 50			
	As	0.00	0.00	10.30	4.02	21.36	21.36	0.00	0.00	6.06	3.39	21.36	21.36
	V	0.00	54.07			15.11	15.86	38.95	0.00	31.81	15.17	15.93	16.65
	N					36.39	42.61	124.31			36.82	43.23	124.31
9	M	42/ 55		50x 80	50x 80			90/ 55	80x 50	80x 50			
	As	13.89	7.10	0.00	0.00	36.51	30.47	0.00	0.00	9.93	6.53	27.39	31.42
	V	72.86		0.00		44.31	40.95	31.91	0.00	52.09	20.64	23.33	31.45
	N					61.47	70.15	198.90			54.82	61.77	380.25
9	L		42/ 55	50x 80	50x 80			90/ 55	80x 50	80x 50			
	As	0.00	0.00	13.89	4.02	36.51	36.51	0.00	0.00	10.46	5.65	27.39	27.39
	V	0.00				14.71	15.46	38.15	0.00	31.81	15.17	15.93	16.65
	N					36.39	42.61	124.31			36.82	43.23	124.31

V	0.00	72.56	44.71	46.44	28.13	0.00	34.83	20.88	21.78	34.03
N			63.55	72.92	198.90			56.67	64.26	380.25

9	K	42/ 55			50x 50	50x 50		42/ 55	50x 50	50x 50
	As	10.30	5.15	0.00	0.00	21.36	21.36	0.00	0.00	5.81 3.80
	V	54.07		0.00		14.91	15.62	39.15	0.00	30.49
	N					34.74	40.63	124.31		35.17 41.25 124.31

BİLSAR A.Ş. MÜHENDİSLİK PROGRAMLARI (0212) 221 29 98 . HER HAKKI SAKLIDIR. SADECE TEM MÜHENDİSLİK LTD. TARAFINDAN KULLANILIR
S.S. KARAGÖY PERŞEMBE PAZARI TİCCARLARI TOPLU İŞYERİ YAPI KOOPERATİFİ 9. KAT SÜNEKLİK BİLGİLERİ

NOKTA NO		K İ R İ Ş				K O L O N				Vis	K İ R İ Ş				K O L O N				Vis
		SOL		SAĞ		TOPLAM		TOPLAM			SOL		SAĞ		TOPLAM		TOPLAM		
		ÜST	ALT	ÜST	ALT	*1.2	ÜST	ALT	*1.2		ÜST	ALT	ÜST	ALT	*1.2	ÜST	ALT	*1.2	
4	N			42/ 55			45x 45 50x 50				42/ 55			45x 45 50x 50					
	As	0.00	0.00	10.30	4.02		12.32	21.36			6.88	3.80	0.00	0.00		12.32	21.36		
	Mr	0.00	0.00	19.48	7.85	23.37	13.41	22.96	36.37	2.82	13.18	7.44	0.00	0.00	15.82	13.46	23.04	36.50	2.77
	N						31.05	37.99								31.37	38.42		
4	M		42/ 55		42/ 40		45x 70 50x 80				90/ 55			70x 45 80x 50					
	As	12.91	7.41	12.91	7.41		27.33	36.51			15.65	8.04	0.00	0.00		24.25	27.39		
	Mr	24.32	14.18	17.25	10.12	41.33	42.96	66.57	109.52	3.10	29.90	15.74	0.00	0.00	35.89	22.97	31.02	53.99	4.89
	N						46.21	61.79								42.34	55.14		
4	L		42/ 40		42/ 55		45x 70 50x 80				90/ 55			70x 45 80x 50					
	As	12.91	7.41	12.91	7.41		27.33	36.51			15.65	8.04	0.00	0.00		24.25	27.39		
	Mr	17.25	10.12	24.32	14.18	41.33	43.49	67.16	110.65	3.10	29.90	15.74	0.00	0.00	35.89	23.28	31.35	54.64	4.93
	N						48.29	63.67								44.27	56.99		
4	K		42/ 55				45x 45 50x 50				42/ 55			45x 45 50x 50					
	As	10.30	5.15	0.00	0.00		12.32	21.36			6.88	3.80	0.00	0.00		12.32	21.36		
	Mr	19.50	9.96	0.00	0.00	23.41	13.20	22.66	35.86	2.82	12.19	6.68	0.00	0.00	14.83	13.25	22.74	35.99	2.77
	N						23.73	36.35								36.05	58.78		
5	N			90/ 55			70x 45 80x 50				42/ 55		42/ 55	45x 70 50x 80					
	As	0.00	0.00	14.36	8.04		24.25	27.39			11.62	6.28	11.62	6.28		27.33	36.51		
	Mr	0.00	0.00	27.52	15.74	33.02	25.66	34.14	59.81	5.44	21.94	12.07	21.94	12.07	40.81	48.14	72.97	121.10	5.54
	N						51.51	72.63								68.26	85.83		
5	M		90/ 55		90/ 55		70x 70 80x 80				90/ 55		90/ 55	70x 70 80x 80					
	As	18.25	14.20	18.25	14.20		36.44	31.86			17.44	14.20	17.44	14.20		33.80	31.86		
	Mr	34.76	27.23	34.76	27.23	74.38	72.32	89.21	161.53	11.05	33.24	27.23	33.24	27.23	72.57	69.40	89.02	158.42	10.61
	N						125.50	160.72								124.83	159.85		
5	L		90/ 55		90/ 55		70x 70 80x 80				90/ 55		90/ 55	70x 70 80x 80					
	As	18.25	14.20	18.25	14.20		36.44	31.86			17.72	14.20	17.72	14.20		33.80	31.86		
	Mr	34.76	27.23	34.76	27.23	74.38	72.65	89.58	162.22	11.05	33.77	27.23	33.77	27.23	73.20	69.82	89.54	159.36	10.61
	N						127.26	162.40								127.06	162.24		
5	K		90/ 55				70x 45 80x 50				42/ 55		42/ 55	45x 70 50x 80					
	As	15.65	8.04	0.00	0.00		24.25	27.39			11.62	6.28	11.62	6.28		27.33	36.51		
	Mr	29.90	15.74	0.00	0.00	35.89	25.26	33.56	58.82	5.45	21.94	12.07	21.94	12.07	40.81	47.61	72.21	119.82	5.54
	N						56.88	69.30								65.82	82.77		
5	N			90/ 55			70x 45 80x 50				42/ 55		42/ 55	45x 70 50x 80					
	As	0.00	0.00	14.36	8.04		24.25	27.39			11.62	6.28	11.62	6.28		27.33	36.51		
	Mr	0.00	0.00	27.52	15.74	33.02	25.09	34.77	60.86	5.19	21.94	12.07	21.94	12.07	40.81	48.68	73.77	122.45	5.53
	N						62.32	76.29								70.87	89.14		
6	M		90/ 55		90/ 55		70x 70 80x 80				90/ 55		90/ 55	70x 70 80x 80					
	As	17.72	14.20	17.72	14.20		33.80	31.86			17.56	12.32	17.56	12.32		36.44	31.86		
	Mr	33.77	27.23	33.77	27.23	73.20	71.45	91.37	162.83	10.84	33.47	23.72	33.47	23.72	68.62	74.26	91.39	165.66	10.97
	N						136.15	170.91								136.26	171.00		
6	L		90/ 55		90/ 55		70x 70 80x 80				90/ 55		90/ 55	70x 70 80x 80					

	As	17.44	14.20	17.44	14.20	33.80	31.86		17.56	12.32	17.56	12.32		36.44	31.86
	Mr	33.24	27.23	33.24	27.23	72.57	71.41	91.32	162.73	10.84	33.47	23.72	33.47	23.72	68.62
	N						135.93	170.62							74.25
															91.36
															165.61
															10.96
6	K	90/ 55				70x 45 80x 50			42/ 55		42/ 55			45x 70 50x 80	
	As	15.65	8.04	0.00	0.00	24.25	27.39		11.62	6.28	11.62	6.28		27.33	36.51
	Mr	29.90	15.74	0.00	0.00	35.89	25.70	34.23	59.92	5.19	21.94	12.07	21.94	12.07	40.81
	N					59.74	73.11							48.11	72.94
														121.04	5.53
														68.11	85.70
7	N	90/ 55				70x 45 80x 50			42/ 55		42/ 55			45x 70 50x 80	
	As	0.00	0.00	14.36	8.04	24.25	27.39		11.62	6.28	11.62	6.28		27.33	36.51
	Mr	0.00	0.00	27.52	15.74	33.02	25.58	34.05	59.64	5.19	21.94	12.07	21.94	12.07	40.81
	N					59.00	72.12							47.98	72.76
														120.74	5.53
														67.55	84.97
7	M	90/ 55	90/ 55			70x 70 80x 80			90/ 55		90/ 55			70x 70 80x 80	
	As	17.72	14.20	17.72	14.20	33.80	31.86		17.56	12.32	17.56	12.32		36.44	31.86
	Mr	33.77	27.23	33.77	27.23	73.20	71.43	91.35	162.78	10.84	33.47	23.72	33.47	23.72	68.62
	N					136.03	170.80							74.24	91.37
														165.61	10.97
														136.14	170.89
7	L	90/ 55	90/ 55			70x 70 80x 80			90/ 55		90/ 55			70x 70 80x 80	
	As	17.44	14.20	17.44	14.20	33.80	31.86		17.56	12.32	17.56	12.32		36.44	31.86
	Mr	33.24	27.23	33.24	27.23	72.57	71.39	91.29	162.68	10.84	33.47	23.72	33.47	23.72	68.62
	N					135.80	170.51							74.23	91.34
														165.57	10.96
														136.06	170.74
7	K	90/ 55				70x 45 80x 50			42/ 55		42/ 55			45x 70 50x 80	
	As	15.65	8.04	0.00	0.00	24.25	27.39		11.62	6.28	11.62	6.28		27.33	36.51
	Mr	29.90	15.74	0.00	0.00	35.89	25.20	33.51	58.70	5.13	21.94	12.07	21.94	12.07	40.81
	N					56.46	68.99							47.39	71.91
														119.31	5.53
														64.83	81.58
8	N	90/ 55				70x 45 80x 50			42/ 55		42/ 55			45x 70 50x 80	
	As	0.00	0.00	14.36	8.04	24.25	27.39		11.62	6.28	11.62	6.28		27.33	36.51
	Mr	0.00	0.00	27.52	15.74	33.02	26.18	34.38	61.06	5.45	21.94	12.07	21.94	12.07	40.81
	N					62.96	76.92							48.86	74.06
														122.86	5.54
														71.71	90.12
8	M	90/ 55	90/ 55			70x 70 80x 80			90/ 55		90/ 55			70x 70 80x 80	
	As	18.25	14.20	18.25	14.20	33.80	31.86		17.44	14.20	17.44	14.20		36.44	31.86
	Mr	34.76	27.23	34.76	27.23	74.38	69.55	89.25	150.81	11.05	33.24	27.23	33.24	27.23	72.57
	N					125.69	160.38							72.23	89.86
														161.28	10.61
														125.62	160.91
8	L	90/ 55	90/ 55			70x 70 80x 80			90/ 55		90/ 55			70x 70 80x 80	
	As	18.25	14.20	18.25	14.20	33.80	31.86		17.72	14.20	17.72	14.20		36.44	31.86
	Mr	34.76	27.23	34.76	27.23	74.38	69.89	89.61	159.50	11.05	33.77	27.23	33.77	27.23	73.20
	N					127.45	162.57							72.55	89.58
														162.22	10.61
														127.25	162.41
8	K	90/ 55				70x 45 80x 50			42/ 55		42/ 55			45x 70 50x 80	
	As	15.65	8.04	0.00	0.00	24.25	27.39		11.62	6.28	11.62	6.28		27.33	36.51
	Mr	29.90	15.74	0.00	0.00	35.89	25.79	34.32	60.11	5.44	21.94	12.07	21.94	12.07	40.81
	N					60.37	73.54							48.36	72.28
														121.84	5.54
														69.51	87.11
9	N	42/ 55				45x 45 50x 50			42/ 55					45x 45 50x 50	
	As	0.00	0.00	9.36	4.02	12.32	21.36		0.00	0.00	5.34	3.39		12.32	21.36
	Mr	0.00	0.00	17.76	7.85	21.31	13.21	22.67	35.88	2.82	0.00	0.00	10.32	6.67	12.38
	N					29.77	36.39							13.26	22.75
														36.01	2.77
														30.09	36.82
9	M	42/ 55	42/ 40			45x 70 50x 80			90/ 55					70x 45 80x 50	
	As	11.84	6.28	11.84	6.28	27.33	36.51		0.00	0.00	14.36	8.04		24.25	27.39
	Mr	22.34	12.07	15.86	8.63	37.17	42.82	66.47	109.29	3.10	0.00	0.00	27.52	15.74	33.02
	N					45.68	61.47							22.88	30.96
														53.84	4.89
														41.81	54.82
9	L	42/ 40	42/ 55			45x 70 50x 80			90/ 55					70x 45 80x 50	
	As	11.84	6.28	11.84	6.28	27.33	36.51		0.00	0.00	14.36	8.04		24.25	27.39
	Mr	15.86	8.63	22.34	12.07	37.17	43.35	67.07	110.42	3.10	0.00	0.00	27.52	15.74	33.02
	N					47.75	63.55							23.19	31.30
														54.49	4.93
														43.73	56.67
9	K	42/ 55				45x 45 50x 50			42/ 55					45x 45 50x 50	
	As	9.36	5.15	0.00	0.00	12.32	21.36		0.00	0.00	4.93	3.39		12.32	21.36

Mr	17.78	9.96	0.00	0.00	21.33	13.00	22.37	35.37	2.82	0.00	0.00	9.55	6.67	11.46	13.05	22.45	35.50	2.77
N						28.45	34.74								28.77	35.17		

Sünek Kolonlar Kesme Kuvvetleri Toplamı	153.76	161.30
Tüm Kolonlar Kesme Kuvvetleri Toplamı	153.76	161.30
Sünek / Tüm Oranı	1.00	1.00

BİLSAR A.Ş. MÜHENDİSLİK PROGRAMLARI (0212) 221 29 98 . HER HAKKI SAKLIDIR. SADECE TEM MÜHENDİSLİK LTD. TARAFINDAN KULLANILIR
S.S. KARAKÖY PERŞEMBE PAZARI TUCCARLARI TOPLU İŞYERİ YAPI KOOPERATİFİ 9. KAT KOLON KİRİŞ BİRLEŞİM BÖLGELERİ KESME GÜVENLİĞİ

NOKTA NO		X Y Ö N Ü						Y Y Ö N Ü					
		K i r i ş			KOLON			K i r i ş			KOLON		
		SOL	SAĞ		ÜST	ALT	Ve	SOL	SAĞ		ÜST	ALT	Ve
		ÜST	ALT	ÜST	ALT		Vr	ÜST	ALT	ÜST	ALT		Vr
4	N			42/ 55	45x 45 50x 50			42/ 55			45x 45 50x 50		
	As	0.00	0.00	10.30	4.02	12.32	21.36	6.88	3.80	0.00	0.00	12.32	21.36
	V		0.00		54.07	8.94	15.31	45.12	36.10		0.00	8.97	15.36
	N					31.05	37.99	124.31				31.37	38.42
												124.31	
4	M		42/ 55	42/ 40	45x 70 50x 80			90/ 55			70x 45 80x 50		
	As	12.91	7.41	12.91	7.41	27.33	36.51	15.65	8.04	0.00	0.00	24.25	27.39
	V		106.65		106.65	28.64	44.38	78.01	82.09		0.00	15.31	20.68
	N					46.21	61.79	198.90				42.34	55.14
												380.25	
4	L		42/ 40	42/ 55	45x 70 50x 80			90/ 55			70x 45 80x 50		
	As	12.91	7.41	12.91	7.41	27.33	36.51	15.65	8.04	0.00	0.00	24.25	27.39
	V		106.65		106.65	28.99	44.77	77.66	82.09		0.00	15.52	20.90
	N					48.29	63.87	198.90				44.27	56.99
												380.25	
4	K		42/ 55		45x 45 50x 50			42/ 55			45x 45 50x 50		
	As	10.30	5.15	0.00	0.00	12.32	21.36	6.35	3.39	0.00	0.00	12.32	21.36
	V		54.07		0.00	8.80	15.11	45.27	33.30		0.00	8.83	15.16
	N					29.73	36.35	124.31				30.05	36.78
												124.31	
5	M			90/ 55	70x 45 80x 50			42/ 55	42/ 55	45x 70 50x 80			
	As	0.00	0.00	14.36	8.04	24.25	27.39	11.62	6.28	11.62	6.28	27.33	36.51
	V		0.00		75.33	17.11	22.76	58.22	93.96	93.96	32.09	48.65	61.07
	N					59.51	72.63	380.25				63.26	85.83
												198.90	
5	M		90/ 55	90/ 55	70x 70 80x 80			90/ 55	90/ 55	70x 70 80x 80			
	As	18.25	14.20	18.25	14.20	36.44	31.86	17.44	14.20	17.44	14.20	33.80	31.86
	V		170.28		170.28	48.21	59.47	122.06	165.99	165.99	46.27	59.35	119.72
	N					125.50	160.72	998.40 K				124.83	159.85
												998.40 K	
5	L		90/ 55	90/ 55	70x 70 80x 80			90/ 55	90/ 55	70x 70 80x 80			
	As	18.25	14.20	18.25	14.20	36.44	31.86	17.72	14.20	17.72	14.20	33.80	31.86
	V		170.28		170.28	48.43	59.72	121.84	167.47	167.47	46.54	59.69	120.93
	N					127.25	162.40	998.40 K				127.06	162.24
												998.40 K	
5	K		90/ 55		70x 45 80x 50			42/ 55	42/ 55	45x 70 50x 80			
	As	15.65	8.04	0.00	0.00	24.25	27.39	11.62	6.28	11.62	6.28	27.33	36.51
	V		82.09		0.00	16.84	22.37	65.25	93.96	93.96	31.74	48.14	62.21
	N					56.88	69.30	380.25				65.82	82.77
												198.90	
6	N			90/ 55	70x 45 80x 50			42/ 55	42/ 55	45x 70 50x 80			
	As	0.00	0.00	14.36	8.04	24.25	27.39	11.62	6.28	11.62	6.28	27.33	36.51
	V		0.00		75.33	17.39	23.18	57.94	93.96	93.96	32.46	49.18	61.50
	N					62.32	76.29	380.25				70.87	89.14
												198.90	
6	M		90/ 55	90/ 55	70x 70 80x 80			90/ 55	90/ 55	70x 70 80x 80			
	As	17.72	14.20	17.72	14.20	33.80	31.86	17.56	12.32	17.56	12.32	36.44	31.86
	V		167.47		167.47	47.63	60.92	119.84	156.76	156.76	49.51	60.93	107.25
	N					135.15	170.91	998.40 K				135.26	171.00
												998.40 K	
6	L		90/ 55	90/ 55	70x 70 80x 80			90/ 55	90/ 55	70x 70 80x 80			

As	17.44	14.20	17.44	14.20	33.80	31.86	17.56	12.32	17.56	12.32	36.44	31.86
V	165.99		165.99		47.61	60.88	118.38	156.76	156.76		49.50	60.91
N					135.93	170.62	998.40	K			136.19	170.85
											998.40	K

6	K	90/ 55			70x 45 80x 50		42/ 55	42/ 55	45x 70 50x 80			
	As	15.65	8.04	0.00	0.00	24.25	27.39	11.62	6.28	11.62	6.28	27.33
	V	82.09		0.00		17.13	22.82	64.96	93.96	93.96		32.07
	N					59.74	73.11	380.25				68.11
												85.70
												198.90

7	N		90/ 55		70x 45 80x 50		42/ 55	42/ 55	45x 70 50x 80			
	As	0.00	0.00	14.36	8.04	24.25	27.39	11.62	6.28	11.62	6.28	27.33
	V		0.00		75.33	17.06	22.70	58.27	93.96	93.96		31.99
	N					53.00	72.12	380.25				67.55
												84.97
												198.90

7	M	90/ 55		90/ 55	70x 70 80x 80		90/ 55	90/ 55	70x 70 80x 80			
	As	17.72	14.20	17.72	14.20	33.80	31.86	17.56	12.32	17.56	12.32	36.44
	V	167.47		167.47		47.62	60.90	119.85	156.76	156.76		49.50
	N					136.03	170.80	998.40	K			136.14
												170.89
												998.40
												K

7	L	90/ 55		90/ 55	70x 70 80x 80		90/ 55	90/ 55	70x 70 80x 80			
	As	17.44	14.20	17.44	14.20	33.80	31.86	17.56	12.32	17.56	12.32	36.44
	V	165.99		165.99		47.59	60.86	118.40	156.76	156.76		49.49
	N					135.80	170.51	998.40	K			136.06
												170.74
												998.40
												K

7	K	90/ 55			70x 45 80x 50		42/ 55	42/ 55	45x 70 50x 80			
	As	15.65	8.04	0.00	0.00	24.25	27.39	11.62	6.28	11.62	6.28	27.33
	V	82.09		0.00		16.80	22.34	65.29	93.96	93.96		31.60
	N					56.45	68.99	380.25				64.83
												81.58
												198.90

8	N		90/ 55		70x 45 80x 50		42/ 55	42/ 55	45x 70 50x 80			
	As	0.00	0.00	14.36	8.04	24.25	27.39	11.62	6.28	11.62	6.28	27.33
	V		0.00		75.33	17.45	23.25	57.88	93.96	93.96		32.57
	N					62.96	76.92	380.25				71.71
												90.12
												198.90

8	M	90/ 55		90/ 55	70x 70 80x 80		90/ 55	90/ 55	70x 70 80x 80			
	As	13.25	14.20	18.25	14.20	33.80	31.86	17.44	14.20	17.44	14.20	36.44
	V	170.28		170.28		46.37	59.50	123.90	165.99	165.99		48.15
	N					125.69	160.88	998.40	K			125.02
												160.01
												998.40
												K

8	L	90/ 55		90/ 55	70x 70 80x 80		90/ 55	90/ 55	70x 70 80x 80			
	As	18.25	14.20	18.25	14.20	33.80	31.86	17.72	14.20	17.72	14.20	36.44
	V	170.28		170.28		46.59	59.74	123.68	167.47	167.47		48.43
	N					127.45	162.57	998.40	K			127.25
												162.41
												998.40
												K

8	K	90/ 55			70x 45 80x 50		42/ 55	42/ 55	45x 70 50x 80			
	As	15.65	8.04	0.00	0.00	24.25	27.39	11.62	6.28	11.62	6.28	27.33
	V	82.09		0.00		17.19	22.88	64.89	93.96	93.96		32.24
	N					60.37	73.64	380.25				69.31
												87.11
												198.90

9	N		42/ 55		45x 45 50x 50		42/ 55	45x 45 50x 50				
	As	0.00	0.00	9.36	4.02	12.32	21.36	0.00	0.00	5.34	3.39	12.32
	V		0.00		49.12	8.81	15.11	40.32	0.00	28.02		8.84
	N					29.77	36.39	124.31				30.09
												36.82
												124.31

9	M	42/ 55		42/ 40	45x 70 50x 80		90/ 55	70x 45 80x 50				
	As	11.84	6.28	11.84	6.28	27.33	36.51	0.00	0.00	14.36	8.04	24.25
	V	95.11		95.11		28.55	44.31	66.56	0.00	75.33		15.26
	N					45.68	61.47	198.90				41.81
												54.82
												380.25

9	L	42/ 40		42/ 55	45x 70 50x 80		90/ 55	70x 45 80x 50				
	As	11.84	6.28	11.84	6.28	27.33	36.51	0.00	0.00	14.36	8.04	24.25
	V	95.11		95.11		28.90	44.71	66.21	0.00	75.33		15.46
	N					47.75	63.55	198.90				43.73
												56.67
												380.25

9	K	42/ 55			45x 45 50x 50		42/ 55	45x 45 50x 50				
	As	9.36	5.15	0.00	0.00	12.32	21.36	0.00	0.00	4.93	3.39	12.32
												21.36

U	49.12	0.00	8.66	14.91	40.46	0.00	25.88	8.70	14.97	17.18
N			28.45	34.74	124.31			28.77	35.17	124.31

BİLSAR A.Ş. MÜHENDİSLİK PROGRAMLARI (0212) 221 29 98 . HER HAKKI SAKLIDIR. SADECE TEM MÜHENDİSLİK LTD. TARAFINDAN KULLANILIR

S.S. KARAKÖY PERŞEMBE PAZARI TUCARLARI TOPLU İŞYERİ YAPI KOOPERATİFİ 10. KAT SÜNEKLİK BİLGİLERİ

NOKTA NO		X Y Ö N Ü										Y Y Ö N Ü										
		K i r i ş					K O L O N					K i r i ş					K O L O N					
		SOL	SAG	TOPLAM	ÜST	ALT	TOPLAM	Vis	SOL	SAG	TOPLAM	ÜST	ALT	TOPLAM	Vis	SOL	SAG	TOPLAM	ÜST	ALT	TOPLAM	Vis
		ÜST	ALT	ÜST	ALT	*1.2			ÜST	ALT	ÜST	ALT	*1.2			ÜST	ALT	ÜST	ALT	*1.2		
4	N			42/ 55			45x 45 45x 45				42/ 55			45x 45 45x 45								
	As	0.00	0.00	9.36	4.02		12.32 12.32				6.06 3.39	0.00 0.00		12.32 12.32								
	Mr	0.00	0.00	17.76	7.85	21.31	12.27 13.41	25.68	2.24	11.66	6.68	0.00 0.00	13.99	12.31 13.46	25.77	2.24						
	N						23.99 31.05							24.22 31.37								
4	M			42/ 55			45x 70 45x 70				90/ 55			70x 45 70x 45								
	As	12.91	7.41	12.91	7.41		24.44 27.33				15.65 8.04	0.00 0.00		23.25 24.25								
	Mr	24.32	14.18	17.25	10.12	41.33	35.67 42.96	78.63	3.91	29.90	15.74	0.00 0.00	35.89	20.20 22.97	43.17	3.99						
	N						30.84 46.21							29.18 42.34								
4	L			42/ 40			45x 70 45x 70				90/ 55			70x 45 70x 45								
	As	12.91	7.41	12.91	7.41		24.44 27.33				15.65 8.04	0.00 0.00		23.25 24.25								
	Mr	17.25	10.12	24.32	14.18	41.33	36.25 43.49	79.74	3.91	29.90	15.74	0.00 0.00	35.89	20.53 23.28	43.81	4.05						
	N						32.91 48.29							31.17 44.27								
4	K			42/ 55			45x 45 45x 45				42/ 55			45x 45 45x 45								
	As	9.36	5.15	0.00 0.00			12.32 12.32				6.06 3.39	0.00 0.00		12.32 12.32								
	Mr	17.78	9.96	0.00 0.00	21.33	12.11 13.23	25.31	2.24	11.66	6.68	0.00 0.00	13.99	12.14 13.25	25.40	2.24							
	N						23.00 29.73							23.22 30.05								
5	M			90/ 55			70x 45 70x 45				42/ 55			45x 70 45x 70								
	As	0.00	0.00	12.10 8.04			24.25 24.25				11.62 6.28	11.62 6.28		27.33 27.33								
	Mr	0.00	0.00	23.31 15.74	27.97	23.55 25.66	49.21	4.09	21.94	12.07 21.94	12.07	40.81	44.23 46.14	92.36	4.90							
	N						45.97 59.51							51.25 66.26								
5	M			90/ 55			70x 70 70x 70				90/ 55			70x 70 70x 70								
	As	17.18	14.20	17.18 14.20			36.44 36.44				17.72 16.08	17.72 16.08		33.80 33.80								
	Mr	32.78	27.23	32.78 27.23	72.01	65.05 72.32	137.37	9.32	33.77	30.74 33.77	30.74	77.41	62.17 69.40	131.57	9.01							
	N						90.92 125.50							90.55 124.93								
5	L			90/ 55			70x 70 70x 70				90/ 55			70x 70 70x 70								
	As	17.18	14.20	17.18 14.20			36.44 36.44				17.72 16.08	17.72 16.08		33.80 33.80								
	Mr	32.78	27.23	32.78 27.23	72.01	65.48 72.65	138.12	9.32	33.77	30.74 33.77	30.74	77.41	62.66 69.82	132.48	9.01							
	N						92.75 127.26							92.65 127.06								
5	K			90/ 55			70x 45 70x 45				42/ 55			45x 70 45x 70								
	As	15.65	8.04	0.00 0.00			24.25 24.25				10.96 6.28	10.96 6.28		27.33 27.33								
	Mr	29.90	15.74	0.00 0.00	35.89	23.24 25.26	48.50	4.10	20.73	12.07 20.73	12.07	39.36	43.77 47.61	91.38	4.90							
	N						44.02 56.88							49.42 65.82								
6	N			90/ 55			70x 45 70x 45				42/ 55			45x 70 45x 70								
	As	0.00	0.00	12.10 8.04			24.25 24.25				12.91 7.41	12.91 7.41		27.33 27.33								
	Mr	0.00	0.00	23.31 15.74	27.97	23.87 26.09	49.96	3.92	24.32	14.18 24.32	14.18	46.20	44.69 48.68	93.38	4.93							
	N						47.99 62.32							53.15 70.87								
6	M			90/ 55			70x 70 70x 70				90/ 55			70x 70 70x 70								
	As	17.18	14.20	17.18 14.20			33.80 33.80				17.72 16.08	17.72 16.08		36.44 36.44								
	Mr	32.78	27.23	32.78 27.23	72.01	64.83 71.45	136.28	8.82	33.77	30.74 33.77	30.74	77.41	67.64 74.26	141.90	9.02							
	N						102.33 136.15							102.40 136.25								

9	K	42/ 55	45x 45 45x 45	42/ 55	45x 45 45x 45
As	8.29	5.15	0.00	0.00	12.32 12.32
Mr	15.80	9.96	0.00	0.00	18.97 11.95 13.00 24.94 2.24
N					22.03 28.45
					0.00 0.00 4.93 3.39
					12.32 12.32
					11.99 13.05 25.03 2.24
					22.27 28.77

Sünek Kolonlar Kesme Kuvvetleri Toplamı 129.23
Tüm Kolonlar Kesme Kuvvetleri Toplamı 129.23
Sünek / Tüm Oranı 1.00

136.47
136.47
1.00

BİLSAR A.Ş. MÜHENDİSLİK PROGRAMLARI (0212) 221 29 98 . HER HAKKI SAKLIDIR. SADECE TEM MÜHENDİSLİK LTD. TARAFINDAN KULLANILIR

S.S. KARAKÖY PERŞEMBE PAZARI TOCCARLARI TOPLU İŞYERİ YAPI KODPERATİFİ 10. KAT KOLON KİRİŞ BİRLEŞİM BÖLGELERİ KESME GÜVENLİĞİ

X Y Ö N Ü											Y Y Ö N Ü										
K i r i ş											K i r i ş										
KOLON											KOLON										
NOKTA NO		SOL		SAG		ÜST	ALT	Ve	Vr		SOL		SAG		ÜST	ALT	Ve	Vr			
		ÜST	ALT	ÜST	ALT						ÜST	ALT	ÜST	ALT							
4	N			42/ 55		45x 45	45x 45				42/ 55				45x 45	45x 45					
	As	0.00	0.00	9.36	4.02	12.32	12.32				6.06	3.39	0.00	0.00	12.32	12.32					
	V		0.00		49.12	8.18	8.94	40.94			31.81		0.00		8.20	8.97	23.61				
	N					23.99	31.05	111.88							24.22	31.37	111.88				
4	M		42/ 55		42/ 40	45x 70	45x 70				90/ 55				70x 45	70x 45					
	As	12.91	7.41	12.91	7.41	24.44	27.33				15.65	8.04	0.00	0.00	23.25	24.25					
	V		106.65		106.65	23.78	28.64	82.87			82.09		0.00		13.47	15.31	68.62				
	N					30.84	46.21	174.04							29.18	42.34	302.74				
4	L		42/ 40		42/ 55	45x 70	45x 70				90/ 55				70x 45	70x 45					
	As	12.91	7.41	12.91	7.41	24.44	27.33				15.65	8.04	0.00	0.00	23.25	24.25					
	V		106.65		106.65	24.17	28.99	82.48			82.09		0.00		13.69	15.52	68.40				
	N					32.91	48.29	174.04							31.17	44.27	302.74				
4	K		42/ 55			45x 45	45x 45				42/ 55				45x 45	45x 45					
	As	9.36	5.15	0.00	0.00	12.32	12.32				6.06	3.39	0.00	0.00	12.32	12.32					
	V		49.12		0.00	8.07	8.80	41.05			31.81		0.00		8.10	8.83	23.72				
	N					23.00	29.73	111.88							23.23	30.05	111.88				
5	N			90/ 55		70x 45	70x 45				42/ 55		42/ 55		45x 70	45x 70					
	As	0.00	0.00	12.10	8.04	24.25	24.25				11.62	6.28	11.62	6.28	27.33	27.33					
	V		0.00		63.46	15.70	17.11	47.76			93.96		93.96		29.48	32.09	64.47				
	N					45.97	59.51	302.74							51.25	68.26	174.04				
5	M		90/ 55		90/ 55	70x 70	70x 70				90/ 55		90/ 55		70x 70	70x 70					
	As	17.18	14.20	17.18	14.20	36.44	36.44				17.72	16.08	17.72	16.08	33.80	33.80					
	V		164.67		164.67	43.37	48.21	121.30			177.36		177.36		41.45	46.27	135.91				
	N					90.92	125.50	764.40 K							90.55	124.83	764.40 K				
5	L		90/ 55		90/ 55	70x 70	70x 70				90/ 55		90/ 55		70x 70	70x 70					
	As	17.18	14.20	17.18	14.20	36.44	36.44				17.72	16.08	17.72	16.08	33.80	33.80					
	V		164.67		164.67	43.65	48.43	121.02			177.36		177.36		41.77	46.54	135.59				
	N					92.75	127.26	764.40 K							92.65	127.06	764.40 K				
5	K		90/ 55			70x 45	70x 45				42/ 55		42/ 55		45x 70	45x 70					
	As	15.65	8.04	0.00	0.00	24.25	24.25				10.96	6.28	10.96	6.28	27.33	27.33					
	V		82.09		0.00	15.49	16.84	66.59			90.49		90.49		29.18	31.74	61.31				
	N					44.02	56.88	302.74							49.42	65.82	174.04				
6	N			90/ 55		70x 45	70x 45				42/ 55		42/ 55		45x 70	45x 70					
	As	0.00	0.00	12.10	8.04	24.25	24.25				12.91	7.41	12.91	7.41	27.33	27.33					
	V		0.00		63.46	15.92	17.39	47.55			106.65		106.65		29.79	32.46	76.85				
	N					47.99	62.32	302.74							53.15	70.87	174.04				
6	M		90/ 55		90/ 55	70x 70	70x 70				90/ 55		90/ 55		70x 70	70x 70					
	As	17.18	14.20	17.18	14.20	33.80	33.80				17.72	16.08	17.72	16.08	36.44	36.44					
	V		164.67		164.67	43.22	47.63	121.45			177.36		177.36		45.09	49.51	132.27				
	N					102.33	136.15	764.40 K							102.40	136.26	764.40 K				

6	L	90/ 55	90/ 55	70x 70 70x 70	90/ 55	90/ 55	70x 70 70x 70
	As	16.71	14.20	16.71 14.20	33.80	33.80	17.72 16.08 17.72 16.08 36.44 36.44
	V	162.20	162.20	43.19	47.61	119.00	177.36 177.36 45.08 49.50 132.28
	N			102.17	135.93	764.40 K	102.36 136.19 764.40 K
6	K	90/ 55		70x 45 70x 45	42/ 55	42/ 55	45x 70 45x 70
	As	15.65	8.04	0.00 0.00	24.25	24.25	11.62 6.28 11.62 6.28 27.33 27.33
	V	82.09	0.00	15.71	17.13	66.38	93.96 93.96 29.46 32.07 64.50
	N			46.05	59.74	302.74	51.08 68.11 174.04
7	N		90/ 55	70x 45 70x 45	42/ 55	42/ 55	45x 70 45x 70
	As	0.00	0.00	12.10 8.04	24.25	24.25	11.62 6.28 11.62 6.28 27.33 27.33
	V	0.00	63.46	15.65	17.06	47.81	93.96 93.96 29.39 31.99 64.57
	N			45.51	59.00	302.74	50.66 67.55 174.04
7	M	90/ 55	90/ 55	70x 70 70x 70	90/ 55	90/ 55	70x 70 70x 70
	As	17.18	14.20	17.18 14.20	33.80	33.80	17.72 16.08 17.72 16.08 36.44 36.44
	V	164.67	164.67	43.19	47.62	121.48	177.36 177.36 45.07 49.50 132.30
	N			102.17	136.03	764.40 K	102.24 136.14 764.40 K
7	L	90/ 55	90/ 55	70x 70 70x 70	90/ 55	90/ 55	70x 70 70x 70
	As	16.71	14.20	16.71 14.20	33.80	33.80	17.72 16.08 17.72 16.08 36.44 36.44
	V	162.20	162.20	43.17	47.59	119.03	177.36 177.36 45.06 49.49 132.30
	N			102.01	135.80	764.40 K	102.20 136.06 764.40 K
7	K	90/ 55		70x 45 70x 45	42/ 55	42/ 55	45x 70 45x 70
	As	15.65	8.04	0.00 0.00	24.25	24.25	10.90 6.28 10.90 6.28 27.33 27.33
	V	82.09	0.00	15.45	16.80	66.64	90.16 90.16 29.05 31.60 61.12
	N			43.60	56.46	302.74	48.63 64.83 174.04
8	N		90/ 55	70x 45 70x 45	42/ 55	42/ 55	45x 70 45x 70
	As	0.00	0.00	12.10 8.04	24.25	24.25	12.91 7.41 12.91 7.41 27.33 27.33
	V	0.00	63.46	15.65	17.45	47.49	106.65 106.65 29.91 32.57 76.74
	N			43.55	62.96	302.74	53.82 71.71 174.04
8	M	90/ 55	90/ 55	70x 70 70x 70	90/ 55	90/ 55	70x 70 70x 70
	As	17.18	14.20	17.18 14.20	36.44	33.80	17.72 16.08 17.72 16.08 33.80 36.44
	V	164.67	164.67	43.40	46.37	121.27	177.36 177.36 41.46 48.15 135.86
	N			91.12	125.59	764.40 K	90.75 125.02 764.40 K
8	L	90/ 55	90/ 55	70x 70 70x 70	90/ 55	90/ 55	70x 70 70x 70
	As	17.18	14.20	17.18 14.20	36.44	33.80	17.72 16.08 17.72 16.08 33.80 36.44
	V	164.67	164.67	43.68	46.59	120.93	177.36 177.36 41.80 48.43 135.56
	N			92.94	127.45	764.40 K	92.34 127.25 764.40 K
8	K	90/ 55		70x 45 70x 45	42/ 55	42/ 55	45x 70 45x 70
	As	15.65	8.04	0.00 0.00	24.25	24.25	11.62 6.28 11.62 6.28 27.33 27.33
	V	82.09	0.00	15.77	17.19	66.32	93.96 93.96 29.61 32.24 64.34
	N			46.63	60.37	302.74	52.03 69.31 174.04
9	N		42/ 55	45x 45 45x 45	42/ 55	42/ 55	45x 45 45x 45
	As	0.00	0.00	8.29 4.02	12.32	12.32	0.00 0.00 4.93 2.26 12.32 12.32
	V	0.00	43.52	8.07	8.81	35.44	0.00 25.88 8.10 8.84 17.78
	N			23.03	29.77	111.88	23.25 30.09 111.88
9	M	42/ 55	42/ 40	45x 70 45x 70	90/ 55	90/ 55	70x 45 70x 45
	As	12.91	7.41	12.91 7.41	24.44	27.33	0.00 0.00 12.10 8.04 23.25 24.25
	V	106.65	106.65	23.63	28.55	83.02	0.00 63.46 13.38 15.26 50.08
	N			30.06	45.68	174.04	28.40 41.81 302.74
9	L	42/ 40	42/ 55	45x 70 45x 70	90/ 55	90/ 55	70x 45 70x 45
	As	11.84	6.28	11.84 6.28	27.33	27.33	0.00 0.00 12.10 8.04 24.25 24.25
	V	95.11	95.11	26.06	28.90	69.05	0.00 63.46 14.01 15.46 49.45
	N			32.13	47.75	174.04	30.39 43.73 302.74

9	K	42/ 55			45x 45 45x 45			42/ 55	45x 45 45x 45
	As	8.29	5.15	0.00	0.00	12.32	12.32	0.00	0.00
	V		43.52		0.00	7.96	8.66	35.55	0.00
	N					22.03	28.45	111.88	
									4.93 3.39
									12.32 12.32
									7.99 8.70 17.89
									22.27 28.77 111.88

BİLSAR A.Ş. MÜHENDİSLİK PROGRAMLARI (0212) 221 29 98 . HER HAKKI SAKLIDIR. SADECE TEM MÜHENDİSLİK LTD. TARAFINDAN KULLANILIR

S.S. KARAKÖY PERŞEMBE PAZARI TUCCARLARI TOPLU İŞYERİ YAPI KOOPERATİFİ 11. KAT SÜNEKLİK BİLGİLERİ

NOKTA NO		X Y Ö N Ü										Y Y Ö N Ü									
		K i r i ş				K O L O N				K i r i ş				K O L O N							
		SOL	SAG	TOPLAM	ÜST	ALT	TOPLAM	Vis		SOL	SAG	TOPLAM	ÜST	ALT	TOPLAM	Vis					
		ÜST	ALT	ÜST	ALT	*1.2				ÜST	ALT	ÜST	ALT	*1.2							
4	N			42/ 55			45x 45 45x 45			42/ 55					45x 45 45x 45						
	As	0.00	0.00	8.55	4.02		12.32 12.32			6.06	3.39	0.00	0.00		12.32 12.32						
	Mr	0.00	0.00	16.26	7.85	19.51	11.02 12.27 23.29	1.87	11.66	6.68	0.00	0.00	13.99	11.04	12.31	23.35	1.85				
	N						16.52 23.99								16.63 24.22						
4	M			42/ 55			45x 70 45x 70			90/ 55					70x 45 70x 45						
	As	12.32	6.28	0.00	0.00		24.44 24.44			13.01	6.53	0.00	0.00		23.25 23.25						
	Mr	23.20	12.07	0.00	0.00	27.84	32.89 35.67 68.56	2.41	25.01	12.92	0.00	0.00	30.01	18.72	20.20	38.92	3.16				
	N						21.13 30.84								20.33 29.18						
4	L			42/ 55			45x 70 45x 70			90/ 55					70x 45 70x 45						
	As	0.00	0.00	12.32	4.02		27.33 24.44			13.01	6.53	0.00	0.00		24.25 23.25						
	Mr	0.00	0.00	23.10	7.85	27.72	36.34 36.25 72.60	2.41	25.01	12.92	0.00	0.00	30.01	19.55	20.53	40.08	3.20				
	N						22.50 32.91								21.66 31.17						
4	K			42/ 55			45x 45 45x 45			42/ 55					45x 45 45x 45						
	As	8.55	5.15	0.00	0.00		12.32 12.32			6.06	3.39	0.00	0.00		12.32 12.32						
	Mr	16.27	9.95	0.00	0.00	19.52	10.91 12.11 23.02	1.87	11.66	6.68	0.00	0.00	13.99	10.93	12.14	23.07	1.85				
	N						15.86 23.00								15.97 23.23						
5	N			90/ 55			70x 45 70x 45			42/ 55	42/ 55				45x 70 45x 70						
	As	0.00	0.00	11.59	3.04		24.25 24.25			11.62	6.28	11.62	6.28		27.33 27.33						
	Mr	0.00	0.00	22.55	15.74	27.06	21.22 23.55 44.77	3.42	21.94	12.07	21.94	12.07	40.31	39.68	44.23	83.90	3.91				
	N						31.64 45.97								34.21 51.25						
5	M			90/ 55	90/ 55		70x 70 70x 70			90/ 55	90/ 55				70x 70 70x 70						
	As	16.30	14.20	16.30	14.20		36.44 36.44			15.49	12.57	15.49	12.57		33.80 33.80						
	Mr	31.14	27.23	31.14	27.23	70.05	57.43 65.05 122.48	7.43	29.62	24.18	29.62	24.18	64.57	54.58	62.17	116.75	7.20				
	N						60.85 90.92								60.64 90.55						
5	L			90/ 55	90/ 55		70x 70 70x 70			90/ 55	90/ 55				70x 70 70x 70						
	As	16.30	14.20	16.30	14.20		36.44 36.44			15.49	12.57	15.49	12.57		33.80 33.80						
	Mr	31.14	27.23	31.14	27.23	70.05	57.77 65.48 123.25	7.43	29.62	24.18	29.62	24.18	64.57	54.96	62.65	117.62	7.20				
	N						62.10 92.75								62.03 92.65						
5	K			90/ 55			70x 45 70x 45			42/ 55	42/ 55				45x 70 45x 70						
	As	14.36	8.04	0.00	0.00		24.25 24.25			10.96	6.28	10.96	6.28		27.33 27.33						
	Mr	27.52	15.74	0.00	0.00	33.02	21.01 23.24 44.25	3.43	20.73	12.07	20.73	12.07	39.36	39.33	43.77	83.10	3.91				
	N						30.36 44.02								32.99 49.42						
5	N			90/ 55			70x 45 70x 45			42/ 55	42/ 55				45x 70 45x 70						
	As	0.00	0.00	10.56	3.04		24.25 24.25			12.91	7.41	12.91	7.41		27.33 27.33						
	Mr	0.00	0.00	20.44	15.74	24.52	21.43 23.87 45.30	3.27	24.32	14.18	24.32	14.18	46.20	40.02	44.69	84.71	3.94				
	N						32.90 47.99								35.42 53.15						
6	M			90/ 55	90/ 55		70x 70 70x 70			90/ 55	90/ 55				70x 70 70x 70						
	As	16.30	14.20	16.30	14.20		33.80 33.80			15.17	14.20	15.17	14.20		36.44 36.44						
	Mr	31.14	27.23	31.14	27.23	70.05	56.68 64.83 121.51	7.24	29.04	27.23	29.04	27.23	67.52	59.48	67.64	127.12	7.44				
	N						68.33 102.33								68.37 102.40						

6	L	90/ 55	90/ 55	70x 70 70x 70	90/ 55	90/ 55	70x 70 70x 70												
	As	16.30	14.20	16.30	14.20	33.80	33.80	15.17	14.20	15.17	14.20	36.44	36.44						
	Mr	31.14	27.23	31.14	27.23	70.05	56.65	64.79	121.45	7.24	29.04	27.23	29.04	27.23	67.52	59.48	67.63	127.10	7.44
	N						68.24	102.17								68.34	102.36		
6	K	90/ 55		70x 45 70x 45	42/ 55	42/ 55	45x 70 45x 70												
	As	13.63	8.04	0.00	0.00	24.25	24.25	11.62	6.28	11.62	6.28	27.33	27.33						
	Mr	26.18	15.74	0.00	0.00	31.41	21.21	23.57	44.78	3.27	21.94	12.07	21.94	12.07	40.81	39.63	44.19	83.82	3.94
	N						31.59	46.05								34.05	51.08		
7	N	90/ 55		70x 45 70x 45	42/ 55	42/ 55	45x 70 45x 70												
	As	0.00	0.00	10.56	8.04	24.25	24.25	11.62	6.28	11.62	6.28	27.33	27.33						
	Mr	0.00	0.00	20.44	15.74	24.52	21.15	23.48	44.63	3.27	21.94	12.07	21.94	12.07	40.81	39.55	44.08	83.63	3.94
	N						31.25	45.51								33.77	50.66		
7	M	90/ 55	90/ 55	70x 70 70x 70	90/ 55	90/ 55	70x 70 70x 70												
	As	16.30	14.20	16.30	14.20	33.80	33.80	15.17	14.20	15.17	14.20	36.44	36.44						
	Mr	31.14	27.23	31.14	27.23	70.05	56.65	64.79	121.44	7.24	29.04	27.23	29.04	27.23	67.52	59.46	67.60	127.06	7.44
	N						68.23	102.17								68.27	102.24		
7	L	90/ 55	90/ 55	70x 70 70x 70	90/ 55	90/ 55	70x 70 70x 70												
	As	16.30	14.20	16.30	14.20	33.80	33.80	15.17	14.20	15.17	14.20	36.44	36.44						
	Mr	31.14	27.23	31.14	27.23	70.05	56.63	64.76	121.39	7.24	29.04	27.23	29.04	27.23	67.52	59.45	67.59	127.04	7.44
	N						68.14	102.01								68.25	102.20		
7	K	90/ 55		70x 45 70x 45	42/ 55	42/ 55	45x 70 45x 70												
	As	13.63	8.04	0.00	0.00	24.25	24.25	10.90	6.28	10.90	6.28	27.33	27.33						
	Mr	26.18	15.74	0.00	0.00	31.41	20.94	23.17	44.11	3.27	20.62	12.07	20.62	12.07	39.23	39.17	43.57	82.74	3.94
	N						29.96	43.60								32.42	48.63		
8	N	90/ 55		70x 45 70x 45	42/ 55	42/ 55	45x 70 45x 70												
	As	0.00	0.00	11.69	8.04	24.25	24.25	12.91	7.41	12.91	7.41	27.33	27.33						
	Mr	0.00	0.00	22.55	15.74	27.06	21.50	23.96	45.47	3.43	24.32	14.18	24.32	14.18	46.20	40.16	44.66	85.02	3.91
	N						33.37	48.55								35.94	53.83		
8	M	90/ 55	90/ 55	70x 70 70x 70	90/ 55	90/ 55	70x 70 70x 70												
	As	16.30	14.20	16.30	14.20	36.44	36.44	15.49	12.57	15.49	12.57	33.80	33.80						
	Mr	31.14	27.23	31.14	27.23	70.05	57.46	65.10	122.56	7.43	29.62	24.18	29.62	24.18	64.57	54.61	62.22	116.83	7.20
	N						60.98	91.12								60.77	90.75		
8	L	90/ 55	90/ 55	70x 70 70x 70	90/ 55	90/ 55	70x 70 70x 70												
	As	16.30	14.20	16.30	14.20	36.44	36.44	15.49	12.57	15.49	12.57	33.80	33.80						
	Mr	31.14	27.23	31.14	27.23	70.05	57.81	65.52	123.33	7.43	29.62	24.18	29.62	24.18	64.57	55.00	62.70	117.70	7.20
	N						62.22	92.94								62.15	92.84		
8	K	90/ 55		70x 45 70x 45	42/ 55	42/ 55	45x 70 45x 70												
	As	14.36	8.04	0.00	0.00	24.25	24.25	11.62	6.28	11.62	6.28	27.33	27.33						
	Mr	27.52	15.74	0.00	0.00	33.02	21.30	23.66	44.95	3.42	21.94	12.07	21.94	12.07	40.81	39.82	44.42	84.24	3.91
	N						32.11	46.63								34.74	52.03		
9	N	42/ 55		45x 45 45x 45	42/ 55		45x 45 45x 45												
	As	0.00	0.00	7.41	4.02	12.32	12.32	0.00	0.00	3.80	2.26	12.32	12.32						
	Mr	0.00	0.00	14.17	7.85	17.01	10.91	12.11	23.03	1.87	0.00	0.00	7.44	4.55	8.92	10.93	12.15	23.08	1.85
	N						15.88	23.03								15.99	23.26		
9	M	42/ 55		45x 70 45x 70	90/ 55		70x 45 70x 45												
	As	12.32	6.28	0.00	0.00	24.44	24.44	0.00	0.00	7.92	4.52	23.25	23.25						
	Mr	23.20	12.07	0.00	0.00	27.84	32.74	35.45	68.19	2.41	0.00	0.00	15.50	9.14	18.59	18.63	20.07	38.70	3.16
	N						20.60	30.06								19.81	28.40		
9	L	42/ 55		45x 70 45x 70	90/ 55		70x 45 70x 45												
	As	0.00	0.00	12.32	4.02	27.33	27.33	0.00	0.00	7.92	4.52	24.25	24.25						
	Mr	0.00	0.00	23.10	7.85	27.72	36.19	39.09	75.28	2.41	0.00	0.00	15.50	9.14	18.59	19.46	21.01	40.47	3.20
	N						21.98	32.13								21.14	30.39		

9	K	42/ 55	45x 45 45x 45	42/ 55	45x 45 45x 45
As	7.41	4.02	0.00	0.00	12.32 12.32
Mr	14.17	7.85	0.00	0.00	17.01 10.80 11.95 22.75 1.87 0.00 0.00 7.44 4.55 8.92 10.82 11.99 22.81 1.85
N					15.22 22.03 15.33 22.27

Sünek Kolonlar Kesme Kuvvetleri Toplamı	102.56	110.07
Tüm Kolonlar Kesme Kuvvetleri Toplamı	102.56	110.07
Sünek / Tüm Oranı	1.00	1.00

BİLSAR A.Ş. MÜHENDİSLİK PROGRAMLARI (0212) 221 29 98 . HER HAKKI SAKLIDIR. SADECE TEM MÜHENDİSLİK LTD. TARAFINDAN KULLANILIR

S.S. KARAKÖY PERŞEMBE PAZARI TİCCARLARI TOPLU İŞYERİ YAPI KOOPERATİFİ 11. KAT KOLON KİRİŞ BİRLEŞİM BÖLGELERİ KESME GÜVENLİĞİ

NOKTA NO		X Y Ö N Ü						Y Y Ö N Ü					
		K i r i ş		KOLON		Ve	Vr	K i r i ş		KOLON		Ve	Vr
		SOL	SAG	ÜST	ALT			SOL	SAG	ÜST	ALT		
4	N		42/ 55	45x 45	45x 45			42/ 55		45x 45	45x 45		
	As	0.00	0.00	8.55	4.02	12.32	12.32	6.06	3.39	0.00	0.00	12.32	12.32
	V		0.00	44.84	7.35	8.18	37.49	31.81		0.00	7.36	8.20	24.45
	N				16.52	23.99	111.88				16.63	24.22	111.88
4	M		42/ 55	45x 70	45x 70			90/ 55		70x 45	70x 45		
	As	12.32	6.28	0.00	0.00	24.44	24.44	13.01	6.53	0.00	0.00	23.25	23.25
	V		54.62	0.00	21.93	23.78	42.69	68.24		0.00	12.48	13.47	55.76
	N				21.13	30.84	174.04				20.33	29.18	302.74
4	L		42/ 55	45x 70	45x 70			90/ 55		70x 45	70x 45		
	As	0.00	0.00	12.32	4.02	27.33	24.44	13.01	6.53	0.00	0.00	24.25	23.25
	V		0.00	64.62	24.23	24.17	40.45	68.24		0.00	13.03	13.69	55.21
	N				22.50	32.91	174.04				21.66	31.17	302.74
4	K		42/ 55	45x 45	45x 45			42/ 55		45x 45	45x 45		
	As	8.55	5.15	0.00	0.00	12.32	12.32	6.06	3.39	0.00	0.00	12.32	12.32
	V		44.84	0.00	7.27	8.07	37.56	31.81		0.00	7.20	8.10	24.55
	N				15.86	23.00	111.88				15.97	23.23	111.88
5	H		90/ 55	70x 45	70x 45			42/ 55	42/ 55	45x 70	45x 70		
	As	0.00	0.00	11.69	8.04	24.25	24.25	11.62	6.28	11.62	6.28	27.33	27.33
	V		0.00	61.32	14.15	15.70	47.17	93.96	93.96	26.45	29.48	67.61	
	N				31.54	45.97	302.74			34.21	51.25	174.04	
5	M		90/ 55	90/ 55	70x 70	70x 70		90/ 55	90/ 55	70x 70	70x 70		
	As	16.30	14.20	16.30	14.20	36.44	36.44	15.49	12.57	15.49	12.57	33.80	33.80
	V		160.06	160.06	38.28	43.37	121.77	147.20	147.20	36.39	41.45	110.61	
	N				60.85	90.92	764.40 K			60.64	90.55	764.40 K	
5	L		90/ 55	90/ 55	70x 70	70x 70		90/ 55	90/ 55	70x 70	70x 70		
	As	16.30	14.20	16.30	14.20	36.44	36.44	15.49	12.57	15.49	12.57	33.80	33.80
	V		160.06	160.06	38.51	43.65	121.54	147.20	147.20	36.64	41.77	110.56	
	N				62.10	92.75	764.40 K			62.03	92.65	764.40 K	
5	K		90/ 55	70x 45	70x 45			42/ 55	42/ 55	45x 70	45x 70		
	As	14.36	8.04	0.00	0.00	24.25	24.25	10.96	6.28	10.96	6.28	27.33	27.33
	V		75.33	0.00	14.00	15.49	61.33	90.49	90.49	26.22	29.18	64.27	
	N				30.36	44.02	302.74			32.99	49.42	174.04	
6	M		90/ 55	70x 45	70x 45			42/ 55	42/ 55	45x 70	45x 70		
	As	0.00	0.00	10.56	8.04	24.25	24.25	12.91	7.41	12.91	7.41	27.33	27.33
	V		0.00	55.38	14.29	15.92	41.10	106.65	106.65	26.68	29.79	79.97	
	N				32.90	47.99	302.74			35.42	53.15	174.04	
6	H		90/ 55	90/ 55	70x 70	70x 70		90/ 55	90/ 55	70x 70	70x 70		
	As	16.30	14.20	16.30	14.20	33.80	33.80	15.17	14.20	15.17	14.20	36.44	36.44
	V		160.06	160.06	37.79	43.22	122.27	154.12	154.12	39.65	45.09	114.47	
	N				68.33	102.33	764.40 K			68.37	102.40	764.40 K	

6	L	90/ 55	90/ 55	70x 70 70x 70	90/ 55	90/ 55	70x 70 70x 70
	As	16.30	14.20	16.30 14.20	33.80	33.80	15.17 14.20 15.17 14.20 36.44 36.44
	V	160.06	160.06	37.77	43.19	122.29	154.12 154.12 39.65 45.08 114.47
	N			68.24	102.17	764.40 K	68.34 102.36 764.40 K
6	K	90/ 55		70x 45 70x 45	42/ 55	42/ 55	45x 70 45x 70
	As	13.63	8.04	0.00 0.00	24.25	24.25	11.62 6.28 11.62 6.28 27.33 27.33
	V	71.54	0.00	14.14	15.71	57.40	93.96 93.96 26.42 29.46 67.54
	N			31.59	46.05	302.74	34.05 51.08 174.04
7	N	90/ 55		70x 45 70x 45	42/ 55	42/ 55	45x 70 45x 70
	As	0.00	0.00	10.56 8.04	24.25	24.25	11.62 6.28 11.62 6.28 27.33 27.33
	V	0.00	55.38	14.10	15.65	41.28	93.96 93.96 26.37 29.39 67.59
	N			31.25	45.51	302.74	33.77 50.66 174.04
7	M	90/ 55	90/ 55	70x 70 70x 70	90/ 55	90/ 55	70x 70 70x 70
	As	16.30	14.20	16.30 14.20	33.80	33.80	15.17 14.20 15.17 14.20 36.44 36.44
	V	160.06	160.06	37.77	43.19	122.29	154.12 154.12 39.64 45.07 114.48
	N			68.23	102.17	764.40 K	68.27 102.24 764.40 K
7	L	90/ 55	90/ 55	70x 70 70x 70	90/ 55	90/ 55	70x 70 70x 70
	As	16.30	14.20	16.30 14.20	33.80	33.80	15.17 14.20 15.17 14.20 36.44 36.44
	V	160.06	160.06	37.75	43.17	122.30	154.12 154.12 39.63 45.06 114.49
	N			68.14	102.01	764.40 K	68.25 102.20 764.40 K
7	K	90/ 55		70x 45 70x 45	42/ 55	42/ 55	45x 70 45x 70
	As	13.63	8.04	0.00 0.00	24.25	24.25	10.90 6.28 10.90 6.28 27.33 27.33
	V	71.54	0.00	13.96	15.45	57.53	90.16 90.16 26.11 29.05 64.05
	N			29.96	43.60	302.74	32.42 48.63 174.04
8	N	90/ 55		70x 45 70x 45	42/ 55	42/ 55	45x 70 45x 70
	As	0.00	0.00	11.69 8.04	24.25	24.25	12.91 7.41 12.91 7.41 27.33 27.33
	V	0.00	61.32	14.34	15.98	46.98	106.65 106.65 26.77 29.91 73.87
	N			33.37	48.55	302.74	33.94 53.83 174.04
8	M	90/ 55	90/ 55	70x 70 70x 70	90/ 55	90/ 55	70x 70 70x 70
	As	16.30	14.20	16.30 14.20	36.44	36.44	15.49 12.57 15.49 12.57 33.80 33.80
	V	160.06	160.06	38.31	43.40	121.75	147.20 147.20 36.41 41.48 110.73
	N			60.98	91.12	764.40 K	60.77 90.75 764.40 K
8	L	90/ 55	90/ 55	70x 70 70x 70	90/ 55	90/ 55	70x 70 70x 70
	As	16.30	14.20	16.30 14.20	36.44	36.44	15.49 12.57 15.49 12.57 33.80 33.80
	V	160.06	160.06	38.54	43.68	121.52	147.20 147.20 36.66 41.60 110.53
	N			62.22	92.94	764.40 K	62.15 92.84 764.40 K
8	K	90/ 55		70x 45 70x 45	42/ 55	42/ 55	45x 70 45x 70
	As	14.36	8.04	0.00 0.00	24.25	24.25	11.62 6.28 11.62 6.28 27.33 27.33
	V	75.33	0.00	14.20	15.77	61.13	93.96 93.96 26.55 29.61 67.41
	N			32.11	46.63	302.74	34.74 52.03 174.04
9	N	42/ 55		45x 45 45x 45	42/ 55	42/ 55	45x 45 45x 45
	As	0.00	0.00	7.41 4.02	12.32	12.32	0.00 0.00 3.80 2.26 12.32 12.32
	V	0.00	38.90	7.28	8.07	31.62	0.00 19.95 7.29 8.10 12.66
	N			15.88	23.03	111.88	15.99 23.26 111.88
9	M	42/ 55		45x 70 45x 70	90/ 55	90/ 55	70x 45 70x 45
	As	12.32	6.28	0.00 0.00	24.44	24.44	0.00 0.00 7.92 4.52 23.25 23.25
	V	64.62	0.00	21.83	23.63	42.75	0.00 41.54 12.42 13.36 29.12
	N			20.60	30.06	174.04	13.81 28.40 302.74
9	L	42/ 55		45x 70 45x 70	90/ 55	90/ 55	70x 45 70x 45
	As	0.00	0.00	12.32 4.02	27.33	27.33	0.00 0.00 7.92 4.52 24.25 24.25
	V	0.00	64.62	24.13	26.06	40.49	0.00 41.54 12.97 14.01 28.56
	N			21.98	32.13	174.04	21.14 30.39 302.74

	42/ 55	45x 45	45x 45	42/ 55	45x 45	45x 45
As	7.41	4.02	0.00	0.00	12.32	12.32
V	38.90		0.00		7.20	7.96
N					15.22	22.03

BİLSAR A.Ş. MÜHENDİSLİK PROGRAMLARI (0212) 221 29 98 . HER HAKKI SAKLIDIR. SADECE TEM MÜHENDİSLİK LTD. TARAFINDAN KULLANILIR
S.S. KARAKÖY PERŞEMBE PAZARI TİCCARLARI TOPLU İŞYERİ YAPI KODPERATİFİ 12. KAT SÜNEKLİK BİLGİLERİ

X Y Ö N Ü										Y Y Ö N Ü											
		K i r i ş				K O L O N						K i r i ş				K O L O N					
NOKTA NO		SOL		SAG		TOPLAM	ÜST	ALT	TOPLAM	Vis	SOL		SAG		TOPLAM	ÜST	ALT	TOPLAM	Vis		
		ÜST	ALT	ÜST	ALT						*1.2	ÜST	ALT	ÜST						ALT	*1.2
4	N			42/ 55			45x 45	45x 45			42/ 55				45x 45	45x 45					
	As	0.00	0.00	8.55	4.02		12.32	12.32			6.06	3.39	0.00	0.00		12.32	12.32				
	Mr	0.00	0.00	16.26	7.85	19.51	9.66	11.02	20.68	1.36	11.66	6.68	0.00	0.00	13.99	9.67	11.04	20.71	1.34		
	N						8.51	16.52								8.56	16.63				
4	M			42/ 55			45x 70	45x 70			90/ 55				70x 45	70x 45					
	As	12.32	6.28	0.00	0.00		24.44	24.44			13.01	6.53	0.00	0.00		23.25	23.25				
	Mr	23.20	12.07	0.00	0.00	27.84	29.91	32.89	62.80	1.58	25.01	12.92	0.00	0.00	30.01	17.07	18.72	35.79	2.16		
	N						10.87	21.13								10.65	20.33				
4	L			42/ 55			45x 70	45x 70			90/ 55				70x 45	70x 45					
	As	0.00	0.00	12.32	4.02		24.44	27.33			13.01	6.53	0.00	0.00		23.25	24.25				
	Mr	0.00	0.00	23.10	7.85	27.72	30.11	36.34	66.46	1.58	25.01	12.92	0.00	0.00	30.01	17.19	19.55	36.74	2.19		
	N						11.56	22.50								11.32	21.66				
4	K			42/ 55			45x 45	45x 45			42/ 55				45x 45	45x 45					
	As	8.55	3.15	0.00	0.00		12.32	12.32			6.06	3.39	0.00	0.00		12.32	12.32				
	Mr	16.27	9.96	0.00	0.00	19.52	9.66	10.91	20.51	1.36	11.66	6.68	0.00	0.00	13.99	9.61	10.93	20.54	1.34		
	N						8.18	16.56								8.23	16.37				
5	N			90/ 55			70x 45	70x 45			42/ 55		42/ 55		45x 70	45x 70					
	As	0.00	0.00	10.56	8.04		24.25	24.25			11.62	6.28	11.62	6.28		27.33	27.33				
	Mr	0.00	0.00	20.44	15.74	24.52	18.56	21.22	39.68	2.47	21.94	12.07	21.94	12.07	40.81	34.80	39.68	74.48	2.93		
	N						16.38	31.64								17.16	34.21				
5	M			90/ 55			70x 70	70x 70			90/ 55		90/ 55		70x 70	70x 70					
	As	16.30	14.20	16.30	14.20		33.80	36.44			15.49	12.57	15.49	12.57		36.44	33.80				
	Mr	31.14	27.23	31.14	27.23	70.05	46.09	57.43	103.51	5.30	29.62	24.18	29.62	24.18	64.57	48.84	54.58	103.42	5.16		
	N						30.73	60.85								30.60	60.64				
5	L			90/ 55			70x 70	70x 70			90/ 55		90/ 55		70x 70	70x 70					
	As	16.30	14.20	16.30	14.20		33.80	36.44			15.49	12.57	15.49	12.57		36.44	33.80				
	Mr	31.14	27.23	31.14	27.23	70.05	46.27	57.77	104.04	5.30	29.62	24.18	29.62	24.18	64.57	49.04	54.96	104.00	5.16		
	N						31.37	62.10								31.30	62.03				
5	K			90/ 55			70x 45	70x 45			42/ 55		42/ 55		45x 70	45x 70					
	As	12.82	8.04	0.00	0.00		24.25	24.25			10.96	6.28	10.96	6.28		27.33	27.33				
	Mr	24.66	15.74	0.00	0.00	29.59	18.55	21.01	39.55	2.47	20.73	12.07	20.73	12.07	39.36	34.62	39.33	73.96	2.93		
	N						15.74	30.36								16.55	32.99				
6	N			90/ 55			70x 45	70x 45			42/ 55		42/ 55		45x 70	45x 70					
	As	0.00	0.00	10.56	8.04		23.25	24.25			12.91	7.41	12.91	7.41		24.44	27.33				
	Mr	0.00	0.00	20.44	15.74	24.52	18.14	21.43	39.57	2.35	24.32	14.18	24.32	14.18	46.20	31.90	40.02	71.92	2.94		
	N						16.91	32.90								17.70	35.42				
6	M			90/ 55			70x 70	70x 70			90/ 55		90/ 55		70x 70	70x 70					
	As	16.30	14.20	16.30	14.20		30.47	33.80			15.17	14.20	15.17	14.20		40.09	36.44				
	Mr	31.14	27.23	31.14	27.23	70.05	43.60	56.68	100.28	5.30	29.04	27.23	29.04	27.23	67.52	53.78	59.48	113.26	5.44		
	N						34.32	68.33								34.36	68.37				

6	L	90/ 55				90/ 55				70x 70 70x 70				90/ 55				90/ 55				70x 70 70x 70			
		As	16.30	14.20	16.30	14.20			30.47	33.80					15.17	14.20	15.17	14.20			40.09	36.44			
		Mr	31.14	27.23	31.14	27.23	70.05	43.59	56.65	100.24	5.30	29.04	27.23	29.04	27.23	67.52	53.77	59.48	113.25	5.44					
		N						34.27	68.24								34.34	68.34							
6	K	90/ 55				70x 45 70x 45				42/ 55				42/ 55				45x 70 45x 70							
		As	12.82	8.04	0.00	0.00			23.25	24.25					11.62	6.28	11.62	6.28			24.44	27.33			
		Mr	24.66	15.74	0.00	0.00	29.59	18.02	21.21	39.23	2.35	21.94	12.07	21.94	12.07	40.81	31.70	39.63	71.33	2.94					
		N						16.24	31.59								17.01	34.05							
7	N	90/ 55				70x 45 70x 45				42/ 55				42/ 55				45x 70 45x 70							
		As	0.00	0.00	10.56	8.04			23.25	24.25					11.62	6.28	11.62	6.28			24.44	27.33			
		Mr	0.00	0.00	20.44	15.74	24.52	18.00	21.15	39.15	2.35	21.94	12.07	21.94	12.07	40.81	31.66	39.55	71.21	2.94					
		N						16.09	31.25								16.88	33.77							
7	M	90/ 55				90/ 55				70x 70 70x 70				90/ 55				90/ 55				70x 70 70x 70			
		As	16.30	14.20	16.30	14.20			30.47	33.80					15.17	14.20	15.17	14.20			42.47	36.44			
		Mr	31.14	27.23	31.14	27.23	70.05	43.59	56.65	100.24	5.30	29.04	27.23	29.04	27.23	67.52	56.29	59.46	115.75	5.44					
		N						34.28	68.23								34.32	68.27							
7	L	90/ 55				90/ 55				70x 70 70x 70				90/ 55				90/ 55				70x 70 70x 70			
		As	16.30	14.20	16.30	14.20			30.47	33.80					15.17	14.20	15.17	14.20			42.47	36.44			
		Mr	31.14	27.23	31.14	27.23	70.05	43.57	56.63	100.20	5.30	29.04	27.23	29.04	27.23	67.52	56.28	59.45	115.73	5.44					
		N						34.22	68.14								34.29	68.25							
7	K	90/ 55				70x 45 70x 45				42/ 55				42/ 55				45x 70 45x 70							
		As	12.82	8.04	0.00	0.00			24.25	24.25					10.90	6.28	10.90	6.28			27.33	27.33			
		Mr	24.66	15.74	0.00	0.00	29.59	18.50	20.94	39.44	2.35	20.62	12.07	20.62	12.07	39.23	34.53	39.17	73.70	2.94					
		N						15.44	29.36								16.21	32.42							
8	N	90/ 55				70x 45 70x 45				42/ 55				42/ 55				45x 70 45x 70							
		As	0.00	0.00	10.56	8.04			24.25	24.25					12.91	7.41	12.91	7.41			27.33	27.33			
		Mr	0.00	0.00	20.44	15.74	24.52	18.60	21.50	40.31	2.47	24.32	14.18	24.32	14.18	46.20	38.08	40.16	75.21	2.93					
		N						17.24	33.37								18.02	35.94							
8	M	90/ 55				90/ 55				70x 70 70x 70				90/ 55				90/ 55				70x 70 70x 70			
		As	16.30	14.20	16.30	14.20			33.80	36.44					15.49	12.57	15.49	12.57			36.44	33.80			
		Mr	31.14	27.23	31.14	27.23	70.05	46.10	57.46	103.56	5.30	29.62	24.18	29.62	24.18	64.57	48.86	54.61	103.47	5.16					
		N						30.79	60.98								30.66	60.77							
8	L	90/ 55				90/ 55				70x 70 70x 70				90/ 55				90/ 55				70x 70 70x 70			
		As	16.30	14.20	16.30	14.20			33.80	36.44					15.49	12.57	15.49	12.57			36.44	33.80			
		Mr	31.14	27.23	31.14	27.23	70.05	46.29	57.81	104.09	5.30	29.62	24.18	29.62	24.18	64.57	49.06	55.00	104.08	5.16					
		N						31.42	62.22								31.35	62.15							
8	K	90/ 55				70x 45 70x 45				42/ 55				42/ 55				45x 70 45x 70							
		As	12.82	8.04	0.00	0.00			24.25	24.25					11.62	6.28	11.62	6.28			27.33	27.33			
		Mr	24.66	15.74	0.00	0.00	29.59	18.70	21.30	39.93	2.47	21.94	12.07	21.94	12.07	40.81	34.88	33.82	74.70	2.93					
		N						16.62	32.11								17.43	34.74							
9	N	42/ 55				45x 45 45x 45				42/ 55				42/ 55				45x 45 45x 45							
		As	0.00	0.00	7.41	4.02			12.32	12.32					0.00	0.00	3.80	2.26			12.32	12.32			
		Mr	0.00	0.00	14.17	7.85	17.01	9.60	10.91	20.52	1.36	0.00	0.00	7.44	4.55	8.92	9.61	10.93	20.54	1.34					
		N						8.18	15.88								8.23	15.99							
9	M	42/ 55				45x 70 45x 70				90/ 55				90/ 55				70x 45 70x 45							
		As	12.32	6.28	0.00	0.00			24.44	24.44					0.00	0.00	7.92	4.52			23.25	23.25			
		Mr	23.20	12.07	0.00	0.00	27.84	29.83	32.74	62.57	1.58	0.00	0.00	15.50	9.14	18.59	17.02	18.63	35.65	2.16					
		N						10.59	20.60								10.37	19.81							
9	L	42/ 55				45x 70 45x 70				90/ 55				90/ 55				70x 45 70x 45							
		As	0.00	0.00	12.32	4.02			24.44	27.33					0.00	0.00	7.92	4.52			23.25	24.25			
		Mr	0.00	0.00	23.10	7.85	27.72	30.03	36.19	66.23	1.58	0.00	0.00	15.50	9.14	18.59	17.14	19.46	36.60	2.19					
		N						11.28	21.90								11.04	21.14							
9	K	42/ 55				45x 45 45x 45				42/ 55				42/ 55				45x 45 45x 45							

H5	7.41	4.02	0.00	0.00	12.32	12.32			0.00	0.00	3.80	2.26	12.32	12.32				
Mr	14.17	7.85	0.00	0.00	17.01	9.54	10.80	20.35	1.36	0.00	0.00	7.44	4.55	8.92	9.55	10.82	20.37	1.34
N					7.85	15.22								7.90	15.33			

Sünek Kolonlar Kesme Kuvvetleri Toplamı	73.43	79.92
Tüm Kolonlar Kesme Kuvvetleri Toplamı	73.43	79.92
Sünek / Tüm Oranı	1.00	1.00

BİLSAR A.Ş. MÜHENDİSLİK PROGRAMLARI (0212) 221 29 98 . HER HAKKI SAKLIDIR. SADECE TEM MÜHENDİSLİK LTD. TARAFINDAN KULLANILIR
S.S. KARAKÖY PERŞEMBE PAZARI TUCCARLARI TOPLU İŞYERİ YAPI KOOPERATİFİ 12. KAT KOLON KIRIŞ BİRLEŞİM BÖLGELERİ KESME GÜVENLİĞİ

NOKTA NO		X Y Ö N Ü						Y Y Ö N Ü					
		K i r i ş		KOLON		Ve		K i r i ş		KOLON		Ve	
		SOL	SAG	ÜST	ALT			SOL	SAG	ÜST	ALT		
		ÜST	ALT	ÜST	ALT	ÜST	ALT	ÜST	ALT	ÜST	ALT	ÜST	ALT
4	N			42/ 55	45x 45 45x 45			42/ 55		45x 45 45x 45			
	As	0.00	0.00	8.55	4.02	12.32	12.32	6.06	3.39	0.00	0.00	12.32	12.32
	V		0.00	44.84	6.44	7.35	38.40	31.81		0.00	6.44	7.35	25.37
	N				8.51	16.52	111.88				8.56	16.63	111.88
4	M		42/ 55		45x 70 45x 70			90/ 55		70x 45 70x 45			
	As	12.32	6.28	0.00	0.00	24.44	24.44	13.01	6.53	0.00	0.00	23.25	23.25
	V		64.62		0.00	19.94	21.93	44.67	68.24		0.00	11.38	12.48
	N					10.87	21.13	174.04				10.65	20.33
												302.74	
4	L		42/ 55		45x 70 45x 70			90/ 55		70x 45 70x 45			
	As	0.00	0.00	12.32	4.02	24.44	27.33	13.01	6.53	0.00	0.00	23.25	24.25
	V		0.00	64.62	20.08	24.23	44.54	68.24		0.00	11.46	13.03	56.79
	N				11.56	22.50	174.04				11.32	21.66	302.74
4	K		42/ 55		45x 45 45x 45			42/ 55		45x 45 45x 45			
	As	8.55	5.15	0.00	0.00	12.32	12.32	6.06	3.39	0.00	0.00	12.32	12.32
	V		44.84		0.00	6.40	7.27	38.44	31.81		0.00	6.41	7.29
	N					8.18	15.86	111.88				8.23	15.97
												111.88	
5	N		90/ 55		70x 45 70x 45			42/ 55	42/ 55	45x 70 45x 70			
	As	0.00	0.00	10.56	8.04	24.25	24.25	11.62	6.28	11.62	6.28	27.33	27.33
	V		0.00	55.38	12.44	14.15	42.95	93.96	93.96	23.20	26.45	70.76	
	N				16.38	31.64	302.74				17.15	34.21	174.04
5	M		90/ 55		70x 70 70x 70			90/ 55	90/ 55	70x 70 70x 70			
	As	16.30	14.20	16.30	14.20	33.80	36.44	15.49	12.57	15.49	12.57	36.44	33.80
	V		160.06		160.06	30.72	38.28	129.33	147.20	147.20	32.56	36.39	114.64
	N					30.73	60.85	764.40 K			30.60	60.64	764.40 K
5	L		90/ 55		70x 70 70x 70			90/ 55	90/ 55	70x 70 70x 70			
	As	16.30	14.20	16.30	14.20	33.80	36.44	15.49	12.57	15.49	12.57	36.44	33.80
	V		160.06		160.06	30.85	38.51	129.21	147.20	147.20	32.69	36.64	114.50
	N					31.37	62.10	764.40 K			31.30	62.03	764.40 K
5	K		90/ 55		70x 45 70x 45			42/ 55	42/ 55	45x 70 45x 70			
	As	12.82	8.04	0.00	0.00	24.25	24.25	10.96	6.28	10.96	6.28	27.33	27.33
	V		67.25		0.00	12.37	14.00	54.89	90.49	90.49	23.08	26.22	67.41
	N					15.74	30.36	302.74			16.55	32.99	174.04
6	N		90/ 55		70x 45 70x 45			42/ 55	42/ 55	45x 70 45x 70			
	As	0.00	0.00	10.56	8.04	23.25	24.25	12.91	7.41	12.91	7.41	24.44	27.33
	V		0.00	55.38	12.09	14.29	43.29	106.65	106.65	21.27	26.68	85.38	
	N					16.91	32.90	302.74			17.70	35.42	174.04
6	M		90/ 55		70x 70 70x 70			90/ 55	90/ 55	70x 70 70x 70			
	As	16.30	14.20	16.30	14.20	30.47	33.80	15.17	14.20	15.17	14.20	40.09	36.44
	V		160.06		160.06	29.07	37.79	130.99	154.12	154.12	35.85	39.65	118.27
	N					34.32	68.33	764.40 K			34.36	68.37	764.40 K

6	L	90/ 55	90/ 55	70x 70	70x 70	90/ 55	90/ 55	70x 70	70x 70
	As	16.30	14.20	16.30	14.20	30.47	33.80	15.17	14.20
	V	160.06		160.06		29.06	37.77	131.00	154.12
	N					34.27	68.24	764.40	K
6	K	90/ 55		70x 45	70x 45	42/ 55	42/ 55	45x 70	45x 70
	As	12.82	8.04	0.00	0.00	23.25	24.25	11.62	6.28
	V	67.25		0.00		12.02	14.14	55.24	93.96
	N					16.24	31.59	302.74	
7	N	90/ 55		70x 45	70x 45	42/ 55	42/ 55	45x 70	45x 70
	As	0.00	0.00	10.56	8.04	23.25	24.25	11.62	6.28
	V	0.00		55.38		12.00	14.10	43.39	93.96
	N					16.09	31.25	302.74	
7	M	90/ 55	90/ 55	70x 70	70x 70	90/ 55	90/ 55	70x 70	70x 70
	As	16.30	14.20	16.30	14.20	30.47	33.80	15.17	14.20
	V	160.06		160.06		29.06	37.77	131.00	154.12
	N					34.28	68.23	764.40	K
7	L	90/ 55	90/ 55	70x 70	70x 70	90/ 55	90/ 55	70x 70	70x 70
	As	16.30	14.20	16.30	14.20	30.47	33.80	15.17	14.20
	V	160.06		160.06		29.05	37.75	131.01	154.12
	N					34.22	68.14	764.40	K
7	K	90/ 55		70x 45	70x 45	42/ 55	42/ 55	45x 70	45x 70
	As	12.82	8.04	0.00	0.00	24.25	24.25	10.90	6.28
	V	67.25		0.00		12.33	13.96	54.92	90.16
	N					15.44	29.96	302.74	
8	N	90/ 55		70x 45	70x 45	42/ 55	42/ 55	45x 70	45x 70
	As	0.00	0.00	10.56	8.04	24.25	24.25	12.91	7.41
	V	0.00		55.38		12.54	14.34	42.85	106.65
	N					17.24	33.37	302.74	
8	M	90/ 55	90/ 55	70x 70	70x 70	90/ 55	90/ 55	70x 70	70x 70
	As	16.30	14.20	16.30	14.20	33.80	36.44	15.49	12.57
	V	160.06		160.06		30.73	38.31	129.32	147.20
	N					30.79	60.98	764.40	K
8	L	90/ 55	90/ 55	70x 70	70x 70	90/ 55	90/ 55	70x 70	70x 70
	As	16.30	14.20	16.30	14.20	33.80	36.44	15.49	12.57
	V	160.06		160.06		30.86	38.54	129.20	147.20
	N					31.42	62.22	764.40	K
8	K	90/ 55		70x 45	70x 45	42/ 55	42/ 55	45x 70	45x 70
	As	12.82	8.04	0.00	0.00	24.25	24.25	11.62	6.28
	V	67.25		0.00		12.46	14.20	54.79	93.96
	N					16.62	32.11	302.74	
9	N	42/ 55		45x 45	45x 45	42/ 55	42/ 55	45x 45	45x 45
	As	0.00	0.00	7.41	4.02	12.32	12.32	0.00	0.00
	V	0.00		38.90		6.40	7.28	32.50	0.00
	N					8.18	15.88	111.88	
9	M	42/ 55		45x 70	45x 70	90/ 55	90/ 55	70x 45	70x 45
	As	12.32	6.28	0.00	0.00	24.44	24.44	0.00	0.00
	V	64.62		0.00		19.89	21.83	44.73	0.00
	N					10.59	20.60	174.04	
9	L	42/ 55		45x 70	45x 70	90/ 55	90/ 55	70x 45	70x 45
	As	0.00	0.00	12.32	4.02	24.44	27.33	0.00	0.00
	V	0.00		64.62		20.02	24.13	44.59	0.00
	N					11.28	21.98	174.04	
9	K	42/ 55		45x 45	45x 45	42/ 55	42/ 55	45x 45	45x 45

HS	7.41	4.02	0.00	0.00	12.32	12.32	0.00	0.00	3.80	2.26	12.32	12.32	
V	38.90		0.00		6.36	7.20	32.54	0.00	19.95		6.37	7.21	13.58
N					7.85	15.22	111.88				7.90	15.33	111.88

DİNAMİK ÇÖZÜM

9Ts0Ps16.66Hs10Vv3G18D

BİLSAR A.Ş. MÜHENDİSLİK PROGRAMLARI (0212) 221 29 98 . HER HAKKI SAKLIDIR. SADECE TEM MÜHENDİSLİK LTD. TARAFINDAN KULLANILIR

S.S. KARAKÖY PERŞEMBE PAZARI TUCARLARI TOPLU İŞYERİ YAPI KOOPERATİFİ DİNAMİK HESAP

X Yonu

RELATİF HATA = 1e-04 DM

1. MOD

1.0000	0.9869	0.9635	0.9293	0.8839	0.8321	0.7715	0.7025	0.6270	0.5430
0.4478	0.2534	0.0422							

YÜKLER

67.1030	69.4365	67.7810	71.9120	68.8847	59.7555	60.8241	55.7154	45.7929	43.4684
38.1275	14.7577	3.9222							

YÜK TOPLAMI = 667.4810

DM = 2.1359 T = 2.9418 NIT = 4 KATILMA KATSAYISI = 1.242
ETKİN KÜTLE ORANI = 0.843
TOPLAM E.K.O. = 0.843

X Yonu

RELATİF HATA = 0.000 DM

2. MOD

1.0000	0.8714	0.6536	0.3674	0.0449	-0.2534	-0.5215	-0.7235	-0.8397	-0.8696
-0.7979	-0.4900	-0.0864							

YÜKLER

57.1152	61.2053	45.7204	28.0057	3.0597	-18.4770	-41.1682	-57.1236	-60.8240	-68.8557
-67.0957	-28.1387	-7.9136							

YÜK TOPLAMI = -144.4095

DM = 6.8467 T = 0.9177 NIT = 4 KATILMA KATSAYISI = -0.357
ETKİN KÜTLE ORANI = 0.052
TOPLAM E.K.O. = 0.896

X Yonu

RELATİF HATA = 0.000 DM

3. MOD

1.0000	0.6098	0.0397	-0.5230	-0.8632	-0.8798	-0.6297	-0.1820	0.3016	0.6881
0.8493	0.6338	0.1267							

YÜKLER

67.5135	43.1488	2.8506	-40.4792	-67.1677	-62.9702	-49.3951	-14.4049	21.7057	54.3429
71.3311	36.3846	11.6096							

YÜK TOPLAMI = 74.4696

DM = 12.5454 T = 0.5008 NIT = 5 KATILMA KATSAYISI = 0.191
ETKİN KÜTLE ORANI = 0.014
TOPLAM E.K.O. = 0.910

DİNAMİK HESAP

Amax = 2.9430 Yapı Davranış KatSayısı = 8.0000

Sa/Amax ORANLARI

0.4025
1.0221
1.6591

BETALAR

1.4707 -1.0742 0.9336

MAKSİMUM YÜKLER

137.5119	127.0563	104.8566	96.1809	87.7296	77.1968	78.9506	71.3893	58.9410	60.3536
61.4022	27.6119	7.6820							

HESAP YÜKLERİ

17.1890	15.8820	13.1071	12.0226	10.9662	9.6496	9.8688	8.9237	7.3676	7.5442
7.6753	3.3765	0.9602							

YÜK TOPLAMI = 124.5328

Y Yonu

RELATİF HATA = 0.0000 DM

1. MOD

1.0000	0.9851	0.9582	0.9187	0.8661	0.8064	0.7369	0.6578	0.5726	0.4791
0.3751	0.1992	0.0426							

YÜKLER

67.1030	69.3085	67.4084	71.0900	67.4911	57.9096	58.0919	52.1708	41.8184	38.3500
31.9356	11.6041	3.9616							

YÜK TOPLAMI = 638.2427

DM = 3.1050 T = 2.0235 NIT = 4 KATILMA KATSAYISI = 1.266
ETKİN KÜTLE ORANI = 0.822
TOPLAM E.K.O. = 0.822

Y Yonu

RELATİF HATA = 0.000 DM

2. MOD

1.0000	0.8634	0.6310	0.3259	-0.0149	-0.3215	-0.5879	-0.7760	-0.8656	-0.8601
-0.7473	-0.4266	-0.0961							

YÜKLER

67.1158	60.6473	44.1547	24.8392	-1.5394	-23.3072	-46.3450	-61.2502	-62.7192	-68.1480
-62.8965	-24.5301	-8.8156							

YÜK TOPLAMI = -162.7944

DM =	9.6254	T =	0.6528	NIT =	4	KATILMA KATSAYISI =	-0.400
						ETKİN KÜTLE ORANI =	0.066
						TOPLAM E.K.O. =	0.888

Y Yonu

RELATİF HATA = 0.000 DM

3. MOD

1.0000	0.5986	0.0120	-0.5600	-0.8883	-0.8716	-0.5783	-0.0967	0.3903	0.7489
0.8523	0.5728	0.1440							

YÜKLER

57.4756	42.3393	0.9043	-43.3354	-69.1457	-62.4354	-45.4398	-7.7241	28.1571	59.2668
71.7364	32.9653	13.2309							

YÜK TOPLAMI = 87.9954

DM =	17.3591	T =	0.3620	NIT =	5	KATILMA KATSAYISI =	0.222
						ETKİN KÜTLE ORANI =	0.020
						TOPLAM E.K.O. =	0.908

DİNAMİK HESAP

Amax = 2.9430 Yapı Davranış KatSayısı = 8.0000

Sa/Amax ORANLARI

0.5429
1.3422
2.1514

BETALAR

2.0226	-1.5817	1.4078
--------	---------	--------

MAKSİMUM YÜKLER

196.7562	178.5570	142.5477	126.3566	114.0385	100.6143	101.8046	90.0776	73.5507	75.8958
77.1148	32.7274	12.1105							

HESAP YÜKLERİ

24.5945	22.3196	17.8185	15.7946	14.2548	12.5768	12.7256	11.2597	9.1938	9.4870
9.6394	4.0909	1.5138							

YÜK TOPLAMI = 165.2690

ŞARTNAME GEREĞİ YENİ DEPREM YÜKLERİ

X Yönü Oranı = 2.091
Y Yönü Oranı = 1.575

FX	FY
35.936	38.744
33.203	35.160
27.402	28.070
25.135	24.881
22.926	22.456
20.174	19.812
20.632	20.047
18.656	17.738
15.403	14.483
15.772	14.945
16.046	15.185
7.059	6.444
2.007	2.385

S.S. KARAKÖY PERŞEMBE PAZARI TUCARLARI TOPLU İŞYERİ YAPI KOOPERATİFİ YATAY YÜKLERE GÖRE HESAP

KAT DEPLASMANLARI

KAT NO	DX(X)	TETA(X)	DY(X)	DX(Y)	TETA(Y)	DY(Y)
13	0.03106	-0.00002	0.00011	-0.00310	0.00017	0.02478
12	0.03059	-0.00002	0.00011	-0.00310	0.00017	0.02432
11	0.02977	-0.00002	0.00011	-0.00310	0.00017	0.02351
10	0.02863	-0.00002	0.00011	-0.00310	0.00017	0.02238
9	0.02721	-0.00002	0.00011	-0.00310	0.00017	0.02098
8	0.02567	-0.00002	0.00011	-0.00310	0.00017	0.01948
7	0.02393	-0.00002	0.00011	-0.00310	0.00017	0.01778
6	0.02198	-0.00002	0.00011	-0.00309	0.00017	0.01589
5	0.01989	-0.00002	0.00011	-0.00308	0.00017	0.01390
4	0.01757	-0.00002	0.00011	-0.00305	0.00017	0.01172
3	0.01487	-0.00002	0.00010	-0.00295	0.00016	0.00924
2	0.00820	-0.00001	0.00009	-0.00230	0.00013	0.00499
1	0.00128	-0.00000	0.00000	-0.00011	0.00000	0.00103

KAT DEPLASMANLARI (+0.05 DIŞMERKEZLİK İÇİN)

KAT NO	DX(X)	TETA(X)	DY(X)	DX(Y)	TETA(Y)	DY(Y)
13	0.03446	-0.00021	0.00196	-0.00886	0.00050	0.02165
12	0.03394	-0.00021	0.00193	-0.00875	0.00049	0.02125
11	0.03301	-0.00020	0.00187	-0.00857	0.00048	0.02055
10	0.03173	-0.00020	0.00178	-0.00832	0.00047	0.01957
9	0.03013	-0.00019	0.00168	-0.00802	0.00045	0.01835
8	0.02841	-0.00017	0.00156	-0.00769	0.00043	0.01705
7	0.02644	-0.00016	0.00143	-0.00731	0.00041	0.01558
6	0.02425	-0.00015	0.00128	-0.00689	0.00039	0.01393
5	0.02190	-0.00013	0.00112	-0.00643	0.00036	0.01221
4	0.01929	-0.00012	0.00095	-0.00592	0.00033	0.01032
3	0.01626	-0.00010	0.00076	-0.00527	0.00029	0.00815
2	0.00900	-0.00005	0.00042	-0.00364	0.00020	0.00442
1	0.00141	-0.00000	0.00008	-0.00035	0.00002	0.00090

KAT DEPLASMANLARI (-0.05 DIŞMERKEZLİK İÇİN)

KAT NO	DX(X)	TETA(X)	DY(X)	DX(Y)	TETA(Y)	DY(Y)
13	0.02765	0.00017	-0.00173	0.00267	-0.00016	0.02792
12	0.02724	0.00017	-0.00170	0.00256	-0.00015	0.02739
11	0.02652	0.00016	-0.00164	0.00238	-0.00014	0.02646
10	0.02553	0.00016	-0.00155	0.00213	-0.00012	0.02519
9	0.02428	0.00015	-0.00145	0.00182	-0.00011	0.02361
8	0.02294	0.00014	-0.00133	0.00149	-0.00009	0.02191
7	0.02141	0.00012	-0.00120	0.00112	-0.00007	0.01998
6	0.01971	0.00011	-0.00105	0.00071	-0.00004	0.01784
5	0.01789	0.00009	-0.00090	0.00027	-0.00002	0.01558
4	0.01585	0.00008	-0.00073	-0.00018	0.00000	0.01312
3	0.01347	0.00006	-0.00055	-0.00062	0.00003	0.01033
2	0.00739	0.00003	-0.00026	-0.00096	0.00005	0.00556

1 0.00114 0.00000 -0.00007 0.00012 -0.00000 0.00116

RELATİF DEPLASMANLAR VE DÜZENSİZLİK KATSAYILARI

KAT No	Yön	Ortalama Rel. Dep.	Max. Rel. Dep	Burulma Oranı (A1)	Etkili Kesme Alanı	Zayıf Kat Oranı (B1)	Yumuşak Kat Oranı (B2)	Rel. Dep./ Kat Yks.
13	X	0.00047	0.00047	1.000	8.510			
	Y	0.00046	0.00046	1.000	8.510			
12	X	0.00082	0.00082	1.000	8.510	1.000	1.755	0.000118
	Y	0.00081	0.00081	1.000	8.510	1.000	1.748	0.000116
11	X	0.00114	0.00114	1.000	8.510	1.000	1.385	0.000105
	Y	0.00112	0.00112	1.000	8.510	1.000	1.384	0.000104
10	X	0.00142	0.00142	1.000	8.510	1.000	1.253	0.000096
	Y	0.00140	0.00140	1.000	8.510	1.000	1.250	0.000094
9	X	0.00153	0.00153	1.000	10.920	1.283	1.077	0.000036
	Y	0.00150	0.00150	1.000	10.920	1.283	1.069	0.000032
8	X	0.00174	0.00174	1.000	10.920	1.000	1.136	0.000070
	Y	0.00170	0.00170	1.000	10.920	1.000	1.131	0.000065
7	X	0.00195	0.00195	1.000	10.920	1.000	1.119	0.000069
	Y	0.00190	0.00190	1.001	10.920	1.000	1.117	0.000067
6	X	0.00208	0.00208	1.001	12.880	1.179	1.068	0.000045
	Y	0.00200	0.00201	1.003	12.880	1.179	1.055	0.000036
5	X	0.00232	0.00232	1.002	12.880	1.000	1.114	0.000080
	Y	0.00220	0.00222	1.009	12.880	1.000	1.099	0.000070
4	X	0.00269	0.00270	1.006	12.880	1.000	1.158	0.000126
	Y	0.00253	0.00259	1.023	12.880	1.000	1.153	0.000125
3	X	0.00660	0.00667	1.011	15.810	1.227	2.455	0.001322
	Y	0.00463	0.00501	1.082	15.810	1.227	1.828	0.000805
2	X	0.00670	0.00692	1.034	15.990	1.011	1.015	0.000085
	Y	0.00523	0.00650	1.244	16.884	1.068	1.129	0.000499
1	X	0.00126	0.00128	1.013	15.810	0.989	0.188	0.001883
	Y	0.00110	0.00116	1.059	15.810	0.936	0.210	0.001781

RELATİF DEPLASMANLAR VE DÜZENSİZLİK KATSAYILARI (+0.05 DİŞMERKEZLİK İÇİN)

KAT No	Yön	Ortalama Rel. Dep.	Max. Rel. Dep	Burulma Oranı (A1)	Etkili Kesme Alanı	Zayıf Kat Oranı (B1)	Yumuşak Kat Oranı (B2)	Rel. Dep./ Kat Yks.
13	X	0.00047	0.00053	1.129	8.510			
	Y	0.00046	0.00053	1.139	8.510			
12	X	0.00082	0.00092	1.125	8.510	1.000	1.755	0.000132
	Y	0.00081	0.00092	1.135	8.510	1.000	1.748	0.000131
11	X	0.00114	0.00128	1.124	8.510	1.000	1.385	0.000118
	Y	0.00112	0.00127	1.132	8.510	1.000	1.384	0.000117
10	X	0.00142	0.00160	1.123	8.510	1.000	1.253	0.000107
	Y	0.00140	0.00159	1.130	8.510	1.000	1.250	0.000105

9	X	0.00153	0.00173	1.126	10.920	1.283	1.077	0.000042
	Y	0.00150	0.00170	1.133	10.920	1.283	1.069	0.000038
8	X	0.00174	0.00196	1.126	10.920	1.000	1.136	0.000078
	Y	0.00170	0.00192	1.133	10.920	1.000	1.131	0.000074
7	X	0.00195	0.00219	1.126	10.920	1.000	1.119	0.000078
	Y	0.00190	0.00215	1.132	10.920	1.000	1.117	0.000075
6	X	0.00208	0.00235	1.128	12.880	1.179	1.068	0.000051
	Y	0.00200	0.00227	1.137	12.880	1.179	1.055	0.000043
5	X	0.00232	0.00261	1.127	12.880	1.000	1.114	0.000089
	Y	0.00220	0.00251	1.141	12.880	1.000	1.100	0.000079
4	X	0.00269	0.00303	1.126	12.880	1.000	1.159	0.000137
	Y	0.00255	0.00293	1.150	12.880	1.000	1.156	0.000139
3	X	0.00660	0.00726	1.100	15.810	1.227	2.456	0.001411
	Y	0.00470	0.00566	1.205	15.810	1.227	1.846	0.000912
2	X	0.00671	0.00759	1.131	15.990	1.011	1.017	0.000109
	Y	0.00544	0.00737	1.354	16.884	1.068	1.158	0.000567
1	X	0.00126	0.00141	1.123	15.810	0.989	0.188	0.002058
	Y	0.00111	0.00131	1.184	15.810	0.936	0.204	0.002018

RELATİF DEPLASHANLAR VE DÜZENSİZLİK KATSAYILARI (-0.05 DIŞMERKEZLİK İÇİN)

KAT No	Yön	Ortalama Rel. Dep.	Max. Rel. Dep.	Burulma Oranı (A1)	Etkili Kesme Alanı	Zayıf Kat Oranı (B1)	Yumuşak Kat Oranı (B2)	Rel. Dep./ Kat Yks.
13	X	0.00047	0.00053	1.129	8.510			
	Y	0.00046	0.00053	1.139	8.510			
12	X	0.00082	0.00092	1.125	8.510	1.000	1.755	0.000132
	Y	0.00081	0.00092	1.135	8.510	1.000	1.748	0.000131
11	X	0.00114	0.00128	1.124	8.510	1.000	1.385	0.000118
	Y	0.00112	0.00127	1.132	8.510	1.000	1.384	0.000117
10	X	0.00142	0.00160	1.123	8.510	1.000	1.253	0.000107
	Y	0.00140	0.00159	1.130	8.510	1.000	1.250	0.000105
9	X	0.00153	0.00173	1.126	10.920	1.283	1.077	0.000042
	Y	0.00150	0.00170	1.133	10.920	1.283	1.069	0.000038
8	X	0.00174	0.00196	1.126	10.920	1.000	1.136	0.000078
	Y	0.00170	0.00192	1.132	10.920	1.000	1.130	0.000074
7	X	0.00195	0.00219	1.125	10.920	1.000	1.119	0.000077
	Y	0.00189	0.00214	1.130	10.920	1.000	1.117	0.000073
6	X	0.00208	0.00234	1.126	12.880	1.179	1.068	0.000050
	Y	0.00200	0.00226	1.131	12.880	1.179	1.055	0.000039
5	X	0.00232	0.00260	1.122	12.880	1.000	1.114	0.000086
	Y	0.00219	0.00247	1.124	12.880	1.000	1.098	0.000069
4	X	0.00269	0.00299	1.114	12.880	1.000	1.158	0.000130
	Y	0.00252	0.00279	1.105	12.880	1.000	1.149	0.000106
3	X	0.00659	0.00711	1.078	15.810	1.227	2.454	0.001371

	Y	0.00456	0.00477	1.046	15.810	1.227	1.810	0.000663
2	X	0.00668	0.00710	1.063	15.990	1.011	1.014	0.000000
	Y	0.00502	0.00564	1.124	16.884	1.068	1.100	0.000290
1	X	0.00126	0.00138	1.097	15.810	0.989	0.188	0.001908
	Y	0.00109	0.00116	1.068	15.810	0.936	0.216	0.001495

4 AKSI KIRIS MOMENTLERI

KAT NO	I	J	ADI	MIX	MJX	TX	MIY	MJY	TY
13	4+N	4+M	K1301	-1.49	-1.81	-0.49	0.31	0.37	0.10
	4+L	4+K	K1302	-1.81	-1.49	-0.49	0.37	0.31	0.10
12	4+N	4+M	K1201	-3.16	-3.45	-0.98	0.63	0.69	0.20
	4+L	4+K	K1202	-3.45	-3.16	-0.98	0.69	0.63	0.20
11	4+N	4+M	K1101	-4.83	-5.38	-1.51	0.94	1.05	0.29
	4+L	4+K	K1102	-5.38	-4.83	-1.51	1.05	0.94	0.29
10	4+N	4+M	K1001	-6.17	-6.72	-1.90	1.18	1.29	0.36
	4+M	4+L	K1002	-2.77	-2.77	-0.79	0.53	0.53	0.15
	4+L	4+K	K1001	-6.72	-6.17	-1.90	1.29	1.18	0.36
9	4+N	4+M	K901	-7.61	-8.13	-2.33	1.46	1.56	0.45
	4+M	4+L	K902	-3.28	-3.28	-0.94	0.63	0.63	0.18
	4+L	4+K	K901	-8.13	-7.61	-2.33	1.56	1.46	0.45
8	4+N	4+M	K801	-8.38	-9.57	-2.73	1.71	1.85	0.53
	4+L	4+K	K801A	-9.57	-8.38	-2.73	1.85	1.71	0.53
7	4+N	4+M	K701	-9.90	-10.48	-3.02	1.83	1.99	0.57
	4+M	4+L	K702	-4.20	-4.19	-1.20	0.80	0.80	0.23
	4+L	4+K	K701	-10.48	-9.90	-3.02	1.99	1.83	0.57
6	4+N	4+M	K601	-10.85	-11.56	-3.32	2.09	2.23	0.64
	4+M	4+L	K602	-4.66	-4.66	-1.33	0.90	0.90	0.26
	4+L	4+K	K601	-11.56	-10.85	-3.32	2.23	2.09	0.64
5	4+N	4+M	K501	-11.90	-12.93	-3.68	2.32	2.50	0.71
	4+L	4+K	K501A	-12.93	-11.90	-3.67	2.49	2.30	0.71
4	4+N	4+M	K401	-13.50	-14.42	-4.14	2.83	3.05	0.87
	4+M	4+L	K402	-5.83	-5.84	-1.67	1.25	1.25	0.36
	4+L	4+K	K401	-14.42	-13.50	-4.20	3.11	2.92	0.89
3	4+N	4+M	K301	-15.38	-16.64	-4.76	3.04	3.19	0.93
	4+M	4+L	K302	-6.71	-6.66	-1.91	1.25	1.23	0.35
	4+L	4+K	K301	-16.64	-15.38	-4.45	2.90	2.59	0.82
2	4+N	4+M	K201	-17.67	-19.81	-5.57	6.17	6.98	1.96
	4+M	4+L	K202	-8.54	-8.80	-2.48	3.04	3.13	0.88
1	4+N	4+M	K101	-12.55	-13.29	-3.84	4.44	4.69	1.36
	4+M	4+L	K102	-13.54	-13.60	-3.88	4.77	4.79	1.37
	4+L	4+K	K101	-5.43	-5.26	-1.59	1.92	1.86	0.56

5 AKSI KIRIS MOMENTLERI

KAT	I	J	ADI	MIX	MJX	TX	MIY	MJY	TY
NO									
13	5+N	5+M	K1303	-2.56	-2.95	-0.81	0.33	0.38	0.11
	5+M	5+L	K1304	-2.88	-2.70	-0.80	0.37	0.35	0.10
	5+L	5+K	K1303	-3.13	-2.56	-0.84	0.41	0.33	0.11
12	5+N	5+M	K1203	-5.79	-6.30	-1.78	0.73	0.79	0.22
	5+M	5+L	K1204	-5.87	-5.64	-1.64	0.74	0.71	0.21
	5+L	5+K	K1203	-6.53	-5.79	-1.82	0.82	0.73	0.23
11	5+N	5+M	K1103	-8.79	-9.64	-2.72	1.08	1.18	0.33
	5+M	5+L	K1104	-9.04	-8.65	-2.53	1.11	1.06	0.31
	5+L	5+K	K1103	-10.02	-8.79	-2.78	1.23	1.08	0.34
10	5+N	5+M	K1003	-11.34	-12.34	-3.49	1.36	1.48	0.42
	5+M	5+L	K1004	-12.91	-12.42	-3.62	1.55	1.49	0.43
	5+L	5+K	K1003	-12.83	-11.34	-3.57	1.54	1.36	0.43
9	5+N	5+M	K903	-14.41	-15.46	-4.43	1.74	1.86	0.53
	5+M	5+L	K904	-15.93	-15.41	-4.48	1.92	1.86	0.54
	5+L	5+K	K903	-15.98	-14.41	-4.50	1.93	1.74	0.54
8	5+N	5+M	K803	-17.01	-18.18	-5.21	2.06	2.20	0.63
	5+M	5+L	K804	-16.65	-16.10	-4.68	2.02	1.95	0.57
	5+L	5+K	K803	-18.73	-17.01	-5.29	2.27	2.06	0.64
7	5+N	5+M	K703	-19.02	-20.17	-5.81	2.28	2.41	0.69
	5+M	5+L	K704	-20.56	-19.99	-5.79	2.46	2.39	0.69
	5+L	5+K	K703	-20.73	-19.02	-5.89	2.48	2.28	0.70
6	5+N	5+M	K603	-21.20	-22.80	-6.52	2.57	2.77	0.79
	5+M	5+L	K604	-23.53	-22.75	-6.61	2.86	2.76	0.80
	5+L	5+K	K603	-23.60	-21.21	-6.64	2.87	2.57	0.81
5	5+N	5+M	K503	-24.21	-25.76	-7.40	2.95	3.14	0.90
	5+M	5+L	K504	-23.46	-22.72	-6.60	2.85	2.77	0.80
	5+L	5+K	K503	-26.42	-24.16	-7.49	3.22	2.96	0.92
4	5+N	5+M	K403	-23.83	-27.42	-7.59	3.25	3.69	1.03
	5+M	5+L	K404	-29.99	-28.35	-8.33	4.01	3.79	1.11
	5+L	5+K	K403	-29.40	-24.07	-7.92	3.93	3.19	1.05
3	5+N	5+M	K303	-47.03	-41.20	-13.12	5.43	4.86	1.53
	5+M	5+L	K304	-33.61	-35.87	-9.93	4.03	4.32	1.19
	5+L	5+K	K303	-37.34	-45.72	-12.35	4.49	5.74	1.52
2	5+N	5+M	K203	-71.59	-56.51	-19.05	15.53	12.42	4.16
	5+M	5+L	K204	-37.13	-38.74	-10.84	8.34	3.08	1.53
1	5+N	5+M	K103	-40.65	-34.73	-11.21	10.73	8.58	2.87
	5+M	5+L	K104	-27.99	-27.56	-7.94	6.27	6.26	1.79
	5+L	5+K	K103	-11.31	-9.36	-3.07	2.57	2.29	0.72

6 AKSI KIRIS MOMENTLERI

KAT	I	J	ADI	MIX	MJX	TX	MIY	MJY	TY
NO									
13	6+N	6+M	K1305	-2.43	-2.93	-0.79	0.11	0.13	0.04
	6+M	6+L	K1306	-2.84	-3.01	-0.84	0.13	0.14	0.04
	6+L	6+K	K1305	-2.77	-2.43	-0.77	0.13	0.11	0.03

12	6+N	6+M	K1205	-5.50	-6.18	-1.72	0.24	0.27	0.08
	6+M	6+L	K1206	-5.98	-6.20	-1.74	0.26	0.27	0.08
	6+L	6+K	K1205	-5.95	-5.50	-1.69	0.26	0.24	0.07
11	6+N	6+M	K1105	-8.35	-9.44	-2.63	0.36	0.40	0.11
	6+M	6+L	K1106	-9.14	-9.50	-2.66	0.39	0.41	0.11
	6+L	6+K	K1105	-9.08	-8.35	-2.57	0.39	0.36	0.11
10	6+N	6+M	K1005	-10.82	-12.26	-3.41	0.45	0.51	0.14
	6+M	6+L	K1006	-11.86	-12.34	-3.46	0.50	0.52	0.14
	6+L	6+K	K1005	-11.78	-10.82	-3.34	0.49	0.45	0.14
9	6+N	6+M	K905	-13.75	-15.28	-4.30	0.58	0.64	0.18
	6+M	6+L	K906	-14.74	-15.24	-4.28	0.62	0.64	0.18
	6+L	6+K	K905	-14.78	-13.75	-4.23	0.62	0.58	0.18
8	6+N	6+M	K805	-16.15	-17.68	-5.01	0.68	0.75	0.21
	6+M	6+L	K806	-17.05	-17.55	-4.94	0.72	0.74	0.21
	6+L	6+K	K805	-17.18	-16.15	-4.94	0.73	0.68	0.21
7	6+N	6+M	K705	-18.13	-19.79	-5.62	0.76	0.83	0.24
	6+M	6+L	K706	-19.09	-19.63	-5.53	0.80	0.82	0.23
	6+L	6+K	K705	-19.25	-18.14	-5.54	0.81	0.76	0.23
6	6+N	6+M	K605	-20.24	-22.54	-6.34	0.86	0.96	0.27
	6+M	6+L	K606	-21.74	-22.50	-6.32	0.93	0.96	0.27
	6+L	6+K	K605	-21.78	-20.22	-6.22	0.93	0.86	0.26
5	6+N	6+M	K505	-22.85	-24.96	-7.08	0.97	1.06	0.30
	6+M	6+L	K506	-24.07	-24.75	-6.97	1.03	1.05	0.30
	6+L	6+K	K505	-24.31	-22.96	-7.00	1.04	0.99	0.30
4	6+N	6+M	K405	-23.56	-28.36	-7.69	1.17	1.37	0.38
	6+M	6+L	K406	-27.35	-28.98	-8.05	1.32	1.39	0.39
	6+L	6+K	K405	-26.51	-22.93	-7.32	1.26	1.08	0.35
3	6+N	6+M	K305	-40.26	-34.04	-11.05	1.47	1.34	0.42
	6+M	6+L	K306	-32.71	-30.51	-9.83	1.29	1.23	0.36
	6+L	6+K	K305	-37.63	-43.63	-12.08	1.62	1.97	0.53
1	6+N	6+M	K105	-34.47	-28.37	-9.35	3.53	2.55	0.90
	6+M	6+L	K106	-27.26	-25.89	-7.59	2.45	2.19	0.66
	6+L	6+K	K105	-9.80	-8.78	-2.76	0.87	0.82	0.25

7 AKSI KIRIS MOMENTLERI

KAT NO	I	J	ADI	MIX	MJX	TX	MIY	MJY	TY
13	7+N	7+M	K1317	-2.43	-2.93	-0.79	0.11	0.13	0.04
	7+M	7+L	K1306	-2.84	-3.01	-0.84	0.13	0.14	0.04
	7+L	7+K	K1305	-2.77	-2.43	-0.77	0.13	0.11	0.03
12	7+N	7+M	K1217	-5.50	-6.18	-1.72	0.24	0.27	0.08
	7+M	7+L	K1206	-5.98	-6.20	-1.74	0.26	0.27	0.08
	7+L	7+K	K1205	-5.95	-5.50	-1.69	0.26	0.24	0.07
11	7+N	7+M	K1117	-8.35	-9.44	-2.63	0.36	0.40	0.11
	7+M	7+L	K1106	-9.14	-9.50	-2.66	0.39	0.41	0.11
	7+L	7+K	K1105	-9.08	-8.35	-2.57	0.39	0.36	0.11
10	7+N	7+M	K1017	-10.82	-12.26	-3.41	0.45	0.51	0.14
	7+M	7+L	K1006	-11.86	-12.34	-3.46	0.50	0.52	0.14
	7+L	7+K	K1005	-11.78	-10.82	-3.34	0.49	0.45	0.14

9	7+N	7+M	K917	-13.75	-15.28	-4.30	0.58	0.64	0.18
	7+M	7+L	K906	-14.74	-15.24	-4.28	0.62	0.64	0.18
	7+L	7+K	K905	-14.78	-13.75	-4.23	0.62	0.58	0.18
8	7+N	7+M	K817	-16.15	-17.68	-5.01	0.68	0.75	0.21
	7+M	7+L	K806	-17.05	-17.55	-4.94	0.72	0.74	0.21
	7+L	7+K	K805	-17.18	-16.15	-4.94	0.73	0.68	0.21
7	7+N	7+M	K717	-18.13	-19.79	-5.62	0.75	0.82	0.23
	7+M	7+L	K706	-19.09	-19.63	-5.53	0.79	0.82	0.23
	7+L	7+K	K705	-19.25	-18.14	-5.54	0.80	0.75	0.23
6	7+N	7+M	K617	-20.23	-22.54	-6.34	0.83	0.93	0.26
	7+M	7+L	K606	-21.73	-22.49	-6.32	0.89	0.92	0.26
	7+L	7+K	K605	-21.77	-20.21	-6.22	0.90	0.83	0.26
5	7+N	7+M	K517	-22.83	-24.94	-7.08	0.91	1.00	0.28
	7+M	7+L	K506	-24.05	-24.73	-6.97	0.97	1.00	0.28
	7+L	7+K	K505	-24.29	-22.95	-7.00	0.97	0.91	0.28
4	7+N	7+M	K417	-23.51	-28.30	-7.68	0.86	1.01	0.28
	7+M	7+L	K406	-27.29	-28.91	-8.03	0.98	1.03	0.29
	7+L	7+K	K405	-26.45	-22.89	-7.31	0.98	0.89	0.28
3	7+N	7+M	K317	-40.19	-33.94	-11.02	1.17	1.02	0.33
	7+M	7+L	K306	-32.61	-30.43	-9.01	0.98	0.93	0.27
	7+L	7+K	K305	-37.53	-43.47	-12.04	0.98	0.99	0.29
1	7+N	7+M	K117	-33.89	-27.96	-9.20	-0.63	-0.21	-0.12
	7+M	7+L	K106	-25.86	-25.56	-7.49	-0.20	-0.07	-0.04
	7+L	7+K	K105	-9.67	-8.66	-2.73	-0.05	-0.06	-0.02

8 AKSI KIRIS MOMENTLERI

KAT NO	I	J	ADI	MIX	MX	TX	MIY	MJY	TY
13	8+N	8+M	K1318	-2.56	-2.95	-0.81	0.33	0.38	0.11
	8+M	8+L	K1304	-2.88	-2.70	-0.80	0.37	0.35	0.10
	8+L	8+K	K1303	-3.13	-2.56	-0.84	0.41	0.33	0.11
12	8+N	8+M	K1218	-5.79	-6.30	-1.78	0.73	0.79	0.22
	8+M	8+L	K1204	-5.87	-5.64	-1.64	0.74	0.71	0.21
	8+L	8+K	K1203	-6.53	-5.79	-1.82	0.82	0.73	0.23
11	8+N	8+M	K1118	-8.79	-9.64	-2.72	1.08	1.18	0.33
	8+M	8+L	K1104	-9.04	-8.65	-2.53	1.11	1.06	0.31
	8+L	8+K	K1103	-10.02	-8.79	-2.78	1.23	1.08	0.34
10	8+N	8+M	K1018	-11.34	-12.34	-3.49	1.36	1.48	0.42
	8+M	8+L	K1004	-12.91	-12.41	-3.62	1.55	1.49	0.43
	8+L	8+K	K1003	-12.83	-11.34	-3.57	1.54	1.36	0.43
9	8+N	8+M	K918	-14.41	-15.46	-4.43	1.73	1.86	0.53
	8+M	8+L	K904	-15.93	-15.41	-4.48	1.92	1.86	0.54
	8+L	8+K	K903	-15.98	-14.41	-4.50	1.92	1.73	0.54
8	8+N	8+M	K818	-17.01	-18.18	-5.21	2.05	2.19	0.63
	8+M	8+L	K804	-16.65	-16.10	-4.68	2.01	1.94	0.56
	8+L	8+K	K803	-18.73	-17.01	-5.29	2.26	2.05	0.64
7	8+N	8+M	K718	-19.02	-20.17	-5.81	2.26	2.39	0.69
	8+M	8+L	K704	-20.55	-19.99	-5.79	2.44	2.37	0.69

	8+L	8+K	K703	-20.73	-19.02	-5.89	2.46	2.26	0.70
6	8+N	8+M	K618	-21.18	-22.78	-6.51	2.50	2.68	0.77
	8+M	8+L	K604	-23.52	-22.74	-6.61	2.76	2.67	0.78
	8+L	8+K	K603	-23.58	-21.19	-6.63	2.77	2.50	0.78
5	8+N	8+M	K518	-24.16	-25.72	-7.39	2.73	2.93	0.84
	8+M	8+L	K504	-23.43	-22.68	-6.59	2.69	2.60	0.75
	8+L	8+K	K503	-26.38	-24.12	-7.48	3.02	2.71	0.85
4	8+N	8+M	K418	-23.71	-27.27	-7.55	2.59	2.89	0.81
	8+M	8+L	K404	-29.83	-28.20	-8.29	3.07	2.93	0.86
	8+L	8+K	K403	-29.25	-23.96	-7.88	3.04	2.67	0.85
3	8+N	8+M	K318	-46.70	-40.92	-13.03	3.29	3.02	0.94
	8+M	8+L	K304	-33.38	-35.59	-9.85	2.67	2.71	0.77
	8+L	8+K	K303	-37.05	-45.30	-12.25	2.82	2.85	0.84
2	8+N	8+M	K218	-69.48	-54.80	-18.48	-2.41	-2.15	-0.68
	8+M	8+L	K204	-36.02	-38.14	-10.60	-1.67	2.74	0.15
1	8+N	8+M	K118	-39.07	-33.51	-10.79	-2.41	-1.42	-0.57
	8+M	8+L	K104	-27.13	-26.68	-7.69	-0.44	-0.49	-0.13
	8+L	8+K	K103	-10.95	-9.03	-2.97	-0.20	-0.28	-0.07

9 AKSI KIRIS MOMENTLERI

KAT	I	J	ADI	MIX	MIJX	TX	MIY	MIJY	TY
NO									
13	9+N	9+M	K1307	-1.49	-1.81	-0.49	0.31	0.37	0.10
	9+L	9+K	K1308	-1.81	-1.49	-0.49	0.37	0.31	0.10
12	9+N	9+M	K1207	-3.16	-3.45	-0.98	0.63	0.69	0.20
	9+L	9+K	K1208	-3.45	-3.16	-0.98	0.69	0.63	0.20
11	9+N	9+M	K1107	-4.83	-5.38	-1.51	0.94	1.05	0.29
	9+L	9+K	K1108	-5.38	-4.83	-1.51	1.05	0.94	0.29
10	9+N	9+M	K1007	-6.17	-6.72	-1.90	1.18	1.29	0.36
	9+M	9+L	K1008	-2.77	-2.77	-0.79	0.53	0.53	0.15
	9+L	9+K	K1007	-6.72	-6.17	-1.90	1.29	1.18	0.36
9	9+N	9+M	K907	-7.61	-8.13	-2.33	1.46	1.56	0.45
	9+M	9+L	K908	-3.23	-3.23	-0.94	0.63	0.63	0.18
	9+L	9+K	K907	-8.13	-7.61	-2.33	1.56	1.46	0.45
8	9+N	9+M	K807	-8.88	-9.57	-2.73	1.71	1.84	0.53
	9+L	9+K	K807A	-9.57	-8.88	-2.73	1.84	1.71	0.53
7	9+N	9+M	K707	-9.90	-10.48	-3.02	1.87	1.98	0.57
	9+M	9+L	K708	-4.19	-4.19	-1.20	0.79	0.79	0.23
	9+L	9+K	K707	-10.48	-9.90	-3.02	1.98	1.87	0.57
6	9+N	9+M	K607	-10.84	-11.55	-3.32	2.03	2.16	0.62
	9+M	9+L	K608	-4.65	-4.65	-1.33	0.87	0.87	0.25
	9+L	9+K	K607	-11.55	-10.84	-3.32	2.16	2.02	0.62
5	9+N	9+M	K507	-11.87	-12.90	-3.67	2.16	2.35	0.67
	9+L	9+K	K507A	-12.83	-11.75	-3.64	2.36	2.18	0.67
4	9+N	9+M	K407	-13.39	-14.30	-4.10	2.21	2.35	0.68
	9+M	9+L	K408	-5.77	-5.77	-1.65	0.94	0.94	0.27
	9+L	9+K	K407	-14.63	-14.01	-4.24	2.31	2.13	0.66

3	9+N	9+N	K307	-15.20	-16.46	-4.71	1.83	2.07	0.58
	9+N	9+L	K308	-6.66	-6.62	-1.90	0.87	0.88	0.25
	9+L	9+K	K307	-14.76	-12.09	-3.99	2.30	2.27	0.68
2	9+N	9+N	K207	-16.84	-18.86	-5.31	-1.21	-1.44	-0.39
	9+N	9+L	K208	-8.13	-8.37	-2.36	-0.65	-0.67	-0.19
1	9+N	9+N	K107	-11.96	-12.67	-3.66	-0.41	-0.41	-0.12
	9+N	9+L	K108	-12.88	-12.90	-3.68	-0.38	-0.37	-0.11
	9+L	9+K	K107	-6.72	-8.14	-2.21	-0.42	-0.69	-0.16

N AKSI KIRIS MOMENTLERI

KAT	I	J	ADI	MIX	MJX	TX	MIY	MJY	TY
NO									
13	9+N	8+N	K1309	0.10	0.11	0.03	-1.43	-1.59	-0.45
	8+N	7+N	K1310	0.12	0.12	0.03	-1.69	-1.68	-0.48
	7+N	6+N	K1311	0.12	0.12	0.03	-1.67	-1.67	-0.48
	6+N	5+N	K1310	0.12	0.12	0.03	-1.68	-1.69	-0.48
	5+N	4+N	K1309	0.11	0.10	0.03	-1.59	-1.43	-0.45
12	9+N	8+N	K1209	0.21	0.22	0.06	-3.07	-3.25	-0.93
	8+N	7+N	K1210	0.22	0.22	0.06	-3.32	-3.32	-0.95
	7+N	6+N	K1211	0.22	0.22	0.06	-3.32	-3.32	-0.95
	6+N	5+N	K1210	0.22	0.22	0.06	-3.32	-3.32	-0.95
	5+N	4+N	K1209	0.22	0.21	0.06	-3.25	-3.07	-0.93
11	9+N	8+N	K1109	0.31	0.33	0.09	-4.65	-4.95	-1.42
	8+N	7+N	K1110	0.34	0.34	0.10	-5.08	-5.08	-1.45
	7+N	6+N	K1111	0.34	0.34	0.10	-5.07	-5.07	-1.45
	6+N	5+N	K1110	0.34	0.34	0.10	-5.08	-5.08	-1.45
	5+N	4+N	K1109	0.33	0.31	0.09	-4.95	-4.65	-1.42
10	9+N	8+N	K1009	0.40	0.43	0.12	-6.03	-6.43	-1.84
	8+N	7+N	K1010	0.44	0.44	0.12	-6.60	-6.60	-1.89
	7+N	6+N	K1011	0.44	0.44	0.12	-6.59	-6.59	-1.88
	6+N	5+N	K1010	0.44	0.44	0.12	-6.60	-6.60	-1.89
	5+N	4+N	K1009	0.43	0.40	0.12	-6.43	-6.03	-1.84
9	9+N	8+N	K909	0.50	0.53	0.15	-7.43	-7.84	-2.26
	8+N	7+N	K910	0.54	0.54	0.15	-7.96	-7.96	-2.27
	7+N	6+N	K911	0.54	0.54	0.15	-7.95	-7.95	-2.27
	6+N	5+N	K910	0.54	0.54	0.15	-7.96	-7.96	-2.27
	5+N	4+N	K909	0.53	0.50	0.15	-7.84	-7.43	-2.26
8	9+N	8+N	K809	0.58	0.61	0.18	-8.52	-8.92	-2.58
	8+N	7+N	K810	0.62	0.62	0.18	-8.98	-8.98	-2.57
	7+N	6+N	K811	0.62	0.62	0.18	-8.98	-8.98	-2.57
	6+N	5+N	K810	0.62	0.62	0.18	-8.98	-8.98	-2.57
	5+N	4+N	K809	0.61	0.58	0.18	-8.92	-8.52	-2.58
7	9+N	8+N	K709	0.65	0.68	0.20	-9.58	-10.03	-2.91
	8+N	7+N	K710	0.69	0.69	0.20	-10.11	-10.11	-2.89
	7+N	6+N	K711	0.69	0.69	0.20	-10.10	-10.10	-2.89
	6+N	5+N	K710	0.69	0.69	0.20	-10.11	-10.11	-2.89
	5+N	4+N	K709	0.68	0.65	0.20	-10.03	-9.58	-2.91
6	9+N	8+N	K609	0.72	0.76	0.22	-10.43	-10.98	-3.17
	8+N	7+N	K610	0.77	0.77	0.22	-11.12	-11.12	-3.18
	7+N	6+N	K611	0.77	0.77	0.22	-11.12	-11.12	-3.18
	6+N	5+N	K610	0.77	0.77	0.22	-11.12	-11.12	-3.18
	5+N	4+N	K609	0.76	0.72	0.22	-10.98	-10.43	-3.17

5	9+N	8+N	K509	0.77	0.84	0.24	-11.16	-12.03	-3.44
	8+N	7+N	K510	0.86	0.86	0.25	-12.42	-12.40	-3.55
	7+N	6+N	K511	0.86	0.86	0.25	-12.38	-12.38	-3.54
	6+N	5+N	K510	0.86	0.86	0.25	-12.40	-12.42	-3.55
	5+N	4+N	K509	0.84	0.77	0.24	-12.03	-11.16	-3.44
4	9+N	8+N	K409	0.83	0.83	0.25	-12.44	-12.52	-3.70
	8+N	7+N	K410	0.81	0.81	0.23	-12.21	-12.26	-3.49
	7+N	6+N	K411	0.82	0.82	0.23	-12.31	-12.31	-3.52
	6+N	5+N	K410	0.81	0.81	0.23	-12.26	-12.21	-3.49
	5+N	4+N	K409	0.83	0.83	0.25	-12.52	-12.44	-3.70
3	9+N	8+N	K309	0.91	1.15	0.31	-14.35	-18.02	-4.81
	8+N	7+N	K310	1.32	1.32	0.38	-20.68	-20.51	-5.88
	7+N	6+N	K311	1.31	1.31	0.37	-20.35	-20.35	-5.81
	6+N	5+N	K310	1.32	1.32	0.38	-20.51	-20.68	-5.88
	5+N	4+N	K309	1.15	0.91	0.31	-18.02	-14.35	-4.81
2	9+N	8+N	K209	0.71	1.08	0.27	-14.18	-21.39	-5.29
	8+N	7+N	K210	1.41	1.43	0.41	-27.86	-28.24	-8.01
	6+N	5+N	K210	1.43	1.41	0.41	-28.24	-27.86	-8.01
	5+N	4+N	K209	1.08	0.71	0.27	-21.39	-14.18	-5.29
1	9+N	8+N	K109	0.54	0.64	0.17	-10.55	-13.25	-3.54
	8+N	7+N	K110	0.71	0.71	0.20	-15.34	-15.37	-4.39
	7+N	6+N	K111	0.28	0.28	0.08	-6.05	-6.05	-1.73
	6+N	5+N	K110	0.71	0.71	0.20	-15.37	-15.34	-4.39
	5+N	4+N	K109	0.64	0.54	0.17	-13.25	-10.55	-3.54

M AKSI KIRIS MOMENTLERI

KAT NO	I	J	ADI	MIX	MJX	TX	MJY	MJY	TY
13	9+N	8+N	K1312	0.06	0.06	0.02	-2.31	-2.59	-0.72
	8+N	7+N	K1313	0.06	0.06	0.02	-3.07	-3.01	-0.87
	7+N	6+N	K1314	0.06	0.06	0.02	-3.01	-3.01	-0.86
	6+N	5+N	K1313	0.06	0.06	0.02	-3.01	-3.07	-0.87
	5+N	4+N	K1312	0.06	0.06	0.02	-2.59	-2.31	-0.72
12	9+N	8+N	K1212	0.13	0.13	0.04	-5.12	-5.48	-1.56
	8+N	7+N	K1213	0.15	0.15	0.04	-6.30	-6.25	-1.79
	7+N	6+N	K1214	0.15	0.15	0.04	-6.25	-6.25	-1.79
	6+N	5+N	K1213	0.15	0.15	0.04	-6.25	-6.30	-1.79
	5+N	4+N	K1212	0.13	0.13	0.04	-5.48	-5.12	-1.56
11	9+N	8+N	K1112	0.19	0.20	0.06	-7.84	-8.39	-2.40
	8+N	7+N	K1113	0.23	0.23	0.07	-9.64	-9.54	-2.74
	7+N	6+N	K1114	0.23	0.23	0.07	-9.54	-9.54	-2.72
	6+N	5+N	K1113	0.23	0.23	0.07	-9.54	-9.64	-2.74
	5+N	4+N	K1112	0.20	0.19	0.06	-8.39	-7.84	-2.40
10	9+N	8+N	K1012	0.26	0.28	0.08	-10.85	-11.83	-3.35
	8+N	7+N	K1013	0.30	0.29	0.08	-12.37	-12.34	-3.53
	7+N	6+N	K1014	0.29	0.29	0.08	-12.34	-12.34	-3.53
	6+N	5+N	K1013	0.29	0.30	0.08	-12.34	-12.37	-3.53
	5+N	4+N	K1012	0.28	0.26	0.08	-11.83	-10.85	-3.35
9	9+N	8+N	K912	0.33	0.36	0.10	-13.64	-14.70	-4.20
	8+N	7+N	K913	0.37	0.37	0.11	-15.20	-15.20	-4.34
	7+N	6+N	K914	0.37	0.37	0.11	-15.20	-15.20	-4.34
	6+N	5+N	K913	0.37	0.37	0.11	-15.20	-15.20	-4.34
	5+N	4+N	K912	0.36	0.33	0.10	-14.70	-13.64	-4.20

8	9+M	8+M	K812	0.37	0.39	0.11	-14.86	-15.59	-4.51
	8+M	7+M	K813	0.44	0.43	0.12	-17.57	-17.45	-5.00
	7+M	6+M	K814	0.43	0.43	0.12	-17.45	-17.45	-4.98
	6+M	5+M	K813	0.43	0.44	0.12	-17.45	-17.57	-5.00
	5+M	4+M	K812	0.39	0.37	0.11	-15.59	-14.86	-4.51
7	9+M	8+M	K712	0.44	0.47	0.13	-17.87	-19.01	-5.46
	8+M	7+M	K713	0.48	0.48	0.14	-19.43	-19.43	-5.55
	7+M	6+M	K714	0.48	0.48	0.14	-19.43	-19.43	-5.55
	6+M	5+M	K713	0.48	0.48	0.14	-19.43	-19.43	-5.55
	5+M	4+M	K712	0.47	0.44	0.13	-19.01	-17.87	-5.46
6	9+M	8+M	K612	0.49	0.53	0.15	-19.87	-21.38	-6.11
	8+M	7+M	K613	0.55	0.55	0.16	-22.07	-22.08	-6.31
	7+M	6+M	K614	0.55	0.55	0.16	-22.08	-22.08	-6.31
	6+M	5+M	K613	0.55	0.55	0.16	-22.08	-22.07	-6.31
	5+M	4+M	K612	0.53	0.49	0.15	-21.38	-19.87	-6.11
5	9+M	8+M	K512	0.50	0.53	0.15	-19.95	-21.14	-6.09
	8+M	7+M	K513	0.60	0.60	0.17	-24.06	-23.92	-6.86
	7+M	6+M	K514	0.60	0.60	0.17	-23.92	-23.92	-6.84
	6+M	5+M	K513	0.60	0.60	0.17	-23.92	-24.06	-6.86
	5+M	4+M	K512	0.53	0.50	0.15	-21.14	-19.95	-6.09
4	9+M	8+M	K412	0.57	0.62	0.18	-24.91	-26.87	-7.67
	8+M	7+M	K413	0.64	0.64	0.18	-27.85	-27.92	-7.97
	7+M	6+M	K414	0.64	0.64	0.18	-27.92	-27.92	-7.98
	6+M	5+M	K413	0.64	0.64	0.18	-27.92	-27.85	-7.97
	5+M	4+M	K412	0.62	0.57	0.18	-26.87	-24.91	-7.67
3	9+M	8+M	K312	0.50	0.55	0.16	-24.25	-26.31	-7.52
	8+M	7+M	K313	0.57	0.57	0.16	-27.02	-26.66	-7.67
	7+M	6+M	K314	0.57	0.57	0.16	-26.66	-26.66	-7.62
	6+M	5+M	K313	0.57	0.57	0.16	-26.66	-27.02	-7.67
	5+M	4+M	K312	0.55	0.50	0.16	-26.31	-24.25	-7.52
2	9+M	8+M	K212	0.19	0.21	0.06	-22.12	-24.65	-6.96
	8+M	7+M	K213	0.20	7.03	1.03	-24.21	-25.04	-7.04
	6+M	5+M	K213	-0.50	0.20	-1.19	-24.39	-24.21	-6.94
	5+M	4+M	K212	0.21	0.19	0.06	-24.65	-22.12	-6.96
1	9+M	8+M	K112	0.25	0.28	0.08	-18.90	-20.44	-5.85
	8+M	7+M	K113	0.29	0.28	0.08	-20.95	-20.69	-5.95
	7+M	6+M	K114	0.28	0.28	0.08	-20.69	-20.69	-5.91
	6+M	5+M	K113	0.28	0.29	0.08	-20.69	-20.95	-5.95
	5+M	4+M	K112	0.28	0.25	0.08	-20.44	-18.90	-5.85

L AKSI KIRIS MOMENTLERI

KAT	I	J	ADI	MIX	MJX	TX	MIY	MJY	TY
NO									
13	9+L	8+L	K1316	0.06	0.07	0.02	-2.31	-2.71	-0.74
	8+L	7+L	K1313	0.07	0.08	0.02	-2.95	-3.03	-0.85
	7+L	6+L	K1314	0.07	0.07	0.02	-2.99	-2.99	-0.85
	6+L	5+L	K1313	0.08	0.07	0.02	-3.03	-2.95	-0.85
	5+L	4+L	K1312	0.07	0.06	0.02	-2.71	-2.31	-0.74
12	9+L	8+L	K1216	0.13	0.14	0.04	-5.12	-5.65	-1.59
	8+L	7+L	K1213	0.15	0.15	0.04	-6.13	-6.27	-1.77
	7+L	6+L	K1214	0.15	0.15	0.04	-6.24	-6.24	-1.78
	6+L	5+L	K1213	0.15	0.15	0.04	-6.27	-6.13	-1.77
	5+L	4+L	K1212	0.14	0.13	0.04	-5.65	-5.12	-1.59

11	9+L	8+L	K1116	0.19	0.21	0.06	-7.84	-8.65	-2.43
	8+L	7+L	K1113	0.23	0.23	0.07	-9.39	-9.57	-2.71
	7+L	6+L	K1114	0.23	0.23	0.07	-9.50	-9.50	-2.71
	6+L	5+L	K1113	0.23	0.23	0.07	-9.57	-9.39	-2.71
	5+L	4+L	K1112	0.21	0.19	0.06	-8.65	-7.84	-2.43
10	9+L	8+L	K1016	0.26	0.29	0.08	-10.85	-12.30	-3.42
	8+L	7+L	K1013	0.28	0.29	0.08	-11.90	-12.35	-3.47
	7+L	6+L	K1014	0.29	0.29	0.08	-12.33	-12.33	-3.52
	6+L	5+L	K1013	0.29	0.28	0.08	-12.35	-11.90	-3.47
	5+L	4+L	K1012	0.29	0.26	0.08	-12.30	-10.85	-3.42
9	9+L	8+L	K916	0.33	0.37	0.10	-13.64	-15.22	-4.28
	8+L	7+L	K913	0.36	0.37	0.10	-14.68	-15.20	-4.27
	7+L	6+L	K914	0.37	0.37	0.11	-15.20	-15.20	-4.34
	6+L	5+L	K913	0.37	0.36	0.10	-15.20	-14.68	-4.27
	5+L	4+L	K912	0.37	0.33	0.10	-15.22	-13.64	-4.28
8	9+L	8+L	K816	0.37	0.40	0.11	-14.86	-15.94	-4.56
	8+L	7+L	K813	0.43	0.43	0.12	-17.23	-17.49	-4.96
	7+L	6+L	K814	0.43	0.43	0.12	-17.41	-17.41	-4.97
	6+L	5+L	K813	0.43	0.43	0.12	-17.49	-17.23	-4.96
	5+L	4+L	K812	0.40	0.37	0.11	-15.94	-14.86	-4.56
7	9+L	8+L	K716	0.44	0.48	0.14	-17.88	-19.58	-5.55
	8+L	7+L	K713	0.47	0.48	0.14	-18.88	-19.44	-5.47
	7+L	6+L	K714	0.48	0.48	0.14	-19.44	-19.44	-5.55
	6+L	5+L	K713	0.48	0.47	0.14	-19.44	-18.88	-5.47
	5+L	4+L	K712	0.48	0.44	0.14	-19.58	-17.88	-5.55
6	9+L	8+L	K616	0.50	0.56	0.16	-19.91	-22.18	-6.24
	8+L	7+L	K613	0.54	0.56	0.16	-21.39	-22.14	-6.22
	7+L	6+L	K614	0.56	0.56	0.16	-22.14	-22.14	-6.33
	6+L	5+L	K613	0.56	0.54	0.16	-22.14	-21.39	-6.22
	5+L	4+L	K612	0.56	0.50	0.16	-22.18	-19.91	-6.24
5	9+L	8+L	K516	0.53	0.57	0.16	-20.04	-21.78	-6.20
	8+L	7+L	K513	0.62	0.63	0.18	-23.56	-24.03	-6.80
	7+L	6+L	K514	0.62	0.62	0.18	-23.93	-23.93	-6.84
	6+L	5+L	K513	0.63	0.62	0.18	-24.03	-23.56	-6.80
	5+L	4+L	K512	0.57	0.53	0.16	-21.78	-20.04	-6.20
4	9+L	8+L	K416	0.71	0.80	0.22	-25.35	-28.46	-7.97
	8+L	7+L	K413	0.77	0.81	0.23	-27.44	-28.55	-8.00
	7+L	6+L	K414	0.81	0.81	0.23	-28.61	-28.61	-8.18
	6+L	5+L	K413	0.81	0.77	0.23	-28.55	-27.44	-8.00
	5+L	4+L	K412	0.80	0.71	0.22	-28.46	-25.35	-7.97
3	9+L	8+L	K316	0.75	0.79	0.23	-24.84	-27.40	-7.77
	8+L	7+L	K313	0.76	0.75	0.22	-26.32	-26.74	-7.58
	7+L	6+L	K314	0.74	0.74	0.21	-26.43	-26.43	-7.55
	6+L	5+L	K313	0.75	0.76	0.22	-26.75	-26.34	-7.59
	5+L	4+L	K312	0.79	0.75	0.23	-27.42	-24.84	-7.77
2	9+L	8+L	K216	1.34	7.65	1.34	-25.29	-29.01	-8.07
	5+L	4+L	K212A	-6.37	1.34	-0.75	-27.52	-25.25	-7.85
1	9+L	8+L	K116	1.08	1.18	0.34	-21.71	-23.99	-6.80
	8+L	7+L	K113	1.14	1.15	0.33	-23.05	-23.48	-6.65
	7+L	6+L	K114	1.14	1.14	0.33	-23.25	-23.25	-6.64
	6+L	5+L	K113	1.15	1.14	0.33	-23.49	-23.06	-6.65
	5+L	4+L	K112	1.18	1.08	0.34	-24.01	-21.72	-6.80

K AKSI KIRIS MOMENTLERI

KAT	I	J	ADI	MIX	MJX	TX	MIY	MJY	TY
NO									
13	9+K	8+K	K1320	0.10	0.11	0.03	-1.43	-1.59	-0.45
	8+K	7+K	K1310	0.12	0.12	0.03	-1.69	-1.68	-0.48
	7+K	6+K	K1311	0.12	0.12	0.03	-1.67	-1.67	-0.48
	6+K	5+K	K1310	0.12	0.12	0.03	-1.68	-1.69	-0.48
	5+K	4+K	K1309	0.11	0.10	0.03	-1.59	-1.43	-0.45
12	9+K	8+K	K1220	0.21	0.22	0.06	-3.07	-3.25	-0.93
	8+K	7+K	K1210	0.22	0.22	0.06	-3.32	-3.32	-0.95
	7+K	6+K	K1211	0.22	0.22	0.06	-3.32	-3.32	-0.95
	6+K	5+K	K1210	0.22	0.22	0.06	-3.32	-3.32	-0.95
	5+K	4+K	K1209	0.22	0.21	0.06	-3.25	-3.07	-0.93
11	9+K	8+K	K1120	0.31	0.33	0.09	-4.65	-4.95	-1.42
	8+K	7+K	K1110	0.34	0.34	0.10	-5.08	-5.08	-1.45
	7+K	6+K	K1111	0.34	0.34	0.10	-5.07	-5.07	-1.45
	6+K	5+K	K1110	0.34	0.34	0.10	-5.08	-5.08	-1.45
	5+K	4+K	K1109	0.33	0.31	0.09	-4.95	-4.65	-1.42
10	9+K	8+K	K1020	0.40	0.43	0.12	-6.03	-6.43	-1.84
	8+K	7+K	K1010	0.44	0.44	0.12	-6.60	-6.60	-1.89
	7+K	6+K	K1011	0.44	0.44	0.12	-6.59	-6.59	-1.88
	6+K	5+K	K1010	0.44	0.44	0.12	-6.60	-6.60	-1.89
	5+K	4+K	K1009	0.43	0.40	0.12	-6.43	-6.03	-1.84
9	9+K	8+K	K920	0.50	0.53	0.15	-7.43	-7.84	-2.26
	8+K	7+K	K910	0.54	0.54	0.15	-7.96	-7.96	-2.27
	7+K	6+K	K911	0.54	0.54	0.15	-7.96	-7.96	-2.27
	6+K	5+K	K910	0.54	0.54	0.15	-7.96	-7.96	-2.27
	5+K	4+K	K909	0.53	0.50	0.15	-7.84	-7.43	-2.26
8	9+K	8+K	K820	0.58	0.61	0.18	-8.52	-8.92	-2.58
	8+K	7+K	K810	0.62	0.62	0.18	-8.98	-8.98	-2.57
	7+K	6+K	K811	0.62	0.62	0.18	-8.98	-8.98	-2.57
	6+K	5+K	K810	0.62	0.62	0.18	-8.98	-8.98	-2.57
	5+K	4+K	K809	0.61	0.58	0.18	-8.92	-8.52	-2.58
7	9+K	8+K	K720	0.66	0.69	0.20	-9.58	-10.05	-2.91
	8+K	7+K	K710	0.69	0.69	0.20	-10.13	-10.12	-2.89
	7+K	6+K	K711	0.69	0.69	0.20	-10.12	-10.12	-2.89
	6+K	5+K	K710	0.69	0.69	0.20	-10.12	-10.13	-2.89
	5+K	4+K	K709	0.69	0.66	0.20	-10.05	-9.58	-2.91
6	9+K	8+K	K620	0.73	0.77	0.22	-10.50	-11.02	-3.19
	8+K	7+K	K610	0.77	0.77	0.22	-11.13	-11.14	-3.18
	7+K	6+K	K611	0.77	0.77	0.22	-11.14	-11.14	-3.18
	6+K	5+K	K610	0.77	0.77	0.22	-11.14	-11.13	-3.18
	5+K	4+K	K609	0.77	0.73	0.22	-11.01	-10.48	-3.18
5	9+K	8+K	K520	0.79	0.87	0.25	-11.14	-12.16	-3.45
	8+K	7+K	K510	0.91	0.90	0.26	-12.67	-12.65	-3.62
	7+K	6+K	K511	0.90	0.90	0.26	-12.62	-12.62	-3.61
	6+K	5+K	K510	0.90	0.91	0.26	-12.64	-12.67	-3.62
	5+K	4+K	K509	0.87	0.80	0.25	-12.19	-11.23	-3.47
4	9+K	8+K	K420	0.98	0.93	0.28	-13.46	-12.98	-3.92
	8+K	7+K	K410	0.86	0.86	0.24	-12.10	-12.15	-3.46
	7+K	6+K	K411	0.86	0.86	0.25	-12.20	-12.20	-3.49
	6+K	5+K	K410	0.86	0.86	0.25	-12.16	-12.12	-3.47
	5+K	4+K	K409	0.91	0.94	0.27	-12.78	-13.04	-3.83
3	9+K	8+K	K320	0.85	1.38	0.33	-12.32	-18.71	-4.61

	8+K	7+K	K310	1.82	1.81	0.52	-24.00	-23.89	-6.84
	7+K	6+K	K311	1.80	1.80	0.52	-23.78	-23.78	-6.79
	6+K	5+K	K310	1.81	1.82	0.52	-23.87	-23.96	-6.83
	5+K	4+K	K309	1.48	1.06	0.38	-19.74	-14.45	-5.08
1	9+K	8+K	K120	1.73	1.38	0.46	-18.31	-14.74	-4.92
	8+K	7+K	K110	1.01	1.03	0.29	-10.95	-11.16	-3.16
	7+K	6+K	K111	0.41	0.41	0.12	-4.47	-4.47	-1.28
	6+K	5+K	K110	1.04	1.03	0.29	-11.24	-11.10	-3.19
	5+K	4+K	K109	1.01	0.96	0.29	-11.03	-10.64	-3.22

E1 AKSI KIRIS MOMENTLERI

KAT NO	I	J	ADI	MIX	MJX	TX	MIY	MJY	TY
2	6+M	5+L	K210	12.31	11.65	2.42	-1.04	-10.54	-1.17

E2 AKSI KIRIS MOMENTLERI

KAT NO	I	J	ADI	MIX	MJX	TX	MIY	MJY	TY
2	7+M	8+L	K210A	9.66	8.26	1.91	0.12	6.74	0.69

13. KAT KOLON VE PERDE MOMENTLERI

TYT	NO.		MX(UST)	MX(ALT)	TX	MY(UST)	MY(ALT)	TY	MY(UST)	MY(ALT)	TY	MY(UST)	MY(ALT)
1	4	M	1.49	0.87	0.79	-0.31	-0.18	-0.16	-0.10	-0.06	-0.05	1.43	0.93
0.75													
2	4	M	1.81	-0.45	0.45	0.00	0.00	0.00	-0.06	-0.04	-0.03	2.31	1.50
1.27													
3	4	L	1.81	-0.45	0.45	-0.37	0.06	-0.10	-0.06	-0.04	-0.03	2.31	1.50
1.27													
4	4	K	1.49	0.87	0.79	-0.31	-0.18	-0.16	-0.10	-0.06	-0.05	1.43	0.93
0.75													
8	5	N	2.56	1.74	1.44	-0.33	-0.23	-0.19	0.00	0.00	0.00	3.28	0.93
1.40													
9	5	M	5.84	2.41	2.75	-0.76	-0.34	-0.36	-0.14	-0.06	-0.07	5.66	2.37
2.68													
10	5	L	5.84	2.41	2.75	-0.76	-0.34	-0.36	-0.14	-0.06	-0.07	5.66	2.37
2.68													
11	5	K	2.56	1.74	1.44	-0.33	-0.23	-0.19	-0.23	-0.07	-0.10	3.28	0.93
1.40													
12	6	N	2.43	1.65	1.36	-0.11	-0.08	-0.06	-0.23	-0.07	-0.10	3.35	0.97
1.44													
13	6	M	5.77	2.51	2.76	-0.26	-0.12	-0.13	-0.15	-0.07	-0.07	6.01	2.69
2.90													
14	6	L	5.77	2.51	2.76	-0.26	-0.12	-0.13	-0.15	-0.07	-0.07	6.01	2.69
2.90													
15	6	K	2.43	1.65	1.36	-0.11	-0.08	-0.06	-0.23	-0.07	-0.10	3.35	0.97
1.44													
16	7	N	2.43	1.65	1.36	-0.11	-0.08	-0.06	-0.23	-0.07	-0.10	3.35	0.97
1.44													
17	7	M	5.77	2.51	2.76	-0.26	-0.12	-0.13	-0.15	-0.07	-0.07	6.01	2.69
2.90													
18	7	L	5.77	2.51	2.76	-0.26	-0.12	-0.13	-0.15	-0.07	-0.07	6.01	2.69
2.90													
19	7	K	2.43	1.65	1.36	-0.11	-0.08	-0.06	-0.23	-0.07	-0.10	3.35	0.97

1.44	20	8	N	2.56	1.74	1.44	-0.33	-0.23	-0.19	-0.23	-0.07	-0.10	3.28	0.93
1.40	21	8	M	5.84	2.41	2.75	-0.76	-0.34	-0.36	-0.14	-0.06	-0.07	5.66	2.37
2.68	22	8	L	5.84	2.41	2.75	-0.76	-0.34	-0.36	-0.14	-0.06	-0.07	5.66	2.37
2.68	23	8	K	2.56	1.74	1.44	-0.33	-0.23	-0.19	0.00	0.00	0.00	3.28	0.93
1.40	27	9	N	1.49	0.87	0.79	-0.31	-0.18	-0.16	-0.10	-0.06	-0.05	1.43	0.83
0.75	28	9	M	1.81	-0.45	0.45	0.00	0.00	0.00	-0.06	-0.04	-0.03	2.31	1.50
1.27	29	9	L	1.81	-0.45	0.45	-0.37	0.06	-0.10	-0.06	-0.04	-0.03	2.31	1.50
1.27	30	9	K	1.49	0.87	0.79	-0.31	-0.18	-0.16	-0.10	-0.06	-0.05	1.43	0.83
0.75														

12. KAT KOLON VE PERDE MOMENTLERİ

TYT	NO.		MX(ÜST)	MX(ALT)	TX	MY(ÜST)	MY(ALT)	TY	MX(ÜST)	MY(ALT)	TY	MY(ÜST)	MY(ALT)
1	4	N	2.29	1.77	1.36	-0.45	-0.35	-0.27	-0.15	-0.11	-0.09	2.24	1.70
1.31	2	M	3.90	0.83	1.58	0.00	0.00	0.00	-0.09	-0.07	-0.05	3.62	2.88
2.16	3	L	3.90	0.83	1.58	-0.76	-0.18	-0.31	-0.09	-0.07	-0.05	3.62	2.88
2.16	4	K	2.29	1.77	1.36	-0.45	-0.35	-0.27	-0.15	-0.11	-0.09	2.24	1.70
1.31	8	N	4.05	3.35	2.47	-0.50	-0.42	-0.31	0.00	0.00	0.00	5.64	3.10
2.91	9	M	9.76	6.13	5.30	-1.20	-0.78	-0.66	-0.23	-0.15	-0.12	9.40	5.95
5.12	10	L	9.76	6.13	5.30	-1.20	-0.78	-0.66	-0.23	-0.15	-0.12	9.40	5.95
5.12	11	K	4.05	3.35	2.47	-0.50	-0.42	-0.31	-0.37	-0.21	-0.19	5.64	3.10
2.91	12	N	3.85	3.17	2.34	-0.17	-0.14	-0.10	-0.38	-0.21	-0.20	5.67	3.15
2.94	13	M	9.64	6.27	5.30	-0.41	-0.28	-0.23	-0.24	-0.16	-0.13	9.81	6.48
5.43	14	L	9.64	6.27	5.30	-0.41	-0.28	-0.23	-0.24	-0.16	-0.13	9.81	6.48
5.43	15	K	3.85	3.17	2.34	-0.17	-0.14	-0.10	-0.38	-0.21	-0.20	5.67	3.15
2.94	16	N	3.85	3.17	2.34	-0.17	-0.14	-0.10	-0.38	-0.21	-0.20	5.67	3.15
2.94	17	M	9.64	6.27	5.30	-0.41	-0.28	-0.23	-0.24	-0.16	-0.13	9.81	6.48
5.43	18	L	9.64	6.27	5.30	-0.41	-0.28	-0.23	-0.24	-0.16	-0.13	9.81	6.48
5.43	19	K	3.85	3.17	2.34	-0.17	-0.14	-0.10	-0.38	-0.21	-0.20	5.67	3.15
2.94	20	N	4.05	3.35	2.47	-0.50	-0.42	-0.31	-0.37	-0.21	-0.19	5.64	3.10
2.91	21	M	9.76	6.13	5.30	-1.20	-0.78	-0.66	-0.23	-0.15	-0.12	9.40	5.95
5.12	22	L	9.76	6.13	5.30	-1.20	-0.78	-0.66	-0.23	-0.15	-0.12	9.40	5.95
5.12	23	K	4.05	3.35	2.47	-0.50	-0.42	-0.31	0.00	0.00	0.00	5.64	3.10
2.91	27	N	2.29	1.77	1.36	-0.45	-0.35	-0.27	-0.15	-0.11	-0.09	2.24	1.70
1.31													

28	9	N	3.90	0.83	1.58	0.00	0.00	0.00	-0.09	-0.07	-0.05	3.62	2.88
2.16													
29	9	L	3.90	0.83	1.58	-0.76	-0.18	-0.31	-0.09	-0.07	-0.05	3.62	2.88
2.16													
30	9	K	2.29	1.77	1.36	-0.45	-0.35	-0.27	-0.15	-0.11	-0.09	2.24	1.70
1.31													

11. KAT KOLON VE PERDE MOMENTLERİ

TYT	NO.		MX(X(ÜST)	MX(X(ALT)	TX(X	MX(Y(ÜST)	MX(Y(ALT)	TX(Y	MY(X(ÜST)	MY(X(ALT)	TX(Y	MY(Y(ÜST)	MY(Y(ALT)
1	4	N	3.05	2.56	1.87	-0.59	-0.50	-0.36	-0.20	-0.17	-0.12	2.95	2.48
1.81													
2	4	M	4.55	2.69	2.41	0.00	0.00	0.00	-0.12	-0.11	-0.08	4.96	4.52
3.16													
3	4	L	4.55	2.69	2.41	-0.87	-0.55	-0.47	-0.12	-0.11	-0.08	4.96	4.52
3.16													
4	4	K	3.05	2.56	1.87	-0.59	-0.50	-0.36	-0.20	-0.17	-0.12	2.95	2.48
1.81													
8	5	N	5.44	4.82	3.42	-0.66	-0.59	-0.42	0.00	0.00	0.00	6.93	4.74
3.89													
9	5	M	12.55	9.72	7.42	-1.52	-1.20	-0.91	-0.29	-0.23	-0.17	12.09	9.35
7.15													
10	5	L	12.55	9.72	7.42	-1.52	-1.20	-0.91	-0.29	-0.23	-0.17	12.09	9.35
7.15													
11	5	K	5.44	4.82	3.42	-0.66	-0.59	-0.42	-0.46	-0.32	-0.26	6.93	4.74
3.89													
12	6	N	5.18	4.59	3.26	-0.22	-0.20	-0.14	-0.46	-0.32	-0.26	7.00	4.82
2.94													
13	6	M	12.30	9.40	7.24	-0.52	-0.41	-0.31	-0.30	-0.24	-0.18	12.59	9.70
7.43													
14	6	L	12.30	9.40	7.24	-0.52	-0.41	-0.31	-0.30	-0.24	-0.18	12.59	9.70
7.43													
15	6	K	5.18	4.59	3.26	-0.22	-0.20	-0.14	-0.46	-0.32	-0.26	7.00	4.82
2.94													
16	7	N	5.18	4.59	3.26	-0.22	-0.20	-0.14	-0.46	-0.32	-0.26	7.00	4.82
3.94													
17	7	M	12.30	9.40	7.24	-0.52	-0.41	-0.31	-0.30	-0.24	-0.18	12.59	9.70
7.43													
18	7	L	12.30	9.40	7.24	-0.52	-0.41	-0.31	-0.30	-0.24	-0.18	12.59	9.70
7.43													
19	7	K	5.18	4.59	3.26	-0.22	-0.20	-0.14	-0.46	-0.32	-0.26	7.00	4.82
3.94													
20	8	N	5.44	4.82	3.42	-0.66	-0.59	-0.42	-0.46	-0.32	-0.26	6.93	4.74
3.89													
21	8	M	12.55	9.72	7.42	-1.52	-1.20	-0.91	-0.29	-0.23	-0.17	12.09	9.35
7.15													
22	8	L	12.55	9.72	7.42	-1.52	-1.20	-0.91	-0.29	-0.23	-0.17	12.09	9.35
7.15													
23	8	K	5.44	4.82	3.42	-0.66	-0.59	-0.42	0.00	0.00	0.00	6.93	4.74
3.89													
27	9	N	3.05	2.56	1.87	-0.59	-0.50	-0.36	-0.20	-0.17	-0.12	2.95	2.48
1.81													
28	9	M	4.55	2.69	2.41	0.00	0.00	0.00	-0.12	-0.11	-0.08	4.96	4.52
3.16													
29	9	L	4.55	2.69	2.41	-0.87	-0.55	-0.47	-0.12	-0.11	-0.08	4.96	4.52
3.16													
30	9	K	3.05	2.56	1.87	-0.59	-0.50	-0.36	-0.20	-0.17	-0.12	2.95	2.48
1.81													

10. KAT KOLON VE PERDE MOMENTLERİ

NO.	MX(X(ÜST)	MX(X(ALT)	TX(X	MX(Y(ÜST)	MX(Y(ALT)	TX(Y	MY(X(ÜST)	MY(X(ALT)	TX(Y	MY(Y(ÜST)	MY(Y(ALT)
-----	-----------	-----------	------	-----------	-----------	------	-----------	-----------	------	-----------	-----------

1	4	N	3.62	3.08	2.23	-0.68	-0.58	-0.42	-0.23	-0.20	-0.14	3.55	3.05
2.20													
2	4	M	6.81	4.92	3.91	0.00	0.00	0.00	-0.15	-0.13	-0.09	6.33	5.63
3.99													
3	4	L	6.81	4.92	3.91	-1.26	-0.90	-0.72	-0.15	-0.13	-0.09	6.33	5.63
3.99													
4	4	K	3.62	3.08	2.23	-0.68	-0.58	-0.42	-0.23	-0.20	-0.14	3.55	3.05
2.20													
8	5	N	6.52	5.74	4.09	-0.77	-0.68	-0.48	0.00	0.00	0.00	8.29	6.34
4.88													
9	5	M	15.52	12.44	9.32	-1.82	-1.45	-1.09	-0.35	-0.27	-0.21	14.85	11.99
8.95													
10	5	L	15.52	12.44	9.32	-1.82	-1.45	-1.09	-0.35	-0.27	-0.21	14.85	11.99
8.95													
11	5	K	6.52	5.74	4.09	-0.77	-0.68	-0.48	-0.54	-0.40	-0.31	8.29	6.34
4.88													
12	6	N	6.23	5.49	3.91	-0.26	-0.23	-0.16	-0.55	-0.40	-0.32	8.37	6.40
4.92													
13	6	M	14.72	11.75	8.82	-0.60	-0.48	-0.36	-0.35	-0.28	-0.21	14.99	12.05
9.01													
14	6	L	14.72	11.75	8.82	-0.60	-0.48	-0.36	-0.35	-0.28	-0.21	14.99	12.05
9.01													
15	6	K	6.23	5.49	3.91	-0.26	-0.23	-0.16	-0.55	-0.40	-0.32	8.37	6.40
4.92													
16	7	N	6.23	5.49	3.91	-0.26	-0.23	-0.16	-0.55	-0.40	-0.32	8.37	6.40
4.92													
17	7	M	14.72	11.75	8.82	-0.60	-0.48	-0.36	-0.35	-0.28	-0.21	14.99	12.05
9.01													
18	7	L	14.72	11.75	8.82	-0.60	-0.48	-0.36	-0.35	-0.28	-0.21	14.99	12.05
9.01													
19	7	K	6.23	5.49	3.91	-0.26	-0.23	-0.16	-0.55	-0.40	-0.32	8.37	6.40
4.92													
20	8	N	6.52	5.74	4.09	-0.77	-0.68	-0.48	-0.54	-0.40	-0.31	8.29	6.34
4.88													
21	8	M	15.52	12.44	9.32	-1.82	-1.45	-1.09	-0.35	-0.27	-0.21	14.85	11.99
8.95													
22	8	L	15.52	12.44	9.32	-1.82	-1.45	-1.09	-0.35	-0.27	-0.21	14.85	11.99
8.95													
23	8	K	6.52	5.74	4.09	-0.77	-0.68	-0.48	0.00	0.00	0.00	8.29	6.34
4.88													
27	9	N	3.62	3.08	2.23	-0.68	-0.58	-0.42	-0.23	-0.20	-0.14	3.55	3.05
2.20													
28	9	M	6.81	4.92	3.91	0.00	0.00	0.00	-0.15	-0.13	-0.09	6.33	5.63
3.99													
29	9	L	6.81	4.92	3.91	-1.26	-0.90	-0.72	-0.15	-0.13	-0.09	6.33	5.63
3.99													
30	9	K	3.62	3.08	2.23	-0.68	-0.58	-0.42	-0.23	-0.20	-0.14	3.55	3.05
2.20													

9. KAT KOLON VE PERDE MOMENTLERİ

TYT	NO.		MXX(UST)	MXX(ALT)	TXX	MXV(UST)	MXV(ALT)	TXV	MYX(UST)	MYX(ALT)	TYX	MYV(UST)	MYV(ALT)
1	4	N	4.53	3.91	2.81	-0.88	-0.76	-0.55	-0.30	-0.26	-0.19	4.38	3.76
2.71													
2	4	M	6.50	2.80	3.10	0.00	0.00	0.00	-0.20	-0.16	-0.12	8.01	6.67
4.89													
3	4	L	6.50	2.80	3.10	-1.29	-0.56	-0.62	-0.20	-0.16	-0.12	8.01	6.67
4.89													
4	4	K	4.53	3.91	2.81	-0.88	-0.76	-0.55	-0.30	-0.26	-0.19	4.38	3.76
2.71													
8	5	N	8.67	7.65	5.44	-1.06	-0.93	-0.66	0.00	0.00	0.00	9.46	7.04

5.50													
9	5	M	18.95	14.18	11.04	-2.34	-1.74	-1.36	-0.45	-0.34	-0.26	17.92	13.65
10.52													
10	5	L	18.95	14.17	11.04	-2.34	-1.74	-1.36	-0.45	-0.34	-0.26	17.92	13.64
10.52													
11	5	K	8.67	7.65	5.44	-1.06	-0.93	-0.66	-0.67	-0.48	-0.38	9.47	7.04
5.50													
12	6	N	8.25	7.26	5.17	-0.35	-0.31	-0.22	-0.67	-0.48	-0.39	9.51	7.07
5.53													
13	6	M	18.27	14.25	10.84	-0.79	-0.61	-0.47	-0.47	-0.36	-0.27	18.35	14.51
10.96													
14	6	L	18.27	14.25	10.84	-0.79	-0.61	-0.47	-0.47	-0.36	-0.27	18.35	14.51
10.95													
15	6	K	8.25	7.27	5.17	-0.35	-0.31	-0.22	-0.67	-0.48	-0.39	9.52	7.07
5.53													
16	7	N	8.25	7.26	5.17	-0.35	-0.31	-0.22	-0.67	-0.48	-0.39	9.51	7.07
5.53													
17	7	M	18.27	14.25	10.84	-0.79	-0.61	-0.47	-0.47	-0.36	-0.27	18.35	14.51
10.96													
18	7	L	18.27	14.25	10.84	-0.79	-0.61	-0.47	-0.47	-0.36	-0.27	18.35	14.51
10.95													
19	7	K	8.25	7.27	5.17	-0.35	-0.31	-0.22	-0.67	-0.48	-0.39	9.52	7.07
5.53													
20	8	N	8.67	7.65	5.44	-1.06	-0.93	-0.66	-0.67	-0.48	-0.38	9.46	7.04
5.50													
21	8	M	18.95	14.18	11.04	-2.33	-1.75	-1.36	-0.45	-0.34	-0.26	17.92	13.65
10.52													
22	8	L	18.95	14.17	11.04	-2.33	-1.75	-1.36	-0.45	-0.34	-0.26	17.92	13.64
10.52													
23	8	K	8.67	7.65	5.44	-1.06	-0.93	-0.66	0.00	0.00	0.00	9.47	7.04
5.50													
27	9	N	4.53	3.91	2.81	-0.88	-0.76	-0.55	-0.30	-0.26	-0.19	4.38	3.76
2.71													
28	9	M	6.50	2.80	3.10	0.00	0.00	0.00	-0.20	-0.16	-0.12	8.01	6.67
4.89													
29	9	L	6.50	2.80	3.10	-1.29	-0.57	-0.62	-0.20	-0.16	-0.12	8.01	6.67
4.89													
30	9	K	4.53	3.90	2.81	-0.88	-0.76	-0.55	-0.30	-0.26	-0.19	4.38	3.76
2.71													

8. KAT KOLON VE PERDE MOMENTLERİ

	NO.		MX (ÜST)	MX (ALT)	TX	MY (ÜST)	MY (ALT)	TY	MY (ÜST)	MY (ALT)	TY	MY (ÜST)	MY (ALT)
TY													
1	4	N	4.98	4.34	3.11	-0.95	-0.84	-0.60	-0.33	-0.29	-0.21	4.76	4.19
2.90													
2	4	M	6.78	4.94	3.90	0.00	0.00	0.00	-0.20	-0.20	-0.13	8.19	7.83
5.34													
3	4	L	6.78	4.94	3.91	-1.28	-1.00	-0.76	-0.20	-0.19	-0.13	8.19	7.83
5.34													
4	4	K	4.98	4.34	3.11	-0.95	-0.84	-0.60	-0.33	-0.29	-0.21	4.76	4.20
2.99													
8	5	N	9.35	8.52	5.96	-1.12	-1.03	-0.72	0.00	0.00	0.00	10.86	8.16
6.34													
9	5	M	20.66	17.36	12.67	-2.48	-2.13	-1.54	-0.48	-0.41	-0.30	19.52	16.41
11.98													
10	5	L	20.66	17.38	12.68	-2.48	-2.14	-1.54	-0.49	-0.41	-0.30	19.53	16.42
11.98													
11	5	K	9.35	8.52	5.96	-1.12	-1.03	-0.72	-0.75	-0.57	-0.44	10.86	8.12
6.33													
12	6	N	8.89	8.11	5.67	-0.37	-0.34	-0.24	-0.75	-0.58	-0.44	10.89	8.20
6.36													
13	6	M	20.47	16.84	12.44	-0.86	-0.72	-0.53	-0.51	-0.42	-0.31	20.38	16.85
12.41													

14	6	L	20.48	16.85	12.44	-0.86	-0.73	-0.53	-0.51	-0.42	-0.31	20.39	16.85
12.42													
15	6	K	8.89	8.11	5.66	-0.37	-0.34	-0.24	-0.75	-0.57	-0.44	10.89	8.17
6.35													
16	7	N	8.89	8.11	5.67	-0.37	-0.34	-0.24	-0.75	-0.58	-0.44	10.89	8.20
6.36													
17	7	M	20.47	16.84	12.44	-0.85	-0.72	-0.53	-0.51	-0.42	-0.31	20.38	16.85
12.41													
18	7	L	20.48	16.85	12.44	-0.85	-0.72	-0.53	-0.51	-0.42	-0.31	20.39	16.85
12.42													
19	7	K	8.89	8.11	5.66	-0.37	-0.34	-0.24	-0.75	-0.57	-0.44	10.89	8.17
6.35													
20	8	N	9.35	8.52	5.96	-1.12	-1.03	-0.72	-0.75	-0.57	-0.44	10.86	8.16
6.34													
21	8	M	20.65	17.36	12.67	-2.46	-2.14	-1.53	-0.48	-0.41	-0.30	19.52	16.41
11.98													
22	8	L	20.66	17.38	12.68	-2.46	-2.13	-1.53	-0.49	-0.41	-0.30	19.53	16.42
11.98													
23	8	K	9.35	8.52	5.96	-1.12	-1.03	-0.72	0.00	0.00	0.00	10.86	8.11
6.32													
27	9	N	4.97	4.34	3.11	-0.95	-0.84	-0.60	-0.33	-0.29	-0.21	4.76	4.19
2.98													
28	9	M	6.77	4.94	3.90	0.00	0.00	0.00	-0.20	-0.20	-0.13	8.19	7.83
5.34													
29	9	L	6.77	4.94	3.90	-1.27	-1.00	-0.76	-0.20	-0.19	-0.13	8.19	7.83
5.34													
30	9	K	4.98	4.35	3.11	-0.95	-0.84	-0.60	-0.33	-0.29	-0.21	4.77	4.21
2.99													

7. KAT KOLON VE PERDE MOMENTLERİ

TYT	NO.		MX(X) (GÜT)	MX(X) (ALT)	TX(X)	MY(X) (GÜT)	MY(X) (ALT)	TX(Y)	MY(Y) (GÜT)	MY(Y) (ALT)	TY(X)	MY(Y) (GÜT)	MY(Y) (ALT)
1	4	N	5.56	5.10	3.55	-1.05	-0.95	-0.67	-0.36	-0.33	-0.23	5.38	4.96
3.45													
2	4	M	9.74	6.94	5.56	0.00	0.00	0.00	-0.24	-0.23	-0.16	10.05	9.38
6.47													
3	4	L	9.73	6.92	5.55	-1.79	-1.16	-0.98	-0.25	-0.23	-0.16	10.06	9.38
48													
4	4	K	5.55	5.09	3.55	-1.05	-0.95	-0.66	-0.37	-0.33	-0.23	5.39	4.93
3.													
5	5	N	10.50	9.80	6.77	-1.24	-1.15	-0.80	0.00	0.00	0.00	11.98	9.58
7.19													
9	5	M	23.37	18.20	13.85	-2.74	-2.04	-1.59	-0.53	-0.41	-0.31	22.04	17.44
13.16													
1	5	L	23.35	18.14	13.83	-2.73	-2.02	-1.58	-0.54	-0.39	-0.31	22.04	17.36
13.													
5	5	K	10.50	9.79	6.77	-1.25	-1.15	-0.80	-0.81	-0.62	-0.48	12.06	9.67
2	6	N	10.02	9.33	6.45	-0.42	-0.38	-0.27	-0.80	-0.61	-0.47	12.01	9.57
9													
13	6	M	22.04	17.06	13.03	-0.90	-0.66	-0.52	-0.53	-0.41	-0.31	22.02	17.41
15													
14	6	L	22.03	17.03	13.02	-0.90	-0.66	-0.52	-0.54	-0.39	-0.31	22.03	17.33
13.12													
15	6	K	10.03	9.36	6.47	-0.42	-0.39	-0.27	-0.81	-0.62	-0.48	12.08	9.65
7.24													
16	7	N	10.02	9.33	6.45	-0.41	-0.38	-0.26	-0.80	-0.61	-0.47	12.01	9.57
7.19													
17	7	M	22.04	17.07	13.03	-0.89	-0.70	-0.53	-0.53	-0.41	-0.31	22.02	17.41
13.15													
18	7	L	22.03	17.04	13.02	-0.89	-0.70	-0.53	-0.54	-0.39	-0.31	22.03	17.33
13.12													
19	7	K	10.03	9.36	6.46	-0.41	-0.38	-0.26	-0.81	-0.62	-0.48	12.08	9.65

28	9	H	9.25	3.82	4.35	0.00	0.00	0.00	-0.27	-0.23	-0.17	10.49	9.26
6.58													
29	9	L	9.26	3.86	4.37	-1.74	-0.92	-0.89	-0.28	-0.24	-0.17	10.53	9.25
6.59													
30	9	K	5.80	5.51	3.77	-1.07	-1.01	-0.69	-0.41	-0.39	-0.27	5.60	5.51
3.70													

5. KAT KOLON VE PERDE MOMENTLERİ

TYT	NO.		MX(ÜST)	MX(ALT)	TX	MY(ÜST)	MY(ALT)	TY	MY(ÜST)	MY(ALT)	TY	MY(ÜST)	MY(ALT)
1	4	N	6.58	5.62	4.06	-1.28	-1.01	-0.76	-0.41	-0.35	-0.25	5.91	4.74
3.55													
2	4	M	9.13	4.59	4.57	0.00	0.00	0.00	-0.26	-0.26	-0.17	10.70	9.81
6.84													
3	4	L	8.98	4.09	4.36	-1.51	0.54	-0.32	-0.29	-0.25	-0.18	10.79	9.80
6.86													
4	4	K	6.46	5.27	3.91	-1.24	-0.89	-0.71	-0.42	-0.28	-0.23	5.85	4.14
3.33													
8	5	N	14.22	15.33	9.85	-1.71	-1.69	-1.14	0.00	0.00	0.00	16.46	17.44
11.30													
9	5	M	28.91	18.93	15.95	-3.38	-1.21	-1.53	-0.61	-0.52	-0.38	25.00	14.83
13.28													
10	5	L	28.53	17.65	15.39	-3.29	-0.87	-1.39	-0.67	-0.19	-0.29	24.97	13.27
12.75													
11	5	K	14.14	15.14	9.76	-1.75	-1.80	-1.18	-1.31	-1.49	-0.93	17.67	19.74
12.47													
12	6	N	13.20	13.69	8.96	-0.55	-0.49	-0.35	-1.12	-1.27	-0.80	16.37	16.62
11.00													
13	6	M	28.16	16.63	14.93	-1.14	-0.23	-0.46	-0.64	-0.53	-0.39	26.13	14.79
13.64													
14	6	L	28.04	16.09	14.71	-1.12	-0.16	-0.43	-0.68	-0.16	-0.28	26.01	12.94
12.98													
15	6	K	13.48	14.53	9.34	-0.59	-0.61	-0.40	-1.31	-1.44	-0.92	17.69	19.13
12.27													
16	7	N	13.19	13.70	8.96	-0.50	-0.54	-0.35	-1.12	-1.27	-0.80	16.37	16.62
11.00													
17	7	M	28.12	16.69	14.94	-1.06	-0.97	-0.68	-0.64	-0.53	-0.39	26.13	14.79
13.64													
18	7	L	28.02	16.23	14.75	-1.07	-0.99	-0.69	-0.68	-0.16	-0.28	26.01	12.94
12.99													
19	7	K	13.46	14.51	9.33	-0.48	-0.50	-0.33	-1.31	-1.44	-0.92	17.69	19.12
12.27													
20	8	N	14.17	15.32	9.83	-1.48	-1.59	-1.02	-1.12	-1.32	-0.81	16.46	17.44
11.30													
21	8	M	28.82	19.20	16.01	-3.01	-2.84	-1.95	-0.61	-0.52	-0.38	25.00	14.83
13.28													
22	8	L	28.44	17.92	15.45	-3.03	-2.94	-1.99	-0.66	-0.19	-0.29	24.96	13.23
12.73													
23	8	K	14.09	15.10	9.73	-1.44	-1.48	-0.97	0.00	0.00	0.00	17.70	19.91
12.54													
27	9	N	6.55	5.63	4.06	-1.13	-1.06	-0.73	-0.41	-0.35	-0.25	5.91	4.74
3.55													
28	9	M	9.08	4.90	4.66	0.00	0.00	0.00	-0.26	-0.26	-0.17	10.70	9.81
6.84													
29	9	L	8.98	4.62	4.53	-1.44	-1.62	-1.02	-0.29	-0.25	-0.18	10.79	9.80
6.86													
30	9	K	6.24	4.71	3.65	-1.17	-1.20	-0.79	-0.40	-0.22	-0.20	5.63	3.49
3.04													

4. KAT KOLON VE PERDE MOMENTLERİ

NO.	MX(ÜST)	MX(ALT)	TX	MY(ÜST)	MY(ALT)	TY	MY(ÜST)	MY(ALT)	TY	MY(ÜST)	MY(ALT)
-----	---------	---------	----	---------	---------	----	---------	---------	----	---------	---------

TYT

1	4	N	7.88	7.04	4.98	-1.82	-1.67	-1.16	-0.48	-0.57	-0.35	7.70	8.67	
5.46	2	4	M	15.65	7.51	7.72	0.00	0.00	0.00	-0.31	-0.35	-0.22	15.10	15.49
10.19	3	4	L	16.34	9.73	8.69	-4.91	-5.28	-3.39	-0.46	-0.43	-0.29	15.55	15.72
10.42	4	4	K	8.48	8.80	5.76	-2.02	-2.28	-1.44	-0.66	-0.85	-0.50	8.90	11.25
6.72	8	5	N	8.50	-6.46	0.68	-1.55	-0.09	-0.55	0.00	0.00	0.00	7.29	-22.24
-4.98	9	5	M	38.48	27.10	21.86	-6.49	-6.11	-4.20	-0.73	-0.90	-0.55	39.88	41.39
27.09	10	5	L	40.11	32.54	24.22	-6.86	-7.44	-4.76	-1.38	-1.42	-0.93	42.62	45.43
29.35	11	5	K	8.93	-5.28	1.22	-1.39	0.42	-0.32	-0.28	3.02	0.91	5.17	-35.50
10.11	12	6	N	9.87	-1.15	2.91	-0.68	-0.45	-0.38	-0.35	1.31	0.32	7.95	-19.37
-3.81	13	6	M	39.08	33.97	24.35	-2.46	-2.80	-1.75	-0.75	-0.94	-0.56	41.05	44.95
28.67	14	6	L	39.39	35.53	24.98	-2.49	-2.98	-1.82	-1.46	-1.66	-1.04	44.22	50.33
31.52	15	6	K	8.40	-5.49	0.97	-0.46	0.19	-0.09	-0.28	2.91	0.88	5.23	-34.14
-9.64	16	7	N	9.81	-1.21	2.86	-0.32	-0.08	-0.13	-0.35	1.31	0.32	7.95	-19.37
-3.81	17	7	M	38.90	33.96	24.28	-1.02	-1.32	-0.78	-0.75	-0.94	-0.56	41.05	44.95
28.67	18	7	L	39.13	35.25	24.80	-1.01	-1.27	-0.76	-1.46	-1.66	-1.04	44.22	50.32
31.51	19	7	K	8.38	-5.43	0.98	-0.40	-0.31	-0.24	-0.28	2.91	0.88	5.23	-34.13
-9.63	20	8	N	8.39	-6.45	0.65	-1.00	-0.42	-0.47	-0.32	1.47	0.38	7.29	-22.24
-4.98	21	8	M	37.90	26.72	21.54	-3.11	-4.30	-2.47	-0.73	-0.90	-0.55	39.88	41.39
27.09	22	8	L	39.54	32.18	23.91	-3.04	-3.97	-2.34	-1.38	-1.43	-0.94	42.66	45.58
29.41	23	8	K	8.86	-5.16	1.24	-1.19	-0.39	-0.73	0.00	0.00	0.00	5.17	-35.80
10.21	27	9	N	7.76	6.97	4.91	-1.15	-1.43	-0.86	-0.48	-0.57	-0.35	7.70	8.67
5.46	28	9	M	15.17	7.15	7.44	0.00	0.00	0.00	-0.31	-0.35	-0.22	15.10	15.49
10.19	29	9	L	15.78	8.82	8.20	-1.63	-2.20	-1.28	-0.46	-0.43	-0.29	15.55	15.71
10.42	30	9	K	9.29	11.54	6.94	-0.93	-0.77	-0.57	-0.77	-1.17	-0.65	9.98	14.49
8.15														

3. KAT KOLON VE PERDE MOMENTLERİ

TYT	NO.		MX(X) (UST)	MX(X) (ALT)	TX(X)	MX(Y) (UST)	MX(Y) (ALT)	TX(Y)	MY(X) (UST)	MY(X) (ALT)	TX(X)	MY(Y) (UST)	MY(Y) (ALT)
1	4	N	8.34	7.77	2.68	-1.37	-0.36	-0.29	-0.34	-0.48	-0.14	5.68	7.20
2.15	2	M	15.84	5.86	3.62	0.00	0.00	0.00	-0.15	-0.24	-0.07	8.77	9.65
3.07	4	L	12.73	-3.21	1.59	1.15	14.22	2.56	-0.32	-0.13	-0.08	9.12	8.64
2.96	4	K	5.29	-0.48	0.80	-0.31	2.52	0.37	-0.21	0.42	0.04	3.20	-2.86
1.06	8	5	N	53.49	30.49	27.99	-5.34	3.25	-0.70	0.00	0.00	0.00	60.93

227
26.88

29.27	9	5	M	47.72	35.35	13.84	-2.77	7.50	0.79	-0.22	-1.00	-0.20	11.94	14.36
4.38	10	5	L	40.67	14.21	9.15	-1.37	12.04	1.78	-0.14	2.17	0.34	8.34	-7.18
0.19	11	5	K	51.00	22.69	24.56	-6.16	0.37	-1.93	-6.32	-1.32	-2.55	79.20	35.15
38.11	12	6	N	41.42	-3.94	12.49	-1.02	4.03	1.00	-3.94	-3.21	-2.38	60.23	17.82
26.02	13	6	M	32.77	-4.84	4.66	0.17	6.15	1.05	-0.20	-0.90	-0.18	8.38	2.70
1.85	14	6	L	32.61	-7.30	4.22	0.13	6.33	1.08	0.17	3.10	0.54	2.85	-24.40
-3.59	15	6	K	49.11	22.10	23.74	-2.15	0.19	-0.65	-6.53	-1.42	-2.65	81.79	36.30
39.36	16	7	N	41.40	-3.09	12.77	-1.09	-2.61	-1.23	-3.94	-3.21	-2.38	60.23	17.82
26.02	17	7	M	32.60	-4.41	4.70	-0.68	-3.96	-0.77	-0.20	-0.90	-0.18	8.38	2.70
1.85	18	7	L	32.71	-5.99	4.45	-0.65	-3.97	-0.77	0.17	3.10	0.54	2.85	-24.40
-3.59	19	7	K	48.90	22.27	23.72	-0.68	-1.21	-0.63	-6.53	-1.42	-2.65	81.80	36.31
39.37	20	8	N	53.15	31.62	28.26	-2.87	-7.11	-3.33	-3.95	-3.66	-2.54	60.93	26.88
29.27	21	8	M	47.58	37.38	14.16	-1.40	-10.87	-2.04	-0.22	-1.00	-0.20	11.94	14.36
4.38	22	8	L	40.46	16.07	9.42	-1.56	-11.63	-2.20	-0.13	2.20	0.35	8.14	-7.77
0.06	23	8	K	50.46	23.11	24.32	-1.87	-3.71	-1.96	0.00	0.00	0.00	78.50	34.64
37.71	27	9	N	8.23	7.87	2.68	-0.41	-1.46	-0.31	-0.34	-0.48	-0.14	5.58	7.20
2.15	28	9	M	15.97	8.17	4.02	0.00	0.00	0.00	-0.15	-0.24	-0.07	8.77	9.55
3.07	29	9	L	12.56	-0.69	1.98	-0.97	-11.21	-2.03	-0.32	-0.13	-0.08	9.12	8.65
2.96	30	9	K	0.55	-13.07	-2.09	-1.50	-4.44	-0.99	0.32	1.90	0.37	-2.16	-17.54
-3.28														

2. KAT KOLON VE PERDE MOMENTLERİ

TYT	NO.		MX(UST)	MX(ALT)	TX	MY(UST)	MY(ALT)	TY	MYX(UST)	MYX(ALT)	TYX	MY(UST)	MY(ALT)
1	4	N	9.90	11.43	3.56	-5.81	-6.29	-2.02	-0.24	-0.20	-0.07	6.99	6.63
2.27	4	M	22.49	41.97	10.74	0.00	0.00	0.00	0.05	0.06	0.02	12.47	13.23
4.28	4	L	12.01	36.03	8.01	-17.34	-25.98	-7.22	-1.21	-1.30	-0.42	16.62	18.09
5.78	4	K	0.48	6.01	1.08	-2.52	-4.39	-1.15	-0.42	-0.95	-0.23	2.86	8.46
1.89	5	N	41.10	68.36	36.49	-18.78	-22.70	-13.83	0.00	0.00	0.00	22.37	84.74
5.70	5	M	58.28	84.06	23.72	-28.26	-34.16	-10.40	0.59	0.76	0.22	34.50	45.13
1.27	5	L	32.77	68.28	16.84	-22.57	-30.44	-8.84	-4.05	-5.52	-1.59	42.15	64.96
10	5	K	-22.69	1.92	-3.46	-0.37	-4.06	-0.74	1.32	-3.26	-0.32	-35.15	20.43
1.85	6	N	3.94	53.15	19.03	-4.03	-7.28	-3.77	1.79	-1.99	-0.07	10.41	78.25
11	6	M	13.54	63.48	12.84	-6.89	-11.09	-3.00	0.70	0.79	0.25	22.42	40.74
13													
53													

14	6	L	7.30	55.77	10.51	-6.33	-10.35	-2.78	-3.10	-5.17	-1.38	24.40	58.41	
13.80	15	6	K	-22.10	1.58	-3.42	-0.19	-1.49	-0.28	1.42	-3.07	-0.27	-36.30	18.26
-3.01	16	7	N	3.09	51.86	18.31	2.61	2.62	1.74	1.79	-1.99	-0.07	10.41	78.25
29.55	17	7	M	11.24	61.08	12.05	4.05	5.25	1.55	0.70	0.79	0.25	22.42	40.74
10.53	18	7	L	5.99	53.82	9.97	3.97	5.14	1.52	-3.10	-5.17	-1.38	24.40	58.41
13.80	19	7	K	-22.27	1.26	-3.50	1.21	1.07	0.38	1.42	-3.06	-0.27	-36.31	18.24
-3.01	20	8	N	37.87	64.74	34.20	9.52	9.04	6.19	1.18	-2.31	-0.38	22.37	84.74
35.70	21	8	M	53.45	78.34	21.96	14.68	17.62	5.38	0.59	0.76	0.22	34.50	45.13
13.27	22	8	L	27.92	62.78	15.12	13.65	16.93	5.10	-4.01	-5.51	-1.59	41.54	64.73
17.71	23	8	K	-23.11	1.11	-3.67	3.71	3.38	1.18	0.00	0.00	0.00	-34.64	21.58
-2.18	27	9	N	8.97	10.43	3.23	2.67	2.90	0.93	-0.24	-0.20	-0.07	6.99	6.63
2.27	28	9	M	18.81	37.29	9.35	0.00	0.00	0.00	0.05	0.06	0.02	12.47	13.23
4.28	29	9	L	9.07	32.13	6.87	11.88	15.47	4.56	-1.21	-1.30	-0.42	16.63	18.09
5.79	30	9	K	13.07	28.06	13.71	4.44	6.50	3.65	-1.90	-3.60	-1.83	17.54	35.21
17.58														

1. KAT KOLON VE PERDE MOMENTLERİ

TYT	NO.		MXX(UST)	MXX(ALT)	TXX	MXV(UST)	MXV(ALT)	TXV	MYX(UST)	MYX(ALT)	TYX	MYV(UST)	MYV(ALT)
1	4	N	1.12	10.81	3.98	1.86	-1.57	0.09	-0.34	-0.69	-0.34	3.93	10.37
4.76	2	M	-15.14	54.02	12.96	0.00	0.00	0.00	-0.32	-0.47	-0.26	5.66	17.47
7.71	3	L	-17.00	53.08	12.03	19.27	-5.40	4.62	0.22	-0.46	-0.08	3.63	17.30
3.98	4	K	-0.75	9.87	3.04	2.53	-1.24	0.43	-0.02	-0.77	-0.26	2.18	10.59
.25	5	N	-27.71	3.96	-7.92	11.98	3.22	5.07	0.00	0.00	0.00	-56.15	22.43
.24	6	M	-21.34	96.39	25.02	19.31	-6.97	4.11	-1.32	-2.54	-1.29	-3.74	86.08
45	7	L	-29.41	92.36	20.98	21.62	-5.81	5.27	3.20	-1.81	0.46	-17.89	84.10
10	8	K	7.45	21.54	9.66	1.77	-1.88	-0.04	1.23	-3.97	-0.91	1.70	57.93
17	9	N	-18.68	7.66	-3.67	3.75	0.89	1.55	1.00	-2.66	-0.55	-56.84	22.09
1	10	M	-7.85	98.23	30.13	6.08	-2.85	1.08	-1.36	-2.56	-1.31	0.64	88.27
2	11	L	-20.07	92.11	24.01	7.29	-2.25	1.68	2.87	-1.98	0.30	-11.68	87.21
3	12	K	7.21	20.60	9.27	0.68	-0.64	0.01	1.62	-3.77	-0.72	-2.55	55.80
1	13	N	-17.97	7.90	-3.36	-1.99	-1.36	-1.12	1.00	-2.66	-0.55	-56.84	22.09
7	14	M	-6.26	98.33	30.69	-4.85	-4.63	-3.16	-1.36	-2.56	-1.31	0.64	88.27
7	15	L	-18.60	92.16	24.52	-5.03	-4.72	-3.25	2.87	-1.98	0.30	-11.68	87.21
7	16	K	7.40	20.58	9.33	-1.01	-0.87	-0.62	1.62	-3.77	-0.72	-2.60	55.78

17.73														
20	8	N	-25.66	4.69	-6.99	-6.63	-4.33	-3.65	0.97	-2.67	-0.57	-56.15	22.43	
11.24														
21	8	M	-17.70	96.46	26.25	-15.75	-13.95	-9.90	-1.32	-2.54	-1.29	-3.74	86.08	
27.45														
22	8	L	-25.15	92.74	22.53	-16.23	-14.19	-10.14	3.19	-1.82	0.46	-17.69	84.20	
22.17														
23	8	K	7.92	21.48	9.80	-3.11	-2.56	-1.89	0.00	0.00	0.00	4.10	59.13	
21.08														
27	9	N	1.53	10.75	4.09	-2.49	-2.16	-1.55	-0.34	-0.69	-0.34	3.93	10.37	
4.76														
28	9	M	-11.75	54.17	14.14	0.00	0.00	0.00	-0.32	-0.47	-0.26	5.66	17.47	
7.71														
29	9	L	-12.51	53.78	13.76	-14.68	-12.81	-9.16	0.22	-0.46	-0.08	3.62	17.29	
6.97														
30	9	K	-19.92	0.03	-6.63	-5.81	-3.82	-3.21	1.88	0.18	0.68	-16.89	1.05	
-5.28														

13	4+N	1.52	0.50	0.00	0.00	0.00	0.00	1.43	0.45
	4+M	0.00	0.00	1.84	0.00	0.00	0.00	2.31	0.72
	4+L	1.84	0.50	0.00	0.00	0.00	0.00	2.31	0.74
	4+K	0.00	0.00	1.52	0.00	0.00	0.00	1.43	0.45
	5A+N	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	5A+M	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	5A+L	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	5+N	2.58	0.82	0.00	0.00	1.59	0.45	1.69	0.48
	5+M	2.91	0.80	2.98	0.00	2.59	0.72	3.07	0.87
	5+L	3.16	0.85	2.73	0.00	2.71	0.74	2.95	0.85
	5+K	0.00	0.00	2.58	0.00	1.59	0.45	1.69	0.48
	6+N	2.43	0.79	0.00	0.00	1.68	0.48	1.67	0.48
	6+M	2.84	0.84	2.94	0.00	3.01	0.87	3.01	0.86
	6+L	2.77	0.77	3.01	0.00	3.03	0.85	2.99	0.85
	6+K	0.00	0.00	2.43	0.00	1.68	0.48	1.67	0.48
	7+N	2.43	0.79	0.00	0.00	1.67	0.48	1.68	0.48
	7+M	2.84	0.84	2.94	0.00	3.01	0.86	3.01	0.87
	7+L	2.77	0.77	3.01	0.00	2.99	0.85	3.03	0.85
	7+K	0.00	0.00	2.43	0.00	1.67	0.48	1.68	0.48
	8+N	2.58	0.82	0.00	0.00	1.69	0.48	1.59	0.45
	8+M	2.91	0.80	2.98	0.00	3.07	0.87	2.59	0.72
	8+L	3.16	0.85	2.73	0.00	2.95	0.85	2.71	0.74
	8+K	0.00	0.00	2.58	0.00	1.69	0.48	1.59	0.45
	9A+N	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	9A+M	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	9A+L	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	9+N	1.52	0.50	0.00	0.00	1.43	0.45	0.00	0.00
	9+M	0.00	0.00	1.84	0.00	2.31	0.72	0.00	0.50
	9+L	1.84	0.50	0.00	0.00	2.31	0.74	0.00	0.00
	9+K	0.00	0.00	1.52	0.00	1.43	0.45	0.00	0.50
13	4+N	3.22	0.99	0.00	0.00	0.00	0.00	3.08	0.93
	4+M	0.00	0.00	3.52	0.00	0.00	0.00	5.12	1.56
	4+L	3.52	0.99	0.00	0.00	0.00	0.00	5.12	1.59
	4+K	0.00	0.00	3.22	0.00	0.00	0.00	3.08	0.93
	5A+N	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	5A+M	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	5A+L	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	5+N	5.84	1.80	0.00	0.00	3.26	0.93	3.33	0.95
	5+M	5.92	1.66	6.35	0.00	5.48	1.56	6.30	1.79
	5+L	6.58	1.83	5.68	0.00	5.65	1.59	6.13	1.77
	5+K	0.00	0.00	5.84	0.00	3.26	0.93	3.33	0.95
	6+N	5.50	1.72	0.00	0.00	3.33	0.95	3.33	0.95
	6+M	5.98	1.74	6.18	0.00	6.26	1.79	6.26	1.79
	6+L	5.96	1.69	6.21	0.00	6.27	1.77	6.24	1.78
	6+K	0.00	0.00	5.50	0.00	3.33	0.95	3.33	0.95
	7+N	5.50	1.72	0.00	0.00	3.33	0.95	3.33	0.95
	7+M	5.98	1.74	6.18	0.00	6.26	1.79	6.26	1.79
	7+L	5.96	1.69	6.21	0.00	6.24	1.78	6.27	1.77
	7+K	0.00	0.00	5.50	0.00	3.33	0.95	3.33	0.95
	8+N	5.84	1.80	0.00	0.00	3.33	0.95	3.26	0.93
	8+M	5.92	1.66	6.35	0.00	6.30	1.79	5.48	1.56
	8+L	6.58	1.83	5.68	0.00	6.13	1.77	5.65	1.59
	8+K	0.00	0.00	5.84	0.00	3.33	0.95	3.26	0.93
	9A+N	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	9A+M	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	9A+L	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	9+N	3.22	0.99	0.00	0.00	3.08	0.93	0.00	0.00
	9+M	0.00	0.00	3.52	0.00	5.12	1.56	0.00	0.99

	9+L	3.52	0.99	0.00	0.00	5.12	1.59	0.00	0.00
	9+K	0.00	0.00	3.22	0.00	3.08	0.93	0.00	0.99
13	4+N	4.92	1.54	0.00	0.00	0.00	0.00	4.66	1.42
	4+M	0.00	0.00	5.48	0.00	0.00	0.00	7.84	2.40
	4+L	5.48	1.54	0.00	0.00	0.00	0.00	7.84	2.43
	4+K	0.00	0.00	4.92	0.00	0.00	0.00	4.66	1.42
	5A+N	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	5A+M	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	5A+L	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	5+N	8.86	2.74	0.00	0.00	4.96	1.42	5.09	1.45
	5+M	9.11	2.55	9.71	0.00	8.40	2.40	9.65	2.74
	5+L	10.10	2.80	8.72	0.00	8.65	2.43	9.39	2.71
	5+K	0.00	0.00	8.86	0.00	4.96	1.42	5.09	1.45
	6+N	8.36	2.63	0.00	0.00	5.09	1.45	5.08	1.45
	6+M	9.14	2.66	9.45	0.00	9.54	2.74	9.54	2.73
	6+L	9.09	2.58	9.50	0.00	9.57	2.71	9.50	2.72
	6+K	0.00	0.00	8.36	0.00	5.09	1.45	5.08	1.45
	7+N	8.36	2.63	0.00	0.00	5.08	1.45	5.09	1.45
	7+M	9.14	2.66	9.45	0.00	9.54	2.73	9.54	2.74
	7+L	9.09	2.58	9.50	0.00	9.50	2.72	9.57	2.71
	7+K	0.00	0.00	8.36	0.00	5.08	1.45	5.09	1.45
	8+N	8.86	2.74	0.00	0.00	5.09	1.45	4.96	1.42
	8+M	9.11	2.55	9.71	0.00	9.65	2.74	8.40	2.40
	8+L	10.10	2.80	8.72	0.00	9.39	2.71	8.65	2.43
	8+K	0.00	0.00	8.86	0.00	5.09	1.45	4.96	1.42
	9A+N	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	9A+M	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	9A+L	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	9+N	4.92	1.54	0.00	0.00	4.66	1.42	0.00	0.00
	9+M	0.00	0.00	5.48	0.00	7.84	2.40	0.00	1.54
	9+L	5.48	1.54	0.00	0.00	7.84	2.43	0.00	0.00
	9+K	0.00	0.00	4.92	0.00	4.66	1.42	0.00	1.54
13	4+N	6.28	1.94	0.00	0.00	0.00	0.00	6.04	1.84
	4+M	2.82	0.81	6.85	0.00	0.00	0.00	10.85	3.35
	4+L	6.85	1.94	2.82	0.00	0.00	0.00	10.85	3.42
	4+K	0.00	0.00	6.28	0.00	0.00	0.00	6.04	1.84
	5A+N	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	5A+M	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	5A+L	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	5+N	11.42	3.52	0.00	0.00	6.44	1.84	6.62	1.89
	5+M	13.00	3.64	12.43	0.00	11.83	3.35	12.38	3.53
	5+L	12.92	3.59	12.50	0.00	12.30	3.42	11.91	3.47
	5+K	0.00	0.00	11.42	0.00	6.44	1.84	6.62	1.89
	6+N	10.83	3.41	0.00	0.00	6.61	1.89	6.60	1.89
	6+M	11.87	3.46	12.27	0.00	12.35	3.53	12.35	3.53
	6+L	11.79	3.34	12.35	0.00	12.36	3.47	12.34	3.52
	6+K	0.00	0.00	10.83	0.00	6.61	1.89	6.60	1.89
	7+N	10.83	3.41	0.00	0.00	6.60	1.89	6.61	1.89
	7+M	11.87	3.46	12.27	0.00	12.35	3.53	12.35	3.53
	7+L	11.79	3.34	12.35	0.00	12.34	3.52	12.36	3.47
	7+K	0.00	0.00	10.83	0.00	6.60	1.89	6.61	1.89
	8+N	11.42	3.52	0.00	0.00	6.62	1.89	6.44	1.84
	8+M	13.00	3.64	12.43	0.00	12.38	3.53	11.83	3.35
	8+L	12.92	3.59	12.50	0.00	11.91	3.47	12.30	3.42
	8+K	0.00	0.00	11.42	0.00	6.62	1.89	6.44	1.84
	9A+N	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	9A+M	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	9A+L	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	9+N	6.28	1.94	0.00	0.00	6.04	1.84	0.00	0.00
	9+M	2.82	0.81	6.85	0.00	10.85	3.35	0.00	1.94
	9+L	6.85	1.94	2.82	0.00	10.85	3.42	0.00	0.81
	9+K	0.00	0.00	6.28	0.00	6.04	1.84	0.00	1.94
3	4+N	7.75	2.37	0.00	0.00	0.00	0.00	7.45	2.27
	4+M	3.34	0.96	8.28	0.00	0.00	0.00	13.64	4.20
	4+L	8.28	2.37	3.34	0.00	0.00	0.00	13.64	4.28
	4+K	0.00	0.00	7.75	0.00	0.00	0.00	7.45	2.27

	5A+N	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	5A+M	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	5A+L	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	5+N	14.51	4.46	0.00	0.00	7.86	2.27	7.98	2.28
	5+M	16.04	4.51	15.58	0.00	14.71	4.20	15.21	4.34
	5+L	16.10	4.53	15.52	0.00	15.23	4.28	14.69	4.27
	5+K	0.00	0.00	14.51	0.00	7.86	2.27	7.98	2.28
	6+N	13.76	4.30	0.00	0.00	7.98	2.28	7.97	2.28
	6+M	14.75	4.29	15.30	0.00	15.21	4.34	15.21	4.34
	6+L	14.79	4.23	15.26	0.00	15.21	4.27	15.21	4.35
	6+K	0.00	0.00	13.76	0.00	7.98	2.28	7.97	2.28
	7+N	13.76	4.30	0.00	0.00	7.97	2.28	7.98	2.28
	7+M	14.75	4.29	15.30	0.00	15.21	4.34	15.21	4.34
	7+L	14.79	4.23	15.25	0.00	15.21	4.35	15.21	4.27
	7+K	0.00	0.00	13.76	0.00	7.97	2.28	7.98	2.28
	8+N	14.51	4.46	0.00	0.00	7.98	2.28	7.86	2.27
	8+M	16.04	4.51	15.57	0.00	15.21	4.34	14.71	4.20
	8+L	16.10	4.53	15.52	0.00	14.69	4.27	15.23	4.28
	8+K	0.00	0.00	14.51	0.00	7.98	2.28	7.86	2.27
	9A+N	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	9A+M	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	9A+L	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	9+N	7.75	2.37	0.00	0.00	7.45	2.27	0.00	0.00
	9+M	3.34	0.96	8.28	0.00	13.64	4.20	0.00	2.37
	9+L	8.28	2.37	3.34	0.00	13.64	4.28	0.00	0.96
	9+K	0.00	0.00	7.75	0.00	7.45	2.27	0.00	2.37
13	4+N	9.04	2.78	0.00	0.00	0.00	0.00	8.54	2.59
	4+M	0.00	0.00	9.75	0.00	0.00	0.00	14.86	4.51
	4+L	9.75	2.78	0.00	0.00	0.00	0.00	14.87	4.56
	4+K	0.00	0.00	9.04	0.00	0.00	0.00	8.54	2.59
	5A+N	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	5A+M	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	5A+L	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	5+N	17.13	5.25	0.00	0.00	8.94	2.59	9.00	2.57
	5+M	16.77	4.71	18.31	0.00	15.60	4.51	17.58	5.00
	5+L	18.87	5.33	16.22	0.00	15.94	4.56	17.24	4.96
	5+K	0.00	0.00	17.13	0.00	9.94	2.59	9.00	2.57
	6+N	16.17	5.02	0.00	0.00	9.00	2.57	9.00	2.57
	6+M	17.06	4.95	17.69	0.00	17.45	5.00	17.45	4.99
	6+L	17.19	4.94	17.57	0.00	17.50	4.96	17.42	4.98
	6+K	0.00	0.00	16.17	0.00	9.00	2.57	9.00	2.57
	7+N	16.17	5.02	0.00	0.00	9.00	2.57	9.00	2.57
	7+M	17.06	4.95	17.69	0.00	17.45	4.99	17.45	5.00
	7+L	17.19	4.94	17.56	0.00	17.42	4.98	17.50	4.96
	7+K	0.00	0.00	16.17	0.00	9.00	2.57	9.00	2.57
	8+N	17.13	5.25	0.00	0.00	9.00	2.57	8.94	2.59
	8+M	16.77	4.71	18.31	0.00	17.58	5.00	15.60	4.51
	8+L	18.86	5.33	16.22	0.00	17.24	4.96	15.94	4.96
	8+K	0.00	0.00	17.13	0.00	9.00	2.57	8.94	2.59
	9A+N	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	9A+M	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	9A+L	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	9+N	9.04	2.78	0.00	0.00	8.54	2.59	0.00	0.00
	9+M	0.00	0.00	9.75	0.00	14.86	4.51	0.00	2.78
	9+L	9.75	2.78	0.00	0.00	14.87	4.56	0.00	0.00
	9+K	0.00	0.00	9.04	0.00	8.54	2.59	0.00	2.78
13	4+N	10.08	3.07	0.00	0.00	0.00	0.00	9.60	2.91
	4+M	4.27	1.22	10.67	0.00	0.00	0.00	17.88	5.47
	4+L	10.67	3.07	4.27	0.00	0.00	0.00	17.89	5.55
	4+K	0.00	0.00	10.07	0.00	0.00	0.00	9.61	2.92
	5A+N	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	5A+M	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	5A+L	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	5+N	19.16	5.85	0.00	0.00	10.06	2.91	10.13	2.89
	5+M	20.70	5.83	20.31	0.00	19.02	5.47	19.44	5.55
	5+L	20.88	5.93	20.13	0.00	19.59	5.55	18.89	5.48

	5+K	0.00	0.00	19.16	0.00	10.07	2.92	10.15	2.90
	6+N	18.15	5.62	0.00	0.00	10.13	2.89	10.13	2.89
	6+M	19.10	5.54	19.81	0.00	19.44	5.55	19.44	5.55
	6+L	19.27	5.54	19.65	0.00	19.45	5.48	19.45	5.56
	6+K	0.00	0.00	18.15	0.00	10.15	2.90	10.14	2.90
	7+N	18.15	5.62	0.00	0.00	10.13	2.89	10.13	2.89
	7+M	19.10	5.54	19.81	0.00	19.44	5.55	19.44	5.55
	7+L	19.26	5.54	19.65	0.00	19.45	5.56	19.45	5.48
	7+K	0.00	0.00	18.15	0.00	10.14	2.90	10.15	2.90
	8+N	19.15	5.85	0.00	0.00	10.13	2.89	10.06	2.91
	8+M	20.70	5.83	20.31	0.00	19.44	5.55	19.02	5.47
	8+L	20.87	5.93	20.13	0.00	18.89	5.48	19.59	5.55
	8+K	0.00	0.00	19.15	0.00	10.15	2.90	10.07	2.91
	9A+N	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	9A+M	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	9A+L	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	9+N	10.07	3.07	0.00	0.00	9.60	2.91	0.00	0.00
	9+M	4.27	1.22	10.66	0.00	17.88	5.47	0.00	3.07
	9+L	10.66	3.07	4.27	0.00	17.89	5.55	0.00	1.22
	9+K	0.00	0.00	10.07	0.00	9.61	2.91	0.00	3.07
13	4+N	11.05	3.38	0.00	0.00	0.00	0.00	10.46	3.18
	4+M	4.74	1.36	11.78	0.00	0.00	0.00	19.88	6.11
	4+L	11.79	3.38	4.74	0.00	0.00	0.00	19.92	6.24
	4+K	0.00	0.00	11.06	0.00	0.00	0.00	10.51	3.19
	5A+N	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	5A+M	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	5A+L	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	5+N	21.35	6.57	0.00	0.00	11.01	3.18	11.15	3.18
	5+M	23.71	6.66	22.96	0.00	21.39	6.11	22.08	6.31
	5+L	23.77	6.69	22.92	0.00	22.18	6.24	21.39	6.22
	5+K	0.00	0.00	21.36	0.00	11.04	3.19	11.16	3.19
	6+N	20.26	6.34	0.00	0.00	11.15	3.18	11.15	3.19
	6+M	21.76	6.33	22.56	0.00	22.09	6.31	22.09	6.31
	6+L	21.80	6.23	22.52	0.00	22.14	6.22	22.15	6.33
	6+K	0.00	0.00	20.23	0.00	11.16	3.19	11.17	3.19
	7+N	20.25	6.34	0.00	0.00	11.15	3.19	11.15	3.18
	7+M	21.75	6.32	22.55	0.00	22.09	6.31	22.09	6.31
	7+L	21.79	6.22	22.51	0.00	22.15	6.33	22.14	6.22
	7+K	0.00	0.00	20.23	0.00	11.17	3.19	11.16	3.19
	8+N	21.33	6.56	0.00	0.00	11.15	3.18	11.01	3.18
	8+M	23.68	6.65	22.94	0.00	22.08	6.31	21.39	6.11
	8+L	23.74	6.68	22.89	0.00	21.39	6.22	22.18	6.24
	8+K	0.00	0.00	21.34	0.00	11.16	3.19	11.04	3.20
	9A+N	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	9A+M	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	9A+L	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	9+N	11.02	3.37	0.00	0.00	10.46	3.18	0.00	0.00
	9+M	4.73	1.35	11.75	0.00	19.88	6.11	0.00	3.27
	9+L	11.77	3.38	4.73	0.00	19.92	6.24	0.00	1.25
	9+K	0.00	0.00	11.05	0.00	10.52	3.20	0.00	3.38
13	4+N	12.12	3.75	0.00	0.00	0.00	0.00	11.18	3.44
	4+M	0.00	0.00	13.17	0.00	0.00	0.00	19.96	6.09
	4+L	13.13	3.73	0.00	0.00	0.00	0.00	20.05	6.20
	4+K	0.00	0.00	12.07	0.00	0.00	0.00	11.25	3.48
	5A+N	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	5A+M	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	5A+L	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	5+N	24.38	7.46	0.00	0.00	12.06	3.44	12.45	3.56
	5+M	23.63	6.65	25.95	0.00	21.15	6.09	24.07	6.86
	5+L	26.62	7.55	22.89	0.00	21.79	6.20	23.57	6.80
	5+K	0.00	0.00	24.34	0.00	12.22	3.48	12.70	3.63
	6+N	22.87	7.09	0.00	0.00	12.43	3.56	12.41	3.55
	6+M	24.09	6.98	24.98	0.00	23.93	6.86	23.93	6.84
	6+L	24.33	7.01	24.77	0.00	24.04	6.80	23.94	6.84
	6+K	0.00	0.00	22.99	0.00	12.68	3.63	12.66	3.62
	7+N	22.85	7.08	0.00	0.00	12.41	3.55	12.43	3.56

	7+H	24.07	6.97	24.96	0.00	23.93	6.84	23.93	6.86
	7+L	24.31	7.00	24.75	0.00	23.94	6.84	24.04	6.80
	7+K	0.00	0.00	22.97	0.00	12.66	3.62	12.68	3.63
	8+N	24.32	7.44	0.00	0.00	12.45	3.56	12.06	3.44
	8+M	23.58	6.63	25.88	0.00	24.07	6.86	21.15	6.09
	8+L	26.55	7.53	22.83	0.00	23.56	6.80	21.79	6.20
	8+K	0.00	0.00	24.27	0.00	12.71	3.63	12.19	3.46
	9A+N	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	9A+M	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	9A+L	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	9+N	12.07	3.73	0.00	0.00	11.18	3.44	0.00	0.00
	9+M	0.00	0.00	13.11	0.00	19.96	6.09	0.00	3.73
	9+L	13.05	3.70	0.00	0.00	20.05	6.20	0.00	0.00
	9+K	0.00	0.00	11.95	0.00	11.17	3.46	0.00	3.70
13	4+N	13.79	4.23	0.00	0.00	0.00	0.00	12.47	3.71
	4+M	5.96	1.70	14.74	0.00	0.00	0.00	24.92	7.67
	4+L	14.92	4.29	5.97	0.00	0.00	0.00	25.36	7.97
	4+K	0.00	0.00	14.06	0.00	0.00	0.00	13.08	3.84
	5A+N	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	5A+M	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	5A+L	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	5+M	24.05	7.66	0.00	0.00	12.55	3.71	12.23	3.50
	5+M	30.26	8.41	27.67	0.00	26.88	7.67	27.85	7.97
	5+L	29.66	7.99	28.61	0.00	28.46	7.97	27.45	8.00
	5+K	0.00	0.00	24.28	0.00	12.82	3.84	12.15	3.48
	6+N	23.59	7.70	0.00	0.00	12.28	3.50	12.34	3.52
	6+M	27.38	8.06	28.39	0.00	27.93	7.97	27.93	7.98
	6+L	26.54	7.33	29.01	0.00	28.56	8.00	28.63	8.18
	6+K	0.00	0.00	22.95	0.00	12.19	3.48	12.23	3.49
	7+N	23.52	7.68	0.00	0.00	12.34	3.52	12.28	3.50
	7+M	27.31	8.03	28.32	0.00	27.93	7.98	27.93	7.97
	7+L	26.47	7.32	28.93	0.00	28.63	8.18	28.56	8.00
	7+K	0.00	0.00	22.91	0.00	12.23	3.49	12.18	3.47
	8+N	23.85	7.60	0.00	0.00	12.23	3.50	12.55	3.71
	8+M	22.98	8.33	27.43	0.00	27.85	7.97	26.88	7.67
	8+L	29.41	7.93	28.36	0.00	27.45	8.00	28.47	7.97
	8+K	0.00	0.00	24.11	0.00	12.13	3.47	13.01	3.93
	9A+N	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	9A+M	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	9A+L	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	9+N	13.57	4.16	0.00	0.00	12.47	3.71	0.00	0.00
	9+M	5.85	1.67	14.49	0.00	24.92	7.67	0.00	4.16
	9+L	14.81	4.29	5.85	0.00	25.36	7.97	0.00	1.67
	9+K	0.00	0.00	14.17	0.00	13.50	3.93	0.00	4.29
13	4+N	15.68	4.85	0.00	0.00	0.00	0.00	14.38	4.82
	4+M	6.82	1.94	16.94	0.00	0.00	0.00	24.26	7.52
	4+L	16.06	4.52	6.77	0.00	0.00	0.00	24.85	7.77
	4+K	0.00	0.00	14.33	0.00	0.00	0.00	14.49	5.10
	5A+N	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	5A+M	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	5A+L	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	5+M	47.34	13.21	0.00	0.00	18.06	4.82	20.72	5.90
	5+M	33.86	10.00	41.49	0.00	26.32	7.52	27.02	7.67
	5+L	37.61	12.44	36.13	0.00	27.43	7.77	26.35	7.59
	5+K	0.00	0.00	46.08	0.00	19.79	5.10	24.03	6.85
	6+N	40.29	11.06	0.00	0.00	20.55	5.90	20.39	5.82
	6+M	32.73	9.04	34.07	0.00	26.67	7.67	26.67	7.62
	6+L	37.67	12.10	30.53	0.00	26.76	7.59	26.44	7.55
	6+K	0.00	0.00	43.67	0.00	23.94	6.85	23.85	6.81
	7+N	40.20	11.03	0.00	0.00	20.39	5.82	20.55	5.90
	7+M	32.62	9.01	33.96	0.00	26.67	7.62	26.67	7.67
	7+L	37.54	12.05	30.45	0.00	26.44	7.55	26.75	7.58
	7+K	0.00	0.00	43.48	0.00	23.85	6.81	23.96	6.86
	8+N	46.82	13.06	0.00	0.00	20.72	5.90	18.06	4.82
	8+M	33.48	9.88	41.03	0.00	27.02	7.67	26.32	7.52
	8+L	37.16	12.27	35.70	0.00	26.34	7.58	27.41	7.77

	8+K	0.00	0.00	45.39	0.00	24.06	6.85	18.76	4.63
	9A+N	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	9A+M	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	9A+L	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	9+N	15.31	4.74	0.00	0.00	14.38	4.82	0.00	0.00
	9+M	6.71	1.91	16.59	0.00	24.26	7.52	0.00	4.74
	9+L	14.94	4.05	6.68	0.00	24.85	7.77	0.00	1.91
	9+K	0.00	0.00	12.30	0.00	12.35	4.63	0.00	4.05
13	4+N	18.72	5.91	0.00	0.00	0.00	0.00	14.20	5.30
	4+M	9.07	2.63	21.00	0.00	0.00	0.00	22.12	6.96
	4+L	0.00	0.00	9.34	0.00	0.00	0.00	25.29	7.88
	4+K	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	5A+N	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	5A+M	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	5A+L	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	5+N	73.25	19.50	0.00	0.00	21.42	5.30	27.89	8.02
	5+M	38.05	10.96	57.86	0.00	24.65	6.96	24.21	7.04
	5+L	0.00	0.00	38.86	0.00	28.24	7.88	15.71	2.69
	5+K	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	6+N	0.00	0.00	0.00	0.00	28.27	8.02	0.00	0.00
	6+M	0.00	0.00	0.00	0.00	12.35	2.69	0.00	0.00
	6+L	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	6+K	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	7+N	0.00	0.00	0.00	0.00	0.00	0.00	28.27	8.02
	7+M	0.00	0.00	0.00	0.00	9.66	1.94	26.01	7.11
	7+L	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	7+K	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	8+N	69.52	18.49	0.00	0.00	27.89	8.02	21.42	5.30
	8+M	36.06	10.60	54.84	0.00	24.21	7.11	24.65	6.96
	8+L	0.00	0.00	38.24	0.00	0.00	0.00	10.66	1.94
	8+K	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	9A+N	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	9A+M	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	9A+L	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	9+N	16.88	5.32	0.00	0.00	14.20	5.30	0.00	0.00
	9+M	8.18	2.37	18.91	0.00	22.12	6.96	0.00	5.32
	9+L	0.00	0.00	2.40	0.00	25.32	8.18	0.00	2.37
	9+K	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
13	4+N	13.31	4.08	0.00	0.00	0.00	0.00	10.57	3.54
	4+M	14.36	4.11	14.10	0.00	0.00	0.00	18.90	5.85
	4+L	5.75	1.69	14.42	0.00	0.00	0.00	21.75	6.81
	4+K	0.00	0.00	5.58	0.00	0.00	0.00	10.68	3.23
	5A+N	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	5A+M	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	5A+L	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	5+N	42.04	11.57	0.00	0.00	13.26	3.54	15.36	4.39
	5+M	28.69	8.13	35.77	0.00	20.44	5.85	20.95	5.95
	5+L	11.60	3.16	28.26	0.00	24.04	6.81	23.09	6.66
	5+K	0.00	0.00	9.64	0.00	11.07	3.23	11.15	3.20
	6+N	34.65	9.39	0.00	0.00	15.38	4.39	6.06	1.73
	6+M	27.37	7.82	28.49	0.00	20.69	5.95	20.69	5.91
	6+L	9.84	2.78	25.99	0.00	23.52	6.66	23.28	6.65
	6+K	0.00	0.00	8.82	0.00	11.29	3.20	4.49	1.28
	7+N	33.90	9.20	0.00	0.00	6.06	1.73	15.38	4.39
	7+M	26.86	7.49	27.96	0.00	20.69	5.91	20.69	5.95
	7+L	9.67	2.73	25.56	0.00	23.28	6.65	23.51	6.66
	7+K	0.00	0.00	8.66	0.00	4.49	1.28	11.21	3.17
	8+N	39.15	10.81	0.00	0.00	15.36	4.39	13.26	3.54
	8+M	27.13	7.59	33.54	0.00	20.95	5.95	20.44	5.85
	8+L	10.95	2.97	26.68	0.00	23.08	6.66	24.02	6.80
	8+K	0.00	0.00	9.04	0.00	10.99	3.17	14.80	4.94
	9A+N	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	9A+M	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	9A+L	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	9+N	11.97	3.66	0.00	0.00	10.57	3.54	0.00	0.00
	9+M	12.88	3.68	12.67	0.00	18.90	5.85	0.00	3.66

9+L	6.73	2.22	12.91	0.00	21.74	6.80	0.00	3.68
9+K	0.00	0.00	8.17	0.00	18.39	4.94	0.00	2.22

9T50P516.66H510VK3G18D

BİLSAR A.Ş. MÜHENDİSLİK PROGRAMLARI (0212) 221 29 98 . HER HAKKI SAKLIDIR. SADECE TEM MÜHENDİSLİK LTD. TARAFINDAN KULLANILIR

S.S. KARAKÖY PERŞEMBE PAZARI TUCCARLARI TOPLU İŞYERİ YAPI KOOPERATİFİ ELVERİŞSİZ YATAY YÜK KESİT TESİRLERİ

4 AKSI ELVERİŞSİZ KİRİŞ MOMENTLERİ

KAT NO	I	J	ADI	MI	MJ	T
13	4+N	4+M	K1301	1.52	1.84	0.50
	4+L	4+K	K1302	1.84	1.52	0.50
12	4+N	4+M	K1201	3.22	3.52	0.99
	4+L	4+K	K1202	3.52	3.22	0.99
11	4+N	4+M	K1101	4.92	5.48	1.54
	4+L	4+K	K1102	5.48	4.92	1.54
10	4+N	4+M	K1001	6.28	6.85	1.94
	4+M	4+L	K1002	2.82	2.82	0.81
	4+L	4+K	K1001	6.85	6.28	1.94
9	4+N	4+M	K901	7.75	8.28	2.37
	4+M	4+L	K902	3.34	3.34	0.98
	4+L	4+K	K901	8.28	7.75	2.37
8	4+N	4+M	K801	9.04	9.75	2.78
	4+L	4+K	K801A	9.75	9.04	2.78
7	4+N	4+M	K701	10.08	10.67	3.07
	4+M	4+L	K702	4.27	4.27	1.22
	4+L	4+K	K701	10.67	10.07	3.07
6	4+N	4+M	K601	11.05	11.78	3.38
	4+M	4+L	K602	4.74	4.74	1.36
	4+L	4+K	K601	11.79	11.06	3.38
5	4+N	4+M	K501	12.12	13.17	3.75
	4+L	4+K	K501A	13.13	12.07	3.73
4	4+N	4+M	K401	13.79	14.74	4.23
	4+M	4+L	K402	5.96	5.97	1.70
	4+L	4+K	K401	14.92	14.06	4.29
3	4+N	4+M	K301	15.68	16.94	4.85
	4+M	4+L	K302	6.82	6.77	1.94
	4+L	4+K	K301	16.06	14.33	4.52
2	4+N	4+M	K201	18.72	21.00	5.91
	4+M	4+L	K202	9.07	9.34	2.63
1	4+N	4+M	K101	13.31	14.10	4.08
	4+M	4+L	K102	14.36	14.42	4.11
	4+L	4+K	K101	5.75	5.58	1.69

5 AKSI ELVERİŞSİZ KİRİŞ MOMENTLERİ

KAT NO	I	J	ADI	MI	MJ	T
13	5+N	5+M	K1303	2.58	2.98	0.82
	5+M	5+L	K1304	2.91	2.73	0.80
	5+L	5+K	K1303	3.16	2.58	0.85
12	5+N	5+M	K1203	5.84	6.35	1.80
	5+M	5+L	K1204	5.92	5.68	1.66
	5+L	5+K	K1203	6.58	5.84	1.83
11	5+N	5+M	K1103	8.86	9.71	2.74
	5+M	5+L	K1104	9.11	8.72	2.55
	5+L	5+K	K1103	10.10	8.86	2.80
10	5+N	5+M	K1003	11.42	12.43	3.52
	5+M	5+L	K1004	13.00	12.50	3.64
	5+L	5+K	K1003	12.92	11.42	3.59
9	5+N	5+M	K903	14.51	15.58	4.46
	5+M	5+L	K904	16.04	15.52	4.51
	5+L	5+K	K903	16.10	14.51	4.53
8	5+N	5+M	K803	17.13	18.32	5.25
	5+M	5+L	K804	16.77	16.22	4.71
	5+L	5+K	K803	18.87	17.13	5.23
7	5+N	5+M	K703	19.16	20.31	5.85
	5+M	5+L	K704	20.70	20.13	5.83
	5+L	5+K	K703	20.38	19.16	5.93
6	5+N	5+M	K603	21.35	22.96	6.57
	5+M	5+L	K604	23.71	22.92	6.66
	5+L	5+K	K603	23.77	21.35	6.69
5	5+N	5+M	K503	24.38	25.95	7.46
	5+M	5+L	K504	23.63	22.89	6.65
	5+L	5+K	K503	25.62	24.34	7.55
4	5+N	5+M	K403	24.05	27.67	7.66
	5+M	5+L	K404	30.26	28.61	8.41
	5+L	5+K	K403	29.66	24.05	7.99
3	5+N	5+M	K303	47.34	41.49	13.21
	5+M	5+L	K304	33.86	36.13	10.00
	5+L	5+K	K303	37.61	46.08	12.44
2	5+N	5+M	K203	73.25	57.86	19.50
	5+M	5+L	K204	38.05	38.86	10.96
1	5+N	5+M	K103	42.04	35.77	11.57
	5+M	5+L	K104	28.69	28.26	8.13
	5+L	5+K	K103	11.60	9.64	3.16

6 AKSI ELVERİŞSİZ KİRİŞ MOMENTLERİ

KAT NO	I	J	ADI	MI	MJ	T
13	5+N	5+M	K1303	2.58	2.98	0.82

13	6+N	6+M	K1305	2.43	2.94	0.79
	6+M	6+L	K1306	2.84	3.01	0.84
	6+L	6+K	K1305	2.77	2.43	0.77
12	6+N	6+M	K1205	5.50	6.18	1.72
	6+M	6+L	K1206	5.98	6.21	1.74
	6+L	6+K	K1205	5.96	5.50	1.69
11	6+N	6+M	K1105	8.36	9.45	2.63
	6+M	6+L	K1106	9.14	9.50	2.66
	6+L	6+K	K1105	9.09	8.36	2.58
10	6+N	6+M	K1005	10.83	12.27	3.41
	6+M	6+L	K1006	11.87	12.35	3.46
	6+L	6+K	K1005	11.79	10.83	3.34
9	6+N	6+M	K905	13.76	15.30	4.30
	6+M	6+L	K906	14.75	15.26	4.29
	6+L	6+K	K905	14.79	13.76	4.23
8	6+N	6+M	K805	16.17	17.69	5.02
	6+M	6+L	K806	17.06	17.57	4.95
	6+L	6+K	K805	17.19	16.17	4.94
7	6+N	6+M	K705	18.15	19.81	5.62
	6+M	6+L	K706	19.10	19.65	5.54
	6+L	6+K	K705	19.27	18.15	5.54
6	6+N	6+M	K605	20.26	22.56	6.34
	6+M	6+L	K606	21.76	22.52	6.33
	6+L	6+K	K605	21.80	20.23	6.23
5	6+N	6+M	K505	22.87	24.98	7.09
	6+M	6+L	K506	24.09	24.77	6.98
	6+L	6+K	K505	24.23	22.99	7.01
4	6+N	6+M	K405	23.59	28.39	7.70
	6+M	6+L	K406	27.38	29.01	8.06
	6+L	6+K	K405	26.54	23.95	7.32
3	6+N	6+M	K305	40.29	34.07	11.06
	6+M	6+L	K306	32.73	30.53	9.04
	6+L	6+K	K305	37.67	43.67	12.10
1	6+N	6+M	K105	34.65	28.49	9.39
	6+M	6+L	K106	27.37	25.99	7.62
	6+L	6+K	K105	9.84	8.82	2.78

7 AKSI ELVERİŞSİZ KİRİŞ MOMENTLERİ

KAT NO	I	J	ADI	MI	NJ	T
13	7+N	7+M	K1317	2.43	2.94	0.79
	7+M	7+L	K1306	2.84	3.01	0.84
	7+L	7+K	K1305	2.77	2.43	0.77
12	7+N	7+M	K1217	5.50	6.18	1.72
	7+M	7+L	K1206	5.98	6.21	1.74
	7+L	7+K	K1205	5.96	5.50	1.69
11	7+N	7+M	K1117	8.36	9.45	2.63
	7+M	7+L	K1106	9.14	9.50	2.66
	7+L	7+K	K1105	9.09	8.36	2.58

10	7+N	7+M	K1017	10.83	12.27	3.41
	7+M	7+L	K1006	11.87	12.35	3.46
	7+L	7+K	K1005	11.79	10.83	3.34
9	7+N	7+M	K917	13.76	15.30	4.30
	7+M	7+L	K906	14.75	15.25	4.29
	7+L	7+K	K905	14.79	13.76	4.23
8	7+N	7+M	K817	16.17	17.69	5.02
	7+M	7+L	K806	17.06	17.56	4.95
	7+L	7+K	K805	17.19	16.17	4.94
7	7+N	7+M	K717	18.15	19.81	5.62
	7+M	7+L	K706	19.10	19.65	5.54
	7+L	7+K	K705	19.26	18.15	5.54
6	7+N	7+M	K617	20.25	22.55	6.34
	7+M	7+L	K606	21.75	22.51	6.32
	7+L	7+K	K605	21.79	20.23	6.22
5	7+N	7+M	K517	22.85	24.96	7.08
	7+M	7+L	K506	24.07	24.75	6.97
	7+L	7+K	K505	24.31	22.97	7.00
4	7+N	7+M	K417	23.52	28.32	7.68
	7+M	7+L	K406	27.31	28.93	8.03
	7+L	7+K	K405	26.47	22.91	7.32
3	7+N	7+M	K317	40.20	33.96	11.03
	7+M	7+L	K306	32.62	30.45	9.01
	7+L	7+K	K305	37.54	43.48	12.05
1	7+N	7+M	K117	33.90	27.96	9.20
	7+M	7+L	K106	26.86	25.56	7.49
	7+L	7+K	K105	9.67	8.66	2.73

8 AKSI ELVERİŞSİZ KİRİŞ MOMENTLERİ

KAT NO	I	J	ADI	MI	MJ	T
13	8+N	8+M	K1318	2.58	2.98	0.82
	8+M	8+L	K1304	2.91	2.73	0.80
	8+L	8+K	K1303	3.16	2.58	0.85
12	8+N	8+M	K1218	5.84	6.35	1.80
	8+M	8+L	K1204	5.92	5.68	1.66
	8+L	8+K	K1203	6.58	5.84	1.83
11	8+N	8+M	K1118	8.86	9.71	2.74
	8+M	8+L	K1104	9.11	8.72	2.55
	8+L	8+K	K1103	10.10	8.86	2.80
10	8+N	8+M	K1018	11.42	12.43	3.52
	8+M	8+L	K1004	13.00	12.50	3.64
	8+L	8+K	K1003	12.92	11.42	3.59
9	8+N	8+M	K918	14.51	15.57	4.46
	8+M	8+L	K904	16.04	15.52	4.51
	8+L	8+K	K903	16.10	14.51	4.53
8	8+N	8+M	K818	17.13	18.31	5.25
	8+M	8+L	K804	16.77	16.22	4.71
	8+L	8+K	K803	16.86	17.13	5.27

	8+L	8+N	K803	16.86	17.13	5.33
7	8+N	8+M	K718	19.15	20.31	5.85
	8+M	8+L	K704	20.70	20.13	5.83
	8+L	8+K	K703	20.87	19.15	5.93
6	8+N	8+M	K618	21.33	22.94	6.56
	8+M	8+L	K604	23.68	22.89	6.65
	8+L	8+K	K603	23.74	21.34	6.68
5	8+N	8+M	K518	24.32	25.88	7.44
	8+M	8+L	K504	23.58	22.83	6.63
	8+L	8+K	K503	26.55	24.27	7.53
4	8+N	8+M	K418	23.85	27.43	7.60
	8+M	8+L	K404	29.98	28.36	8.33
	8+L	8+K	K403	29.41	24.11	7.93
3	8+N	8+M	K318	46.82	41.03	13.06
	8+M	8+L	K304	33.48	35.70	9.88
	8+L	8+K	K303	37.16	45.39	12.27
2	8+N	8+M	K218	69.52	54.84	18.49
	8+M	8+L	K204	36.06	38.24	10.60
1	8+N	8+M	K118	39.15	33.54	10.81
	8+M	8+L	K104	27.13	26.68	7.69
	8+L	8+K	K103	10.95	9.04	2.97

9 AKSI ELVERİŞSİZ KİRİŞ MOMENTLERİ

KAT NO	I	J	ADI	MI	MJ	T
13	9+N	9+M	K1307	1.52	1.84	0.50
	9+L	9+K	K1308	1.84	1.52	0.50
12	9+N	9+M	K1207	3.22	3.52	0.99
	9+L	9+K	K1208	3.52	3.22	0.99
11	9+N	9+M	K1107	4.92	5.48	1.54
	9+L	9+K	K1108	5.48	4.92	1.54
10	9+N	9+M	K1007	6.28	6.85	1.94
	9+M	9+L	K1008	2.82	2.82	0.81
	9+L	9+K	K1007	6.85	6.28	1.94
9	9+N	9+M	K907	7.75	8.28	2.37
	9+M	9+L	K908	3.34	3.34	0.96
	9+L	9+K	K907	8.28	7.75	2.37
8	9+N	9+M	K807	9.04	9.75	2.78
	9+L	9+K	K807A	9.75	9.04	2.78
7	9+N	9+M	K707	10.07	10.66	3.07
	9+M	9+L	K708	4.27	4.27	1.22
	9+L	9+K	K707	10.66	10.07	3.07
6	9+N	9+M	K607	11.02	11.75	3.37
	9+M	9+L	K608	4.73	4.73	1.35
	9+L	9+K	K607	11.77	11.05	3.38
5	9+N	9+M	K507	12.07	13.11	3.73
	9+L	9+K	K507A	13.05	11.95	3.70

4	9+N	9+M	K407	13.57	14.49	4.16
	9+M	9+L	K408	5.85	5.85	1.67
	9+L	9+K	K407	14.81	14.17	4.29
3	9+N	9+M	K307	15.31	16.59	4.74
	9+M	9+L	K308	6.71	6.68	1.91
	9+L	9+K	K307	14.94	12.30	4.05
2	9+N	9+M	K207	16.88	18.91	5.32
	9+M	9+L	K208	8.16	8.40	2.37
1	9+N	9+M	K107	11.97	12.67	3.66
	9+M	9+L	K108	12.88	12.91	3.68
	9+L	9+K	K107	6.73	8.17	2.22

N AKSI ELVERİŞSİZ KİRİŞ MOMENTLERİ

KAT	I	J	ADI	MI	MJ	T
NO						
13	9+N	8+N	K1309	1.43	1.59	0.45
	8+N	7+N	K1310	1.69	1.68	0.48
	7+N	6+N	K1311	1.67	1.67	0.48
	6+N	5+N	K1310	1.68	1.69	0.48
	5+N	4+N	K1309	1.59	1.43	0.45
12	9+N	8+N	K1209	3.08	3.26	0.93
	8+N	7+N	K1210	3.33	3.33	0.95
	7+N	6+N	K1211	3.33	3.33	0.95
	6+N	5+N	K1210	3.33	3.33	0.95
	5+N	4+N	K1209	3.26	3.08	0.93
11	9+N	8+N	K1109	4.66	4.96	1.42
	8+N	7+N	K1110	5.09	5.09	1.45
	7+N	6+N	K1111	5.08	5.08	1.45
	6+N	5+N	K1110	5.09	5.09	1.45
	5+N	4+N	K1109	4.96	4.66	1.42
10	9+N	8+N	K1009	6.04	6.44	1.84
	8+N	7+N	K1010	6.62	6.61	1.89
	7+N	6+N	K1011	6.60	6.60	1.89
	6+N	5+N	K1010	6.61	6.62	1.89
	5+N	4+N	K1009	6.44	6.04	1.84
9	9+N	8+N	K909	7.45	7.86	2.27
	8+N	7+N	K910	7.98	7.98	2.28
	7+N	6+N	K911	7.97	7.97	2.28
	6+N	5+N	K910	7.98	7.98	2.28
	5+N	4+N	K909	7.86	7.45	2.27
8	9+N	8+N	K809	8.54	8.94	2.59
	8+N	7+N	K810	9.00	9.00	2.57
	7+N	6+N	K811	9.00	9.00	2.57
	6+N	5+N	K810	9.00	9.00	2.57
	5+N	4+N	K809	8.94	8.54	2.59
7	9+N	8+N	K709	9.60	10.06	2.91
	8+N	7+N	K710	10.13	10.13	2.89
	7+N	6+N	K711	10.13	10.13	2.89
	6+N	5+N	K710	10.13	10.13	2.89
	5+N	4+N	K709	10.06	9.60	2.91
6	9+N	8+N	K609	10.46	11.01	3.18
	8+N	7+N	K610	11.15	11.15	3.18

	7+N	6+N	K611	11.15	11.15	3.18
	6+N	5+N	K610	11.15	11.15	3.18
	5+N	4+N	K609	11.01	10.46	3.18
5	9+N	8+N	K509	11.18	12.06	3.44
	8+N	7+N	K510	12.45	12.43	3.56
	7+N	6+N	K511	12.41	12.41	3.55
	6+N	5+N	K510	12.43	12.45	3.56
	5+N	4+N	K509	12.06	11.18	3.44
4	9+N	8+N	K409	12.47	12.55	3.71
	8+N	7+N	K410	12.23	12.28	3.50
	7+N	6+N	K411	12.34	12.34	3.52
	6+N	5+N	K410	12.28	12.23	3.50
	5+N	4+N	K409	12.55	12.47	3.71
3	9+N	8+N	K309	14.38	18.06	4.82
	8+N	7+N	K310	20.72	20.55	5.90
	7+N	6+N	K311	20.39	20.39	5.82
	6+N	5+N	K310	20.55	20.72	5.90
	5+N	4+N	K309	18.06	14.38	4.82
2	9+N	8+N	K209	14.20	21.42	5.30
	8+N	7+N	K210	27.89	28.27	8.02
	6+N	5+N	K210	28.27	27.89	8.02
	5+N	4+N	K209	21.42	14.20	5.30
1	9+N	8+N	K109	10.57	13.26	3.54
	8+N	7+N	K110	15.36	15.38	4.39
	7+N	6+N	K111	6.06	6.06	1.73
	6+N	5+N	K110	15.38	15.36	4.39
	5+N	4+N	K109	13.26	10.57	3.54

M AKSI ELVERİŞSİZ KİRİŞ MOMENTLERİ

KAT NO	I	J	ADI	MI	MJ	T
13	9+N	8+N	K1312	2.31	2.59	0.72
	8+N	7+N	K1313	3.07	3.01	0.87
	7+N	6+N	K1314	3.01	3.01	0.86
	6+N	5+N	K1313	3.01	3.07	0.87
	5+N	4+N	K1312	2.59	2.31	0.72
12	9+N	8+N	K1212	5.12	5.48	1.56
	8+N	7+N	K1213	6.30	6.26	1.79
	7+N	6+N	K1214	6.26	6.26	1.79
	6+N	5+N	K1213	6.26	6.30	1.79
	5+N	4+N	K1212	5.48	5.12	1.56
11	9+N	8+N	K1112	7.84	8.40	2.40
	8+N	7+N	K1113	9.65	9.54	2.74
	7+N	6+N	K1114	9.54	9.54	2.73
	6+N	5+N	K1113	9.54	9.65	2.74
	5+N	4+N	K1112	8.40	7.84	2.40
10	9+N	8+N	K1012	10.85	11.83	3.35
	8+N	7+N	K1013	12.38	12.35	3.53
	7+N	6+N	K1014	12.35	12.35	3.53
	6+N	5+N	K1013	12.35	12.38	3.53
	5+N	4+N	K1012	11.83	10.85	3.35
9	9+N	8+N	K912	13.64	14.71	4.20

	8+M	7+M	K913	15.21	15.21	4.34
	7+M	6+M	K914	15.21	15.21	4.34
	6+M	5+M	K913	15.21	15.21	4.34
	5+M	4+M	K912	14.71	13.64	4.20
8	9+M	8+M	K812	14.86	15.60	4.51
	8+M	7+M	K813	17.58	17.45	5.00
	7+M	6+M	K814	17.45	17.45	4.99
	6+M	5+M	K813	17.45	17.58	5.00
	5+M	4+M	K812	15.60	14.86	4.51
7	9+M	8+M	K712	17.88	19.02	5.47
	8+M	7+M	K713	19.44	19.44	5.55
	7+M	6+M	K714	19.44	19.44	5.55
	6+M	5+M	K713	19.44	19.44	5.55
	5+M	4+M	K712	19.02	17.88	5.47
6	9+M	8+M	K612	19.88	21.39	6.11
	8+M	7+M	K613	22.08	22.09	6.31
	7+M	6+M	K614	22.09	22.09	6.31
	6+M	5+M	K613	22.09	22.08	6.31
	5+M	4+M	K612	21.39	19.88	6.11
5	9+M	8+M	K512	19.96	21.15	6.09
	8+M	7+M	K513	24.07	23.93	6.86
	7+M	6+M	K514	23.93	23.93	6.84
	6+M	5+M	K513	23.93	24.07	6.86
	5+M	4+M	K512	21.15	19.96	6.09
4	9+M	8+M	K412	24.92	26.88	7.67
	8+M	7+M	K413	27.85	27.93	7.97
	7+M	6+M	K414	27.93	27.93	7.98
	6+M	5+M	K413	27.93	27.85	7.97
	5+M	4+M	K412	26.88	24.92	7.67
3	9+M	8+M	K312	24.26	26.32	7.52
	8+M	7+M	K313	27.02	26.67	7.67
	7+M	6+M	K314	26.67	26.67	7.62
	6+M	5+M	K313	26.67	27.02	7.67
	5+M	4+M	K312	26.32	24.26	7.52
2	9+M	8+M	K212	22.12	24.65	6.96
	8+M	7+M	K213	24.21	26.01	7.11
	6+M	5+M	K213	25.83	24.21	7.04
	5+M	4+M	K212	24.65	22.12	6.96
1	9+M	8+M	K112	18.90	20.44	5.85
	8+M	7+M	K113	20.95	20.69	5.95
	7+M	6+M	K114	20.69	20.69	5.91
	6+M	5+M	K113	20.69	20.95	5.95
	5+M	4+M	K112	20.44	18.90	5.85

L AKSI ELVERİŞSİZ KİRİŞ MOMENTLERİ

KAT NO	I	J	ADI	MI	MJ	T
13	9+L	8+L	K1316	2.31	2.71	0.74
	8+L	7+L	K1313	2.95	3.03	0.85
	7+L	6+L	K1314	2.99	2.99	0.85
	6+L	5+L	K1313	3.03	2.95	0.85
	5+L	4+L	K1312	2.71	2.31	0.74
12	9+L	8+L	K1216	5.12	5.65	1.59
	8+L	7+L	K1213	6.12	6.27	1.73
	7+L	6+L	K1214	6.27	6.27	1.73
	6+L	5+L	K1213	6.27	6.12	1.73
	5+L	4+L	K1212	6.12	5.12	1.59

	8+L	7+L	K1213	6.13	6.27	1.77
	7+L	6+L	K1214	6.24	6.24	1.78
	6+L	5+L	K1213	6.27	6.13	1.77
	5+L	4+L	K1212	5.65	5.12	1.59
11	9+L	8+L	K1116	7.84	8.65	2.43
	8+L	7+L	K1113	9.39	9.57	2.71
	7+L	6+L	K1114	9.50	9.50	2.72
	6+L	5+L	K1113	9.57	9.39	2.71
	5+L	4+L	K1112	8.65	7.84	2.43
10	9+L	8+L	K1016	10.85	12.30	3.42
	8+L	7+L	K1013	11.91	12.36	3.47
	7+L	6+L	K1014	12.34	12.34	3.52
	6+L	5+L	K1013	12.36	11.91	3.47
	5+L	4+L	K1012	12.30	10.85	3.42
9	9+L	8+L	K916	13.64	15.23	4.28
	8+L	7+L	K913	14.69	15.21	4.27
	7+L	6+L	K914	15.21	15.21	4.35
	6+L	5+L	K913	15.21	14.69	4.27
	5+L	4+L	K912	15.23	13.64	4.28
8	9+L	8+L	K816	14.87	15.94	4.56
	8+L	7+L	K813	17.24	17.50	4.96
	7+L	6+L	K814	17.42	17.42	4.98
	6+L	5+L	K813	17.50	17.24	4.96
	5+L	4+L	K812	15.94	14.87	4.56
7	9+L	8+L	K716	17.89	19.59	5.55
	8+L	7+L	K713	18.89	19.45	5.48
	7+L	6+L	K714	19.45	19.45	5.56
	6+L	5+L	K713	19.45	18.89	5.48
	5+L	4+L	K712	19.59	17.89	5.55
6	9+L	8+L	K616	19.92	22.18	6.24
	8+L	7+L	K613	21.39	22.14	6.22
	7+L	6+L	K614	22.15	22.15	6.33
	6+L	5+L	K613	22.14	21.39	6.22
	5+L	4+L	K612	22.18	19.92	6.24
5	9+L	8+L	K516	20.05	21.79	6.20
	8+L	7+L	K513	23.56	24.04	6.80
	7+L	6+L	K514	23.94	23.94	6.84
	6+L	5+L	K513	24.04	23.57	6.80
	5+L	4+L	K512	21.79	20.05	6.20
4	9+L	8+L	K416	25.36	28.47	7.97
	8+L	7+L	K413	27.45	28.56	8.00
	7+L	6+L	K414	28.63	28.63	8.18
	6+L	5+L	K413	28.56	27.45	8.00
	5+L	4+L	K412	28.47	25.36	7.97
3	9+L	8+L	K316	24.85	27.41	7.77
	8+L	7+L	K313	26.34	26.75	7.58
	7+L	6+L	K314	26.44	26.44	7.55
	6+L	5+L	K313	26.76	26.35	7.59
	5+L	4+L	K312	27.43	24.85	7.77
2	9+L	8+L	K216	25.32	30.00	8.18
	5+L	4+L	K212A	28.24	25.29	7.88
1	9+L	8+L	K116	21.74	24.02	6.80
	8+L	7+L	K113	23.08	23.51	6.66
	7+L	6+L	K114	23.28	23.28	6.65
	6+L	5+L	K113	23.52	23.09	6.66
	5+L	4+L	K112	24.02	21.74	6.80

K AKSI ELVERİSSİZ KİRİŞ MOMENTLERİ

KAT NO	I	J	ADI	MI	MJ	T
13	9+K	8+K	K1320	1.43	1.59	0.45
	8+K	7+K	K1310	1.69	1.68	0.48
	7+K	6+K	K1311	1.67	1.67	0.48
	6+K	5+K	K1310	1.68	1.69	0.48
	5+K	4+K	K1309	1.59	1.43	0.45
12	9+K	8+K	K1220	3.08	3.26	0.93
	8+K	7+K	K1210	3.33	3.33	0.95
	7+K	6+K	K1211	3.33	3.33	0.95
	6+K	5+K	K1210	3.33	3.33	0.95
	5+K	4+K	K1209	3.26	3.08	0.93
11	9+K	8+K	K1120	4.66	4.96	1.42
	8+K	7+K	K1110	5.09	5.09	1.45
	7+K	6+K	K1111	5.08	5.08	1.45
	6+K	5+K	K1110	5.09	5.09	1.45
	5+K	4+K	K1109	4.96	4.66	1.42
10	9+K	8+K	K1020	6.04	6.44	1.84
	8+K	7+K	K1010	6.62	6.61	1.89
	7+K	6+K	K1011	6.60	6.60	1.89
	6+K	5+K	K1010	6.61	6.62	1.89
	5+K	4+K	K1009	6.44	6.04	1.84
9	9+K	8+K	K920	7.45	7.86	2.27
	8+K	7+K	K910	7.98	7.98	2.28
	7+K	6+K	K911	7.97	7.97	2.28
	6+K	5+K	K910	7.98	7.98	2.28
	5+K	4+K	K909	7.86	7.45	2.27
8	9+K	8+K	K820	8.54	8.94	2.59
	8+K	7+K	K810	9.00	9.00	2.57
	7+K	6+K	K811	9.00	9.00	2.57
	6+K	5+K	K810	9.00	9.00	2.57
	5+K	4+K	K809	8.94	8.54	2.59
7	9+K	8+K	K720	9.61	10.07	2.91
	8+K	7+K	K710	10.15	10.15	2.90
	7+K	6+K	K711	10.14	10.14	2.90
	6+K	5+K	K710	10.15	10.15	2.90
	5+K	4+K	K709	10.07	9.61	2.92
6	9+K	8+K	K620	10.52	11.04	3.20
	8+K	7+K	K610	11.16	11.16	3.19
	7+K	6+K	K611	11.17	11.17	3.19
	6+K	5+K	K610	11.16	11.16	3.19
	5+K	4+K	K609	11.04	10.51	3.19
5	9+K	8+K	K520	11.17	12.19	3.46
	8+K	7+K	K510	12.71	12.68	3.63
	7+K	6+K	K511	12.66	12.66	3.62
	6+K	5+K	K510	12.68	12.70	3.63
	5+K	4+K	K509	12.22	11.26	3.48
4	9+K	8+K	K420	13.50	13.01	3.93
	8+K	7+K	K410	12.13	12.18	3.47
	7+K	6+K	K411	12.23	12.23	3.49
	6+K	5+K	K410	12.13	12.18	3.47

3	9+K	8+K	K320	12.35	18.76	4.63
	8+K	7+K	K310	24.06	23.96	6.86
	7+K	6+K	K311	23.85	23.85	6.81
	6+K	5+K	K310	23.94	24.03	6.85
	5+K	4+K	K309	19.79	14.49	5.10
1	9+K	8+K	K120	18.39	14.80	4.94
	8+K	7+K	K110	10.99	11.21	3.17
	7+K	6+K	K111	4.49	4.49	1.28
	6+K	5+K	K110	11.29	11.15	3.20
	5+K	4+K	K109	11.07	10.68	3.23

E1 AKSI ELVERİŞSİZ KİRİŞ MOMENTLERİ

KAT NO	I	J	ADI	MI	MJ	T
2	6+M	5+L	K210	12.35	15.71	2.69

E2 AKSI ELVERİŞSİZ KİRİŞ MOMENTLERİ

KAT NO	I	J	ADI	MI	MJ	T
2	7+M	8+L	K210A	9.66	10.66	1.94

13. KAT ELVERİŞSİZ KOLON VE PERDE MOMENTLERİ

NO.			MX(UST)	MX(ALT)	TX	MY(UST)	MY(ALT)	TY
1	4	M	1.50	0.87	0.79	1.46	0.85	0.77
2	4	M	1.81	0.45	0.45	2.31	1.50	1.27
3	4	L	1.81	0.45	0.45	2.34	1.51	1.28
4	4	K	1.50	0.87	0.79	1.46	0.85	0.77
5	5	N	2.56	1.74	1.44	3.29	0.96	1.42
6	5	M	5.84	2.41	2.75	5.71	2.40	2.70
7	5	L	5.84	2.41	2.75	5.71	2.40	2.70
8	5	K	2.57	1.75	1.44	3.29	0.96	1.42
9	6	N	2.44	1.65	1.36	3.35	0.98	1.44
10	6	M	5.78	2.52	2.76	6.02	2.70	2.91
11	6	L	5.78	2.52	2.76	6.02	2.70	2.91
12	6	K	2.44	1.65	1.36	3.35	0.98	1.44
13	7	N	2.44	1.65	1.36	3.35	0.98	1.44
14	7	M	5.78	2.52	2.76	6.02	2.70	2.91
15	7	L	5.78	2.52	2.76	6.02	2.70	2.91
16	7	K	2.44	1.65	1.36	3.35	0.98	1.44
17	8	N	2.57	1.75	1.44	3.29	0.96	1.42
18	8	M	5.84	2.41	2.75	5.71	2.40	2.70
19	8	L	5.84	2.41	2.75	5.71	2.40	2.70
20	8	K	2.56	1.74	1.44	3.29	0.96	1.42
21	9	N	1.50	0.87	0.79	1.46	0.85	0.77
22	9	M	1.81	0.45	0.45	2.31	1.50	1.27
23	9	L	1.81	0.45	0.45	2.34	1.51	1.28
24	9	K	1.50	0.87	0.79	1.46	0.85	0.77

12. KAT ELVERİŞSİZ KOLON VE PERDE MOMENTLERİ

NO.			MX(UST)	MX(ALT)	TX	MY(UST)	MY(ALT)	TY
1	4	N	2.30	1.78	1.36	2.28	1.73	1.34
2	4	M	3.90	0.84	1.58	3.62	2.88	2.16
3	4	L	3.90	0.84	1.58	3.70	2.88	2.19
4	4	K	2.30	1.78	1.36	2.28	1.73	1.34
8	5	N	4.05	3.35	2.47	5.66	3.13	2.93
9	5	M	9.76	6.13	5.30	9.48	6.00	5.16
10	5	L	9.76	6.13	5.30	9.48	6.00	5.16
11	5	K	4.07	3.36	2.47	5.66	3.13	2.93
12	6	N	3.87	3.18	2.35	5.67	3.15	2.94
13	6	M	9.64	6.27	5.30	9.82	6.49	5.44
14	6	L	9.64	6.27	5.30	9.82	6.49	5.44
15	6	K	3.87	3.18	2.35	5.67	3.15	2.94
16	7	N	3.87	3.18	2.35	5.67	3.15	2.94
17	7	M	9.64	6.27	5.30	9.82	6.49	5.44
18	7	L	9.64	6.27	5.30	9.82	6.49	5.44
19	7	K	3.87	3.18	2.35	5.67	3.15	2.94
20	8	N	4.07	3.36	2.47	5.66	3.13	2.93
21	8	M	9.76	6.13	5.30	9.48	6.00	5.16
22	8	L	9.76	6.13	5.30	9.48	6.00	5.16
23	8	K	4.05	3.35	2.47	5.66	3.13	2.93
27	9	N	2.30	1.78	1.36	2.28	1.73	1.34
28	9	M	3.90	0.84	1.58	3.62	2.88	2.16
29	9	L	3.90	0.84	1.58	3.70	2.88	2.19
30	9	K	2.30	1.78	1.36	2.28	1.73	1.34

11. KAT ELVERİŞSİZ KOLON VE PERDE MOMENTLERİ

NO.			MX(UST)	MX(ALT)	TX	MY(UST)	MY(ALT)	TY
1	4	N	3.06	2.56	1.87	3.01	2.53	1.85
2	4	M	4.55	2.69	2.41	4.96	4.52	3.16
3	4	L	4.55	2.69	2.41	5.04	4.55	3.20
4	4	K	3.06	2.56	1.87	3.01	2.53	1.85
8	5	N	5.44	4.82	3.42	6.96	4.77	3.91
9	5	M	12.55	9.72	7.43	12.18	9.43	7.20
10	5	L	12.55	9.72	7.43	12.18	9.43	7.20
11	5	K	5.46	4.83	3.43	6.96	4.77	3.91
12	6	N	5.20	4.60	3.27	7.00	4.82	3.94
13	6	M	12.31	9.41	7.24	12.60	9.71	7.44
14	6	L	12.31	9.41	7.24	12.60	9.71	7.44
15	6	K	5.20	4.60	3.27	7.00	4.82	3.94
16	7	N	5.20	4.60	3.27	7.00	4.82	3.94
17	7	M	12.31	9.41	7.24	12.60	9.71	7.44
18	7	L	12.31	9.41	7.24	12.60	9.71	7.44
19	7	K	5.20	4.60	3.27	7.00	4.82	3.94
20	8	N	5.46	4.83	3.43	6.96	4.77	3.91
21	8	M	12.55	9.72	7.43	12.18	9.43	7.20
22	8	L	12.55	9.72	7.43	12.18	9.43	7.20
23	8	K	5.44	4.82	3.42	6.96	4.77	3.91
27	9	N	3.06	2.56	1.87	3.01	2.53	1.85
28	9	M	4.55	2.69	2.41	4.96	4.52	3.16
29	9	L	4.55	2.69	2.41	5.04	4.55	3.20
30	9	K	3.06	2.56	1.87	3.01	2.53	1.85

10. KAT ELVERİŞSİZ KOLON VE PERDE MOMENTLERİ

NO.			MX(UST)	MX(ALT)	TX	MY(UST)	MY(ALT)	TY
1	4	N	3.62	3.09	2.24	3.61	3.10	2.24
2	4	M	6.81	4.92	3.91	6.33	5.63	3.99
3	4	L	6.81	4.92	3.91	6.45	5.70	4.05
4	4	K	3.62	3.09	2.24	3.61	3.10	2.24

8	5	N	8.32	3.74	4.09	8.33	6.38	4.90
9	5	M	15.52	12.44	9.32	14.96	12.07	9.01
10	5	L	15.52	12.44	9.32	14.97	12.07	9.01
11	5	K	6.54	5.76	4.10	8.33	6.38	4.90
12	6	N	6.26	5.51	3.92	8.37	6.41	4.93
13	6	M	14.72	11.75	8.82	15.00	12.06	9.02
14	6	L	14.72	11.75	8.82	15.00	12.06	9.02
15	6	K	6.26	5.51	3.92	8.37	6.40	4.93
16	7	N	6.26	5.51	3.92	8.37	6.41	4.93
17	7	M	14.72	11.75	8.82	15.00	12.06	9.02
18	7	L	14.72	11.75	8.82	15.00	12.06	9.02
19	7	K	6.26	5.51	3.92	8.37	6.40	4.93
20	8	N	6.54	5.76	4.10	8.33	6.38	4.90
21	8	M	15.52	12.44	9.32	14.96	12.07	9.01
22	8	L	15.52	12.44	9.32	14.97	12.07	9.01
23	8	K	6.52	5.74	4.09	8.33	6.38	4.90
27	9	N	3.62	3.09	2.24	3.61	3.10	2.24
28	9	M	6.81	4.92	3.91	6.33	5.63	3.99
29	9	L	6.81	4.92	3.91	6.45	5.70	4.05
30	9	K	3.62	3.09	2.24	3.61	3.10	2.24

9. KAT ELVERİSSİZ KOLON VE PERDE MOMENTLERİ

NO.			MX(ÜST)	MX(ALT)	TX	MY(ÜST)	MY(ALT)	TY
1	4	N	4.54	3.91	2.82	4.47	3.84	2.77
2	4	M	6.50	2.80	3.10	8.01	6.67	4.89
3	4	L	6.50	2.80	3.10	8.11	6.69	4.93
4	4	K	4.54	3.91	2.82	4.47	3.83	2.77
8	5	N	8.67	7.65	5.44	9.52	7.10	5.54
9	5	M	18.96	14.18	11.05	18.07	13.76	10.61
10	5	L	18.96	14.18	11.05	18.07	13.75	10.61
11	5	K	8.69	7.67	5.45	9.52	7.10	5.54
12	6	N	8.28	7.28	5.19	9.52	7.07	5.53
13	6	M	18.28	14.26	10.84	18.37	14.53	10.97
14	6	L	18.28	14.25	10.84	18.37	14.52	10.96
15	6	K	8.28	7.28	5.19	9.52	7.08	5.53
16	7	N	8.28	7.28	5.19	9.52	7.07	5.53
17	7	M	18.28	14.26	10.84	18.37	14.53	10.97
18	7	L	18.28	14.25	10.84	18.37	14.52	10.96
19	7	K	8.28	7.28	5.19	9.52	7.08	5.53
20	8	N	8.69	7.67	5.45	9.52	7.10	5.54
21	8	M	18.96	14.18	11.05	18.07	13.76	10.61
22	8	L	18.96	14.18	11.05	18.07	13.75	10.61
23	8	K	8.67	7.65	5.44	9.52	7.10	5.54
27	9	N	4.54	3.91	2.82	4.47	3.84	2.77
28	9	M	6.50	2.80	3.10	8.01	6.67	4.89
29	9	L	6.50	2.80	3.10	8.11	6.69	4.93
30	9	K	4.54	3.91	2.82	4.47	3.83	2.77

8. KAT ELVERİSSİZ KOLON VE PERDE MOMENTLERİ

NO.			MX(ÜST)	MX(ALT)	TX	MY(ÜST)	MY(ALT)	TY
1	4	N	4.99	4.35	3.11	4.85	4.28	3.04
2	4	M	6.78	4.94	3.91	8.19	7.83	5.34
3	4	L	6.78	4.94	3.91	8.29	7.89	5.39
4	4	K	4.99	4.35	3.11	4.86	4.28	3.05
8	5	N	9.35	8.52	5.96	10.92	8.22	6.38
9	5	M	20.66	17.37	12.68	19.67	16.55	12.07
10	5	L	20.67	17.38	12.68	19.68	16.56	12.08
11	5	K	9.38	8.54	5.97	10.92	8.18	6.37
12	6	N	8.92	8.13	5.68	10.90	8.21	6.37
13	6	M	20.48	16.85	12.44	20.40	16.86	12.42

14	6	L	20.48	16.85	12.43	20.41	16.87	12.43
15	6	K	8.92	8.13	5.68	10.90	8.17	6.36
16	7	N	8.92	8.13	5.68	10.90	8.21	6.37
17	7	M	20.48	16.85	12.44	20.40	16.86	12.42
18	7	L	20.48	16.85	12.45	20.41	16.87	12.43
19	7	K	8.92	8.13	5.68	10.90	8.17	6.36
20	8	N	9.38	8.54	5.97	10.92	8.22	6.38
21	8	M	20.66	17.37	12.68	19.67	16.55	12.07
22	8	L	20.66	17.38	12.68	19.68	16.56	12.08
23	8	K	9.35	8.52	5.96	10.92	8.18	6.36
27	9	N	4.99	4.35	3.11	4.85	4.28	3.04
28	9	M	6.78	4.94	3.91	8.19	7.83	5.34
29	9	L	6.78	4.94	3.91	8.29	7.89	5.39
30	9	K	4.99	4.36	3.12	4.86	4.29	3.05

7. KAT ELVERİŞSİZ KOLON VE PERDE MOMENTLERİ

NO.			MX(ÜST)	MX(ALT)	TX	MY(ÜST)	MY(ALT)	TY
1	4	N	5.57	5.11	3.56	5.48	5.05	3.51
2	4	M	9.74	6.94	5.56	10.05	9.38	6.47
3	4	L	9.74	6.92	5.55	10.22	9.45	6.55
4	4	K	5.57	5.10	3.55	5.49	5.02	3.50
8	5	N	10.50	9.80	6.77	12.05	9.65	7.23
9	5	M	23.37	18.20	13.86	22.20	17.56	13.25
10	5	L	23.36	18.15	13.83	22.21	17.48	13.23
11	5	K	10.53	9.81	6.78	12.12	9.74	7.29
12	6	N	10.05	9.35	6.47	12.01	9.57	7.20
13	6	M	22.05	17.07	13.04	22.04	17.43	13.16
14	6	L	22.04	17.03	13.02	22.05	17.34	13.13
15	6	K	10.06	9.38	6.48	12.09	9.66	7.25
16	7	N	10.05	9.35	6.47	12.01	9.57	7.20
17	7	M	22.04	17.07	13.04	22.04	17.43	13.16
18	7	L	22.04	17.04	13.03	22.05	17.34	13.13
19	7	K	10.06	9.38	6.48	12.09	9.66	7.25
20	8	N	10.53	9.81	6.78	12.05	9.65	7.23
21	8	M	23.36	18.22	13.86	22.20	17.57	13.26
22	8	L	23.35	18.16	13.84	22.21	17.49	13.23
23	8	K	10.50	9.79	6.76	12.12	9.75	7.29
27	9	N	5.57	5.11	3.56	5.48	5.05	3.51
28	9	M	9.74	6.96	5.57	10.05	9.38	6.47
29	9	L	9.74	6.96	5.57	10.21	9.47	6.56
30	9	K	5.55	5.08	3.54	5.48	4.99	3.49

6. KAT ELVERİŞSİZ KOLON VE PERDE MOMENTLERİ

NO.			MX(ÜST)	MX(ALT)	TX	MY(ÜST)	MY(ALT)	TY
1	4	N	5.76	5.34	3.70	5.59	5.35	3.65
2	4	M	9.28	3.91	4.36	10.49	9.26	6.58
3	4	L	9.32	3.92	4.41	10.71	9.30	6.67
4	4	K	5.78	5.40	3.73	5.67	5.48	3.72
8	5	N	11.40	9.99	7.13	12.60	8.10	6.90
9	5	M	28.14	20.31	16.15	26.26	20.37	15.55
10	5	L	28.22	20.62	16.28	26.45	20.55	15.67
11	5	K	11.45	10.03	7.16	12.56	7.29	6.61
12	6	N	10.94	9.66	6.87	12.69	8.42	7.04
13	6	M	27.22	20.87	16.03	26.77	21.74	16.17
14	6	L	27.26	21.02	16.09	26.98	21.97	16.31
15	6	K	10.89	9.50	6.79	12.64	7.59	6.74
16	7	N	10.94	9.66	6.87	12.69	8.42	7.04
17	7	M	27.21	20.88	16.03	26.77	21.74	16.17
18	7	L	27.24	21.02	16.09	26.97	21.96	16.31
19	7	K	10.89	9.50	6.79	12.64	7.60	6.74
20	8	N	11.40	9.99	7.13	12.60	8.10	6.90

20	8	N	11.42	10.01	7.14	12.39	8.10	8.89
21	8	M	28.09	20.33	16.14	26.23	20.37	15.53
22	8	L	28.17	20.63	16.27	26.41	20.54	15.65
23	8	K	11.40	10.02	7.14	12.54	7.24	6.59
27	9	N	5.75	5.34	3.70	5.58	5.35	3.64
28	9	M	9.25	3.82	4.36	10.49	9.26	6.58
29	9	L	9.27	3.87	4.38	10.67	9.30	6.65
30	9	K	5.81	5.52	3.78	5.70	5.60	3.77

5. KAT ELVERİŞSİZ KOLON VE PERDE MOMENTLERİ

NO.			MX(ÜST)	MX(ALT)	TX	MY(ÜST)	MY(ALT)	TY
1	4	N	6.59	5.63	4.07	6.05	4.85	3.63
2	4	M	9.13	4.60	4.58	10.70	9.81	6.84
3	4	L	8.98	4.10	4.36	10.89	9.82	6.87
4	4	K	6.47	5.28	3.92	5.98	4.24	3.40
8	5	N	14.22	15.33	9.85	16.54	17.52	11.36
9	5	M	28.91	18.94	15.95	25.23	14.88	13.37
10	5	L	28.54	17.65	15.40	25.19	13.30	12.82
11	5	K	14.20	15.21	9.81	17.76	19.82	12.53
12	6	N	13.25	13.75	9.00	16.38	16.63	11.00
13	6	M	28.17	16.63	14.93	26.15	14.79	13.65
14	6	L	28.05	16.10	14.71	26.04	12.94	12.99
15	6	K	13.55	14.60	9.38	17.70	19.14	12.28
16	7	N	13.24	13.76	9.00	16.38	16.63	11.00
17	7	M	28.13	16.70	14.94	26.15	14.82	13.66
18	7	L	28.02	16.23	14.75	26.03	12.98	13.00
19	7	K	13.53	14.59	9.37	17.69	19.13	12.27
20	8	N	14.22	15.37	9.86	16.52	17.51	11.34
21	8	M	28.93	19.21	16.01	25.18	15.10	13.42
22	8	L	28.45	17.92	15.46	25.14	13.56	12.89
23	8	K	14.09	15.10	9.73	17.76	19.96	12.57
27	9	N	6.56	5.64	4.07	6.02	4.86	3.63
28	9	M	9.09	4.91	4.66	10.70	9.81	6.84
29	9	L	8.98	4.63	4.54	10.88	9.94	6.94
30	9	K	6.26	4.72	3.66	5.75	3.69	3.14

4. KAT ELVERİŞSİZ KOLON VE PERDE MOMENTLERİ

NO.			MX(ÜST)	MX(ALT)	TX	MY(ÜST)	MY(ALT)	TY
1	4	N	7.90	7.07	4.99	7.91	8.83	5.58
2	4	M	15.65	7.51	7.72	15.10	15.49	10.19
3	4	L	16.34	9.74	8.69	16.30	16.58	10.96
4	4	K	8.51	8.84	5.78	9.13	11.48	6.87
8	5	N	8.50	6.46	0.68	7.46	22.24	5.01
9	5	M	38.49	27.11	21.87	40.41	41.84	27.41
10	5	L	40.13	32.57	24.23	43.16	46.03	29.73
11	5	K	8.94	6.09	1.52	5.35	35.51	10.12
12	6	N	9.88	1.75	2.92	7.97	19.38	3.83
13	6	M	39.09	33.99	24.36	41.12	45.04	28.72
14	6	L	39.42	35.57	25.00	44.29	50.42	31.57
15	6	K	8.40	6.21	1.31	5.25	34.14	9.64
16	7	N	9.81	1.79	2.88	7.95	19.37	3.81
17	7	M	38.90	33.97	24.29	41.06	44.97	28.68
18	7	L	39.16	35.29	24.82	44.23	50.34	31.52
19	7	K	8.38	6.16	1.32	5.24	34.13	9.64
20	8	N	8.40	6.61	0.75	7.36	22.24	5.00
21	8	M	37.91	26.73	21.55	40.00	41.61	27.20
22	8	L	39.56	32.21	23.92	42.77	45.75	29.51
23	8	K	8.86	5.16	1.24	5.31	35.81	10.23
27	9	N	7.78	7.00	4.92	7.78	8.78	5.52
28	9	M	15.17	7.16	7.44	15.10	15.49	10.19
29	9	L	15.70	8.47	8.80	15.63	15.47	10.50
30	9	K	6.47	4.72	3.66	5.75	3.69	3.14

29	9	L	13.78	8.83	8.20	13.83	13.87	10.30
30	9	K	9.32	11.60	6.97	10.02	14.51	8.17

3. KAT ELVERİŞSİZ KOLON VE PERDE MOMENTLERİ

NO.			MX(ÜST)	MX(ALT)	TX	MY(ÜST)	MY(ALT)	TY
1	4	N	8.35	7.78	2.69	5.84	7.21	2.17
2	4	M	15.84	5.86	3.62	8.77	9.65	3.07
3	4	L	12.73	3.22	1.59	9.19	16.64	3.91
4	4	K	5.29	0.64	0.80	3.21	3.81	0.37
8	5	N	53.49	30.49	27.99	61.17	27.08	29.28
9	5	M	47.72	35.37	13.85	12.26	16.20	4.45
10	5	L	40.67	14.38	9.15	8.45	14.01	1.79
11	5	K	51.39	22.73	24.70	79.44	35.15	38.16
12	6	N	41.60	5.08	12.72	60.24	18.27	26.04
13	6	M	32.77	4.92	4.66	8.38	6.72	2.13
14	6	L	32.61	7.93	4.25	2.86	25.21	3.75
15	6	K	49.55	22.15	23.89	81.82	36.30	39.37
16	7	N	41.59	4.46	12.99	60.24	18.01	26.05
17	7	M	32.60	4.50	4.70	8.40	4.79	2.00
18	7	L	32.71	6.74	4.49	2.92	24.72	3.67
19	7	K	49.33	22.31	23.87	81.81	36.33	39.38
20	8	N	53.30	31.83	28.37	61.00	27.81	29.46
21	8	M	47.58	37.39	14.16	12.02	18.01	4.84
22	8	L	40.46	16.22	9.43	8.29	13.99	2.20
23	8	K	50.46	23.11	24.52	78.52	34.84	37.76
27	9	N	8.24	7.88	2.69	5.69	7.34	2.17
28	9	M	15.97	8.18	4.02	8.77	9.65	3.07
29	9	L	12.57	0.71	1.98	9.18	14.16	3.59
30	9	K	0.63	13.21	2.12	2.63	18.09	3.43

2. KAT ELVERİŞSİZ KOLON VE PERDE MOMENTLERİ

NO.			MX(ÜST)	MX(ALT)	TX	MY(ÜST)	MY(ALT)	TY
1	4	N	9.91	11.43	3.56	9.09	9.14	3.04
2	4	M	22.49	41.97	10.74	12.47	13.23	4.28
3	4	L	12.07	36.06	8.02	24.02	31.66	9.25
4	4	K	0.64	6.09	1.11	3.81	9.53	2.21
8	5	N	41.10	68.36	36.49	29.21	87.73	38.29
9	5	M	58.28	84.06	23.72	44.59	56.60	16.88
10	5	L	33.02	68.50	16.92	47.81	71.74	19.92
11	5	K	22.73	3.78	3.48	35.15	20.83	2.56
12	6	N	4.33	53.19	19.03	11.17	78.59	29.79
13	6	M	13.56	63.48	12.84	23.46	42.22	10.94
14	6	L	7.93	56.01	10.60	25.21	59.32	14.08
15	6	K	22.15	3.45	3.43	36.30	18.32	3.02
16	7	N	3.57	51.90	18.31	10.73	78.29	29.61
17	7	M	11.26	61.08	12.06	22.78	41.07	10.64
18	7	L	6.74	54.07	10.06	24.72	58.64	13.89
19	7	K	22.31	3.31	3.51	36.33	18.27	3.04
20	8	N	37.89	64.78	34.20	24.31	85.22	36.24
21	8	M	53.45	78.34	21.97	37.49	48.45	14.32
22	8	L	28.20	63.02	15.20	43.73	66.91	18.43
23	8	K	23.11	1.11	3.67	34.84	21.84	2.48
27	9	N	8.97	10.43	3.23	7.48	7.23	2.45
28	9	M	18.81	37.29	9.35	12.47	13.23	4.28
29	9	L	9.15	32.16	6.88	20.44	23.80	7.37
30	9	K	13.21	28.29	13.83	18.09	35.80	17.96

1. KAT ELVERİŞSİZ KOLON VE PERDE MOMENTLERİ

NO.			HA(UST)	HA(HLT)	TA	HT(UST)	HT(HLT)	TT
1	4	N	1.17	10.83	3.99	4.34	10.48	4.76
2	4	M	15.14	54.02	12.96	5.66	17.47	7.71
3	4	L	17.01	53.08	12.03	19.61	18.12	8.37
4	4	K	0.75	9.90	3.05	3.34	10.66	4.28
8	5	N	27.71	3.96	7.92	57.41	22.66	12.33
9	5	M	21.38	96.43	25.05	19.67	86.36	27.75
10	5	L	29.58	92.37	20.99	28.06	84.31	22.69
11	5	K	7.55	21.90	9.70	2.45	57.96	19.87
12	6	N	18.70	8.10	3.72	56.96	22.10	11.69
13	6	M	7.96	98.26	30.15	6.11	88.32	29.66
14	6	L	20.28	92.13	24.01	13.77	87.24	25.23
15	6	K	7.39	20.94	9.30	2.64	55.81	17.75
16	7	N	17.99	8.33	3.40	56.87	22.13	11.64
17	7	M	6.41	98.36	30.72	4.89	88.39	29.80
18	7	L	18.82	92.18	24.52	12.72	87.34	25.38
19	7	K	7.57	20.92	9.35	2.79	55.78	17.74
20	8	N	25.68	5.40	7.01	56.54	22.84	11.82
21	8	M	17.75	96.50	26.28	16.19	87.20	29.18
22	8	L	25.36	92.75	22.53	24.01	85.39	24.38
23	8	K	7.92	21.48	9.80	5.15	59.18	21.16
27	9	N	1.57	10.78	4.11	4.65	10.59	5.01
28	9	M	11.75	54.17	14.14	5.66	17.47	7.71
29	9	L	12.51	53.79	13.76	15.12	21.52	11.51
30	9	K	20.01	0.18	6.67	17.87	3.96	6.18

DEVİRİME MOMENTLERİ HESABI

Kat No	Yükseklik	X Yönü		Y Yönü	
		Deprem Yükü	Devrilme Momenti	Deprem Yükü	Devrilme Momenti
13	39.000	35.940	1401.650	38.740	1510.860
12	36.000	33.200	1195.200	35.160	1265.760
11	33.000	27.400	904.200	28.070	926.310
10	30.000	25.130	753.900	24.880	746.400
9	27.000	22.930	619.110	22.460	606.420
8	24.000	20.170	484.080	19.810	475.440
7	21.000	20.630	433.230	20.050	421.050
6	18.000	18.660	335.880	17.740	319.320
5	15.000	15.400	231.000	14.480	217.200
4	12.000	15.770	189.240	14.950	179.400
3	9.000	16.050	144.450	15.190	136.710
2	6.000	7.060	42.360	6.440	38.640
1	3.000	2.010	6.030	2.380	7.140
			6740.340		6850.650

DEPREM HESAPLARI

(1. DEPREM KOSULLARI İÇİN HESAP)
1997 DEPREM ŞARTNAMESİ.

1. DEPREM KOŞULLARI İÇİN HESAP (1997 DEP. ŞARTNAMESİ)

9Ts0Ps16.66Hs10Vh36180

BİLSAR A.Ş. MÜHENDİSLİK PROGRAMLARI (0212) 221 29 98 . HER HAKKI SAKLIDIR. SADECE TEM MÜHENDİSLİK LTD. TARAFINDAN KULLANILIR

S.S. KARAKÖY PERŞEMBE PAZARI TUCCARLARI TOPLU İŞYERİ YAPI KOOPERATİFİ 13 . KAT AĞIRLIĞI VE EKSANTRİSİTELER

ADI	KOLON	Kiriş	DÖŞEME	DÖŞEME	TOPLAM	EX	EY	AG * EX	AG * EY
4	N	0.759	3.623	4.013	3.675	12.071	0.000	0.000	0.000
4	M	1.181	5.648	4.013	3.675	14.517	7.000	0.000	101.621
4	L	1.181	5.648	4.013	3.675	14.517	14.000	0.000	203.243
4	K	0.759	3.623	4.013	3.675	12.071	21.000	0.000	253.486
5	N	1.181	7.489	8.300	7.350	24.320	0.000	-7.000	0.000
5	M	1.837	15.469	12.313	11.025	40.645	7.000	-7.000	284.513
5	L	1.837	15.469	12.313	11.025	40.645	14.000	-7.000	569.026
5	K	1.181	7.489	8.300	7.350	24.320	21.000	-7.000	510.721
6	N	1.181	7.518	8.300	7.350	24.349	0.000	-14.000	0.000
6	M	1.837	15.531	16.600	14.700	48.669	7.000	-14.000	340.680
6	L	1.837	15.531	16.600	14.700	48.669	14.000	-14.000	681.359
6	K	1.181	7.518	8.300	7.350	24.349	21.000	-14.000	511.334
7	N	1.181	7.518	8.300	7.350	24.349	0.000	-21.000	0.000
7	M	1.837	15.531	16.600	14.700	48.669	7.000	-21.000	340.680
7	L	1.837	15.531	16.600	14.700	48.669	14.000	-21.000	681.359
7	K	1.181	7.518	8.300	7.350	24.349	21.000	-21.000	511.334
8	N	1.181	7.489	8.300	7.350	24.320	0.000	-28.000	0.000
8	M	1.837	15.469	12.313	11.025	40.645	7.000	-28.000	284.513
8	L	1.837	15.469	12.313	11.025	40.645	14.000	-28.000	569.026
8	K	1.181	7.489	8.300	7.350	24.320	21.000	-28.000	510.721
9	N	0.759	3.623	4.013	3.675	12.071	0.000	-35.000	0.000
9	M	1.181	5.648	4.013	3.675	14.517	7.000	-35.000	101.621
9	L	1.181	5.648	4.013	3.675	14.517	14.000	-35.000	203.243
9	K	0.759	3.623	4.013	3.675	12.071	21.000	-35.000	253.486
		31.912	221.107	214.163	191.100	658.282		6911.966	-11519.941

EX = 10.500
EY = -17.500

S.S. KARAKÖY PERŞEMBE PAZARI TÛCCARLARI TOPLU İŞYERİ YAPI KOOPERATİFİ 12 . KAT AĞIRLIĞI VE EKSANTRİSİTELER

ADI	KOLON	KİRİŞ	DÖŞEME	DÖŞEME	TOPLAM	EX	EY	AG * EX	AG * EY
4	N	1.519	3.623	4.013	3.675	12.830	0.000	0.000	0.000
4	M	2.362	5.648	4.013	3.675	15.699	7.000	0.000	109.890
4	L	2.362	5.648	4.013	3.675	15.699	14.000	0.000	219.780
4	K	1.519	3.623	4.013	3.675	12.830	21.000	0.000	269.433
5	N	2.362	7.489	8.300	7.350	25.501	0.000	-7.000	0.000
5	M	3.675	15.469	12.313	11.025	42.482	7.000	-7.000	297.375
5	L	3.675	15.469	12.313	11.025	42.482	14.000	-7.000	594.751
5	K	2.362	7.489	8.300	7.350	25.501	21.000	-7.000	535.527
6	N	2.362	7.518	8.300	7.350	25.531	0.000	-14.000	0.000
6	M	3.675	15.531	16.600	14.700	50.506	7.000	-14.000	353.542
6	L	3.675	15.531	16.600	14.700	50.506	14.000	-14.000	707.084
6	K	2.362	7.518	8.300	7.350	25.531	21.000	-14.000	536.141
7	N	2.362	7.518	8.300	7.350	25.531	0.000	-21.000	0.000
7	M	3.675	15.531	16.600	14.700	50.506	7.000	-21.000	353.542
7	L	3.675	15.531	16.600	14.700	50.506	14.000	-21.000	707.084
7	K	2.362	7.518	8.300	7.350	25.531	21.000	-21.000	536.141
8	N	2.362	7.489	8.300	7.350	25.501	0.000	-28.000	0.000
8	M	3.675	15.469	12.313	11.025	42.482	7.000	-28.000	297.375
8	L	3.675	15.469	12.313	11.025	42.482	14.000	-28.000	594.751
8	K	2.362	7.489	8.300	7.350	25.501	21.000	-28.000	535.527
9	N	1.519	3.623	4.013	3.675	12.830	0.000	-35.000	0.000
9	M	2.362	5.648	4.013	3.675	15.699	7.000	-35.000	109.890
9	L	2.362	5.648	4.013	3.675	15.699	14.000	-35.000	219.780
9	K	1.519	3.623	4.013	3.675	12.830	21.000	-35.000	269.433
63.825		221.107	214.163	191.100	690.195			7247.047	-12078.411

EX = 10.500
EY = -17.500

S.S. KARAKÖY PERŞEMBE PAZARI TUCARLARI TOPLU İŞYERİ YAPI KOOPERATİFİ 11 . KAT AĞIRLIĞI VE EKSANTRİSİTELER

	ADI	KOLON	KİRİŞ	DÖŞEME	DÖŞEME	TOPLAM	EX	EY	AG * EX	AG * EY
4	N	1.519	3.623	4.013	3.675	12.830	0.000	0.000	0.000	0.000
4	M	2.362	5.648	4.013	3.675	15.699	7.000	0.000	109.890	0.000
4	L	2.362	5.648	4.013	3.675	15.699	14.000	0.000	219.780	0.000
4	K	1.519	3.623	4.013	3.675	12.830	21.000	0.000	269.433	0.000
5	N	2.362	7.489	8.300	7.350	25.501	0.000	-7.000	0.000	-178.509
5	M	3.675	15.469	12.313	11.025	42.482	7.000	-7.000	297.375	-297.375
5	L	3.675	15.469	12.313	11.025	42.482	14.000	-7.000	594.751	-297.375
5	K	2.362	7.489	8.300	7.350	25.501	21.000	-7.000	535.527	-178.509
6	N	2.362	7.518	8.300	7.350	25.531	0.000	-14.000	0.000	-357.427
6	M	3.675	15.531	16.600	14.700	50.506	7.000	-14.000	353.542	-707.084
6	L	3.675	15.531	16.600	14.700	50.506	14.000	-14.000	707.084	-707.084
6	K	2.362	7.518	8.300	7.350	25.531	21.000	-14.000	536.141	-357.427
7	N	2.362	7.518	8.300	7.350	25.531	0.000	-21.000	0.000	-536.141
7	M	3.675	15.531	16.600	14.700	50.506	7.000	-21.000	353.542	-1060.626
7	L	3.675	15.531	16.600	14.700	50.506	14.000	-21.000	707.084	-1060.626
7	K	2.362	7.518	8.300	7.350	25.531	21.000	-21.000	536.141	-536.141
8	N	2.362	7.489	8.300	7.350	25.501	0.000	-28.000	0.000	-714.036
8	M	3.675	15.469	12.313	11.025	42.482	7.000	-28.000	297.375	-1189.502
8	L	3.675	15.469	12.313	11.025	42.482	14.000	-28.000	594.751	-1189.502
8	K	2.362	7.489	8.300	7.350	25.501	21.000	-28.000	535.527	-714.036
9	N	1.519	3.623	4.013	3.675	12.830	0.000	-35.000	0.000	-449.055
9	M	2.362	5.648	4.013	3.675	15.699	7.000	-35.000	109.890	-549.450
9	L	2.362	5.648	4.013	3.675	15.699	14.000	-35.000	219.780	-549.450
9	K	1.519	3.623	4.013	3.675	12.830	21.000	-35.000	269.433	-449.055
		63.025	221.107	214.163	191.100	690.195			7247.047	-12078.411

EX = 10.500
EY = -17.500

S.S. KARAKÖY PERŞEMBE PAZARI TUCCARLARI TOPLU İŞYERİ YAPI KOOPERATİFİ 10 . KAT AĞIRLIĞI VE EKSANTRİSİTELER

ADI	KOLON	KİRİŞ	DÖŞEME	DÖŞEME	TOPLAN	EX	EY	AG * EX	AG * EY
4	N	1.519	3.623	4.013	3.675	12.830	0.000	0.000	0.000
4	M	2.362	6.987	8.300	7.350	24.999	7.000	0.000	174.995
4	L	2.362	6.987	8.300	7.350	24.999	14.000	0.000	349.990
4	K	1.519	3.623	4.013	3.675	12.830	21.000	0.000	269.433
5	N	2.362	7.489	8.300	7.350	25.501	0.000	-7.000	0.000
5	M	3.675	15.469	16.600	14.700	50.444	7.000	-7.000	353.109
5	L	3.675	15.469	16.600	14.700	50.444	14.000	-7.000	706.218
5	K	2.362	7.489	8.300	7.350	25.501	21.000	-7.000	535.527
6	N	2.362	7.518	8.300	7.350	25.531	0.000	-14.000	0.000
6	M	3.675	15.531	16.600	14.700	50.506	7.000	-14.000	353.542
6	L	3.675	15.531	16.600	14.700	50.506	14.000	-14.000	707.084
6	K	2.362	7.518	8.300	7.350	25.531	21.000	-14.000	536.141
7	N	2.362	7.518	8.300	7.350	25.531	0.000	-21.000	0.000
7	M	3.675	15.531	16.600	14.700	50.506	7.000	-21.000	353.542
7	L	3.675	15.531	16.600	14.700	50.506	14.000	-21.000	707.084
7	K	2.362	7.518	8.300	7.350	25.531	21.000	-21.000	536.141
8	N	2.362	7.489	8.300	7.350	25.501	0.000	-28.000	0.000
8	M	3.675	15.469	16.600	14.700	50.444	7.000	-28.000	353.109
8	L	3.675	15.469	16.600	14.700	50.444	14.000	-28.000	706.218
8	K	2.362	7.489	8.300	7.350	25.501	21.000	-28.000	535.527
9	N	1.519	3.623	4.013	3.675	12.830	0.000	-35.000	0.000
9	M	2.362	6.987	8.300	7.350	24.999	7.000	-35.000	174.995
9	L	2.362	6.987	8.300	7.350	24.999	14.000	-35.000	349.990
9	K	1.519	3.623	4.013	3.675	12.830	21.000	-35.000	269.433
		63.825	226.462	248.458	220.500	759.245			7972.076
								-13286.792	

EX = 10.500
EY = -17.500

S.S. KARAKÖY PERŞEMBE PAZARI TUCCARLARI TOPLU İŞYERİ YAPI KOOPERATİFİ 9 . KAT AĞIRLIĞI VE EKSANTRİSİTELER

	ADI	KOLON	KİRİŞ	DÖŞEME	DÖŞEME	TOPLAM	EX	EY	AG * EX	AG * EY
4	N	1.697	3.565	4.013	3.675	12.950	0.000	0.000	0.000	0.000
4	M	2.681	6.874	8.300	7.350	25.206	7.000	0.000	176.440	0.000
4	L	2.681	6.874	8.300	7.350	25.206	14.000	0.000	352.879	0.000
4	K	1.697	3.565	4.013	3.675	12.950	21.000	0.000	271.946	0.000
5	N	2.681	7.368	8.300	7.350	25.700	0.000	-7.000	0.000	-179.898
5	M	4.238	15.221	16.600	14.700	50.759	7.000	-7.000	355.314	-355.314
5	L	4.238	15.221	16.600	14.700	50.759	14.000	-7.000	710.628	-355.314
5	K	2.681	7.368	8.300	7.350	25.700	21.000	-7.000	539.694	-179.898
6	N	2.681	7.398	8.300	7.350	25.729	0.000	-14.000	0.000	-360.205
6	M	4.238	15.283	16.600	14.700	50.821	7.000	-14.000	355.747	-711.494
6	L	4.238	15.283	16.600	14.700	50.821	14.000	-14.000	711.494	-711.494
6	K	2.681	7.398	8.300	7.350	25.729	21.000	-14.000	540.308	-360.205
7	N	2.681	7.398	8.300	7.350	25.729	0.000	-21.000	0.000	-540.308
7	M	4.238	15.283	16.600	14.700	50.821	7.000	-21.000	355.747	-1067.241
7	L	4.238	15.283	16.600	14.700	50.821	14.000	-21.000	711.494	-1067.241
7	K	2.681	7.398	8.300	7.350	25.729	21.000	-21.000	540.308	-540.308
8	N	2.681	7.368	8.300	7.350	25.700	0.000	-28.000	0.000	-719.592
8	M	4.238	15.221	16.600	14.700	50.759	7.000	-28.000	355.314	-1421.256
8	L	4.238	15.221	16.600	14.700	50.759	14.000	-28.000	710.628	-1421.256
8	K	2.681	7.368	8.300	7.350	25.700	21.000	-28.000	539.694	-719.592
9	N	1.697	3.565	4.013	3.675	12.950	0.000	-35.000	0.000	-453.244
9	M	2.681	6.874	8.300	7.350	25.206	7.000	-35.000	176.440	-882.198
9	L	2.681	6.874	8.300	7.350	25.206	14.000	-35.000	352.879	-882.198
9	K	1.697	3.565	4.013	3.675	12.950	21.000	-35.000	271.946	-453.244
		72.863	222.836	248.458	220.500	764.657			8028.900	-13381.502

EX = 10.500
EY = -17.500

S.S. KARAKÖY PERŞEMBE PAZARI TÛCCARLARI TOPLU İŞYERİ YAPI KOOPERATİFİ 8 . KAT AĞIRLIĞI VE EKSANTRİSİTELER

ADI	KOLON	KİRİŞ	DÖŞEME	DÖŞEME	TOPLAM	EX	EY	AG * EX	AG * EY
4 N	1.875	3.565	4.013	3.675	13.128	0.000	0.000	0.000	0.000
4 M	3.000	5.557	4.013	3.675	16.245	7.000	0.000	113.715	0.000
4 L	3.000	5.557	4.013	3.675	16.245	14.000	0.000	227.430	0.000
4 K	1.875	3.565	4.013	3.675	13.128	21.000	0.000	275.687	0.000
5 N	3.000	7.368	8.300	7.350	26.018	0.000	-7.000	0.000	-182.129
5 M	4.800	15.221	12.313	11.025	43.360	7.000	-7.000	303.518	-303.518
5 L	4.800	15.221	12.313	11.025	43.360	14.000	-7.000	607.036	-303.518
5 K	3.000	7.368	8.300	7.350	26.018	21.000	-7.000	546.388	-182.129
6 N	3.000	7.398	8.300	7.350	26.048	0.000	-14.000	0.000	-364.668
6 M	4.800	15.283	16.600	14.700	51.384	7.000	-14.000	359.685	-719.369
6 L	4.800	15.283	16.600	14.700	51.384	14.000	-14.000	719.369	-719.369
6 K	3.000	7.398	8.300	7.350	26.048	21.000	-14.000	547.002	-364.668
7 N	3.000	7.398	8.300	7.350	26.048	0.000	-21.000	0.000	-547.002
7 M	4.800	15.283	16.600	14.700	51.384	7.000	-21.000	359.685	-1079.054
7 L	4.800	15.283	16.600	14.700	51.384	14.000	-21.000	719.369	-1079.054
7 K	3.000	7.398	8.300	7.350	26.048	21.000	-21.000	547.002	-547.002
8 N	3.000	7.368	8.300	7.350	26.018	0.000	-28.000	0.000	-728.517
8 M	4.800	15.221	12.313	11.025	43.360	7.000	-28.000	303.518	-1214.072
8 L	4.800	15.221	12.313	11.025	43.360	14.000	-28.000	607.036	-1214.072
8 K	3.000	7.368	8.300	7.350	26.018	21.000	-28.000	546.388	-728.517
9 N	1.875	3.565	4.013	3.675	13.128	0.000	-35.000	0.000	-459.478
9 M	3.000	5.557	4.013	3.675	16.245	7.000	-35.000	113.715	-568.575
9 L	3.000	5.557	4.013	3.675	16.245	14.000	-35.000	227.430	-568.575
9 K	1.875	3.565	4.013	3.675	13.128	21.000	-35.000	275.687	-459.478
	81.900	217.566	214.163	191.100	704.729			7399.658	-12332.763

EX = 10.500
EY = -17.500

S.S. KARAKÖY PERŞEMBE PAZARI TİCCARLARI TOPLU İŞYERİ YAPI KOOPERATİFİ 7 . KAT AĞIRLIĞI VE EKSANTRİSİTELER

ADI	KOLON	KİRİŞ	DÖŞEME	DÖŞEME	TOPLAM	EX	EY	AG * EX	AG * EY
4	N	1.875	3.565	4.013	3.675	13.128	0.000	0.000	0.000
4	M	3.000	6.874	8.300	7.350	25.524	7.000	0.000	178.671
4	L	3.000	6.874	8.300	7.350	25.524	14.000	0.000	357.342
4	K	1.875	3.565	4.013	3.675	13.128	21.000	0.000	275.687
5	N	3.000	7.368	8.300	7.350	26.018	0.000	-7.000	0.000
5	M	4.800	15.221	16.600	14.700	51.322	7.000	-7.000	359.251
5	L	4.800	15.221	16.600	14.700	51.322	14.000	-7.000	718.503
5	K	3.000	7.368	8.300	7.350	26.018	21.000	-7.000	546.388
6	N	3.000	7.398	8.300	7.350	26.048	0.000	-14.000	0.000
6	M	4.800	15.283	16.600	14.700	51.384	7.000	-14.000	359.685
6	L	4.800	15.283	16.600	14.700	51.384	14.000	-14.000	719.369
6	K	3.000	7.398	8.300	7.350	26.048	21.000	-14.000	547.002
7	N	3.000	7.398	8.300	7.350	26.048	0.000	-21.000	0.000
7	M	4.800	15.283	16.600	14.700	51.384	7.000	-21.000	359.685
7	L	4.800	15.283	16.600	14.700	51.384	14.000	-21.000	719.369
7	K	3.000	7.398	8.300	7.350	26.048	21.000	-21.000	547.002
8	N	3.000	7.368	8.300	7.350	26.018	0.000	-28.000	0.000
8	M	4.800	15.221	16.600	14.700	51.322	7.000	-28.000	359.251
8	L	4.800	15.221	16.600	14.700	51.322	14.000	-28.000	718.503
8	K	3.000	7.368	8.300	7.350	26.018	21.000	-28.000	546.388
9	N	1.875	3.565	4.013	3.675	13.128	0.000	-35.000	0.000
9	M	3.000	6.874	8.300	7.350	25.524	7.000	-35.000	178.671
9	L	3.000	6.874	8.300	7.350	25.524	14.000	-35.000	357.342
9	K	1.875	3.565	4.013	3.675	13.128	21.000	-35.000	275.687
81.900		222.836	248.458	220.500	773.695			8123.794	-13549.658

EX = 10.500
EY = -17.500

S.S. KARAKÖY PERŞEMBE PAZARI TÛCCARLARI TOPLU İŞYERİ YAPI KOOPERATİFİ 6 . KAT AĞIRLIĞI VE EKSANTRİSİTELER

ADI	KOLON	KİRİŞ	DÖŞEME	DÖŞEME	TOPLAM	EX	EY	AG * EX	AG * EY
4	N	1.875	3.535	4.013	3.675	13.099	0.000	0.000	0.000
4	N	3.188	6.807	8.300	7.350	25.645	7.000	0.000	179.516
4	L	3.188	6.807	8.300	7.350	25.645	14.000	0.000	359.032
4	K	1.875	3.535	4.013	3.675	13.099	21.000	0.000	275.073
5	N	3.188	7.294	8.300	7.350	26.131	0.000	-7.000	0.000
5	M	5.438	15.036	16.600	14.700	51.774	7.000	-7.000	362.415
5	L	5.438	15.036	16.600	14.700	51.774	14.000	-7.000	724.829
5	K	3.188	7.294	8.300	7.350	26.131	21.000	-7.000	548.755
6	N	3.188	7.308	8.300	7.350	26.146	0.000	-14.000	0.000
6	M	5.438	15.067	16.600	14.700	51.804	7.000	-14.000	362.631
6	L	5.438	15.067	16.600	14.700	51.804	14.000	-14.000	725.262
6	K	3.188	7.308	8.300	7.350	26.146	21.000	-14.000	549.062
7	N	3.188	7.308	8.300	7.350	26.146	0.000	-21.000	0.000
7	M	5.438	15.067	16.600	14.700	51.804	7.000	-21.000	362.631
7	L	5.438	15.067	16.600	14.700	51.804	14.000	-21.000	725.262
7	K	3.188	7.308	8.300	7.350	26.146	21.000	-21.000	549.062
8	N	3.188	7.294	8.300	7.350	26.131	0.000	-28.000	0.000
8	M	5.438	15.036	16.600	14.700	51.774	7.000	-28.000	362.415
8	L	5.438	15.036	16.600	14.700	51.774	14.000	-28.000	724.829
8	K	3.188	7.294	8.300	7.350	26.131	21.000	-28.000	548.755
9	N	1.875	3.535	4.013	3.675	13.099	0.000	-35.000	0.000
9	M	3.188	6.807	8.300	7.350	25.645	7.000	-35.000	179.516
9	L	3.188	6.807	8.300	7.350	25.645	14.000	-35.000	359.032
9	K	1.875	3.535	4.013	3.675	13.099	21.000	-35.000	275.073
89.250		220.187	248.458	220.500	778.395			8173.150	-13621.919

EX = 10.500
EY = -17.500

S.S. KARAKÖY PERŞEMBE PAZARI TüCCARLARI TOPLU İŞYERİ YAPI KOOPERATİFİ 5 . KAT AĞIRLIĞI VE EKSANTRİSİTELER

ADI	KOLON	KİRİŞ	DÖŞEME	DÖŞEME	TOPLAM	EX	EY	AG * EX	AG * EY
4	N	1.875	3.535	4.013	3.675	13.099	0.000	0.000	0.000
4	M	3.375	5.511	4.013	3.675	16.574	7.000	0.000	116.021
4	L	3.375	5.511	4.013	3.675	16.574	14.000	0.000	232.042
4	K	1.875	3.535	4.013	3.675	13.099	21.000	0.000	275.073
5	N	3.375	7.294	8.300	7.350	26.319	0.000	-7.000	0.000
5	M	6.075	15.036	12.313	11.025	44.449	7.000	-7.000	311.144
5	L	6.075	15.036	12.313	11.025	44.449	14.000	-7.000	622.287
5	K	3.375	7.294	8.300	7.350	26.319	21.000	-7.000	552.693
6	N	3.375	7.308	8.300	7.350	26.333	0.000	-14.000	0.000
6	M	6.075	15.067	16.600	14.700	52.442	7.000	-14.000	367.094
6	L	6.075	15.067	16.600	14.700	52.442	14.000	-14.000	734.187
6	K	3.375	7.308	8.300	7.350	26.333	21.000	-14.000	553.000
7	N	3.375	7.308	8.300	7.350	26.333	0.000	-21.000	0.000
7	M	6.075	15.067	16.600	14.700	52.442	7.000	-21.000	367.094
7	L	6.075	15.067	16.600	14.700	52.442	14.000	-21.000	734.187
7	K	3.375	7.308	8.300	7.350	26.333	21.000	-21.000	553.000
8	N	3.375	7.294	8.300	7.350	26.319	0.000	-28.000	0.000
8	M	6.075	15.036	12.313	11.025	44.449	7.000	-28.000	311.144
8	L	6.075	15.036	12.313	11.025	44.449	14.000	-28.000	622.287
8	K	3.375	7.294	8.300	7.350	26.319	21.000	-28.000	552.693
9	N	1.875	3.535	4.013	3.675	13.099	0.000	-35.000	0.000
9	M	3.375	5.511	4.013	3.675	16.574	7.000	-35.000	116.021
9	L	3.375	5.511	4.013	3.675	16.574	14.000	-35.000	232.042
9	K	1.875	3.535	4.013	3.675	13.099	21.000	-35.000	275.073
96.600		215.002	214.163	191.100	716.865			7527.082	-12545.137

EX = 10.500
EY = -17.500

S.S. KARAKÖY PERŞEMBE PAZARI TUCARLARI TOPLU İŞYERİ YAPI KOOPERATİFİ 4 . KAT AĞIRLIĞI VE EKSANTRİSİTELER

ADI	KOLON	KİRİŞ	DÖŞEME	DÖŞEME	TOPLAM	EX	EY	AG * EX	AG * EY
4 N	1.875	3.535	4.013	3.675	13.099	0.000	0.000	0.000	0.000
4 M	3.375	6.807	8.300	7.350	25.833	7.000	0.000	180.828	0.000
4 L	3.375	6.807	8.300	7.350	25.833	14.000	0.000	361.657	0.000
4 K	1.875	3.535	4.013	3.675	13.099	21.000	0.000	275.073	0.000
5 N	3.375	7.294	8.300	7.350	26.319	0.000	-7.000	0.000	-184.231
5 M	6.075	15.036	16.600	14.700	52.411	7.000	-7.000	366.877	-366.877
5 L	6.075	15.036	16.600	14.700	52.411	14.000	-7.000	733.754	-366.877
5 K	3.375	7.294	8.300	7.350	26.319	21.000	-7.000	552.693	-184.231
6 N	3.375	7.308	8.300	7.350	26.333	0.000	-14.000	0.000	-368.666
6 M	6.075	15.067	16.600	14.700	52.442	7.000	-14.000	367.094	-734.187
6 L	6.075	15.067	16.600	14.700	52.442	14.000	-14.000	734.187	-734.187
6 K	3.375	7.308	8.300	7.350	26.333	21.000	-14.000	553.000	-368.666
7 N	3.375	7.308	8.300	7.350	26.333	0.000	-21.000	0.000	-553.000
7 M	6.075	15.067	16.600	14.700	52.442	7.000	-21.000	367.094	-1101.281
7 L	6.075	15.067	16.600	14.700	52.442	14.000	-21.000	734.187	-1101.281
7 K	3.375	7.308	8.300	7.350	26.333	21.000	-21.000	553.000	-553.000
8 N	3.375	7.294	8.300	7.350	26.319	0.000	-28.000	0.000	-736.924
8 M	6.075	15.036	16.600	14.700	52.411	7.000	-28.000	366.877	-1467.508
8 L	6.075	15.036	16.600	14.700	52.411	14.000	-28.000	733.754	-1467.508
8 K	3.375	7.294	8.300	7.350	26.319	21.000	-28.000	552.693	-736.924
9 N	1.875	3.535	4.013	3.675	13.099	0.000	-35.000	0.000	-458.456
9 M	3.375	6.807	8.300	7.350	25.833	7.000	-35.000	180.828	-904.141
9 L	3.375	6.807	8.300	7.350	25.833	14.000	-35.000	361.657	-904.141
9 K	1.875	3.535	4.013	3.675	13.099	21.000	-35.000	275.073	-458.456
	96.600	220.187	248.458	220.500	785.745			8250.326	-13750.543

EX = 10.500
EY = -17.500

S.S. KARAKÖY PERŞEMBE PAZARI TUCARLARI TOPLU İŞYERİ YAPI KOOPERATİFİ 3 . KAT AĞIRLIĞI VE EKSANTRİSİTELER

ADI	KOLON	KİRİŞ	DÖŞEME	DÖŞEME	TOPLAM	EX	EY	AG * EX	AG * EY
4	N	3.206	3.477	4.013	3.675	14.372	0.000	0.000	0.000
4	M	5.813	6.695	8.300	7.350	28.158	7.000	0.000	197.104
4	L	5.813	6.695	8.300	7.350	28.158	14.000	0.000	394.209
4	K	3.206	3.477	4.013	3.675	14.372	21.000	0.000	301.803
5	N	3.750	7.173	8.300	7.350	26.573	0.000	-7.000	0.000
5	M	10.538	14.788	16.600	14.700	56.626	7.000	-7.000	396.382
5	L	10.538	14.788	16.600	14.700	56.626	14.000	-7.000	792.764
5	K	3.750	7.173	8.300	7.350	26.573	21.000	-7.000	558.041
6	N	3.750	7.188	8.300	7.350	26.588	0.000	-14.000	0.000
6	M	10.538	14.819	16.600	14.700	56.657	7.000	-14.000	396.599
6	L	10.538	14.819	16.600	14.700	56.657	14.000	-14.000	793.197
6	K	3.750	7.188	8.300	7.350	26.588	21.000	-14.000	558.348
7	N	3.750	7.188	8.300	7.350	26.588	0.000	-21.000	0.000
7	M	10.538	14.819	16.600	14.700	56.657	7.000	-21.000	396.599
7	L	10.538	14.819	16.600	14.700	56.657	14.000	-21.000	793.197
7	K	3.750	7.188	8.300	7.350	26.588	21.000	-21.000	558.348
8	N	3.750	7.173	8.300	7.350	26.573	0.000	-28.000	0.000
8	M	10.538	14.788	16.600	14.700	56.626	7.000	-28.000	396.382
8	L	10.538	14.788	16.600	14.700	56.626	14.000	-28.000	792.764
8	K	3.750	7.173	8.300	7.350	26.573	21.000	-28.000	558.041
9	N	3.206	3.477	4.013	3.675	14.372	0.000	-35.000	0.000
9	M	5.813	6.695	8.300	7.350	28.158	7.000	-35.000	197.104
9	L	5.813	6.695	8.300	7.350	28.158	14.000	-35.000	394.209
9	K	3.206	3.477	4.013	3.675	14.372	21.000	-35.000	301.803
150.375		216.561	248.458	220.500	835.895			8776.895	-14628.156

EX = 10.500
EY = -17.500

S.S. KARAKÖY PERŞEMBE PAZARI TUCCARLARI TOPLU İŞYERİ YAPI KOOPERATİFİ 2 . KAT AĞIRLIĞI VE EKSANTRİSİTELER

	ADI	KOLON	KİRİŞ	DÖŞEME	DÖŞEME	TOPLAM	EX	EY	AG * EX	AG * EY
4	N	4.538	3.477	1.194	1.404	10.613	0.000	0.000	0.000	0.000
4	M	8.250	6.695	2.388	2.809	20.142	7.000	0.000	140.994	0.000
4	L	8.250	4.957	1.194	1.404	15.805	14.000	0.000	221.270	0.000
4	K	4.538	0.000	0.000	0.000	4.538	21.000	0.000	95.288	0.000
5A	N	0.000	3.266	3.477	3.675	10.418	0.000	-2.675	0.000	-27.869
5A	M	0.000	6.635	6.947	7.350	20.932	7.000	-2.675	146.525	-55.994
5A	L	0.000	3.369	3.470	3.675	10.514	14.000	-2.675	147.196	-28.125
5	N	4.125	7.173	6.571	5.946	23.815	0.000	-7.000	0.000	-166.703
5	M	15.000	20.710	8.847	8.216	52.774	7.000	-7.000	369.415	-369.415
5	L	15.000	18.611	2.276	2.271	38.158	14.000	-7.000	534.211	-267.105
5	K	6.188	0.000	0.000	0.000	6.188	21.000	-7.000	129.938	-43.313
6	N	4.125	1.753	4.288	3.675	13.841	0.000	-14.000	0.000	-193.777
6	M	15.000	14.930	4.288	3.675	37.893	7.000	-14.000	265.249	-530.497
6	L	15.000	0.000	0.000	0.000	15.000	14.000	-14.000	210.000	-210.000
6	K	6.188	0.000	0.000	0.000	6.188	21.000	-14.000	129.938	-86.625
7	N	4.125	1.753	4.288	3.675	13.841	0.000	-21.000	0.000	-290.666
7	M	15.000	14.540	4.288	3.675	37.503	7.000	-21.000	262.523	-787.570
7	L	15.000	0.000	0.000	0.000	15.000	14.000	-21.000	210.000	-315.000
7	K	6.188	0.000	0.000	0.000	6.188	21.000	-21.000	129.938	-129.938
8	N	4.125	7.173	6.571	5.946	23.815	0.000	-28.000	0.000	-666.814
8	M	15.000	20.710	8.854	8.216	52.780	7.000	-28.000	369.461	-1477.845
8	L	15.000	18.222	2.283	2.271	37.775	14.000	-28.000	528.853	-1057.707
8	K	6.188	0.000	0.000	0.000	6.188	21.000	-28.000	129.938	-173.250
9A	N	0.000	3.266	3.477	3.675	10.418	0.000	-32.325	0.000	-336.767
9A	M	0.000	6.635	6.954	7.350	20.939	7.000	-32.325	146.572	-676.847
9A	L	0.000	3.369	3.477	3.675	10.521	14.000	-32.325	147.289	-340.080
9	N	4.538	3.477	1.194	1.404	10.613	0.000	-35.000	0.000	-371.454
9	M	8.250	6.695	2.388	2.809	20.142	7.000	-35.000	140.994	-704.969
9	L	8.250	4.957	1.194	1.404	15.805	14.000	-35.000	221.270	-553.175
9	K	3.403	0.000	0.000	0.000	3.403	21.000	-35.000	71.466	-119.109
		211.266	182.373	89.909	88.200	571.747			4748.325	-9980.614

EX = 8.305
EY = -17.456

S.S. KARAKÖY PERŞEMBE PAZARI TİCCARLARI TOPLU İŞYERİ YAPI KOOPERATİFİ 1 . KAT AĞIRLIĞI VE EKSANTRİSİTELER

ADI	KOLON	Kiriş	DÖŞEME	DÖŞEME	TOPLAM	EX	EY	AG * EX	AG * EY
4	N	4.538	3.477	1.198	1.404	10.617	0.000	0.000	0.000
4	M	8.250	7.173	2.396	2.809	20.628	7.000	0.000	144.396
4	L	8.250	6.699	5.211	5.079	25.240	14.000	0.000	353.354
4	K	4.538	3.003	4.013	3.675	15.229	21.000	0.000	319.800
5A	N	0.000	3.266	3.481	3.675	10.422	0.000	-2.675	0.000
5A	M	0.000	6.635	6.955	7.350	20.940	7.000	-2.675	146.580
5A	L	0.000	3.369	3.474	3.675	10.518	14.000	-2.675	147.251
5	N	6.188	7.173	6.296	5.946	25.602	0.000	-7.000	0.000
5	M	15.000	14.788	12.552	11.891	54.232	7.000	-7.000	379.623
5	L	15.000	13.784	14.263	13.296	56.343	14.000	-7.000	788.799
5	K	8.250	6.169	8.007	7.350	29.776	21.000	-7.000	625.292
6	N	6.188	6.710	7.993	7.350	28.241	0.000	-14.000	0.000
6	M	15.000	14.819	15.954	14.700	60.473	7.000	-14.000	423.311
6	L	15.000	13.815	15.934	14.700	59.449	14.000	-14.000	832.290
6	K	8.250	5.706	7.974	7.350	29.279	21.000	-14.000	614.867
7	N	6.188	6.710	7.993	7.350	28.241	0.000	-21.000	0.000
7	M	15.000	14.819	15.954	14.700	60.473	7.000	-21.000	423.311
7	L	15.000	13.815	15.954	14.700	59.469	14.000	-21.000	832.565
7	K	8.250	5.706	7.993	7.350	29.299	21.000	-21.000	615.280
8	N	6.188	7.173	6.296	5.946	25.602	0.000	-28.000	0.000
8	M	15.000	14.788	12.559	11.891	54.238	7.000	-28.000	379.669
8	L	15.000	13.784	14.289	13.296	56.369	14.000	-28.000	789.167
8	K	8.250	6.169	8.026	7.350	29.795	21.000	-28.000	625.705
9A	N	0.000	3.266	3.481	3.675	10.422	0.000	-32.325	0.000
9A	M	0.000	6.635	6.962	7.350	20.947	7.000	-32.325	146.627
9A	L	0.000	3.369	3.481	3.675	10.525	14.000	-32.325	147.344
9	N	4.538	3.477	1.198	1.404	10.617	0.000	-35.000	0.000
9	M	8.250	7.173	2.396	2.809	20.628	7.000	-35.000	144.396
9	L	8.250	6.699	5.211	5.079	25.240	14.000	-35.000	353.354
9	K	3.403	3.003	4.013	3.675	14.094	21.000	-35.000	295.978

227.766 233.172 231.509 220.500 912.947

9528.956 -15957.603

EX = 10.438

EY = -17.479

S.S. KARAKÖY PERŞEMBE PAZARI TUCCARLARI TOPLU İŞYERİ YAPI KOOPERATİFİ 6N DEPREM YÜKLERİ

Toplam Yapı Ağırlığı = 9642.59
Fiktif Deprem KatSayısı X ve Y Yönü = 0.10
Yatay Yükler X ve Y Yönü = 964.26

KAT	H	W	WH	FX	FY
13	39.00	658.28	25673.01	125.18	125.18
12	36.00	690.20	24847.02	121.15	121.15
11	33.00	690.20	22776.44	111.05	111.05
10	30.00	759.25	22777.36	111.06	111.06
9	27.00	764.66	20645.75	100.66	100.66
8	24.00	704.73	16913.50	82.47	82.47
7	21.00	773.69	16247.59	79.22	79.22
6	18.00	778.40	14011.12	68.31	68.31
5	15.00	716.87	10752.98	52.43	52.43
4	12.00	785.75	9428.95	45.97	45.97
3	9.00	835.89	7523.05	36.68	36.68
2	6.00	571.75	3430.48	16.73	16.73
1	3.00	912.95	2738.84	13.35	13.35

S.S. KARAKÖY PERŞEMBE PAZARI TUCCARLARI TOPLU İŞYERİ YAPI KOOPERATİFİ YATAY YÜKLERE GÖRE HESAP

KAT DEPLASMANLARI

KAT NO	DX(X)	TETA(X)	DY(X)	DX(Y)	TETA(Y)	DY(Y)
13	0.11737	-0.00007	0.00042	-0.01151	0.00064	0.09261
12	0.11571	-0.00007	0.00042	-0.01151	0.00064	0.09107
11	0.11275	-0.00007	0.00042	-0.01151	0.00064	0.08832
10	0.10851	-0.00007	0.00042	-0.01151	0.00064	0.08434
9	0.10303	-0.00007	0.00042	-0.01150	0.00064	0.07915
8	0.09702	-0.00007	0.00042	-0.01150	0.00064	0.07345
7	0.09016	-0.00007	0.00042	-0.01150	0.00064	0.06694
6	0.08250	-0.00007	0.00042	-0.01149	0.00064	0.05965
5	0.07437	-0.00007	0.00042	-0.01145	0.00064	0.05198
4	0.06542	-0.00007	0.00041	-0.01133	0.00063	0.04366
3	0.05518	-0.00007	0.00038	-0.01094	0.00061	0.03432
2	0.03034	-0.00005	0.00028	-0.00852	0.00047	0.01847
1	0.00472	-0.00000	0.00002	-0.00042	0.00002	0.00382

X YÖNÜNDE T = 1.754 SN. Sx = 0.609 Sx/R = 0.076 hesaplandı. 0.100 alındı.

Y YÖNÜNDE T = 1.600 SN. Sy = 0.655 Sy/R = 0.100

DEPREM YÜKLERİ

Etkin Yer ivmesi KatSayısı = 0.40
Yapı önem KatSayısı = 1.00
Zemin Cinsi = 1
Davranış KatSayısı = 8.00
Toplam Yapı Ağırlığı = 9642.59

Deprem Katsayıları X Yönü = 0.04 Y Yönü = 0.04
Yatay Yükler X Yönü = 385.70 Y Yönü = 385.70
Tepe Kuvvetleri X Yönü = 47.35 Y Yönü = 43.20

KAT	H	W	WH	FX	FY
13	39.00	658.28	25673.01	91.27	87.66
12	36.00	690.20	24847.02	42.51	43.03
11	33.00	690.20	22776.44	38.97	39.45
10	30.00	759.25	22777.36	38.97	39.45
9	27.00	764.66	20645.75	35.32	35.76
8	24.00	704.73	16913.50	28.94	29.29
7	21.00	773.69	16247.59	27.80	28.14
6	18.00	778.40	14011.12	23.97	24.27
5	15.00	716.87	10752.98	18.40	18.62
4	12.00	785.75	9428.95	16.13	16.33
3	9.00	835.89	7523.05	12.87	13.03
2	6.00	571.75	3430.48	5.87	5.94
1	3.00	912.95	2738.84	4.69	4.74

KOLON HESAPLARI

1.66H102K05002K PROGRAMLARI (0212) 221 29 98 . HER HAKKI SAKLIDIR. SADECE TEM MÜHENDİSLİK LTD. TARAFINDAN KULLANILIR

S.S. KARAKÖY PERŞEMBE PAZARI TüCCARLARI TOPLU İŞYERİ YAPI KOOPERATİFİ 1.KAT KOLON BİLGİLERİ

KOLON		B	D	GDNK QDNK	GDYU QDYU	GDYA QDYA	GDYU QDYU	GDYA QDYA	YNX	YMXU	YMXA	YNY	YNYU	YNYA	G. Cap	G. Ara
4	N	0.55	0.55	130.58 67.88	-2.07 -1.16	-1.04 -0.58	4.92 2.85	2.46 1.42	52.51	0.10	14.44	-48.54	4.04	13.98	0	0
4	M	1.00	0.55	231.71 121.22	0.03 1.43	0.01 0.72	11.25 7.19	5.63 3.60	-32.88	15.43	72.02	-83.22	4.73	23.29	0	0
4	L	1.00	0.55	219.51 111.64	1.25 1.45	0.63 0.73	8.22 6.03	4.11 3.01	21.45	18.26	70.78	-87.27	23.08	24.16	0	0
4	K	0.55	0.55	120.35 65.77	1.28 0.48	0.64 0.24	3.12 2.78	1.56 1.39	-41.08	0.19	13.20	-41.68	2.88	14.21	0	0
5	N	0.55	1.00	246.61 137.51	-3.01 -2.14	-1.51 -1.07	-0.11 2.85	-0.06 1.42	120.53	34.04	5.28	-6.23	72.03	30.21	0	0
5	M	1.00	1.00	501.65 283.85	-2.90 -6.81	-1.45 -3.41	-5.34 -6.99	-2.67 -3.50	-21.17	19.32	128.57	-4.30	16.05	115.15	0	0
5	L	1.00	1.00	487.70 270.45	5.57 7.03	2.78 3.51	-3.72 -7.31	-1.86 -3.65	-15.75	31.75	123.16	8.90	29.09	112.41	0	0
5	K	0.55	1.00	230.13 134.51	2.30 1.44	1.15 0.72	-0.47 -4.12	-0.23 -2.06	-83.60	7.46	29.20	-2.16	-4.02	77.26	0	0
6	N	0.55	1.00	247.82 147.14	-3.83 -3.11	-1.91 -1.55	-2.71 -3.20	-1.36 -1.60	86.77	23.58	10.81	14.34	71.66	29.47	0	0
6	M	1.00	1.00	496.98 304.16	-2.83 -8.35	-1.41 -4.13	-2.92 -5.23	-1.46 -2.61	-4.78	-0.44	131.01	9.59	-2.72	117.76	0	0
6	L	1.00	1.00	474.42 298.02	4.00 8.61	2.00 4.31	-2.96 -5.23	-1.48 -2.61	-3.95	18.23	122.84	-0.70	9.10	116.32	0	0
6	K	0.55	1.00	237.54 147.55	4.98 4.53	2.49 2.27	-3.47 -4.16	-1.73 -2.08	-78.04	7.37	27.92	2.61	-2.99	74.41	0	0
7	N	0.55	1.00	242.81 137.95	-3.83 -3.11	-1.91 -1.55	2.49 2.92	1.24 1.46	86.44	22.74	11.11	-14.34	71.56	29.51	0	0
7	M	1.00	1.00	483.52 296.78	-2.83 -8.35	-1.41 -4.18	2.66 4.86	1.33 2.43	-4.71	-2.72	131.15	-9.68	-4.41	117.86	0	0
7	L	1.00	1.00	473.33 296.72	4.00 8.61	2.00 4.31	2.69 4.86	1.35 2.43	-3.86	16.10	122.91	0.71	7.65	116.45	0	0
7	K	0.55	1.00	226.51 133.52	4.98 4.53	2.49 2.27	3.19 3.80	1.59 1.90	-77.88	7.61	27.90	-2.58	-2.79	74.38	0	0
8	N	0.55	1.00	269.21 158.93	-3.02 -2.15	-1.51 -1.07	-0.38 -3.13	-0.19 -1.56	117.85	31.67	7.20	6.23	71.06	30.46	0	0

8	H	1.00	1.00	480.19 282.30	-2.90 -6.82	-1.43 -3.41	4.20 6.35	2.10 3.17	-19.87 -14.03	-128.66 -4.39	10.87 116.28	0 0	0 0
8	L	1.00	1.00	487.93 277.83	5.57 7.03	2.79 3.52	2.80 6.67	1.40 3.34	-14.98 25.55	123.67 -9.30	23.07 113.86	0 0	0 0
8	K	0.55	1.00	240.57 147.50	2.30 1.44	1.15 0.72	-0.22 -3.97	-0.11 -1.98	-83.00 7.95	28.64 0.38	-0.90 78.92	0 0	0 0
9	N	0.55	0.55	133.17 72.04	-1.64 -1.04	-0.82 -0.52	-4.95 -2.88	-2.48 -1.44	50.92 0.58	14.37 48.54	4.36 14.12	0 0	0 0
9	M	1.00	0.55	215.10 120.52	0.11 1.44	0.05 0.72	-11.33 -7.27	-5.67 -3.64	-32.30 10.48	72.23 83.22	4.73 23.29	0 0	0 0
9	L	1.00	0.55	219.89 121.44	1.19 1.42	0.59 0.71	-8.37 -6.22	-4.18 -3.11	22.49 11.64	71.71 87.66	15.93 28.69	0 0	0 0
9	K	0.55	0.55	116.94 66.91	0.75 0.35	0.38 0.17	-2.61 -2.37	-1.31 -1.18	-41.11 24.90	0.24 43.42	21.56 5.28	0 0	0 0

S.S. KARAKÖY PERŞEMBE PAZARI TUCARLARI TOPLU İŞYERİ YAPI KOOPERATİFİ 2.KAT KOLON BİLGİLERİ

KOLON	B	D	GDMK QDMK	GDMXU QDMXU	GDMXA QDMXA	GDMYU QDMYU	GDMYA QDMYA	YNX	YMXU	YMXA	YNY	YMYU	YMYA	G. Cap	G. Ara
4	N	0.55 0.55	118.39 62.58	-1.42 -0.80	1.04 0.58	0.00 0.00	-2.46 -1.42	47.08	11.91	13.94	-43.82	12.12	11.07	0	0
4	M	1.00 0.55	204.85 108.21	0.39 1.10	-0.01 -0.72	7.44 4.81	-5.63 -3.60	-32.93	26.05	52.03	-75.42	15.06	16.07	0	0
4	L	1.00 0.55	197.73 100.81	1.73 1.12	-0.63 -0.73	3.69 1.85	-4.11 -3.01	24.69	13.96	45.14	-78.19	28.63	38.82	0	0
4	K	0.55 0.55	110.98 60.78	0.00 0.00	-0.64 -0.24	0.00 0.00	-1.56 -1.39	-38.84	0.85	7.82	-37.36	5.08	11.90	0	0
5	N	0.55 1.00	225.25 126.68	-3.00 -2.17	3.01 2.14	0.00 0.00	0.11 -2.85	105.10	41.42	77.77	-5.09	38.95	102.94	0	0
5	M	1.00 1.00	457.06 259.30	-1.71 2.41	1.45 3.41	-2.61 -5.17	2.67 3.50	-16.59	69.01	103.38	-4.17	53.28	69.28	0	0
5	L	1.00 1.00	446.52 246.25	5.55 2.04	-2.78 -3.51	-5.11 -2.34	1.86 3.65	-9.12	37.82	85.13	8.70	56.46	88.35	0	0
5	K	0.55 1.00	211.00 122.83	0.00 0.00	-1.15 -0.72	0.00 0.00	0.23 2.06	-79.39	30.31	4.12	-2.20	46.86	26.83	0	0
6	N	0.55 1.00	227.03 134.94	0.00 0.00	3.83 3.11	0.00 0.00	2.71 3.20	74.25	5.77	63.94	10.72	14.83	93.66	0	0
6	M	1.00 1.00	455.64 279.22	0.00 0.00	1.41 4.18	-6.24 -3.35	1.46 2.61	-2.43	18.06	79.93	9.34	27.26	52.28	0	0
6	L	1.00 1.00	434.48 273.26	0.00 0.00	-2.00 -4.31	0.00 0.00	1.48 2.61	2.51	10.58	70.79	-0.71	33.61	73.54	0	0
6	K	0.55 1.00	218.66 135.33	0.00 0.00	-2.49 -2.27	0.00 0.00	1.73 2.08	-74.34	29.53	3.68	0.05	48.40	23.32	0	0
7	N	0.55 1.00	222.91 126.89	0.00 0.00	3.83 3.11	3.80 3.16	-2.49 -2.92	74.18	4.75	62.48	-10.79	3.46	93.54	0	0
7	M	1.00 1.00	443.05 273.09	0.00 0.00	1.41 4.18	0.00 0.00	-1.33 -2.43	-2.43	15.02	77.02	-9.63	30.38	50.86	0	0
7	L	1.00 1.00	434.27 273.23	0.00 0.00	-2.00 -4.31	0.00 0.00	-1.35 -2.43	2.49	8.99	68.41	0.72	32.96	73.09	0	0
7	K	0.55 1.00	208.50 122.46	0.00 0.00	-2.49 -2.27	0.00 0.00	-1.59 -1.90	-74.24	29.75	3.48	-0.06	48.44	23.24	0	0
8	N	0.55 1.00	247.20 147.14	-2.99 -2.17	3.02 2.15	-0.25 -3.16	0.38 3.13	103.44	37.97	73.83	5.09	19.13	100.35	0	0
8	M	1.00 1.00	435.46 257.00	-2.34 2.47	1.45 3.41	0.00 0.00	-2.10 -3.17	-15.71	63.21	96.40	4.26	49.99	59.35	0	0
8	L	1.00 1.00	447.11 253.94	6.19 2.18	-2.79 -3.52	4.86 2.15	-1.40 -3.34	-8.70	32.03	78.46	-9.10	51.55	82.45	0	0
8	K	0.55 1.00	221.52	0.00	-1.15	0.00	0.11	-79.04	30.81	0.50	2.73	46.46	28.22	0	0

273

				135.89	0.00	-0.72	0.00	1.98								
9	N	0.55	0.55	121.04	-1.08	0.82	-3.36	2.48	46.03	10.77	12.72	43.82	9.07	8.75	0	0
				66.44	-0.69	0.52	-1.96	1.44								
9	N	1.00	0.55	188.24	0.44	-0.05	0.00	5.67	-32.32	21.65	46.29	75.42	16.63	16.07	0	0
				106.79	1.10	-0.72	0.00	3.64								
9	L	1.00	0.55	197.72	1.49	-0.59	-3.71	4.18	24.45	10.36	40.35	78.59	24.56	29.04	0	0
				109.22	1.11	-0.71	-1.87	3.11								
9	K	0.55	0.55	107.08	0.00	-0.75	0.00	2.61	-38.16	17.61	34.04	36.84	24.12	41.15	0	0
				60.87	0.00	-0.35	0.00	2.37								

9Ts0Ps16.66Hs10Vv3G18D

BİLSAR A.Ş. MÜHENDİSLİK PROGRAMLARI (0212) 221 29 98 . HER HAKKI SAKLIDIR. SADECE TEM MÜHENDİSLİK LTD. TARAFINDAN KULLANILIR

S.S. KARAKÖY PERŞEMBE PAZARI TUCCARLARI TOPLU İŞYERİ YAPI KOOPERATİFİ 3.KAT KOLON BİLGİLERİ

KOLON	R	D	GDMK GDMK	GDMXU GDMXU	GDMXA GDMXA	GDMYU GDMYU	GDMYA GDMYA	YNX	YMXU	YMXA	YNY	YMYU	YMYA	G. Cap	G. Ara
4	N	0.55	0.55	112.83 60.84	-2.37 -1.97	1.42 0.80	0.84 0.25	0.00 0.00	39.21	10.15	9.39	-36.76	7.00	9.61	0 0
4	M	1.00	0.55	178.48 95.18	2.34 2.68	-0.39 -1.10	2.81 2.23	-7.44 -4.81	-28.56	19.79	6.49	-66.15	10.56	11.74	0 0
4	L	1.00	0.55	182.34 95.25	-2.34 -2.68	-1.73 -1.12	2.81 2.23	-3.69 -1.85	28.19	16.39	3.86	-67.68	10.82	20.75	0 0
4	K	0.55	0.55	108.80 60.78	2.37 1.97	0.00 0.00	0.60 0.22	0.00 0.00	-38.84	6.77	0.85	-37.36	4.15	5.08	0 0
5	N	0.55	1.00	214.56 122.33	-4.46 -3.60	3.00 2.17	2.50 3.40	0.00 0.00	79.11	61.03	30.39	-1.46	70.82	36.11	0 0
5	M	1.00	1.00	409.29 240.43	0.16 3.28	1.71 -2.41	-0.46 -3.45	2.61 5.17	-5.21	58.54	42.08	-4.05	14.71	19.97	0 0
5	L	1.00	1.00	412.82 240.24	-0.16 -3.28	-5.55 -2.04	-0.46 -3.45	5.11 2.34	5.50	50.88	15.81	-1.81	10.61	16.03	0 0
5	K	0.55	1.00	207.04 122.83	4.46 3.60	0.00 0.00	2.37 3.30	0.00 0.00	-79.39	39.47	30.31	-2.20	91.93	46.86	0 0
6	N	0.55	1.00	223.07 134.94	-4.45 -3.59	0.00 0.00	-2.37 -3.79	0.00 0.00	74.25	50.81	6.78	0.09	70.77	24.36	0 0
6	M	1.00	1.00	427.32 273.13	0.16 3.27	0.00 0.00	-0.17 -3.33	6.24 3.35	-2.43	41.99	6.56	0.15	10.39	8.16	0 0
6	L	1.00	1.00	427.28 273.26	-0.16 -3.27	0.00 0.00	-0.17 -3.33	0.00 0.00	2.51	41.92	10.58	-0.71	2.43	33.61	0 0
6	K	0.55	1.00	214.70 135.33	4.45 3.59	0.00 0.00	-2.81 -3.70	0.00 0.00	-74.34	57.30	29.53	0.05	94.66	48.40	0 0
7	N	0.55	1.00	212.83 122.11	-4.45 -3.59	0.00 0.00	2.61 3.46	-3.80 -3.16	74.18	50.68	5.94	-0.09	70.77	14.47	0 0
7	M	1.00	1.00	427.10 273.09	0.16 3.27	0.00 0.00	-0.18 -3.33	0.00 0.00	-2.43	41.74	6.01	-0.15	10.47	6.39	0 0
7	L	1.00	1.00	427.07 273.23	-0.16 -3.27	0.00 0.00	-0.18 -3.33	0.00 0.00	2.49	41.96	8.99	0.72	2.55	32.96	0 0
7	K	0.55	1.00	204.54 122.46	4.45 3.59	0.00 0.00	2.56 3.40	0.00 0.00	-74.24	57.03	29.75	-0.06	94.64	48.44	0 0
8	N	0.55	1.00	225.01 135.30	-4.46 -3.60	2.99 2.17	-2.77 -3.73	0.25 3.16	78.79	60.66	32.03	1.46	70.53	26.27	0 0
8	M	1.00	1.00	409.64 240.36	0.17 3.28	2.34 -2.41	0.10 -3.45	0.00 5.17	-5.18	58.24	44.66	4.05	14.25	24.01	0 0

				248.28	3.29	2.47	3.24	0.00								
8	L	1.00	1.00	413.28	-0.17	-6.19	0.10	-4.86	5.43	50.49	18.17	1.81	10.25	17.84	0	0
				248.02	-3.29	-2.18	-3.24	-2.15								
8	K	0.55	1.00	217.56	4.46	0.00	-2.63	0.00	-79.04	58.28	30.81	2.73	90.85	46.46	0	0
				135.89	3.60	0.00	-3.62	0.00								
9	N	0.55	0.55	108.93	-1.96	1.08	-0.83	3.36	38.93	10.00	9.53	36.76	6.80	9.00	0	0
				60.94	-1.73	0.69	-0.25	1.96								
9	M	1.00	0.55	178.56	2.40	-0.44	-2.88	0.00	-28.38	19.81	9.43	66.15	10.56	12.87	0	0
				103.34	2.71	-1.10	-2.32	0.00								
9	L	1.00	0.55	182.41	-2.40	-1.49	-2.88	3.71	27.61	16.03	0.41	67.68	10.92	17.56	0	0
				103.40	-2.71	-1.11	-2.32	1.87								
9	K	0.55	0.55	104.90	1.96	0.00	-0.59	0.00	-38.16	0.07	17.61	36.84	2.25	24.12	0	0
				60.87	1.73	0.00	-0.22	0.00								

9Ts0Ps16.66Hs10Vv3G18D

BİLSAR A.Ş. MÜHENDİSLİK PROGRAMLARI (0212) 221 29 98 . HER HAKKI SAKLIDIR. SADECE TEM MÜHENDİSLİK LTD. TARAFINDAN KULLANILIR

S.S. KARAKÖY PERŞEMBE PAZARI TüCCARLARI TOPLU İŞYERİ YAPI KOOPERATİFİ 4.KAT KOLON BİLGİLERİ

KOLON		B	D	GDNK GDNK	GDYU GDYU	GDYA GDYA	GDYU GDYU	GDYA GDYA	YNY	YNYU	YNYA	YNY	YNYU	YNYA	G. Cap	G. Ara
4	N	0.50	0.50	102.10 55.28	-2.91 -2.42	3.23 2.69	1.03 0.31	-1.14 -0.34	32.74	8.70	7.59	-30.33	8.50	9.72	0	0
4	M	0.90	0.50	158.53 84.13	2.72 3.12	-3.10 -3.55	3.47 2.74	-3.80 -3.02	-24.69	18.04	7.19	-56.12	16.39	16.91	0	0
4	L	0.90	0.50	162.38 84.19	-2.73 -3.12	3.11 3.55	3.47 2.74	-3.80 -3.02	24.76	18.60	9.80	-57.32	17.72	18.09	0	0
4	K	0.50	0.50	98.44 55.23	2.91 2.42	-3.23 -2.69	0.74 0.28	-0.82 -0.30	-32.81	9.22	9.67	-30.57	9.65	12.79	0	0
5	N	0.50	0.90	194.01 111.23	-3.56 -2.85	3.01 2.43	2.06 2.79	-1.66 -2.25	61.50	11.09	8.36	-0.03	8.10	27.81	0	0
5	M	0.90	0.90	367.90 215.86	0.32 3.94	-0.21 -4.31	-0.51 -4.01	0.60 4.53	-0.93	43.30	28.13	-3.85	43.82	45.74	0	0
5	L	0.90	0.90	371.52 215.66	-0.32 -3.95	0.22 4.31	-0.51 -4.01	0.60 4.53	2.24	44.62	34.54	-2.06	46.65	50.47	0	0
5	K	0.50	0.90	187.18 111.69	3.55 2.85	-3.01 -2.43	1.94 2.69	-1.57 -2.19	-62.80	11.36	7.56	0.14	3.42	43.63	0	0
6	N	0.50	0.90	201.68 122.69	-3.55 -2.85	3.01 2.43	-2.37 -3.11	1.91 2.51	59.51	12.10	1.26	-0.00	9.23	24.43	0	0
6	M	0.90	0.90	386.37 248.73	0.31 3.93	-0.21 -4.30	-0.20 -3.89	0.22 4.37	0.26	43.19	36.39	0.08	44.30	49.52	0	0
6	L	0.90	0.90	386.34 248.85	-0.32 -3.94	0.21 4.30	-0.20 -3.89	0.22 4.37	-1.56	43.39	38.27	-0.76	47.48	55.65	0	0
6	K	0.50	0.90	194.07 123.08	3.55 2.85	-3.01 -2.43	-2.30 -3.03	1.86 2.46	-58.21	10.73	7.80	0.00	3.47	41.99	0	0
7	N	0.50	0.90	192.37 111.03	-3.55 -2.85	3.01 2.43	2.15 2.85	-1.73 -2.29	59.47	12.03	1.33	0.00	9.21	24.43	0	0
7	M	0.90	0.90	386.15 248.69	0.31 3.93	-0.21 -4.30	-0.21 -3.89	0.23 4.37	0.26	42.97	36.39	-0.08	44.24	49.45	0	0
7	L	0.90	0.90	386.11 248.82	-0.32 -3.94	0.21 4.30	-0.21 -3.89	0.23 4.37	-1.56	43.12	37.96	0.76	47.42	55.56	0	0
7	K	0.50	0.90	184.84 111.36	3.55 2.85	-3.01 -2.43	2.10 2.79	-1.70 -2.25	-58.18	10.69	7.73	0.00	3.46	41.98	0	0
8	N	0.50	0.90	203.51 123.02	-3.56 -2.86	3.02 2.44	-2.28 -3.06	1.83 2.47	61.37	10.92	8.54	0.03	7.98	27.82	0	0
8	M	0.90	0.90	368.39 223.67	0.33 3.95	-0.22 -4.31	0.09 3.79	-0.13 4.35	-0.94	42.64	27.74	3.85	43.36	45.51	0	277

				223.07	3.93	4.31	3.79	4.25								
8	L	0.90	0.90	372.02	-0.33	0.22	0.09	-0.13	2.24	43.98	34.18	2.06	46.21	50.19	0	0
				223.43	-3.95	4.31	-3.79	4.25								
8	K	0.50	0.90	196.75	3.56	-3.02	-2.15	1.74	-62.68	11.37	6.42	-0.25	3.32	44.00	0	0
				123.59	2.86	-2.43	-2.94	2.40								
9	N	0.50	0.50	98.56	-2.44	2.67	-1.02	1.14	32.61	8.57	7.52	30.33	8.35	9.69	0	0
				55.37	-2.15	2.36	-0.31	0.34								
9	M	0.90	0.50	158.38	2.79	-3.18	-3.56	3.89	-24.61	17.50	6.81	56.12	16.39	16.91	0	0
				91.04	3.17	-3.60	-2.86	3.14								
9	L	0.90	0.50	162.23	-2.79	3.18	-3.56	3.89	24.76	18.04	8.77	57.32	16.99	17.31	0	0
				91.10	-3.17	3.60	-2.86	3.14								
9	K	0.50	0.50	94.90	2.44	-2.67	-0.73	0.81	-32.76	9.87	12.91	30.67	10.36	16.35	0	0
				55.31	2.15	-2.36	-0.28	0.30								

9Ts0Ps16.66Hs10Vv3G18D

BİLSAR A.Ş. MÜHENDİSLİK PROGRAMLARI (0212) 221 29 98 . HER HAKKI SAKLIDIR. SADECE TEM MÜHENDİSLİK LTD. TARAFINDAN KULLANILIR

S.S. KARAKÖY PERŞEMBE PAZARI TUCCARLARI TOPLU İŞYERİ YAPI KOOPERATİFİ 5.KAT KOLON BİLGİLERİ

KOLON	B	D	GDNK GDNK	GDHXU GDHXU	GDHXA GDHXA	GDHYU GDHYU	GDHYA GDHYA	YNX	YMXU	YMXA	YNY	YNYU	YNYA	G. Cap	G. Ara
4	N	0.50 0.50	91.76 49.75	-2.93 -2.42	2.91 2.42	1.03 0.31	-1.03 -0.31	27.10	7.29	6.01	-25.38	6.73	5.13	0	0
4	M	0.90 0.50	139.30 73.11	3.85 3.15	-2.72 -3.12	1.51 0.44	-3.47 -2.74	-21.32	10.50	4.46	-45.89	11.76	10.58	0	0
4	L	0.90 0.50	143.15 73.17	-3.85 -3.15	2.73 3.12	2.00 0.47	-3.47 -2.74	21.31	10.38	3.87	-46.69	12.00	10.57	0	0
4	K	0.50 0.50	88.46 49.70	2.93 2.42	-2.91 -2.42	0.74 0.28	-0.74 -0.28	-27.09	7.19	5.60	-25.45	6.72	4.40	0	0
5	N	0.50 0.90	174.17 100.14	-3.55 -2.86	3.56 2.85	2.06 2.79	-2.06 -2.79	51.28	15.35	16.83	-0.30	17.90	19.20	0	0
5	M	0.90 0.90	327.87 191.24	0.06 3.96	-0.32 -3.94	2.17 3.48	0.51 4.01	-1.93	32.70	19.40	-3.46	28.74	14.94	0	0
5	L	0.90 0.90	331.49 191.02	-0.06 -3.96	0.32 3.95	1.84 3.54	0.51 4.01	2.79	32.41	17.89	-2.02	28.58	13.03	0	0
5	K	0.50 0.90	168.03 100.57	3.55 2.85	-3.55 -2.85	1.94 2.69	-1.94 -2.69	-52.14	15.34	16.69	-0.34	19.08	21.33	0	0
6	N	0.50 0.90	181.01 110.46	-3.55 -2.85	3.55 2.85	-2.37 -3.11	2.37 3.11	49.24	14.36	15.04	0.03	17.81	18.14	0	0
6	M	0.90 0.90	346.67 224.26	0.31 3.93	-0.31 -3.93	-0.28 -3.89	0.28 3.89	-0.21	32.09	16.70	0.10	29.87	14.72	0	0
6	L	0.90 0.90	346.63 224.37	-0.32 -3.94	0.32 3.94	-0.27 -3.89	0.27 3.89	-0.60	32.00	16.07	-0.52	29.95	12.49	0	0
6	K	0.50 0.90	174.15 110.82	3.55 2.85	-3.55 -2.85	-2.30 -3.03	2.30 3.03	-48.43	14.62	16.03	0.03	19.09	21.02	0	0
7	N	0.50 0.90	172.64 99.96	-3.55 -2.85	3.55 2.85	2.15 2.85	-2.15 -2.85	49.23	14.35	15.05	-0.03	17.81	18.14	0	0
7	M	0.90 0.90	346.44 224.23	0.31 3.93	-0.31 -3.93	-0.13 -3.80	0.21 3.89	-0.21	32.03	16.79	-0.10	29.86	14.75	0	0
7	L	0.90 0.90	346.40 224.34	-0.32 -3.94	0.32 3.94	-0.14 -3.80	0.21 3.89	-0.60	31.96	16.23	0.52	29.95	12.54	0	0
7	K	0.50 0.90	165.86 100.28	3.55 2.85	-3.55 -2.85	2.10 2.79	-2.10 -2.79	-48.42	14.60	16.01	-0.03	19.09	21.01	0	0
8	N	0.50 0.90	182.73 110.76	-3.56 -2.86	3.56 2.86	-2.28 -3.06	2.28 3.06	51.24	15.34	16.88	0.30	17.87	19.19	0	0
8	M	0.90 0.90	328.41 200.02	0.33 3.94	-0.33 -3.94	-2.37 -3.80	-0.09 3.89	-1.92	32.57	19.74	3.46	28.65	15.22	0	0

				199.03	3.94	3.95	3.78	3.79								
8	L	0.90	0.90	332.03	-0.33	0.33	-2.05	-0.09	2.79	32.27	18.22	2.02	28.80	13.35	0	0
				198.78	-3.94	3.95	-3.82	3.79								
8	K	0.50	0.90	176.66	3.56	-3.56	-2.15	2.15	-52.10	15.22	16.57	0.36	19.07	22.01	0	0
				111.29	2.86	-2.86	-2.94	2.94								
9	N	0.50	0.50	88.56	-2.44	2.44	-1.02	1.02	27.07	7.26	6.02	25.38	6.69	5.15	0	0
				49.82	-2.13	2.15	-0.31	0.31								
9	M	0.90	0.50	138.91	3.70	-2.79	-1.51	3.56	-21.29	10.40	4.83	45.89	11.76	10.58	0	0
				78.74	3.21	-3.17	-0.44	2.86								
9	L	0.90	0.50	142.76	-3.70	2.79	-1.99	3.56	21.26	10.31	4.51	46.69	11.97	10.71	0	0
				78.80	-3.21	3.17	-0.47	2.86								
9	K	0.50	0.50	85.27	2.44	-2.44	-0.73	0.73	-27.04	7.00	4.95	25.43	6.52	3.76	0	0
				49.77	2.13	-2.15	-0.28	0.28								

9T50P516.66H510VK3G18D

BİLSAR A.Ş. MÜHENDİSLİK PROGRAMLARI (0212) 221 29 98 . HER HAKKI SAKLIDIR. SADECE TEM MÜHENDİSLİK LTD. TARAFINDAN KULLANILIR

S.S. KARAKÖY PERŞEMBE PAZARI TUCARLARI TOPLU İŞYERİ YAPI KOOPERATİFİ 6.KAT KOLON BİLGİLERİ

KOLON		R	D	GDNK QDNK	GDYU QDYU	GDYA QDYA	GDYU QDYU	GDYA QDYA	YNY	YNYU	YNYA	YNY	YNYU	YNYA	G. Cap	G. Ara
4	N	0.50	0.50	81.41 44.21	-2.92 -2.43	2.93 2.42	1.02 0.31	-1.03 -0.31	22.11	6.32	5.76	-20.79	6.12	5.79	0	0
4	M	0.90	0.50	125.91 67.37	3.17 3.63	-3.85 -3.15	3.61 2.87	-1.51 -0.44	-16.32	10.78	3.48	-37.77	11.58	9.93	0	0
4	L	0.90	0.50	129.00 67.42	-3.17 -3.63	3.85 3.15	3.61 2.87	-2.00 -0.47	16.33	10.80	3.61	-38.42	11.84	9.96	0	0
4	K	0.50	0.50	78.48 44.17	2.92 2.43	-2.93 -2.42	0.73 0.28	-0.74 -0.28	-22.11	6.34	5.84	-20.81	6.20	5.95	0	0
5	N	0.50	0.90	154.34 89.05	-3.70 -2.99	3.55 2.86	2.39 3.24	-2.06 -2.79	41.34	12.59	10.70	-0.15	14.27	8.27	0	0
5	M	0.90	0.90	292.05 173.40	0.42 4.79	-0.06 -3.96	-0.64 -4.86	-2.17 -3.48	-0.85	31.60	21.16	-2.43	29.32	21.47	0	0
5	L	0.90	0.90	294.94 173.22	-0.42 -4.79	0.06 3.96	-0.64 -4.86	-1.84 -3.54	1.59	31.65	21.52	-1.22	29.52	21.65	0	0
5	K	0.50	0.90	148.89 89.45	3.70 2.99	-3.55 -2.85	2.24 3.11	-1.94 -2.69	-42.08	12.64	10.75	-0.14	14.32	7.29	0	0
6	N	0.50	0.90	160.34 98.23	-3.70 -2.99	3.55 2.85	-2.75 -3.63	2.37 3.11	39.79	12.07	10.37	0.01	14.34	8.65	0	0
6	M	0.90	0.90	306.90 199.80	0.41 4.77	-0.31 -3.93	-0.24 -4.72	0.28 3.89	-0.06	30.42	21.95	0.07	29.77	23.06	0	0
6	L	0.90	0.90	306.86 199.90	-0.41 -4.78	0.32 3.94	-0.24 -4.72	0.27 3.89	-0.64	30.44	22.13	-0.47	29.99	23.31	0	0
6	K	0.50	0.90	154.24 98.57	3.70 2.99	-3.55 -2.85	-2.67 -3.52	2.30 3.03	-39.09	12.03	10.17	0.01	14.38	7.65	0	0
7	N	0.50	0.90	152.91 88.89	-3.70 -2.99	3.55 2.85	2.51 3.32	-2.15 -2.85	39.79	12.07	10.37	-0.01	14.34	8.65	0	0
7	M	0.90	0.90	306.73 199.77	0.41 4.77	-0.31 -3.93	-0.25 -4.72	0.13 3.80	-0.06	30.40	21.96	-0.07	29.76	23.06	0	0
7	L	0.90	0.90	306.69 199.87	-0.41 -4.78	0.32 3.94	-0.25 -4.72	0.14 3.80	-0.64	30.42	22.13	0.47	29.98	23.31	0	0
7	K	0.50	0.90	146.88 89.19	3.70 2.99	-3.55 -2.85	2.44 3.24	-2.10 -2.79	-39.08	12.03	10.17	-0.01	14.38	7.66	0	0
8	N	0.50	0.90	161.95 98.50	-3.71 -3.00	3.56 2.86	-2.64 -3.55	2.28 3.06	41.32	12.61	10.72	0.15	14.26	8.27	0	0
8	M	0.90	0.90	292.23 170.00	0.43 4.79	-0.33 -3.96	0.14 4.57	2.37 3.76	-0.85	31.54	21.18	2.43	29.27	21.47	0	281 0

				178.50	-4.79	3.94	-4.57	3.76								
8	L	0.90	0.90	295.12	-0.43	0.33	0.14	2.05	1.59	31.60	21.54	1.22	29.48	21.65	0	0
				178.68	-4.79	3.94	-4.57	3.82								
8	K	0.50	0.90	156.56	3.71	-3.56	-2.48	2.15	-42.06	12.58	10.75	0.14	14.30	7.24	0	0
				98.99	3.00	-2.86	-3.40	2.94								
9	N	0.50	0.50	78.57	-2.45	2.44	-1.01	1.02	22.09	6.31	5.76	20.79	6.10	5.80	0	0
				44.28	-2.16	2.13	-0.31	0.31								
9	H	0.90	0.50	125.77	3.23	-3.70	-3.70	1.51	-16.32	10.73	3.50	37.77	11.58	9.93	0	0
				72.89	3.67	-3.21	-3.00	0.44								
9	L	0.90	0.50	128.85	-3.24	3.70	-3.70	1.99	16.32	10.75	3.55	38.42	11.79	9.96	0	0
				72.94	-3.67	3.21	-3.00	0.47								
9	K	0.50	0.50	75.64	2.45	-2.44	-0.72	0.73	-22.10	6.36	5.98	20.82	6.22	6.09	0	0
				44.23	2.16	-2.13	-0.28	0.28								

9Ts0Ps16.66Hs10Vv3G18D

BİLSAR A.Ş. MÜHENDİSLİK PROGRAMLARI (0212) 221 29 98 . HER HAKKI SAKLIDIR. SADECE TEM MÜHENDİSLİK LTD. TARAFINDAN KULLANILIR

S.S. KARAKÖY PERŞEMBE PAZARI TUCARLARI TOPLU İŞYERİ YAPI KOOPERATİFİ 7.KAT KOLON BİLGİLERİ

KOLON	B	D	GDNK GDNK	GDMXU GDMXU	GDMXA GDMXA	GDMYU GDMYU	GDMYA GDMYA	YNX	YMXU	YMXA	YNY	YMYU	YMYA	G. Cap	G. Ara
4	N	0.50 0.50	71.06 38.67	-2.93 -2.44	2.92 2.43	1.01 0.31	-1.02 -0.31	17.60	6.12	5.51	-16.55	6.03	5.44	0	0
4	M	0.80 0.50	106.70 56.36	2.66 3.05	-2.23 -2.55	3.36 2.69	-3.21 -2.55	-13.62	10.95	7.22	-29.62	11.02	10.13	0	0
4	L	0.80 0.50	109.78 56.40	-2.67 -3.05	2.23 2.55	3.36 2.69	-3.21 -2.55	13.62	10.95	7.19	-30.10	11.22	10.20	0	0
4	K	0.50 0.50	68.50 38.63	2.93 2.44	-2.92 -2.43	0.72 0.28	-0.73 -0.28	-17.60	6.12	5.50	-16.56	6.03	5.40	0	0
5	N	0.50 0.80	134.50 77.96	-3.44 -2.81	3.29 2.66	2.00 2.71	-1.68 -2.27	32.58	11.52	10.58	-0.14	13.41	10.22	0	0
5	M	0.80 0.80	251.98 148.70	0.36 3.73	-0.26 -2.99	-0.52 -3.85	0.40 3.04	-0.97	26.06	19.19	-2.17	24.75	18.55	0	0
5	L	0.80 0.80	254.87 148.51	-0.36 -3.79	0.26 2.99	-0.52 -3.85	0.40 3.04	1.55	26.07	19.12	-1.25	24.77	18.46	0	0
5	K	0.50 0.80	129.73 78.32	3.44 2.81	-3.29 -2.66	1.87 2.58	-1.57 -2.18	-33.16	11.56	10.60	-0.15	13.46	10.31	0	0
6	N	0.50 0.80	139.67 85.99	-3.43 -2.80	3.29 2.66	-2.32 -3.05	1.93 2.55	31.33	11.03	10.10	0.02	13.38	10.13	0	0
6	M	0.80 0.80	267.18 175.25	0.35 3.78	-0.26 -2.98	-0.18 -3.74	0.15 2.94	-0.04	24.62	17.98	0.07	24.57	18.41	0	0
6	L	0.80 0.80	267.13 175.34	-0.35 -3.78	0.26 2.98	-0.18 -3.74	0.15 2.94	-0.51	24.61	17.94	-0.32	24.58	18.31	0	0
6	K	0.50 0.80	134.33 86.30	3.43 2.80	-3.29 -2.65	-2.23 -2.94	1.87 2.47	-30.79	11.04	10.14	0.02	13.46	10.22	0	0
7	N	0.50 0.80	133.17 77.81	-3.43 -2.80	3.29 2.66	2.11 2.80	-1.76 -2.33	31.33	11.03	10.10	-0.02	13.38	10.13	0	0
7	M	0.80 0.80	267.01 175.22	0.35 3.78	-0.26 -2.98	-0.19 -3.74	0.15 2.94	-0.04	24.61	17.98	-0.07	24.56	18.42	0	0
7	L	0.80 0.80	266.96 175.32	-0.35 -3.78	0.26 2.98	-0.19 -3.74	0.15 2.94	-0.51	24.61	17.95	0.32	24.58	18.31	0	0
7	K	0.50 0.80	127.89 78.09	3.43 2.80	-3.29 -2.65	2.04 2.71	-1.71 -2.27	-30.78	11.04	10.13	-0.02	13.46	10.22	0	0
8	N	0.50 0.80	141.16 86.24	-3.44 -2.81	3.30 2.66	-2.21 -2.97	1.86 2.49	32.58	11.55	10.60	0.14	13.41	10.22	0	0
8	M	0.80 0.80	252.20 154.18	0.36 3.73	-0.27 -2.99	0.14 -3.85	-0.09 3.04	-0.97	26.07	19.21	2.17	24.74	18.57	0	0

				107.18	5.79	2.99	3.60	2.85								
8	L	0.80	0.80	255.09	-0.37	0.27	0.14	-0.09	1.55	26.06	19.14	1.25	24.76	18.47	0	0
				153.95	-3.79	2.99	3.60	2.85								
8	K	0.50	0.80	136.46	3.44	-3.29	-2.06	1.74	-33.16	11.52	10.58	0.15	13.49	10.33	0	0
				86.68	2.81	-2.66	-2.82	2.39								
9	N	0.50	0.50	68.58	-2.47	2.45	-1.00	1.01	17.59	6.12	5.51	16.55	6.02	5.44	0	0
				38.73	-2.18	2.16	-0.31	0.31								
9	N	0.80	0.50	106.31	2.70	-2.27	-3.44	3.29	-13.62	10.94	7.24	29.62	11.02	10.13	0	0
				60.60	3.06	-2.58	-2.81	2.67								
9	L	0.80	0.50	109.39	-2.70	2.27	-3.44	3.29	13.62	10.94	7.24	30.10	11.21	10.22	0	0
				60.64	-3.06	2.58	-2.81	2.67								
9	K	0.50	0.50	66.01	2.47	-2.45	-0.71	0.72	-17.59	6.11	5.47	16.56	6.02	5.38	0	0
				38.69	2.18	-2.16	-0.28	0.28								

9Ts0Ps16.66Hs10Vv3G18D

BİLSAR A.Ş. MÜHENDİSLİK PROGRAMLARI (0212) 221 29 98 . HER HAKKI SAKLIDIR. SADECE TEM MÜHENDİSLİK LTD. TARAFINDAN KULLANILIR

S.S. KARAKÖY PERŞEMBE PAZARI TUCARLARI TOPLU İŞYERİ YAPI KOOPERATİFİ 8.KAT KOLON BİLGİLERİ

KOLON	B	D	GDNK GDNK	GDMXU GDMXU	GDMXA GDMXA	GDMYU GDMYU	GDMYA GDMYA	YNX	YMXU	YMXA	YNY	YMYU	YMYA	G. Cap	G. Ara
4	N	0.50	0.50	60.72 33.14	-2.96 -2.44	2.93 2.44	1.01 0.31	-1.01 -0.31	13.50	5.51	4.66	-12.67	5.35	4.59	0 0
4	M	0.80	0.50	87.86 45.35	3.77 3.09	-2.66 -3.05	1.43 0.43	-3.36 -2.69	-11.15	7.61	5.15	-22.33	8.97	8.48	0 0
4	L	0.80	0.50	90.93 45.39	-3.78 -3.09	2.67 3.05	1.92 0.47	-3.36 -2.69	11.15	7.61	5.16	-22.70	9.08	8.54	0 0
4	K	0.50	0.50	58.52 33.10	2.96 2.44	-2.93 -2.44	0.72 0.28	-0.72 -0.28	-13.50	5.51	4.66	-12.67	5.36	4.59	0 0
5	N	0.50	0.80	115.01 66.85	-3.44 -2.81	3.44 2.81	2.00 2.71	-2.00 -2.71	24.79	10.29	9.17	-0.17	12.22	8.63	0 0
5	M	0.80	0.80	213.08 123.89	0.31 3.81	-0.36 -3.79	2.00 3.31	0.52 3.85	-0.95	22.90	18.51	-2.05	21.80	17.64	0 0
5	L	0.80	0.80	215.97 123.69	-0.31 -3.81	0.36 3.79	1.71 3.39	0.52 3.85	1.42	22.90	18.52	-1.35	21.82	17.65	0 0
5	K	0.50	0.80	110.93 67.17	3.44 2.81	-3.44 -2.81	1.87 2.58	-1.87 -2.58	-25.25	10.32	9.19	-0.17	12.22	8.58	0 0
6	N	0.50	0.80	119.36 73.74	-3.43 -2.80	3.43 2.80	-2.32 -3.05	2.32 3.05	23.83	9.81	8.76	0.01	12.19	8.61	0 0
6	M	0.80	0.80	228.67 150.59	0.35 3.78	-0.35 -3.78	-0.29 -3.74	0.18 3.74	0.08	22.75	17.90	0.07	22.65	17.93	0 0
6	L	0.80	0.80	228.62 150.67	-0.35 -3.78	0.35 3.78	-0.28 -3.74	0.18 3.74	-0.52	22.75	17.91	-0.22	22.66	17.94	0 0
6	K	0.50	0.80	114.78 74.02	3.43 2.80	-3.43 -2.80	-2.23 -2.94	2.23 2.94	-23.39	9.81	8.75	0.01	12.20	8.57	0 0
7	N	0.50	0.80	113.80 66.72	-3.43 -2.80	3.43 2.80	2.11 2.80	-2.11 -2.80	23.83	9.81	8.76	-0.01	12.19	8.61	0 0
7	M	0.80	0.80	228.48 150.56	0.35 3.78	-0.35 -3.78	-0.09 -3.61	0.19 3.74	0.08	22.74	17.90	-0.07	22.65	17.93	0 0
7	L	0.80	0.80	228.43 150.65	-0.35 -3.78	0.35 3.78	-0.10 -3.61	0.19 3.74	-0.52	22.75	17.91	0.22	22.66	17.94	0 0
7	K	0.50	0.80	109.27 66.97	3.43 2.80	-3.43 -2.80	2.04 2.71	-2.04 -2.71	-23.39	9.81	8.75	-0.01	12.20	8.57	0 0
8	N	0.50	0.80	120.73 73.95	-3.45 -2.81	3.44 2.81	-2.21 -2.97	2.21 2.97	24.78	10.32	9.19	0.17	12.22	8.63	0 0
8	M	0.80	0.80	213.34 123.35	0.71 3.77	-0.36 -3.78	-2.19 -3.56	-0.14 -3.60	-0.95	22.90	18.51	2.05	21.80	17.64	0 0

				129.33	3.77	3.73	3.36	3.60								
8	L	0.80	0.80	216.22	-0.71	0.37	-1.90	-0.14	1.42	22.90	18.53	1.35	21.81	17.65	0	0
				129.12	-3.77	3.79	-3.65	-3.60								
8	K	0.50	0.80	116.70	3.45	-3.44	-2.06	2.06	-25.25	10.29	9.17	0.17	12.22	8.57	0	0
				74.35	2.81	-2.81	-2.82	2.82								
9	M	0.50	0.50	58.59	-2.48	2.47	-1.00	1.00	13.50	5.51	4.66	12.67	5.35	4.59	0	0
				33.19	-2.17	2.18	-0.31	0.31								
9	M	0.80	0.50	87.23	3.59	-2.70	-1.42	3.44	-11.15	7.60	5.16	22.33	8.97	8.48	0	0
				48.32	3.12	-3.06	-0.43	2.81								
9	L	0.80	0.50	90.31	-3.59	2.70	-1.91	3.44	11.15	7.60	5.16	22.70	9.08	8.54	0	0
				48.36	-3.12	3.06	-0.47	2.81								
9	K	0.50	0.50	56.39	2.48	-2.47	-0.71	0.71	-13.50	5.51	4.67	12.67	5.36	4.60	0	0
				33.16	2.17	-2.18	-0.28	0.28								

9Ts0Ps16.66Hs10Vv3G18D

BİLSAR A.Ş. MÜHENDİSLİK PROGRAMLARI (0212) 221 29 98 . HER HAKKI SAKLIDIR. SADECE TEM MÜHENDİSLİK LTD. TARAFINDAN KULLANILIR

S.S. KARAKÖY PERŞEMBE PAZARI TUCCARLARI TOPLU İŞYERİ YAPI KOOPERATİFİ 9.KAT KOLON BİLGİLERİ

KOLON	B	D	GDNK GDNK	GDHXU GDHXU	GDHXA GDHXA	GDHYU GDHYU	GDHYA GDHYA	YHX	YHXU	YHXA	YNY	YNYU	YMYA	G. Cap	G. Ara
4	N	0.50	0.50	50.37 27.60	-3.40 -2.84	2.96 2.44	1.15 0.37	-1.01 -0.31	9.79	5.02	4.19	-9.22	4.94	4.10	0 0
4	M	0.80	0.50	74.86 39.63	3.34 3.80	-3.77 -3.09	3.84 3.12	-1.43 -0.43	-7.44	7.53	2.60	-16.31	8.88	7.10	0 0
4	L	0.80	0.50	77.17 39.66	-3.34 -3.80	3.78 3.09	3.84 3.12	-1.92 -0.47	7.44	7.53	2.60	-16.62	9.01	7.11	0 0
4	K	0.50	0.50	48.54 27.57	3.40 2.84	-2.96 -2.44	0.80 0.32	-0.72 -0.28	-9.79	5.02	4.19	-9.22	4.94	4.10	0 0
5	N	0.50	0.80	95.52 55.74	-3.93 -3.24	3.44 2.81	2.42 3.32	-2.00 -2.71	17.78	9.56	8.21	-0.19	10.66	7.43	0 0
5	M	0.80	0.80	173.78 105.93	0.56 4.71	-0.31 -3.81	-0.74 -4.77	-2.00 -3.31	-0.24	21.23	14.85	-1.40	20.20	14.45	0 0
5	L	0.80	0.80	180.95 105.77	-0.56 -4.71	0.31 3.81	-0.74 -4.77	-1.71 -3.39	0.60	21.23	14.85	-0.81	20.21	14.45	0 0
5	K	0.50	0.80	92.12 56.02	3.93 3.24	-3.44 -2.81	2.23 3.12	-1.87 -2.58	-18.14	9.59	8.22	-0.19	10.67	7.44	0 0
6	N	0.50	0.80	99.05 61.48	-3.93 -3.24	3.43 2.80	-2.84 -3.74	2.32 3.05	17.15	9.14	7.81	0.01	10.66	7.41	0 0
6	M	0.80	0.80	190.04 125.93	0.55 4.70	-0.35 -3.78	-0.20 -4.59	0.29 3.74	0.17	20.39	15.03	0.05	20.47	15.35	0 0
6	L	0.80	0.80	190.00 126.01	-0.55 -4.70	0.35 3.78	-0.20 -4.59	0.28 3.74	-0.51	20.39	15.03	-0.20	20.47	15.34	0 0
6	K	0.50	0.80	95.23 61.73	3.93 3.24	-3.43 -2.80	-2.71 -3.57	2.23 2.94	-16.80	9.14	7.81	0.01	10.67	7.41	0 0
7	N	0.50	0.80	94.42 55.63	-3.93 -3.24	3.43 2.80	2.59 3.44	-2.11 -2.80	17.15	9.14	7.81	-0.01	10.66	7.41	0 0
7	M	0.80	0.80	189.92 125.91	0.55 4.70	-0.35 -3.78	-0.24 -4.60	0.09 3.61	0.17	20.39	15.03	-0.05	20.47	15.35	0 0
7	L	0.80	0.80	189.88 125.99	-0.55 -4.70	0.35 3.78	-0.24 -4.60	0.10 3.61	-0.51	20.39	15.03	0.20	20.47	15.34	0 0
7	K	0.50	0.80	90.65 55.85	3.93 3.24	-3.43 -2.80	2.49 3.30	-2.04 -2.71	-16.80	9.14	7.81	-0.01	10.67	7.41	0 0
8	N	0.50	0.80	100.29 61.67	-3.94 -3.25	3.45 2.81	-2.68 -3.63	2.21 2.97	17.78	9.59	8.22	0.19	10.66	7.43	0 0
8	M	0.80	0.80	178.96 110.00	0.56 4.70	-0.71 -3.77	0.28 4.60	2.19 3.56	-0.24	21.23	14.86	1.40	20.20	14.46	0 0

				110.00	1.71	3.77	1.70	3.50								
8	L	0.80	0.80	181.13	-0.56	0.71	0.28	1.90	0.60	21.23	14.85	0.81	20.21	14.45	0	0
				109.88	-4.72	3.77	4.48	3.65								
8	K	0.50	0.80	96.95	3.94	-3.45	-2.47	2.06	-18.14	9.56	8.21	0.19	10.67	7.44	0	0
				62.02	3.25	-2.81	-3.41	2.82								
9	N	0.50	0.50	48.59	-2.82	2.48	-1.14	1.00	9.79	5.02	4.19	9.22	4.94	4.10	0	0
				27.64	-2.50	2.17	-0.37	0.31								
9	N	0.80	0.50	74.50	3.36	-3.59	-3.93	1.42	-7.44	7.53	2.60	16.31	8.88	7.10	0	0
				42.51	3.79	-3.12	-3.25	0.43								
9	L	0.80	0.50	76.81	-3.36	3.59	-3.93	1.91	7.44	7.53	2.60	16.62	9.01	7.11	0	0
				42.54	-3.79	3.12	-3.25	0.47								
9	K	0.50	0.50	46.76	2.82	-2.48	-0.79	0.71	-9.79	5.01	4.18	9.22	4.94	4.10	0	0
				27.62	2.50	-2.17	-0.32	0.28								

9Ts0Ps16.66Hs10Vk3G18D

BİLSAR A.Ş. MÜHENDİSLİK PROGRAMLARI (0212) 221 29 98 . HER HAKKI SAKLIDIR. SADECE TEM MÜHENDİSLİK LTD. TARAFINDAN KULLANILIR

S.S. KARAKÖY PERŞEMBE PAZARI TUCARLARI TOPLU İŞYERİ YAPI KOOPERATİFİ 10.KAT KOLON BİLGİLERİ

KOLON	B	D	GDNK GDNK	GDMXU GDMXU	GDMXA GDMXA	GDMYU GDMYU	GDMYA GDMYA	YNX	YMXU	YNXA	YNY	YNYU	YNYA	G. Cap	G. Ara
4	N	0.45	0.45	40.02 22.06	-2.68 -2.25	2.23 1.86	0.89 0.29	-0.76 -0.24	6.62	4.01	3.30	-6.19	4.00	3.32	0 0
4	M	0.70	0.45	55.97 28.59	2.71 3.05	-2.01 -2.29	2.89 2.38	-2.45 -1.99	-5.55	7.64	5.13	-10.71	6.98	6.04	0 0
4	L	0.70	0.45	58.28 28.61	-2.71 -3.05	2.01 2.29	2.89 2.38	-2.45 -1.99	5.55	7.64	5.13	-10.91	7.12	6.12	0 0
4	K	0.45	0.45	38.55 22.04	2.68 2.25	-2.23 -1.86	0.59 0.25	-0.52 -0.21	-6.62	4.01	3.30	-6.19	4.00	3.32	0 0
5	N	0.45	0.70	75.99 44.62	-2.96 -2.48	2.51 2.07	1.84 2.57	-1.46 -2.00	11.84	7.20	6.16	-0.18	9.31	6.71	0 0
5	M	0.70	0.70	139.70 80.90	0.57 3.66	-0.33 -2.76	-0.68 -3.69	0.43 2.60	-0.30	17.28	13.17	-1.20	16.65	12.79	0 0
5	L	0.70	0.70	141.87 90.73	-0.57 -3.66	0.33 2.76	-0.68 -3.69	0.43 2.80	0.56	17.28	13.17	-0.82	16.65	12.79	0 0
5	K	0.45	0.70	73.28 44.85	2.96 2.48	-2.51 -2.07	1.68 2.39	-1.35 -1.88	-12.10	7.22	6.17	-0.18	9.31	6.71	0 0
6	N	0.45	0.70	78.74 49.21	-2.95 -2.47	2.51 2.06	-2.21 -2.92	1.71 2.26	11.41	6.90	5.91	0.01	9.36	6.73	0 0
6	M	0.70	0.70	151.45 101.10	0.56 3.65	-0.32 -2.76	-0.13 -3.49	0.12 2.69	0.20	16.39	12.43	0.05	16.69	12.78	0 0
6	L	0.70	0.70	151.40 101.16	-0.56 -3.65	0.32 2.76	-0.13 -3.49	0.12 2.69	-0.44	16.39	12.43	-0.10	16.69	12.78	0 0
6	K	0.45	0.70	75.68 49.42	2.95 2.47	-2.50 -2.06	-2.08 -2.75	1.63 2.16	-11.16	6.90	5.91	0.01	9.36	6.73	0 0
7	N	0.45	0.70	75.05 44.52	-2.95 -2.47	2.51 2.06	2.03 2.69	-1.56 -2.07	11.41	6.90	5.91	-0.01	9.36	6.73	0 0
7	M	0.70	0.70	151.31 101.08	0.56 3.65	-0.32 -2.76	-0.19 -3.51	0.14 2.70	0.20	16.39	12.43	-0.05	16.69	12.78	0 0
7	L	0.70	0.70	151.26 101.15	-0.56 -3.65	0.32 2.76	-0.19 -3.51	0.14 2.70	-0.44	16.39	12.43	0.10	16.69	12.78	0 0
7	K	0.45	0.70	72.03 44.71	2.95 2.47	-2.50 -2.06	1.92 2.55	-1.50 -1.99	-11.16	6.90	5.91	-0.01	9.36	6.73	0 0
8	N	0.45	0.70	79.82 49.37	-2.96 -2.48	2.51 2.07	-2.04 -2.81	1.61 2.19	11.84	7.22	6.17	0.18	9.31	6.71	0 0
8	M	0.70	0.70	139.91 85.97	0.57 3.67	-0.33 -2.77	0.35 2.49	-0.16 2.67	-0.30	17.28	13.17	1.20	16.65	12.79	0 0

				83.93	3.87	2.77	3.43	2.63								
8	L	0.70	0.70	142.08	-0.57	0.33	0.35	-0.16	0.56	17.28	13.17	0.82	16.65	12.79	0	0
				84.83	-3.67	2.77	3.49	-2.63								
8	K	0.45	0.70	77.15	2.96	-2.51	-1.85	1.49	-12.10	7.20	6.16	0.18	9.31	6.71	0	0
				49.66	2.48	-2.07	-2.60	2.06								
9	N	0.45	0.45	38.60	-2.18	1.85	-0.88	0.75	6.62	4.01	3.30	6.19	4.00	3.32	0	0
				22.10	-1.94	1.64	-0.29	0.24								
9	M	0.70	0.45	55.38	2.69	-2.03	-2.96	2.51	-5.55	7.64	5.13	10.71	6.98	6.04	0	0
				30.18	3.00	-2.28	-2.48	2.07								
9	L	0.70	0.45	57.68	-2.69	2.03	-2.96	2.51	5.55	7.64	5.13	10.91	7.12	6.12	0	0
				30.20	-3.00	2.28	-2.48	2.07								
9	K	0.45	0.45	37.13	2.18	-1.85	-0.58	0.52	-6.62	4.01	3.30	6.19	4.00	3.32	0	0
				22.08	1.94	-1.64	-0.25	0.21								

9Ts0Ps16.66Hs10Vv3G18D

BİLSAR A.Ş. MÜHENDİSLİK PROGRAMLARI (0212) 221 29 98 . HER HAKKI SAKLIDIR. SADECE TEM MÜHENDİSLİK LTD. TARAFINDAN KULLANILIR

S.S. KARAKÖY PERŞEMBE PAZARI TUCCARLARI TOPLU İŞYERİ YAPI KOOPERATİFİ 11.KAT KOLON BİLGİLERİ

KOLON	B	D	GDNK GDNK	GDMXU GDMXU	GDMXA GDMXA	GDMYU GDMYU	GDMYA GDMYA	YNX	YNXU	YNXA	YNY	YNYU	YNYA	G. Cap	G. Ara
4	N	0.45 0.45	30.02 16.55	-2.73 -2.25	2.68 2.25	0.89 0.29	-0.89 -0.29	4.04	3.39	2.73	-3.74	3.34	2.70	0	0
4	M	0.70 0.45	37.63 17.49	3.80 3.11	-2.71 -3.05	1.18 0.39	-2.89 -2.38	-4.04	5.18	2.70	-6.25	5.46	4.87	0	0
4	L	0.70 0.45	39.93 17.51	-3.80 -3.11	2.71 3.05	1.65 0.42	-2.89 -2.38	4.04	5.18	2.70	-6.36	5.55	4.90	0	0
4	K	0.45 0.45	28.92 16.53	2.73 2.25	-2.68 -2.25	0.59 0.25	-0.59 -0.25	-4.04	3.39	2.73	-3.74	3.34	2.70	0	0
5	N	0.45 0.70	57.03 33.48	-2.96 -2.48	2.96 2.48	1.84 2.57	-1.84 -2.57	7.15	6.00	5.17	-0.11	7.85	4.93	0	0
5	M	0.70 0.70	101.41 55.32	0.53 3.70	-0.57 -3.66	1.69 3.03	0.68 3.69	-0.47	14.01	10.24	-0.96	13.60	9.93	0	0
5	L	0.70 0.70	103.58 55.34	-0.53 -3.70	0.57 3.66	1.43 3.14	0.68 3.69	0.63	14.01	10.24	-0.76	13.60	9.93	0	0
5	K	0.45 0.70	55.00 33.66	2.96 2.48	-2.96 -2.48	1.68 2.39	-1.68 -2.39	-7.31	6.03	5.18	-0.11	7.85	4.93	0	0
6	N	0.45 0.70	59.05 36.93	-2.95 -2.47	2.95 2.47	-2.21 -2.92	2.21 2.92	6.86	5.73	4.94	0.00	7.89	4.98	0	0
6	M	0.70 0.70	113.81 75.99	0.56 3.65	-0.56 -3.65	-0.30 -3.49	0.13 3.49	0.13	13.76	9.89	0.04	14.08	10.22	0	0
6	L	0.70 0.70	113.75 76.05	-0.56 -3.65	0.56 3.65	-0.28 -3.49	0.13 3.49	-0.28	13.76	9.89	-0.02	14.08	10.22	0	0
6	K	0.45 0.70	56.76 37.09	2.95 2.47	-2.95 -2.47	-2.08 -2.75	2.08 2.75	-6.71	5.73	4.94	0.00	7.89	4.98	0	0
7	N	0.45 0.70	56.29 33.41	-2.95 -2.47	2.95 2.47	2.03 2.69	-2.03 -2.69	6.86	5.73	4.94	-0.00	7.89	4.98	0	0
7	M	0.70 0.70	113.63 75.98	0.56 3.65	-0.56 -3.65	-0.03 -3.32	0.19 3.51	0.13	13.76	9.89	-0.04	14.08	10.22	0	0
7	L	0.70 0.70	113.58 76.04	-0.56 -3.65	0.56 3.65	-0.05 -3.32	0.19 3.51	-0.28	13.76	9.89	0.02	14.08	10.22	0	0
7	K	0.45 0.70	54.03 33.56	2.95 2.47	-2.95 -2.47	1.92 2.55	-1.92 -2.55	-6.71	5.73	4.94	-0.00	7.89	4.98	0	0
8	N	0.45 0.70	59.90 37.05	-2.98 -2.48	2.96 2.48	-2.04 -2.81	2.04 2.81	7.15	6.03	5.18	0.11	7.85	4.93	0	0
8	M	0.70 0.70	101.63 59.63	0.89 3.64	-0.57 -3.67	-1.85 -3.25	-0.35 -3.49	-0.47	14.01	10.24	0.96	13.60	9.93	0	0

8	L	0.70	0.70	103.79	-0.89	0.57	-1.59	-0.35	0.63	14.01	10.24	0.76	13.60	9.93	0	0
				59.42	-3.64	3.67	-3.37	-3.49								
8	K	0.45	0.70	57.90	2.98	-2.96	-1.85	1.85	-7.31	6.00	5.17	0.11	7.85	4.93	0	0
				37.28	2.48	-2.48	-2.60	2.60								
9	N	0.45	0.45	28.95	-2.21	2.18	-0.88	0.88	4.04	3.39	2.73	3.74	3.34	2.70	0	0
				16.57	-1.93	1.94	-0.29	0.29								
9	M	0.70	0.45	36.77	3.56	-2.69	-1.17	2.96	-4.04	5.18	2.70	6.25	5.46	4.87	0	0
				17.76	3.09	-3.00	-0.39	2.48								
9	L	0.70	0.45	39.07	-3.56	2.69	-1.64	2.96	4.04	5.18	2.70	6.36	5.55	4.90	0	0
				17.77	-3.09	3.00	-0.43	2.48								
9	K	0.45	0.45	27.85	2.21	-2.18	-0.58	0.58	-4.04	3.39	2.73	3.74	3.34	2.70	0	0
				16.56	1.93	-1.94	-0.25	0.25								

9Ts0Ps16.66Hs10Vv3G18D

BİLSAR A.Ş. MÜHENDİSLİK PROGRAMLARI (0212) 221 29 98 . HER HAKKI SAKLIDIR. SADECE TEM MÜHENDİSLİK LTD. TARAFINDAN KULLANILIR

S.S. KARAKÖY PERŞEMBE PAZARI TUCCARLARI TOPLU İŞYERİ YAPI KOOPERATİFİ 12.KAT KOLON BİLGİLERİ

KOLON	B	D	GDNK GDNK	GDMXU GDMXU	GDMXA GDMXA	GDMYU GDMYU	GDMYA GDMYA	YNX	YMXU	YMXA	YNY	YMYU	YMYA	G. Cap	G. Ara
4	N	0.45 0.45	20.01 11.03	-2.73 -2.25	2.73 2.25	0.89 0.29	-0.89 -0.29	1.99	2.57	1.87	-1.84	2.55	1.82	0	0
4	M	0.70 0.45	25.13 11.70	3.80 3.11	-3.80 -3.11	1.18 0.39	-1.18 -0.39	-1.99	4.62	0.54	-3.05	4.03	3.04	0	0
4	L	0.70 0.45	26.66 11.71	-3.80 -3.11	3.80 3.11	1.65 0.42	-1.65 -0.42	1.99	4.62	0.54	-3.11	4.13	3.04	0	0
4	K	0.45 0.45	19.28 11.02	2.73 2.25	-2.73 -2.25	0.59 0.25	-0.59 -0.25	-1.99	2.57	1.87	-1.84	2.55	1.82	0	0
5	N	0.45 0.70	38.07 22.35	-2.96 -2.48	2.96 2.48	1.84 2.57	-1.84 -2.57	3.49	4.50	3.56	-0.07	6.47	3.10	0	0
5	M	0.70 0.70	67.79 37.21	0.53 3.70	-0.53 -3.70	1.69 3.03	-1.69 -3.03	-0.21	11.07	6.23	-0.50	10.75	6.11	0	0
5	L	0.70 0.70	69.24 37.08	-0.53 -3.70	0.53 3.70	1.43 3.14	-1.43 -3.14	0.29	11.07	6.23	-0.39	10.75	6.11	0	0
5	K	0.45 0.70	36.71 22.48	2.96 2.48	-2.96 -2.48	1.68 2.33	-1.68 -2.33	-3.57	4.52	3.57	-0.07	6.47	3.10	0	0
6	N	0.45 0.70	39.36 24.65	-2.95 -2.47	2.95 2.47	-2.21 -2.92	2.21 2.92	3.36	4.30	3.38	0.00	6.48	3.12	0	0
6	M	0.70 0.70	75.99 50.89	0.56 3.65	-0.56 -3.65	-0.30 -3.49	0.30 3.49	0.08	10.91	6.42	0.02	11.10	6.66	0	0
6	L	0.70 0.70	75.95 50.94	-0.56 -3.65	0.56 3.65	-0.28 -3.49	0.28 3.49	-0.16	10.91	6.42	-0.01	11.10	6.66	0	0
6	K	0.45 0.70	37.83 24.77	2.95 2.47	-2.95 -2.47	-2.08 -2.75	2.08 2.75	-3.28	4.30	3.38	0.00	6.48	3.12	0	0
7	N	0.45 0.70	37.52 22.30	-2.95 -2.47	2.95 2.47	2.03 2.69	-2.03 -2.69	3.36	4.30	3.38	-0.00	6.48	3.12	0	0
7	M	0.70 0.70	75.88 50.89	0.56 3.65	-0.56 -3.65	-0.03 -3.32	0.03 3.32	0.08	10.91	6.42	-0.02	11.10	6.66	0	0
7	L	0.70 0.70	75.84 50.93	-0.56 -3.65	0.56 3.65	-0.05 -3.32	0.05 3.32	-0.16	10.91	6.42	0.01	11.10	6.66	0	0
7	K	0.45 0.70	36.02 22.41	2.95 2.47	-2.95 -2.47	1.92 2.55	-1.92 -2.55	-3.28	4.30	3.38	-0.00	6.48	3.12	0	0
8	N	0.45 0.70	39.99 24.74	-2.98 -2.48	2.98 2.48	-2.04 -2.81	2.04 2.81	3.49	4.52	3.57	0.07	6.47	3.10	0	0
8	M	0.70 0.70	67.93 37.86	0.89 3.64	-0.89 -3.64	-1.85 -3.25	1.85 3.25	-0.21	11.07	6.23	0.50	10.75	6.11	0	0

				39.38	3.64	3.64	3.23	3.23								
8	L	0.70	0.70	69.38	-0.89	0.89	-1.59	1.59	0.29	11.07	6.23	0.39	10.75	6.11	0	0
				39.81	-3.64	3.64	-3.37	3.37								
8	K	0.45	0.70	38.66	2.98	-2.98	-1.85	1.85	-3.57	4.50	3.56	0.07	6.47	3.10	0	0
				24.89	2.48	-2.48	-2.60	2.60								
9	N	0.45	0.45	19.30	-2.21	2.21	-0.88	0.88	1.99	2.57	1.87	1.84	2.55	1.82	0	0
				11.05	-1.93	1.93	-0.29	0.29								
9	M	0.70	0.45	24.55	3.56	-3.56	-1.17	1.17	-1.99	4.62	0.54	3.05	4.03	3.04	0	0
				11.87	3.09	-3.09	-0.39	0.39								
9	L	0.70	0.45	26.08	-3.56	3.56	-1.64	1.64	1.99	4.62	0.54	3.11	4.13	3.04	0	0
				11.88	-3.09	3.09	-0.43	0.43								
9	K	0.45	0.45	18.57	2.21	-2.21	-0.58	0.58	-1.99	2.57	1.87	1.84	2.55	1.82	0	0
				11.04	1.93	-1.93	-0.25	0.25								

9T50P516.66H510VK3G18D

BİLSAR A.Ş. MÜHENDİSLİK PROGRAMLARI (0212) 221 29 98 . HER HAKKI SAKLIDIR. SADECE TEM MÜHENDİSLİK LTD. TARAFINDAN KULLANILIR

S.S. KARAKÖY PERŞEMBE PAZARI TUCCARLARI TOPLU İŞYERİ YAPI KOOPERATİFİ 13.KAT KOLON BİLGİLERİ

KOLON		B	D	GDNK GDNK	GDYU GDYU	GDYA GDYA	YNY YNY	YNYU YNYU	YNYA YNYA	G.Cap	G.Ara					
4	N	0.45	0.45	10.01 5.52	-4.40 -3.63	2.73 2.25	1.28 0.46	-0.89 -0.29	0.66	1.71	0.87	-0.60	1.67	0.85	0	0
4	M	0.70	0.45	12.63 5.91	7.47 6.12	-3.80 -3.11	1.56 0.59	-1.18 -0.39	-0.66	2.24	0.44	-0.96	2.61	1.54	0	0
4	L	0.70	0.45	13.40 5.91	-7.47 -6.12	3.80 3.11	2.36 0.67	-1.65 -0.42	0.66	2.24	0.44	-0.99	2.65	1.54	0	0
4	K	0.45	0.45	9.64 5.51	4.40 3.63	-2.73 -2.25	0.75 0.37	-0.59 -0.25	-0.66	1.71	0.87	-0.60	1.67	0.85	0	0
5	N	0.45	0.70	19.11 11.22	-4.25 -3.73	2.96 2.48	3.12 4.57	-1.84 -2.57	1.09	2.89	1.80	-0.05	3.87	0.76	0	0
5	M	0.70	0.70	34.17 18.89	1.48 6.70	-0.53 -3.70	2.49 5.08	-1.69 -3.03	-0.02	6.77	2.21	-0.19	6.62	2.20	0	0
5	L	0.70	0.70	34.90 18.81	-1.48 -6.70	0.53 3.70	2.06 5.37	-1.43 -3.14	0.06	6.77	2.21	-0.15	6.62	2.20	0	0
5	K	0.45	0.70	18.43 11.29	4.25 3.73	-2.96 -2.48	2.72 4.04	-1.68 -2.39	-1.13	2.90	1.80	-0.05	3.87	0.76	0	0
6	N	0.45	0.70	19.67 12.38	-4.25 -3.72	2.95 2.47	-3.96 -5.25	2.21 2.92	1.06	2.75	1.70	0.00	3.94	0.77	0	0
6	M	0.70	0.70	38.16 25.80	1.51 6.57	-0.56 -3.65	-0.56 -5.99	0.30 3.49	0.06	6.69	2.34	0.01	6.96	2.53	0	0
6	L	0.70	0.70	38.16 25.83	-1.52 -6.57	0.56 3.65	-0.51 -6.02	0.28 3.49	-0.09	6.69	2.34	0.00	6.96	2.53	0	0
6	K	0.45	0.70	18.90 12.44	4.25 3.72	-2.95 -2.47	-3.56 -4.73	2.08 2.75	-1.02	2.75	1.70	0.00	3.94	0.77	0	0
7	N	0.45	0.70	18.76 11.19	-4.25 -3.72	2.95 2.47	3.67 4.89	-2.03 -2.69	1.06	2.75	1.70	-0.00	3.94	0.77	0	0
7	M	0.70	0.70	38.13 25.80	1.51 6.57	-0.56 -3.65	0.06 5.68	0.03 3.32	0.06	6.69	2.34	-0.01	6.96	2.53	0	0
7	L	0.70	0.70	38.10 25.83	-1.52 -6.57	0.56 3.65	0.01 5.71	0.05 3.32	-0.09	6.69	2.34	-0.00	6.96	2.53	0	0
7	K	0.45	0.70	18.01 11.25	4.25 3.72	-2.95 -2.47	3.32 4.44	-1.92 -2.55	-1.02	2.75	1.70	-0.00	3.94	0.77	0	0
8	N	0.45	0.70	20.07 12.42	-4.30 -3.72	2.98 2.48	-3.44 -4.96	2.04 2.81	1.09	2.90	1.80	0.05	3.87	0.76	0	0
8	M	0.70	0.70	34.23 20.29	2.04 6.50	-0.89 -3.64	-2.72 -5.47	1.85 3.25	-0.02	6.77	2.21	0.19	6.62	2.20	0	295 0

				10.15	0.30	3.84	3.43	3.23								
8	L	0.70	0.70	34.96	-2.04	0.89	-2.31	1.59	0.06	6.77	2.21	0.15	6.62	2.20	0	0
				20.20	-6.51	3.64	-5.74	3.37								
8	K	0.45	0.70	19.41	4.30	-2.98	-2.99	1.85	-1.13	2.89	1.80	0.05	3.87	0.76	0	0
				12.51	3.72	-2.48	-4.37	2.60								
9	N	0.45	0.45	9.65	-3.35	2.21	-1.26	0.88	0.66	1.71	0.87	0.60	1.67	0.85	0	0
				5.52	-2.92	1.93	-0.46	0.29								
9	M	0.70	0.45	12.32	6.71	-3.56	-1.54	1.17	-0.66	2.24	0.44	0.96	2.61	1.54	0	0
				5.98	5.83	-3.09	-0.59	0.39								
9	L	0.70	0.45	13.09	-6.71	3.56	-2.35	1.64	0.66	2.24	0.44	0.99	2.65	1.54	0	0
				5.98	-5.83	3.09	-0.68	0.43								
9	K	0.45	0.45	9.28	3.35	-2.21	-0.73	0.58	-0.66	1.71	0.87	0.60	1.67	0.85	0	0
				5.52	2.92	-1.93	-0.37	0.25								

S.S. KARAKÖY PERŞEMBE PAZARI TİCCARLARI TOPLU İŞYERİ YAPI KOOPERATİFİ 1.KAT KOLON ÇÖZÜMLERİ

BETON =				BS20	DEMİR =		3650.0			
KOLON	B	D	N	MX	MY	Ro	As	Asb	Asd	
4	N	0.55	0.55	166.062	-1.620	-11.766	0.50	15.12	15.03	5.14
				149.920	-1.620	17.860	0.50	15.12	15.08	5.08
				145.950	-16.060	3.880	0.50	15.12	5.34	14.83
								15.12	15.08	14.83
4	M	1.00	0.55	291.759	0.730	-18.223	0.50	27.50	27.50	9.17
				269.710	0.730	32.520	0.50	27.50	27.50	9.17
				320.050	72.750	9.230	0.50	27.50	9.65	27.01
								27.50	27.50	27.01
4	L	1.00	0.55	284.829	1.360	-20.461	0.50	27.50	27.49	9.18
				352.600	72.140	7.120	0.50	27.50	9.46	27.20
								27.50	27.49	27.20
4	K	0.55	0.55	149.995	0.880	-12.806	0.50	15.12	15.10	5.07
				144.440	0.880	17.160	0.50	15.12	15.11	5.05
				145.040	14.080	2.950	0.50	15.12	5.26	14.90
								15.12	15.11	14.90
5	N	0.55	1.00	228.179	-5.150	-72.129	0.50	27.50	27.35	9.32
				377.890	-5.150	74.770	0.50	27.50	27.36	9.31
				263.390	-39.190	2.740	0.50	27.50	9.18	27.49
								27.50	27.36	27.49
5	M	1.00	1.00	455.785	-4.860	-117.553	0.50	50.00	49.97	16.70
				789.800	-4.860	-121.320	0.50	50.00	49.97	16.69
				806.670	-133.430	-6.170	0.50	50.00	16.70	49.96
								50.00	49.97	49.96
5	L	1.00	1.00	430.030	6.290	-114.084	0.50	50.00	49.95	16.72
				749.250	6.290	-117.920	0.50	50.00	49.95	16.71
				742.400	129.450	-5.510	0.50	50.00	16.70	49.97
								50.00	49.95	49.97
5	K	0.55	1.00	209.277	1.870	-77.487	0.50	27.50	27.48	9.18
				366.800	1.870	-79.570	0.50	27.50	27.48	9.18
				281.040	31.070	-2.290	0.50	27.50	9.18	27.48
								27.50	27.48	27.48
6	N	0.55	1.00	208.698	-6.940	-74.099	0.50	27.50	27.23	9.43
				380.620	-6.940	-77.570	0.50	27.50	27.26	9.41
				308.190	-30.520	-5.910	0.50	27.50	9.27	27.40
								27.50	27.26	27.40
6	M	1.00	1.00	437.692	-5.590	-119.074	0.50	50.00	49.96	16.70
				791.550	-5.590	-121.830	0.50	50.00	49.96	16.70
				805.920	-136.600	-4.070	0.50	50.00	16.68	49.99
								50.00	49.96	49.99

6	L	1.00	1.00	427.678	6.310	-117.652	0.50	50.00	49.95	16.71
				773.140	6.310	-120.410	0.50	50.00	49.95	16.71
				768.490	129.150	-4.090	0.50	50.00	16.68	49.98
								50.00	49.95	49.98
6	K	0.55	1.00	211.176	4.760	-75.967	0.50	27.50	27.38	9.29
				382.480	4.760	-78.220	0.50	27.50	27.39	9.28
				307.050	32.680	-3.810	0.50	27.50	9.20	27.46
								27.50	27.39	27.46
7	N	0.55	1.00	232.869	-6.940	-69.319	0.50	27.50	27.20	9.47
				366.420	-6.940	76.970	0.50	27.50	27.25	9.41
				294.320	-29.680	5.410	0.50	27.50	9.26	27.41
								27.50	27.25	27.41
7	M	1.00	1.00	444.848	-5.590	-116.663	0.50	50.00	49.96	16.70
				770.620	-5.590	121.620	0.50	50.00	49.96	16.70
				785.010	-136.740	3.760	0.50	50.00	16.68	49.99
								50.00	49.96	49.99
7	L	1.00	1.00	425.287	6.310	-115.235	0.50	50.00	49.95	16.72
				770.760	6.310	120.230	0.50	50.00	49.95	16.71
				766.190	129.220	3.780	0.50	50.00	16.68	49.99
								50.00	49.95	49.99
7	K	0.55	1.00	206.439	4.760	-72.949	0.50	27.50	27.37	9.30
				357.450	4.760	77.070	0.50	27.50	27.39	9.28
				282.150	32.660	3.490	0.50	27.50	9.20	27.47
								27.50	27.39	27.47
8	M	0.55	1.00	236.059	-5.170	-71.402	0.50	27.50	27.34	9.33
				421.910	-5.170	-74.570	0.50	27.50	27.35	9.31
				310.290	-36.840	-3.510	0.50	27.50	9.19	27.47
								27.50	27.35	27.47
8	M	1.00	1.00	427.781	-4.860	-114.390	0.50	50.00	49.97	16.70
				766.880	-4.860	121.550	0.50	50.00	49.97	16.69
				782.360	-133.520	5.270	0.50	50.00	16.69	49.97
								50.00	49.97	49.97
8	L	1.00	1.00	448.437	6.310	-112.600	0.50	50.00	49.95	16.72
				756.460	6.310	118.600	0.50	50.00	49.95	16.71
				750.780	129.980	4.740	0.50	50.00	16.69	49.98
								50.00	49.95	49.98
8	K	0.55	1.00	216.133	1.870	-79.019	0.50	27.50	27.48	9.18
				387.690	1.870	-81.010	0.50	27.50	27.48	9.18
				305.070	30.510	-2.090	0.50	27.50	9.18	27.49
								27.50	27.48	27.49
9	N	0.55	0.55	71.313	-1.340	-16.352	0.50	15.12	15.09	5.08
				156.670	-1.340	-18.040	0.50	15.12	15.10	5.07
				154.290	-15.710	-3.920	0.50	15.12	5.36	14.81
								15.12	15.10	14.81

9	M	1.00	0.55	110.370	0.770	-28.393	0.50	27.50	27.50	9.17
				252.400	0.770	-32.600	0.50	27.50	27.50	9.17
				303.320	73.000	-9.310	0.50	27.50	9.66	27.01
								27.50	27.50	27.01
9	L	1.00	0.55	110.241	1.300	-32.452	0.50	27.50	27.50	9.17
				253.670	1.300	-35.980	0.50	27.50	27.50	9.17
				363.820	73.010	-7.290	0.50	27.50	9.47	27.20
								27.50	27.50	27.20
9	K	0.55	0.55	64.136	25.575	-4.980	0.50	17.58	6.08	17.35
				140.430	1.100	-26.540	0.50	15.12	15.12	5.05
								17.58	15.12	17.35

S.S. KARAKÖY PERŞEMBE PAZARI TUCCARLARI TOPLU İŞYERİ YAPI KOOPERATİFİ 2.KAT KOLON ÇÖZÜMLERİ

BETON =			BS20		DEMİR =		3650.0						
KOLON	B	D	N	MX	MY	Rx	As	Asb	Asd	Köşe	B	D	ETR
4	N	0.55	0.55	150.371	1.620	-13.284	0.50	15.12	15.05	5.12			
				224.790	1.620	-14.950	0.50	15.12	15.07	5.10			
				228.050	15.560	-3.880	0.50	15.12	5.36	14.81			
								15.12	15.07	14.81			
4	M	1.00	0.55	259.785	-0.730	-21.137	0.50	27.50	27.50	9.17			
				388.480	-0.730	-25.300	0.50	27.50	27.50	9.17			
				345.990	-52.760	-9.230	0.50	27.50	10.09	26.57			
								27.50	27.50	26.57			
4	L	1.00	0.55	256.147	-1.360	-42.519	0.50	27.50	27.50	9.17			
				376.730	-1.360	-45.940	0.50	27.50	27.50	9.17			
				273.850	-46.500	-7.120	0.50	27.50	9.88	26.79			
								27.50	27.50	26.79			
4	K	0.55	0.55	137.242	-0.880	-13.304	0.50	15.12	15.10	5.06			
				209.120	-0.880	-14.850	0.50	15.12	15.11	5.06			
				210.600	-8.700	-2.950	0.50	15.12	5.62	14.55			
								15.12	15.11	14.55			
5	N	0.55	1.00	457.030	82.920	-2.740	1.32	72.63	24.22	72.62			
				357.820	5.150	-106.680	0.61	33.81	33.82	11.29			
								72.63	33.82	72.62			
5	M	1.00	1.00	415.524	4.860	-66.677	0.50	50.00	49.91	16.75			
				712.190	4.860	75.450	0.50	50.00	49.93	16.74			
				699.770	108.240	6.170	0.50	50.00	16.72	49.95			
								50.00	49.93	49.95			
5	L	1.00	1.00	393.168	-6.290	-86.676	0.50	50.00	49.91	16.75			
				701.470	-6.290	93.860	0.50	50.00	49.93	16.74			
				701.890	-91.420	5.510	0.50	50.00	16.73	49.94			
								50.00	49.93	49.94			
5	K	0.55	1.00	192.100	0.000	-46.860	0.50	27.50	27.50	9.17			
				269.290	-30.310	0.000	0.50	27.50	9.19	27.48			
								27.50	27.50	27.48			
6	N	0.55	1.00	436.220	70.880	5.910	1.02	56.00	18.71	55.96			
				372.760	6.940	99.770	0.60	33.20	33.03	11.24			
								56.00	33.03	55.96			
6	M	1.00	1.00	400.536	5.590	-50.966	0.50	50.00	49.80	16.87			
				744.400	5.590	56.350	0.50	50.00	49.84	16.83			
				732.430	85.520	4.070	0.50	50.00	16.70	49.96			
								50.00	49.84	49.96			
6	L	1.00	1.00	391.742	-6.310	-72.608	0.50	50.00	49.87	16.79			

				707.030	-6.310	78.030	0.50	50.00	49.89	16.78
				705.230	-77.100	4.090	0.50	50.00	16.71	49.95
								50.00	49.89	49.95
6	K	0.55	1.00	196.744	0.000	-48.400	0.50	27.50	27.50	9.17
				271.134	-29.530	0.000	0.50	27.50	9.19	27.48
								27.50	27.50	27.48
7	N	0.55	1.00	423.980	69.420	-5.410	0.95	52.11	17.40	52.08
				360.590	6.940	-98.950	0.56	30.65	30.48	10.38
								52.11	30.48	52.08
7	M	1.00	1.00	408.375	5.590	-52.057	0.50	50.00	49.81	16.86
				725.770	5.590	-54.620	0.50	50.00	49.83	16.84
				713.710	82.610	-3.760	0.50	50.00	16.70	49.97
								50.00	49.83	49.97
7	L	1.00	1.00	390.123	-6.310	-74.305	0.50	50.00	49.88	16.79
				706.780	-6.310	-76.870	0.50	50.00	49.89	16.78
				705.010	-74.720	-3.780	0.50	50.00	16.71	49.96
								50.00	49.89	49.96
7	K	0.55	1.00	187.710	0.000	-48.440	0.50	27.50	27.50	9.17
				261.890	-29.750	0.000	0.50	27.50	9.19	27.48
								27.50	27.50	27.48
8	N	0.55	1.00	497.780	79.030	3.510	1.37	75.61	25.22	75.59
				399.430	5.170	103.360	0.71	39.31	39.20	13.21
								75.61	39.20	75.59
8	M	1.00	1.00	337.654	4.860	-61.240	0.50	50.00	49.90	16.77
				638.200	4.860	-64.620	0.50	50.00	49.91	16.76
				676.750	101.260	-5.270	0.50	50.00	16.71	49.95
								50.00	49.91	49.95
8	L	1.00	1.00	411.499	-6.310	-83.710	0.50	50.00	49.91	16.76
				710.150	-6.310	-87.190	0.50	50.00	49.91	16.75
				709.750	-84.770	-4.740	0.50	50.00	16.72	49.95
								50.00	49.91	49.95
8	K	0.55	1.00	196.638	0.000	-46.460	0.50	27.50	27.50	9.17
				278.408	-30.810	0.000	0.50	27.50	9.19	27.48
								27.50	27.50	27.48
9	N	0.55	0.55	65.116	-1.770	-12.094	0.50	15.12	15.02	5.15
				231.300	1.340	12.670	0.50	15.12	15.07	5.10
				233.510	14.060	3.920	0.50	15.12	5.43	14.73
								15.12	15.07	14.73
9	M	1.00	0.55	93.996	1.540	-16.630	0.50	27.50	27.48	9.19
				370.450	-0.770	25.380	0.50	27.50	27.50	9.17
				327.350	-47.060	9.310	0.50	27.50	10.35	26.31
								27.50	27.50	26.31

9	L	1.00	0.55	99.358	2.600	-27.899	0.50	27.50	27.48	9.19
				385.530	-1.300	36.330	0.50	27.50	27.50	9.17
				282.490	-41.650	7.290	0.50	27.50	10.10	26.57
								27.50	27.50	26.57
9	K	0.55	0.55	204.790	-1.100	46.130	1.09	33.11	33.11	11.04
				58.212	33.365	4.980	0.94	28.48	9.71	28.27
								33.11	33.11	28.27

9Ts0Ps16.66Hs10Vv3G18D

BİLSAR A.Ş. MÜHENDİSLİK PROGRAMLARI (0212) 221 29 98 . HER HAKKI SAKLIDIR. SADECE TEM MÜHENDİSLİK LTD. TARAFINDAN KULLANILIR

S.S. KARAKÖY PERŞEMBE PAZARI TUCCARLARI TOPLU İŞYERİ YAPI KOOPERATİFİ 3.KAT KOLON ÇÖZÜMLERİ

BETON = BS20 DEMİR = 3650.0

KOLON	B	D	N	MX	MY	Ra	As	Asb	Asd	Köşe	B	D	ETR
4	N	0.55	0.55	138.307	2.220	-9.610	0.50	15.12	14.86	5.31			
				140.757	10.668	0.000	0.50	15.12	5.05	15.11			
								15.12	14.86	15.11			
4	M	1.00	0.55	226.782	-1.490	-18.436	0.50	27.50	27.48	9.18			
				339.810	-1.490	-23.990	0.50	27.50	27.49	9.18			
				245.100	24.810	5.040	0.50	27.50	10.42	26.25			
								27.50	27.49	26.25			
4	L	1.00	0.55	231.786	-2.850	-24.071	0.50	27.50	27.46	9.21			
				345.270	-2.850	-26.290	0.50	27.50	27.47	9.20			
				249.400	-21.410	5.040	0.50	27.50	10.85	25.82			
								27.50	27.47	25.82			
4	K	0.55	0.55	135.280	4.340	-3.610	0.50	15.12	8.53	11.64			
				132.220	4.340	4.970	0.50	15.12	11.28	8.69			
				130.740	11.110	0.820	0.50	15.12	5.07	15.10			
								15.12	11.28	15.10			
5	N	0.55	1.00	118.994	-85.064	5.900	0.84	46.22	15.44	46.18			
				335.430	-8.060	76.720	0.50	27.50	27.17	9.50			
								46.22	27.17	46.18			
5	M	1.00	1.00	372.330	3.440	-15.124	0.50	50.00	49.14	17.53			
				645.580	-0.700	27.750	0.50	50.00	49.99	16.68			
				644.420	61.980	-3.910	0.50	50.00	16.73	49.93			
								50.00	49.99	49.93			
5	L	1.00	1.00	373.348	-7.590	-13.431	0.50	50.00	44.88	21.99			
				651.250	-7.590	25.480	0.50	50.00	48.52	18.15			
				647.560	-54.320	-3.910	0.50	50.00	16.75	49.91			
								50.00	48.52	49.91			
5	K	0.55	1.00	106.946	63.484	5.670	0.83	45.65	15.25	45.61			
				184.136	8.060	94.063	0.51	27.96	27.73	9.55			
								45.65	27.73	45.61			
6	N	0.55	1.00	126.513	-54.815	-6.660	0.68	37.33	12.50	37.28			
				357.920	-8.040	-77.430	0.50	27.50	27.17	9.49			
								37.33	27.17	37.28			
6	M	1.00	1.00	384.438	3.430	-10.543	0.50	50.00	48.24	18.43			
				384.738	0.000	13.796	0.50	50.00	50.00	16.67			
				390.020	45.420	7.500	0.50	50.00	16.77	49.90			

				0.00	0.00	0.00	0.00	0.00	0.00	0.00
6	L	1.00	1.00	385.262	0.000	-33.610	0.50	50.00	50.00	16.67
				698.030	-45.350	-3.500	0.50	50.00	16.77	49.90
								50.00	50.00	49.90
6	K	0.55	1.00	118.890	61.305	-6.510	0.85	46.89	15.68	46.84
				349.980	8.040	-101.170	0.57	31.43	31.21	10.70
								46.89	31.21	46.84
7	H	0.55	1.00	117.367	-54.685	6.070	0.70	38.56	12.90	38.52
				334.850	-8.040	76.840	0.50	27.50	27.17	9.50
								38.56	27.17	38.52
7	H	1.00	1.00	384.540	3.430	-10.632	0.50	50.00	48.27	18.40
				700.340	3.430	-13.980	0.50	50.00	49.00	17.67
				697.760	45.170	-3.510	0.50	50.00	16.77	49.90
								50.00	49.00	49.90
7	L	1.00	1.00	383.643	0.000	-32.960	0.50	50.00	50.00	16.67
				697.810	-45.390	-3.510	0.50	50.00	16.77	49.90
								50.00	50.00	49.90
7	K	0.55	1.00	109.846	61.035	5.960	0.87	47.98	16.04	47.93
				184.026	6.040	96.944	0.54	29.95	29.72	10.21
								47.98	29.72	47.93
8	N	0.55	1.00	123.713	-64.674	-6.500	0.92	50.36	16.84	50.31
				398.850	-8.060	-77.030	0.50	27.50	27.17	9.50
								50.36	27.17	50.31
8	N	1.00	1.00	384.626	-0.130	-24.010	0.50	50.00	50.00	16.67
				652.720	61.700	-3.140	0.50	50.00	16.71	49.96
								50.00	50.00	49.96
8	L	1.00	1.00	370.142	-8.370	-22.214	0.50	50.00	47.63	19.03
				659.490	-8.370	-24.850	0.50	50.00	48.11	18.56
				659.870	-53.950	-3.140	0.50	50.00	16.72	49.94
								50.00	48.11	49.94
8	K	0.55	1.00	116.764	62.294	-6.250	0.88	48.43	16.19	48.38
				350.720	8.060	-97.100	0.52	28.62	28.40	9.76
								48.43	28.40	48.38
9	N	0.55	0.55	61.277	-3.690	-7.547	0.50	15.12	13.92	6.25
				206.630	1.770	14.320	0.50	15.12	15.05	5.12
				130.940	-13.690	-1.080	0.50	15.12	5.07	15.09
								15.12	15.05	15.09
9	M	1.00	0.55	94.554	5.110	-13.152	0.50	27.50	27.08	9.59
				226.854	-1.540	12.870	0.50	27.50	27.46	9.21
				253.520	24.920	-5.200	0.50	27.50	10.49	26.18

								27.50	27.46	25.18
9	L	1.00	0.55	96.489	-5.110	-13.512	0.50	27.50	27.10	9.56
				353.490	-2.600	23.140	0.50	27.50	27.46	9.20
				258.200	-21.140	-5.200	0.50	27.50	11.00	25.67
								27.50	27.46	25.67
9	K	0.55	0.55	57.570	0.000	-24.120	0.50	15.12	15.12	5.04
				132.570	-17.610	0.000	0.50	15.12	5.05	15.11
								15.12	15.12	15.11

9T50P516.66H510V63G18D

BİLSAR A.Ş. MÜHENDİSLİK PROGRAMLARI (0212) 221 29 98 . HER HAKKI SAKLIDIR. SADECE TEM MÜHENDİSLİK LTD. TARAFINDAN KULLANILIR

S.S. KARAKÖY PERŞEMBE PAZARI TUCCARLARI TOPLU İŞYERİ YAPI KOOPERATİFİ 4.KAT KOLON ÇÖZÜMLERİ

BETON =			BS20		DEMİR =		3650.0						
KOLON	B	D	N	MX	MY	Rd	As	Asb	Asd	Köşe	B	D	ETR
4	N	0.50	0.50	122.220	5.920	-10.746	0.50	12.50	11.24	5.43			
				187.710	5.920	-11.200	0.50	12.50	11.34	5.33			
				124.640	-14.030	1.340	0.50	12.50	4.20	12.46			
								12.50	11.34	12.46			
4	N	0.90	0.50	198.797	-6.650	-20.330	0.50	22.50	22.25	7.75			
				186.540	5.840	22.600	0.50	22.50	22.35	7.65			
				217.970	23.880	6.210	0.50	22.50	9.14	20.86			
								22.50	22.35	20.86			
4	L	0.90	0.50	203.462	6.660	-21.510	0.50	22.50	22.28	7.72			
				189.250	-5.850	23.930	0.50	22.50	22.36	7.64			
				221.810	-24.450	6.210	0.50	22.50	9.07	20.93			
								22.50	22.36	20.93			
4	K	0.50	0.50	119.166	-5.920	-13.523	0.50	12.50	11.70	4.96			
				184.240	-5.920	-13.510	0.50	12.50	11.75	4.92			
				120.360	14.550	1.020	0.50	12.50	4.19	12.48			
								12.50	11.75	12.48			
5	N	0.50	0.90	174.633	5.440	-25.304	0.50	22.50	21.66	8.34			
				305.270	5.440	-31.720	0.50	22.50	21.79	8.21			
				243.740	-17.500	4.850	0.50	22.50	7.68	22.32			
								22.50	21.79	22.32			
5	N	0.90	0.90	334.960	-4.520	-45.200	0.50	40.50	40.36	13.63			
				587.610	4.260	-48.340	0.50	40.50	40.40	13.60			
				582.830	47.560	-4.520	0.50	40.50	13.62	40.38			
								40.50	40.40	40.38			
5	L	0.90	0.90	336.426	4.530	-49.930	0.50	40.50	40.39	13.61			
				585.120	4.530	55.600	0.50	40.50	40.41	13.59			
				584.940	-48.890	-4.520	0.50	40.50	13.62	40.38			
								40.50	40.41	40.38			
5	K	0.50	0.90	168.322	-5.440	-45.043	0.50	22.50	22.15	7.85			
				298.730	-5.440	-47.390	0.50	22.50	22.18	7.82			
				236.070	17.760	4.630	0.50	22.50	7.66	22.34			
								22.50	22.18	22.34			
6	N	0.50	0.90	181.512	5.440	-22.711	0.50	22.50	21.11	8.89			
				324.370	5.440	28.850	0.50	22.50	21.64	8.36			
				264.860	-18.500	-5.480	0.50	22.50	7.70	22.30			

							22.30	21.64	22.30	
6	M	0.90	0.90	347.653	-4.510	-49.322	0.50	40.50	40.39	13.61
				635.180	-4.510	54.110	0.50	40.50	40.41	13.59
				635.360	47.430	-4.090	0.50	40.50	13.60	40.40
								40.50	40.41	40.40
6	L	0.90	0.90	348.466	4.510	-55.452	0.50	40.50	40.41	13.59
				634.430	4.510	60.240	0.50	40.50	40.42	13.58
				636.750	-47.650	-4.090	0.50	40.50	13.60	40.40
								40.50	40.42	40.40
6	K	0.50	0.90	174.663	-5.440	-40.316	0.50	22.50	22.06	7.94
				317.150	-5.440	46.310	0.50	22.50	22.16	7.84
				258.940	17.130	-5.330	0.50	22.50	7.72	22.28
								22.50	22.16	22.28
7	H	0.50	0.90	173.133	5.440	-25.987	0.50	22.50	21.44	8.56
				303.400	5.440	-28.450	0.50	22.50	21.61	8.39
				243.930	-18.430	5.000	0.50	22.50	7.67	22.33
								22.50	21.61	22.33
7	M	0.90	0.90	347.615	-4.510	-49.243	0.50	40.50	40.39	13.61
				634.760	-4.510	54.050	0.50	40.50	40.41	13.59
				635.100	47.210	-4.100	0.50	40.50	13.60	40.40
								40.50	40.41	40.40
7	L	0.90	0.90	348.739	4.510	-55.353	0.50	40.50	40.41	13.59
				635.690	4.510	60.160	0.50	40.50	40.42	13.58
				636.490	-47.360	-4.100	0.50	40.50	13.60	40.40
								40.50	40.42	40.40
7	K	0.50	0.90	168.396	-5.440	-43.510	0.50	22.50	22.12	7.88
				296.200	-5.440	-46.930	0.50	22.50	22.16	7.84
				238.020	17.090	4.830	0.50	22.50	7.69	22.31
								22.50	22.16	22.31
8	H	0.50	0.90	183.129	5.460	-26.173	0.50	22.50	21.44	8.56
				326.560	5.460	32.120	0.50	22.50	21.80	8.20
				387.900	14.000	4.300	0.50	22.50	7.72	22.28
								22.50	21.80	22.28
8	M	0.90	0.90	327.701	-4.530	-45.627	0.50	40.50	40.37	13.63
				588.210	4.280	-47.060	0.50	40.50	40.39	13.61
				591.120	46.920	-3.700	0.50	40.50	13.58	40.42
								40.50	40.39	40.42
8	L	0.90	0.90	332.758	4.530	-50.307	0.50	40.50	40.39	13.61
				597.510	4.530	54.310	0.50	40.50	40.41	13.59
				593.210	-48.260	-3.700	0.50	40.50	13.58	40.42
								40.50	40.41	40.42
8	K	0.50	0.90	177.325	-5.450	-42.434	0.50	22.50	22.10	7.90
				320.090	-5.450	48.140	0.50	22.50	22.19	7.81
				257.660	17.790	-5.090	0.50	22.50	7.69	22.31

11.50 11.15 11.51

9	N	0.50	0.50	58.374	-4.590	-9.268	0.50	12.50	11.48	5.19
				184.260	5.030	11.170	0.50	12.50	11.66	5.01
				121.320	-13.160	-1.330	0.50	12.50	4.21	12.46
								12.50	11.66	12.46

9	N	0.90	0.50	86.422	5.960	-19.594	0.50	22.50	22.29	7.71
				193.300	5.960	-22.810	0.50	22.50	22.34	7.66
				224.810	23.460	-6.420	0.50	22.50	9.32	20.68
								22.50	22.34	20.68

9	L	0.90	0.50	88.687	-5.960	-20.194	0.50	22.50	22.30	7.70
				196.010	-5.960	-23.410	0.50	22.50	22.35	7.65
				228.570	-24.000	-6.420	0.50	22.50	9.24	20.76
								22.50	22.35	20.76

9	K	0.50	0.50	54.740	-5.030	-15.621	0.50	12.50	12.07	4.60
				180.880	-5.030	17.460	0.50	12.50	12.15	4.51
				182.970	-17.940	1.110	0.50	12.50	4.18	12.48
								12.50	12.15	12.48

9Ts0Ps16.66Hs10Vv3618D

BİLSAR A.Ş. MÜHENDİSLİK PROGRAMLARI (0212) 221 29 98 . HER HAKKI SAKLIDIR. SADECE TEM MÜHENDİSLİK LTD. TARAFINDAN KULLANILIR

S.S. KARAKÖY PERŞEMBE PAZARI TUCARLARI TOPLU İŞYERİ YAPI KOOPERATİFİ 5.KAT KOLON ÇÖZÜMLERİ

BETON =		B520		DEMİR =		3650.0							
KOLON	R	D	N	MX	MY	Ro	As	Asb	Asd	Köşe	R	D	ETR
4	N	0.50	0.50	107.964	5.330	-6.057	0.50	12.50	9.27	7.39			
				116.130	-5.350	8.070	0.50	12.50	10.67	6.00			
				114.410	-12.640	1.340	0.50	12.50	4.21	12.45			
								12.50	10.67	12.45			
4	N	0.90	0.50	171.260	-5.840	-13.703	0.50	22.50	22.08	7.92			
				258.300	-5.840	-16.790	0.50	22.50	22.22	7.78			
				191.090	17.500	1.950	0.50	22.50	7.80	22.20			
								22.50	22.22	22.20			
4	L	0.90	0.50	175.525	5.850	-13.693	0.50	22.50	22.08	7.92			
				263.010	5.850	-16.780	0.50	22.50	22.22	7.78			
				195.010	-17.380	2.470	0.50	22.50	7.90	22.01			
								22.50	22.22	22.01			
4	K	0.50	0.50	105.064	5.350	-6.054	0.50	12.50	9.25	7.42			
				112.710	5.350	7.740	0.50	12.50	10.51	6.16			
				111.070	12.540	1.020	0.50	12.50	4.19	12.47			
								12.50	10.51	12.47			
5	N	0.50	0.90	157.053	6.410	-21.054	0.50	22.50	20.23	9.75			
				274.610	6.410	-24.050	0.50	22.50	20.77	9.23			
				325.590	23.240	-4.850	0.50	22.50	7.60	22.40			
								22.50	20.77	22.40			
5	N	0.50	0.90	298.543	4.020	-26.787	0.50	40.50	40.20	13.80			
				515.650	4.020	34.390	0.50	40.50	40.32	13.68			
				517.160	36.720	5.650	0.50	40.50	13.82	40.18			
								40.50	40.32	40.18			
5	L	0.90	0.90	300.361	-4.020	-27.224	0.50	40.50	40.21	13.79			
				520.490	-4.020	34.260	0.50	40.50	40.31	13.69			
				519.720	-36.430	5.380	0.50	40.50	13.79	40.21			
								40.50	40.31	40.21			
5	K	0.50	0.90	151.567	-6.400	-23.576	0.50	22.50	20.71	9.29			
				268.940	-6.400	-26.460	0.50	22.50	21.08	8.92			
				320.740	-23.090	-4.630	0.50	22.50	7.59	22.41			
								22.50	21.08	22.41			
6	N	0.50	0.90	162.879	-6.400	-19.943	0.50	22.50	20.00	10.00			
				291.500	6.400	23.620	0.50	22.50	20.72	9.28			
				340.710	21.440	5.480	0.50	22.50	7.65	22.35			
								22.50	20.72	22.35			

6	H	0.90	0.90	311.903	4.240	-30.122	0.50	40.50	40.23	13.77
				570.830	4.240	-34.040	0.50	40.50	40.29	13.71
				570.720	36.330	-4.170	0.50	40.50	13.68	40.32
								40.50	40.29	40.32
6	L	0.90	0.90	312.487	-4.260	-30.193	0.50	40.50	40.23	13.77
				571.520	-4.260	-34.110	0.50	40.50	40.29	13.71
				571.600	-36.260	-4.160	0.50	40.50	13.68	40.32
								40.50	40.29	40.32
6	K	0.50	0.90	156.705	6.400	-21.160	0.50	22.50	20.28	9.72
				285.000	-6.400	26.350	0.50	22.50	21.07	8.93
				333.400	-22.430	5.330	0.50	22.50	7.63	22.37
								22.50	21.07	22.37
7	H	0.50	0.90	155.406	6.400	-20.075	0.50	22.50	20.03	9.97
				272.630	6.400	-23.140	0.50	22.50	20.64	9.36
				321.830	21.450	-5.000	0.50	22.50	7.63	22.37
								22.50	20.64	22.37
7	H	0.90	0.90	311.896	4.240	-29.977	0.50	40.50	40.23	13.77
				570.770	4.240	-33.790	0.50	40.50	40.29	13.71
				570.460	36.270	-3.930	0.50	40.50	13.66	40.34
								40.50	40.29	40.34
7	L	0.90	0.90	311.240	-4.260	-30.076	0.50	40.50	40.23	13.77
				570.220	-4.260	-33.890	0.50	40.50	40.29	13.71
				571.340	-36.220	-3.940	0.50	40.50	13.66	40.34
								40.50	40.29	40.34
7	K	0.50	0.50	149.304	-6.400	-22.500	0.50	22.50	20.60	9.40
				266.170	-6.400	-25.500	0.50	22.50	21.02	8.98
				314.560	-22.410	-4.690	0.50	22.50	7.61	22.39
								22.50	21.02	22.39
8	H	0.50	0.90	164.157	-6.420	-19.922	0.50	22.50	19.98	10.02
				293.790	6.420	24.530	0.50	22.50	20.84	9.16
				344.730	23.300	5.340	0.50	22.50	7.62	22.38
								22.50	20.84	22.38
8	H	0.90	0.90	292.109	4.270	-30.783	0.50	40.50	40.24	13.76
				523.980	4.270	-34.780	0.50	40.50	40.30	13.70
				525.520	36.840	-6.130	0.50	40.50	13.87	40.13
								40.50	40.30	40.13
8	L	0.90	0.90	296.807	-4.270	-30.645	0.50	40.50	40.24	13.76
				528.790	-4.270	-34.670	0.50	40.50	40.30	13.70
				528.020	-36.540	-5.870	0.50	40.50	13.85	40.15
								40.50	40.30	40.15
8	K	0.50	0.90	158.634	6.420	-21.005	0.50	22.50	20.23	9.77
				288.310	-6.420	27.100	0.50	22.50	21.14	8.86
				340.050	-22.990	5.090	0.50	22.50	7.61	22.39

							22.50	21.14	22.33	
9	N	0.50	0.50	54.324	-4.570	-7.608	0.50	12.50	11.00	5.67
				113.000	-4.570	-8.020	0.50	12.50	11.15	5.52
				111.310	-11.830	-1.330	0.50	12.50	4.22	12.45
								12.50	11.15	12.45
9	M	0.90	0.50	79.129	6.910	-13.119	0.50	22.50	21.86	8.14
				263.540	-5.960	17.000	0.50	22.50	22.22	7.78
				196.360	17.310	-1.950	0.50	22.50	7.81	22.19
								22.50	22.22	22.19
9	L	0.90	0.50	81.794	-6.910	-13.761	0.50	22.50	21.92	8.08
				268.250	5.960	17.130	0.50	22.50	22.22	7.78
				200.300	-17.220	-2.460	0.50	22.50	8.00	22.00
								22.50	22.22	22.00
9	K	0.50	0.50	51.313	4.570	-7.177	0.50	12.50	10.81	5.86
				109.610	4.570	-7.530	0.50	12.50	10.97	5.70
				108.000	11.570	-1.010	0.50	12.50	4.20	12.47
								12.50	10.97	12.47

9T50P516.66H510VK3G18D

BİLSAR A.Ş. MÜHENDİSLİK PROGRAMLARI (0212) 221 29 98 . HER HAKKI SAKLIDIR. SADECE TEM MÜHENDİSLİK LTD. TARAFINDAN KULLANILIR

S.S. KARAKÖY PERŞEMBE PAZARI TİCCARLARI TOPLU İŞYERİ YAPI KOOPERATİFİ 6.KAT KOLON ÇÖZÜMLERİ

BETON = B620 DEMİR = 3650.0

KOLON	B	D	N	MX	MY	R ₀	A _s	A _{sb}	A _{sd}	Köşe	B	D	ETR
4	N	0.50	0.50	94.059	5.350	-6.717	0.50	12.50	9.86	6.81			
				104.830	-5.350	7.450	0.50	12.50	10.35	6.32			
				103.510	-11.670	1.330	0.50	12.50	4.22	12.45			
								12.50	10.35	12.45			
4	M	0.90	0.50	151.085	-7.000	-11.289	0.50	22.50	21.61	8.39			
				155.510	6.800	18.060	0.50	22.50	22.17	7.83			
				176.960	17.580	6.480	0.50	22.50	10.80	19.20			
								22.50	22.17	19.20			
4	L	0.90	0.50	154.520	7.000	-11.760	0.50	22.50	21.68	8.32			
				158.000	-6.800	18.320	0.50	22.50	22.18	7.82			
				180.090	-17.600	6.480	0.50	22.50	10.79	19.21			
								22.50	22.18	19.21			
4	K	0.50	0.50	91.442	-5.350	-6.616	0.50	12.50	9.76	6.83			
				101.846	5.350	7.210	0.50	12.50	10.21	6.46			
				100.540	11.690	1.010	0.50	12.50	4.20	12.47			
								12.50	10.21	12.47			
5	N	0.50	0.50	139.056	-6.690	-12.110	0.50	22.50	15.10	14.90			
				243.240	-6.690	19.900	0.50	22.50	19.75	10.25			
				284.750	17.110	-4.850	0.50	22.50	7.69	22.31			
								22.50	19.75	22.31			
5	M	0.90	0.90	265.275	5.210	-29.896	0.50	40.50	40.09	13.91			
				467.880	5.210	-34.820	0.50	40.50	40.20	13.80			
				464.600	36.810	-5.500	0.50	40.50	13.80	40.20			
								40.50	40.20	40.20			
5	L	0.90	0.90	266.666	-5.210	-30.096	0.50	40.50	40.10	13.90			
				469.380	-5.210	-35.020	0.50	40.50	40.20	13.80			
				466.570	-36.860	-5.500	0.50	40.50	13.80	40.20			
								40.50	40.20	40.20			
5	K	0.50	0.50	134.141	6.690	-12.304	0.50	22.50	15.32	14.68			
				238.200	6.690	19.670	0.50	22.50	19.69	10.31			
				280.420	-17.150	-4.630	0.50	22.50	7.67	22.33			
								22.50	19.69	22.33			
6	N	0.50	0.90	144.296	-6.690	-16.815	0.50	22.50	18.65	11.35			
				258.560	-6.690	-20.720	0.50	22.50	19.97	10.03			
				298.360	16.770	5.480	0.50	22.50	7.75	22.25			

6	M	0.90	0.90	276.140	5.180	-29.986	0.50	40.50	40.10	13.90
				506.630	5.180	-34.730	0.50	40.50	40.20	13.80
				506.640	35.600	-4.960	0.50	40.50	13.76	40.24
								40.50	40.20	40.24
6	L	0.90	0.90	276.644	-5.190	-30.206	0.50	40.50	40.10	13.90
				507.230	-5.190	-34.950	0.50	40.50	40.20	13.80
				507.400	-35.630	-4.960	0.50	40.50	13.76	40.24
								40.50	40.20	40.24
6	K	0.50	0.90	138.806	6.690	-16.783	0.50	22.50	18.64	11.36
				252.800	6.690	-20.570	0.50	22.50	19.93	10.07
				291.900	-16.570	5.330	0.50	22.50	7.74	22.26
								22.50	19.93	22.26
7	N	0.50	0.90	137.629	-6.690	-12.081	0.50	22.50	15.05	14.95
				241.790	-6.690	20.170	0.50	22.50	19.83	10.17
				281.590	16.770	-5.000	0.50	22.50	7.71	22.29
								22.50	19.83	22.29
7	M	0.90	0.90	276.127	5.180	-29.986	0.50	40.50	40.10	13.90
				506.570	5.180	-34.730	0.50	40.50	40.20	13.80
				506.440	35.560	-4.970	0.50	40.50	13.76	40.24
								40.50	40.20	40.24
7	L	0.90	0.90	275.551	-5.190	-30.206	0.50	40.50	40.10	13.90
				506.070	-5.190	-34.950	0.50	40.50	40.20	13.80
				507.200	-35.610	-4.970	0.50	40.50	13.76	40.24
								40.50	40.20	40.24
7	K	0.50	0.90	132.202	6.690	-12.184	0.50	22.50	15.17	14.83
				236.060	6.690	20.060	0.50	22.50	19.80	10.20
				275.150	-16.570	-4.690	0.50	22.50	7.70	22.30
								22.50	19.80	22.30
8	N	0.50	0.90	145.605	-6.710	-16.636	0.50	22.50	18.55	11.45
				260.300	-6.710	-20.450	0.50	22.50	19.88	10.12
				301.770	17.140	5.340	0.50	22.50	7.72	22.28
								22.50	19.88	22.28
8	M	0.90	0.90	260.577	5.220	-20.144	0.50	40.50	40.07	13.93
				473.560	-4.270	27.600	0.50	40.50	40.18	13.82
				470.280	36.760	-4.430	0.50	40.50	13.70	40.30
								40.50	40.18	40.30
8	L	0.90	0.90	264.388	-5.220	-29.354	0.50	40.50	40.07	13.93
				472.580	-5.220	-33.910	0.50	40.50	40.18	13.82
				472.210	-36.820	-4.430	0.50	40.50	13.70	40.30
								40.50	40.18	40.30
8	K	0.50	0.90	140.764	6.710	-16.532	0.50	22.50	18.50	11.50
				255.410	6.710	-20.180	0.50	22.50	19.81	10.19
				297.610	-17.170	5.090	0.50	22.50	7.70	22.30
								22.50	19.81	22.30

							12.50	10.70	5.97
9	N	0.50	0.50	49.923	-4.610	-7.009	0.50	12.50	10.70
				102.060	-4.610	-7.420	0.50	12.50	10.89
				100.760	-10.920	-1.320	0.50	12.50	4.23
									12.44
								12.50	10.89
									12.44
9	M	0.90	0.50	75.423	6.900	-14.910	0.50	22.50	22.00
				160.890	6.900	-18.280	0.50	22.50	22.17
				182.340	17.630	-6.700	0.50	22.50	11.01
									18.99
								22.50	22.17
									18.99
9	L	0.90	0.50	77.545	-6.910	-15.120	0.50	22.50	22.02
				163.370	-6.910	-18.490	0.50	22.50	22.18
				185.470	-17.660	-6.700	0.50	22.50	11.00
									19.00
								22.50	22.18
									19.00
9	K	0.50	0.50	47.256	4.610	-6.868	0.50	12.50	10.62
				99.050	4.610	-7.220	0.50	12.50	10.80
				97.770	10.970	-1.000	0.50	12.50	4.20
									12.47
								12.50	10.80
									12.47

9Ts0Ps16.66Hs10Vh3G18D

BİLSAR A.Ş. MÜHENDİSLİK PROGRAMLARI (0212) 221 29 98 . HER HAKKI SAKLIDIR. SADECE TEM MÜHENDİSLİK LTD. TARAFINDAN KULLANILIR

S.S. KARAKAY PERŞEMBE PAZARI TUCARLARI TOPLU İŞYERİ YAPI KOOPERATİFİ 7.KAT KOLON ÇÖZÜMLERİ

BETON =			B20		DEMİR =		3650.0						
KOLON	B	D	N	MX	MY	Ro	As	Asb	Asd	Köşe	B	D	ETR
4	N	0.50	0.50	80.504	5.350	-6.358	0.50	12.50	9.55	7.12			
				93.180	-5.370	7.350	0.50	12.50	10.28	6.39			
				92.130	-11.490	1.320	0.50	12.50	4.22	12.45			
								12.50	10.28	12.45			
4	M	0.80	0.50	125.650	-4.780	-13.019	0.50	20.00	19.65	7.02			
				192.680	-4.780	-15.890	0.50	20.00	19.76	6.90			
				149.440	16.660	6.050	0.50	20.00	8.92	17.75			
								20.00	19.76	17.75			
4	L	0.80	0.50	128.902	4.780	-13.089	0.50	20.00	19.65	7.01			
				196.280	4.780	-15.960	0.50	20.00	19.77	6.90			
				152.560	-16.670	6.050	0.50	20.00	8.91	17.75			
								20.00	19.77	17.75			
4	K	0.50	0.50	78.210	-5.350	-6.057	0.50	12.50	9.25	7.42			
				90.570	5.370	7.030	0.50	12.50	10.07	6.60			
				89.530	11.490	1.000	0.50	12.50	4.20	12.47			
								12.50	10.07	12.47			
5	N	0.50	0.80	121.190	-6.250	-11.610	0.50	20.00	15.05	11.61			
				212.320	-6.250	10.120	0.50	20.00	17.97	8.70			
				245.040	16.530	-3.950	0.50	20.00	6.82	19.85			
								20.00	17.97	19.85			
5	M	0.80	0.80	228.952	4.150	-25.218	0.50	32.00	31.71	10.96			
				402.850	4.150	-29.120	0.50	32.00	31.78	10.88			
				399.710	30.230	-4.370	0.50	32.00	10.89	31.78			
								32.00	31.78	31.78			
5	L	0.80	0.80	230.633	-4.150	-25.238	0.50	32.00	31.71	10.96			
				404.630	-4.150	-29.140	0.50	32.00	31.78	10.88			
				401.830	-30.220	-4.370	0.50	32.00	10.89	31.78			
								32.00	31.78	31.78			
5	K	0.50	0.80	116.907	6.250	-11.807	0.50	20.00	15.22	11.45			
				207.900	6.250	17.940	0.50	20.00	17.93	8.74			
				241.210	-16.550	-3.750	0.50	20.00	6.80	19.87			
								20.00	17.93	19.87			
6	N	0.50	0.80	125.683	-6.230	-15.468	0.50	20.00	17.23	9.44			
				225.640	-6.230	-18.750	0.50	20.00	18.12	8.55			
				256.990	16.050	4.480	0.50	20.00	6.87	19.80			

6	M	0.80	0.80	240.392	4.130	-24.732	0.50	32.00	31.70	10.96
				442.360	4.130	-28.490	0.50	32.00	31.78	10.89
				442.390	28.750	-3.920	0.50	32.00	10.86	31.80
								32.00	31.78	31.80
6	L	0.80	0.80	240.737	-4.130	-24.742	0.50	32.00	31.70	10.96
				442.790	-4.130	-28.500	0.50	32.00	31.78	10.89
				442.980	-28.740	-3.920	0.50	32.00	10.87	31.80
								32.00	31.78	31.80
6	K	0.50	0.80	120.877	6.230	-15.467	0.50	20.00	17.23	9.44
				220.610	6.230	-18.630	0.50	20.00	18.09	8.58
				251.420	-16.080	4.340	0.50	20.00	6.86	19.81
								20.00	18.09	19.81
7	N	0.50	0.80	119.873	-6.230	-11.481	0.50	20.00	14.97	11.69
				210.960	-6.230	18.290	0.50	20.00	18.02	8.65
				242.310	16.050	-4.090	0.50	20.00	6.84	19.83
								20.00	18.02	19.83
7	H	0.80	0.80	240.379	4.130	-24.731	0.50	32.00	31.70	10.96
				442.300	4.130	-28.490	0.50	32.00	31.78	10.89
				442.190	28.740	-3.930	0.50	32.00	10.87	31.80
								32.00	31.78	31.80
7	L	0.80	0.80	239.944	-4.130	-24.751	0.50	32.00	31.70	10.96
				441.980	-4.130	-28.510	0.50	32.00	31.78	10.89
				442.730	-28.740	3.930	0.50	32.00	10.87	31.80
								32.00	31.78	31.80
7	K	0.50	0.80	115.121	6.230	-11.624	0.50	20.00	15.10	11.57
				205.960	6.230	18.210	0.50	20.00	18.00	8.66
				236.760	-16.070	-3.980	0.50	20.00	6.83	19.84
								20.00	18.00	19.84
8	N	0.50	0.80	126.904	-6.250	-15.399	0.50	20.00	17.19	9.48
				227.260	-6.250	-18.590	0.50	20.00	18.07	8.60
				259.980	16.560	4.350	0.50	20.00	6.85	19.82
								20.00	18.07	19.82
8	H	0.80	0.80	224.810	4.150	-24.614	0.50	32.00	31.70	10.97
				408.550	4.150	28.480	0.50	32.00	31.77	10.89
				405.410	30.220	3.740	0.50	32.00	10.83	31.84
								32.00	31.77	31.84
8	L	0.80	0.80	228.331	-4.160	-24.634	0.50	32.00	31.70	10.97
				410.290	-4.160	28.500	0.50	32.00	31.77	10.89
				407.490	-30.220	3.740	0.50	32.00	10.83	31.84
								32.00	31.77	31.84
8	K	0.50	0.80	122.664	6.250	-15.344	0.50	20.00	17.17	9.50
				222.990	6.250	-18.370	0.50	20.00	18.02	8.64
				256.300	-16.530	4.130	0.50	20.00	6.83	19.84

9	H	0.50	0.50	45.172	-4.650	-6.920	0.50	12.50	10.62	6.05
				90.760	-4.650	-7.330	0.50	12.50	10.82	5.84
				89.720	-10.770	-1.310	0.50	12.50	4.23	12.44
								12.50	10.82	12.44

9	M	0.80	0.50	66.059	5.760	-14.116	0.50	20.00	19.57	7.10
				196.530	-4.850	16.090	0.50	20.00	19.76	6.90
				153.290	16.700	-6.250	0.50	20.00	9.06	17.61
								20.00	19.76	17.61

9	L	0.80	0.50	68.351	-5.760	-14.306	0.50	20.00	19.58	7.09
				200.130	4.850	16.180	0.50	20.00	19.77	6.90
				156.410	-16.700	-6.250	0.50	20.00	9.06	17.61
								20.00	19.77	17.61

9	K	0.50	0.50	42.849	4.650	-6.659	0.50	12.50	10.47	6.20
				88.140	4.650	-7.010	0.50	12.50	10.67	6.00
				87.110	10.760	-0.990	0.50	12.50	4.20	12.46
								12.50	10.67	12.46

9Ts0Ps16.66Hs10Vv3G18D

BİLSAR A.Ş. MÜHENDİSLİK PROGRAMLARI (0212) 221 29 98 . HER HAKKI SAKLIDIR. SADECE TEM MÜHENDİSLİK LTD. TARAFINDAN KULLANILIR

S.S. KARAKÖY PERŞEMBE PAZARI TUCARLARI TOPLU İŞYERİ YAPI KOOPERATİFİ 8.KAT KOLON ÇÖZÜMLERİ

BETON = RS20 DEMİR = 3650.0

KOLON	B	D	N	MX	MY	Ro	As	Asb	Asd	Köşe	B	D	ETR
4	N	0.50	0.50	67.318	5.370	-5.499	0.50	12.50	8.53	8.14			
				81.190	-5.400	6.670	0.50	12.50	9.77	6.90			
				80.360	-10.910	1.320	0.50	12.50	4.23	12.44			
								12.50	9.77	12.44			
4	M	0.80	0.50	101.404	-5.710	-11.504	0.50	20.00	19.36	7.31			
				155.540	-5.710	-14.530	0.50	20.00	19.60	7.07			
				122.060	14.470	1.860	0.50	20.00	6.95	19.72			
								20.00	19.60	19.72			
4	L	0.80	0.50	104.537	5.720	-11.564	0.50	20.00	19.36	7.30			
				159.020	5.720	-14.590	0.50	20.00	19.60	7.07			
				125.170	-14.480	2.390	0.50	20.00	7.13	19.54			
								20.00	19.60	19.54			
4	K	0.50	0.50	65.338	-5.370	-5.238	0.50	12.50	8.13	8.54			
				78.950	5.400	6.350	0.50	12.50	9.50	7.17			
				73.120	10.910	1.000	0.50	12.50	4.20	12.46			
								12.50	9.50	12.46			
5	N	0.50	0.80	103.679	6.250	-10.430	0.50	20.00	13.87	12.79			
				181.590	-6.250	16.930	0.50	20.00	17.67	8.99			
				157.070	-16.540	4.710	0.50	20.00	6.88	19.79			
								20.00	17.67	19.79			
5	M	0.80	0.80	193.022	4.120	-20.000	0.50	32.00	31.55	11.12			
				334.920	4.120	27.110	0.50	32.00	31.75	10.91			
				337.920	-22.660	4.370	0.50	32.00	11.06	31.60			
								32.00	31.75	31.60			
5	L	0.80	0.80	195.723	-4.120	-20.281	0.50	32.00	31.56	11.11			
				338.310	-4.120	26.920	0.50	32.00	31.75	10.92			
				338.240	-27.020	5.100	0.50	32.00	11.05	31.62			
								32.00	31.75	31.62			
5	K	0.50	0.80	100.007	6.250	-10.537	0.50	20.00	14.00	12.67			
				177.930	6.250	16.670	0.50	20.00	17.60	9.07			
				152.850	16.570	4.450	0.50	20.00	6.85	19.81			
								20.00	17.60	19.81			
6	N	0.50	0.80	107.414	-6.230	-14.278	0.50	20.00	16.75	9.92			
				193.090	-6.230	-17.560	0.50	20.00	17.85	8.81			
				169.270	-16.040	-5.370	0.50	20.00	6.96	19.71			

							20.00	17.85	19.71	
6	M	0.80	0.80	205.733	4.130	-22.911	0.50	32.00	31.65	11.01
				379.190	4.130	-26.680	0.50	32.00	31.74	10.92
				379.340	26.880	-4.030	0.50	32.00	10.91	31.76
								32.00	31.74	31.76
6	L	0.80	0.80	205.978	-4.130	-22.912	0.50	32.00	31.65	11.01
				379.510	-4.130	-26.680	0.50	32.00	31.74	10.92
				379.810	-26.880	-4.020	0.50	32.00	10.91	31.76
								32.00	31.74	31.76
6	K	0.50	0.80	103.292	6.230	-14.207	0.50	20.00	16.72	9.95
				188.790	6.230	-17.370	0.50	20.00	17.80	8.86
				165.410	16.040	-5.170	0.50	20.00	6.94	19.73
								20.00	17.80	19.73
7	N	0.50	0.80	102.430	6.230	-10.509	0.50	20.00	14.00	12.66
				180.510	-6.230	17.100	0.50	20.00	17.73	8.93
				156.690	-16.040	4.910	0.50	20.00	6.91	19.76
								20.00	17.73	19.76
7	M	0.80	0.80	205.702	4.130	-22.731	0.50	32.00	31.65	11.02
				379.110	4.130	-26.350	0.50	32.00	31.74	10.93
				379.120	26.870	-3.700	0.50	32.00	10.87	31.80
								32.00	31.74	31.80
7	L	0.80	0.80	205.367	-4.130	-22.750	0.50	32.00	31.65	11.02
				378.860	-4.130	-26.370	0.50	32.00	31.74	10.93
				379.600	-26.880	-3.710	0.50	32.00	10.87	31.80
								32.00	31.74	31.80
7	K	0.50	0.80	98.353	-6.230	-10.408	0.50	20.00	13.68	12.78
				176.230	6.230	16.950	0.50	20.00	17.69	8.97
				152.850	16.040	4.750	0.50	20.00	6.90	19.77
								20.00	17.69	19.77
6	N	0.50	0.80	108.487	-6.260	-14.209	0.50	20.00	16.69	9.98
				194.510	-6.260	-17.400	0.50	20.00	17.79	8.88
				169.900	-16.580	-5.180	0.50	20.00	6.92	19.75
								20.00	17.79	19.75
8	M	0.80	0.80	189.956	4.480	-23.771	0.50	32.00	31.62	11.05
				340.640	4.480	-27.550	0.50	32.00	31.72	10.95
				343.640	-22.660	-3.740	0.50	32.00	10.96	31.71
								32.00	31.72	31.71
8	L	0.80	0.80	193.248	-4.480	-23.520	0.50	32.00	31.61	11.05
				343.990	-4.480	-27.360	0.50	32.00	31.71	10.95
				346.760	22.690	-3.740	0.50	32.00	10.96	31.71
								32.00	31.71	31.71
8	K	0.50	0.80	104.860	6.260	-14.074	0.50	20.00	16.62	10.04
				190.880	6.260	-17.100	0.50	20.00	17.71	8.95
				165.800	16.550	-4.880	0.50	20.00	6.89	19.77

9	N	0.50	0.50	40.061	-4.650	-6.250	0.50	12.50	10.19	6.47
				79.110	-4.650	-6.660	0.50	12.50	10.47	6.20
				78.280	-10.160	-1.310	0.50	12.50	4.24	12.43
								12.50	10.47	12.43
9	M	0.80	0.50	56.177	6.710	-10.248	0.50	20.00	18.88	7.78
				157.880	-5.760	14.730	0.50	20.00	19.60	7.06
				124.400	14.310	-1.850	0.50	20.00	6.95	19.71
								20.00	19.60	19.71
9	L	0.80	0.50	58.579	-6.710	-10.799	0.50	20.00	18.99	7.67
				161.370	5.760	14.790	0.50	20.00	19.61	7.06
				127.520	-14.310	-2.380	0.50	20.00	7.14	19.53
								20.00	19.61	19.53
9	K	0.50	0.50	38.081	4.650	-5.999	0.50	12.50	10.00	6.67
				76.880	4.650	-6.350	0.50	12.50	10.27	6.40
				76.050	10.160	-0.990	0.50	12.50	4.21	12.46
								12.50	10.27	12.46

9Ts0Ps16.66Hs10Vv3G18D

BİLSAR A.Ş. MÜHENDİSLİK PROGRAMLARI (0212) 221 29 98 . HER HAKKI SAKLIDIR. SADECE TEM MÜHENDİSLİK LTD. TARAFINDAN KULLANILIR

S.S. KARAKÖY PERŞEMBE PAZARI TUCARLARI TOPLU İŞYERİ YAPI KOOPERATİFİ 9.KAT KOLON ÇÖZÜMLERİ

BETON = BS20 DEMİR = 3650.0

KOLON	B	D	N	MX	MY	Ro	As	Asb	Asd	Köşe	B	D	ETR
4	N	0.50	0.50	54.553	5.400	-5.009	0.50	12.50	7.75	8.91			
				68.750	-6.240	6.460	0.50	12.50	8.61	8.05			
				68.180	-11.260	1.520	0.50	12.50	4.24	12.42			
								12.50	8.61	12.42			
4	M	0.80	0.50	83.684	-6.860	-8.387	0.50	20.00	18.26	8.41			
				98.180	7.140	15.840	0.50	20.00	19.47	7.20			
				121.930	-9.460	-1.860	0.50	20.00	7.33	19.34			
								20.00	19.47	19.34			
4	L	0.80	0.50	86.073	6.870	-8.838	0.50	20.00	18.43	8.24			
				100.210	-7.140	15.970	0.50	20.00	19.48	7.19			
				124.270	9.470	-2.390	0.50	20.00	7.75	18.31			
								20.00	18.48	18.31			
4	K	0.50	0.50	52.906	6.240	-4.220	0.50	12.50	8.07	10.59			
				66.890	6.240	6.060	0.50	12.50	8.10	8.57			
				66.320	11.260	1.120	0.50	12.50	4.21	12.46			
								12.50	8.10	12.46			
5	N	0.50	0.80	86.158	-7.170	-8.482	0.50	20.00	10.31	16.36			
				151.070	-7.170	16.400	0.50	20.00	16.74	7.55			
				169.040	14.460	-4.710	0.50	20.00	8.24	19.72			
								20.00	16.74	19.72			
5	M	0.80	0.80	162.302	5.270	-20.666	0.50	32.00	31.32	11.35			
				286.110	5.270	-25.710	0.50	32.00	31.55	11.11			
				284.470	26.500	-5.510	0.50	32.00	11.13	31.54			
								32.00	31.55	31.54			
5	L	0.80	0.80	163.665	-5.270	-20.876	0.50	32.00	31.32	11.35			
				287.530	-5.270	-25.720	0.50	32.00	31.55	11.11			
				286.120	-26.500	-5.510	0.50	32.00	11.13	31.54			
								32.00	31.55	31.54			
5	K	0.50	0.80	83.098	7.170	-8.663	0.50	20.00	10.47	16.20			
				147.950	7.170	16.020	0.50	20.00	16.58	10.09			
				165.280	-14.470	-4.450	0.50	20.00	8.91	19.75			
								20.00	16.58	19.75			
6	N	0.50	0.80	89.135	-7.170	-13.216	0.50	20.00	14.98	11.69			
				160.520	-7.170	-17.240	0.50	20.00	17.05	9.62			
				177.680	14.040	5.370	0.50	20.00	7.05	19.62			

6	M	0.80	0.80	170.986	5.250	-20.650	0.50	32.00	31.31	11.36
				315.920	5.250	-25.260	0.50	32.00	31.54	11.13
				316.140	25.640	-4.790	0.50	32.00	11.04	31.63
								32.00	31.54	31.63
6	L	0.80	0.80	171.200	-5.250	-20.650	0.50	32.00	31.31	11.36
				316.210	-5.250	-25.260	0.50	32.00	31.54	11.13
				316.520	-25.640	-4.790	0.50	32.00	11.04	31.63
								32.00	31.54	31.63
6	K	0.50	0.80	85.697	7.170	-13.109	0.50	20.00	14.89	11.77
				156.950	7.170	-16.950	0.50	20.00	16.95	9.72
				173.760	-14.040	5.170	0.50	20.00	7.02	19.65
								20.00	16.95	19.65
7	N	0.50	0.80	84.988	-7.170	-8.329	0.50	20.00	10.18	16.49
				150.040	-7.170	16.690	0.50	20.00	16.85	9.82
				167.200	14.040	-4.910	0.50	20.00	6.99	19.68
								20.00	16.85	19.68
7	H	0.80	0.80	170.978	5.250	-20.666	0.50	32.00	31.31	11.35
				315.880	5.250	-25.310	0.50	32.00	31.54	11.13
				316.000	25.640	-4.840	0.50	32.00	11.05	31.62
								32.00	31.54	31.62
7	L	0.80	0.80	170.692	-5.250	-20.666	0.50	32.00	31.31	11.35
				315.670	-5.250	-25.310	0.50	32.00	31.54	11.13
				316.380	-25.640	-4.840	0.50	32.00	11.05	31.62
								32.00	31.54	31.62
7	K	0.50	0.80	81.595	7.170	-8.429	0.50	20.00	10.27	16.40
				146.490	7.170	16.460	0.50	20.00	16.76	9.91
				163.500	-14.040	-4.750	0.50	20.00	6.96	19.70
								20.00	16.76	19.70
8	N	0.50	0.80	90.071	-7.190	-13.072	0.50	20.00	14.84	11.83
				161.770	-7.190	-16.970	0.50	20.00	16.94	9.73
				175.740	14.480	5.180	0.50	20.00	7.00	19.67
								20.00	16.94	19.67
8	H	0.80	0.80	159.664	5.280	-19.948	0.50	32.00	31.25	11.41
				290.440	5.280	24.960	0.50	32.00	31.52	11.14
				288.800	26.510	4.760	0.50	32.00	11.01	31.66
								32.00	31.52	31.66
8	L	0.80	0.80	162.207	-5.280	-19.958	0.50	32.00	31.25	11.41
				291.820	-5.280	24.970	0.50	32.00	31.52	11.14
				290.410	-26.510	4.760	0.50	32.00	11.01	31.66
								32.00	31.52	31.66
8	K	0.50	0.80	87.065	7.190	-12.893	0.50	20.00	14.69	11.97
				158.780	7.190	-16.550	0.50	20.00	16.78	9.89
				177.110	-14.470	4.880	0.50	20.00	6.96	19.70

9	N	0.50	0.50	34.511	-5.320	-5.966	0.50	12.50	9.19	7.48
				67.010	-5.320	-6.450	0.50	12.50	9.67	7.00
				66.440	-10.340	-1.510	0.50	12.50	4.26	12.41

								12.50	9.67	12.41
--	--	--	--	--	--	--	--	-------	------	-------

9	M	0.80	0.50	50.740	7.150	-12.417	0.50	20.00	19.14	7.53
				100.700	7.150	-16.060	0.50	20.00	19.48	7.18
				124.450	-9.310	1.850	0.50	20.00	7.34	19.33

								20.00	19.48	19.33
--	--	--	--	--	--	--	--	-------	-------	-------

9	L	0.80	0.50	52.509	-7.150	-12.547	0.50	20.00	19.15	7.51
				102.730	-7.150	-16.190	0.50	20.00	19.49	7.17
				126.790	9.310	2.380	0.50	20.00	7.78	18.88

								20.00	19.49	18.88
--	--	--	--	--	--	--	--	-------	-------	-------

9	K	0.50	0.50	32.864	5.320	-5.651	0.50	12.50	8.81	7.86
				63.160	5.320	-6.050	0.50	12.50	9.28	7.39
				64.590	10.330	-1.110	0.50	12.50	4.21	12.45

								12.50	9.28	12.45
--	--	--	--	--	--	--	--	-------	------	-------

9Ts0Ps16.66Hs10Vv3G18D

BİLSAR A.Ş. MÜHENDİSLİK PROGRAMLARI (0212) 221 29 98 . HER HAKKI SAKLIDIR. SADECE TEM MÜHENDİSLİK LTD. TARAFINDAN KULLANILIR

S.S. KARAKÖY PERŞEMBE PAZARI TUCARLARI TOPLU İŞYERİ YAPI KOOPERATİFİ 10.KAT KOLON ÇÖZÜMLERİ

BETON = BS20 DEMİR = 3650.0

KOLON	B	D	N	MX	MY	Ro	As	Asb	Asd	Köşe	B	D	ETR
4	N	0.45	0.45	42.208	-4.930	-3.199	0.50	10.12	4.80	8.70			
				68.270	4.090	-4.320	0.50	10.12	7.10	6.40			
				55.460	-8.940	1.180	0.50	10.12	3.43	10.07			
								10.12	7.10	10.07			
4	M	0.70	0.45	61.083	-4.300	-8.245	0.50	15.75	15.16	5.84			
				95.270	-4.300	-10.480	0.50	15.75	15.38	5.62			
				79.010	13.400	5.270	0.50	15.75	7.21	13.79			
								15.75	15.38	13.79			
4	L	0.70	0.45	63.362	4.300	-8.325	0.50	15.75	15.17	5.83			
				97.800	4.300	-10.560	0.50	15.75	15.39	5.61			
				81.340	-13.400	5.270	0.50	15.75	7.21	13.79			
								15.75	15.39	13.79			
4	K	0.45	0.45	40.865	4.930	-5.469	0.50	10.12	5.95	8.45			
				66.780	-4.090	-4.050	0.50	10.12	6.66	6.62			
				53.970	8.940	0.640	0.50	10.12	3.40	10.10			
								10.12	6.66	10.10			
5	H	0.45	0.70	68.571	-5.440	-7.634	0.50	15.75	9.53	11.45			
				120.430	-5.440	13.720	0.50	15.75	13.75	7.25			
				132.450	10.740	-3.460	0.50	15.75	5.43	15.52			
								15.75	13.75	15.52			
5	M	0.70	0.70	126.930	4.230	-17.262	0.50	24.50	24.01	8.66			
				219.400	-3.090	16.020	0.50	24.50	24.20	8.47			
				220.900	-16.260	3.230	0.50	24.50	8.49	24.18			
								24.50	24.20	24.18			
5	L	0.70	0.70	128.503	-4.230	-17.262	0.50	24.50	24.01	8.66			
				221.780	3.090	16.020	0.50	24.50	24.20	8.47			
				223.160	16.260	3.230	0.50	24.50	8.49	24.18			
								24.50	24.20	24.18			
5	K	0.45	0.70	66.132	5.440	-7.798	0.50	15.75	9.71	11.29			
				117.950	5.440	13.380	0.50	15.75	13.65	7.35			
				130.230	-10.750	-3.230	0.50	15.75	5.45	15.55			
								15.75	13.65	15.55			
6	H	0.45	0.70	70.856	-5.420	-11.349	0.50	15.75	12.85	8.15			
				127.940	-5.420	-14.490	0.50	15.75	13.97	7.03			
				139.360	10.480	3.970	0.50	15.75	5.56	15.44			

15.75 13.97 15.44

6	M	0.70	0.70	136.255	4.210	-16.807	0.50	24.50	23.99	8.68
				252.600	-3.080	15.590	0.50	24.50	24.18	8.49
				252.750	20.600	-3.620	0.50	24.50	8.42	24.25
								24.50	24.18	24.25
6	L	0.70	0.70	136.360	-4.210	-16.807	0.50	24.50	23.99	8.68
				252.460	3.080	15.590	0.50	24.50	24.18	8.49
				253.000	-20.600	-3.620	0.50	24.50	8.42	24.25
								24.50	24.18	24.25
6	K	0.45	0.70	68.102	5.420	-11.232	0.50	15.75	12.79	8.21
				125.090	5.420	-14.190	0.50	15.75	13.90	7.10
				136.260	-10.470	3.790	0.50	15.75	5.53	15.47
								15.75	13.90	15.47
7	H	0.45	0.70	67.555	-5.420	-7.533	0.50	15.75	9.44	11.56
				119.560	-5.420	14.080	0.50	15.75	13.87	7.13
				130.980	10.480	-3.630	0.50	15.75	5.51	15.49
								15.75	13.87	15.49
7	M	0.70	0.70	136.229	4.210	-16.861	0.50	24.50	23.99	8.68
				252.340	-3.080	15.620	0.50	24.50	24.18	8.48
				252.590	20.600	-3.700	0.50	24.50	8.43	24.24
								24.50	24.18	24.24
7	L	0.70	0.70	136.034	-4.210	-16.861	0.50	24.50	23.99	8.68
				252.510	3.080	15.620	0.50	24.50	24.18	8.48
				252.650	-20.600	-3.700	0.50	24.50	8.43	24.24
								24.50	24.18	24.24
7	K	0.45	0.70	64.837	5.420	-7.632	0.50	15.75	9.55	11.45
				116.730	5.420	13.630	0.50	15.75	13.80	7.20
				127.900	-10.470	-3.490	0.50	15.75	5.49	15.51
								15.75	13.80	15.51
8	N	0.45	0.70	71.658	-5.440	-11.146	0.50	15.75	12.72	8.28
				129.010	-5.440	-14.160	0.50	15.75	13.87	7.13
				141.030	10.750	3.800	0.50	15.75	5.52	15.48
								15.75	13.87	15.48
8	M	0.70	0.70	124.719	4.240	-16.335	0.50	24.50	23.95	8.72
				223.740	-3.100	-15.580	0.50	24.50	24.18	8.49
				225.240	-16.270	-2.790	0.50	24.50	8.41	24.26
								24.50	24.18	24.26
8	L	0.70	0.70	127.052	-4.240	-16.335	0.50	24.50	23.95	8.72
				226.090	3.100	-15.580	0.50	24.50	24.18	8.49
				227.470	16.270	-2.790	0.50	24.50	8.41	24.26
								24.50	24.18	24.26
8	K	0.45	0.70	69.255	5.440	-10.975	0.50	15.75	12.63	8.37
				126.630	5.440	-13.760	0.50	15.75	13.76	7.24
				138.910	-10.740	3.550	0.50	15.75	5.49	15.51
								15.75	13.76	15.51

9	N	0.45	0.45	28.550	-4.120	-4.792	0.50	10.12	7.63	5.87
				54.510	-4.120	-5.170	0.50	10.12	7.98	5.52
				54.080	-8.130	-1.170	0.50	10.12	3.44	10.06

								10.12	7.98	10.06
--	--	--	--	--	--	--	--	-------	------	-------

9	M	0.70	0.45	39.132	5.690	-9.644	0.50	15.75	14.99	6.01
				96.270	-4.310	10.620	0.50	15.75	15.39	5.61
				80.010	13.330	-5.440	0.50	15.75	7.37	13.63

								15.75	15.39	13.63
--	--	--	--	--	--	--	--	-------	-------	-------

9	L	0.70	0.45	41.002	-5.690	-9.784	0.50	15.75	15.02	5.98
				98.790	4.310	10.700	0.50	15.75	15.40	5.60
				82.330	-13.330	-5.440	0.50	15.75	7.37	13.63

								15.75	15.40	13.63
--	--	--	--	--	--	--	--	-------	-------	-------

9	K	0.45	0.45	27.227	4.120	-4.522	0.50	10.12	7.32	6.18
				53.020	4.120	-4.830	0.50	10.12	7.67	5.83
				52.590	8.130	-0.830	0.50	10.12	3.41	10.09

								10.12	7.67	10.09
--	--	--	--	--	--	--	--	-------	------	-------

9Ts0Ps16.66Hs10Vv3G18D

BİLSAR A.Ş. MÜHENDİSLİK PROGRAMLARI (0212) 221 29 98 . HER HAKKI SAKLIDIR. SADECE TEM MÜHENDİSLİK LTD. TARAFINDAN KULLANILIR

S.S. KARAKÖY PERŞEMBE PAZARI TUCARLARI TOPLU İŞYERİ YAPI KOOPERATİFİ 11.KAT KOLON ÇÖZÜMLERİ

BETON =			BS20		DEMİR =		3650.0						
KOLON	B	D	N	MX	MY	Ro	As	Asb	Asd	Köşe	B	D	ETR
4	N	0.45	0.45	30.758	4.930	-3.501	0.50	10.12	5.08	8.42			
				42.830	-4.980	4.520	0.50	10.12	6.16	7.34			
				42.530	-8.370	1.180	0.50	10.12	3.44	10.06			
								10.12	6.16	10.06			
4	M	0.70	0.45	40.117	-5.760	-7.471	0.50	15.75	14.46	6.54			
				61.370	-5.760	-10.140	0.50	15.75	15.05	5.95			
				51.080	12.090	1.570	0.50	15.75	5.46	15.54			
								15.75	15.05	15.54			
4	L	0.70	0.45	42.297	5.760	-7.501	0.50	15.75	14.47	6.53			
				63.800	5.760	-10.170	0.50	15.75	15.05	5.95			
				53.400	-12.090	2.070	0.50	15.75	5.62	15.38			
								15.75	15.05	15.38			
4	K	0.45	0.45	29.768	-4.930	-3.231	0.50	10.12	4.82	3.68			
				41.710	4.380	4.180	0.50	10.12	5.75	7.75			
				41.410	8.370	0.340	0.50	10.12	3.41	10.05			
								10.12	5.75	10.09			
5	M	0.45	0.70	51.437	5.440	-6.586	0.50	15.75	8.43	12.57			
				50.400	-5.440	12.260	0.50	15.75	13.25	7.75			
				83.360	-11.440	4.410	0.50	15.75	5.57	15.43			
								15.75	13.25	15.43			
5	M	0.70	0.70	92.229	4.230	-12.079	0.50	24.50	23.50	9.17			
				155.970	4.230	18.320	0.50	24.50	24.06	8.60			
				158.460	18.240	4.720	0.50	24.50	8.71	23.95			
								24.50	24.06	23.95			
5	L	0.70	0.70	93.982	-4.230	-12.313	0.50	24.50	23.54	9.13			
				158.160	-4.230	18.170	0.50	24.50	24.06	8.61			
				158.290	-18.240	4.570	0.50	24.50	8.68	23.99			
								24.50	24.06	23.99			
5	K	0.45	0.70	49.610	-5.440	-6.442	0.50	15.75	8.29	12.71			
				88.550	5.440	11.920	0.50	15.75	13.10	7.90			
				81.350	11.470	4.070	0.50	15.75	5.52	15.48			
								15.75	13.10	15.48			
6	N	0.45	0.70	53.145	-5.420	-9.879	0.50	15.75	11.93	9.07			
				95.980	-5.420	-13.020	0.50	15.75	13.55	7.45			
				89.120	-11.150	-5.130	0.50	15.75	5.71	15.29			
								15.75	13.55	15.29			

6	M	0.70	0.70	102.389	4.210	-14.350	0.50	24.50	23.80	8.87
				189.760	4.210	-17.870	0.50	24.50	24.05	8.62
				189.930	17.970	-3.790	0.50	24.50	8.53	24.14

24.50 24.05 24.14

6	L	0.70	0.70	102.395	-4.210	-14.332	0.50	24.50	23.80	8.87
				189.820	-4.210	-17.850	0.50	24.50	24.05	8.62
				190.080	-17.970	-3.770	0.50	24.50	8.53	24.14

24.50 24.05 24.14

6	K	0.45	0.70	51.084	5.420	-9.762	0.50	15.75	11.83	9.17
				93.850	5.420	-12.720	0.50	15.75	13.44	7.56
				87.140	11.150	-4.830	0.50	15.75	5.66	15.34

15.75 13.44 15.34

7	M	0.45	0.70	50.661	5.420	-6.807	0.50	15.75	8.67	12.33
				89.700	-5.420	12.610	0.50	15.75	13.40	7.60
				82.840	-11.150	4.720	0.50	15.75	5.64	15.36

15.75 13.40 15.36

7	M	0.70	0.70	102.307	4.210	-14.107	0.50	24.50	23.77	8.89
				189.650	4.210	-17.430	0.50	24.50	24.02	8.64
				189.740	17.970	-3.350	0.50	24.50	8.45	24.22

24.50 24.02 24.22

7	L	0.70	0.70	102.202	-4.210	-14.125	0.50	24.50	23.77	8.85
				189.600	-4.210	-17.450	0.50	24.50	24.02	8.64
				189.900	-17.970	-3.370	0.50	24.50	8.45	24.21

24.50 24.02 24.21

7	K	0.45	0.70	48.627	-5.420	-6.708	0.50	15.75	8.57	12.43
				87.590	5.420	12.330	0.50	15.75	13.31	7.69
				80.880	11.150	4.470	0.50	15.75	5.60	15.40

15.75 13.31 15.40

8	M	0.45	0.70	53.800	-5.460	-9.886	0.50	15.75	11.71	9.25
				96.840	-5.460	-12.700	0.50	15.75	13.40	7.60
				89.800	-11.490	-4.850	0.50	15.75	5.64	15.36

15.75 13.40 15.36

8	M	0.70	0.70	90.507	4.530	-15.265	0.50	24.50	23.78	8.89
				160.300	4.530	-18.700	0.50	24.50	24.02	8.65
				161.730	-14.480	-3.840	0.50	24.50	8.74	23.93

24.50 24.02 23.93

8	L	0.70	0.70	92.651	-4.530	-15.031	0.50	24.50	23.76	8.91
				162.450	-4.530	-18.560	0.50	24.50	24.01	8.65
				163.840	14.480	-3.840	0.50	24.50	8.74	23.93

24.50 24.01 23.93

8	K	0.45	0.70	52.000	5.460	-9.515	0.50	15.75	11.57	9.43
				95.070	5.460	-12.300	0.50	15.75	13.25	7.75
				87.870	11.460	-4.450	0.50	15.75	5.58	15.42

15.75 13.25 15.42

9	N	0.45	0.45	22.315	-4.140	-4.132	0.50	10.12	6.74	6.76
				41.780	-4.140	-4.510	0.50	10.12	7.28	6.22
				41.480	-7.530	-1.170	0.50	10.12	3.46	10.04
								10.12	7.28	10.04

9	M	0.70	0.45	26.843	6.650	-6.513	0.50	15.75	13.49	7.51
				60.780	-5.690	10.310	0.50	15.75	15.09	5.91
				50.490	11.830	-1.560	0.50	15.75	5.47	15.53
								15.75	15.09	15.53

9	L	0.70	0.45	28.803	-6.650	-7.026	0.50	15.75	13.81	7.19
				63.200	5.690	10.340	0.50	15.75	15.09	5.91
				52.800	-11.830	-2.070	0.50	15.75	5.64	15.36
								15.75	15.09	15.36

9	K	0.45	0.45	21.325	4.140	-3.862	0.50	10.12	6.31	7.19
				40.670	4.140	-4.170	0.50	10.12	6.80	6.70
				40.370	7.530	-0.830	0.50	10.12	3.42	10.08
								10.12	6.80	10.08

9Ts0Ps16.66Hs10Vh3G18D

BİLSAR A.Ş. MÜHENDİSLİK PROGRAMLARI (0212) 221 29 98 . HER HAKKI SAKLIDIR. SADECE TEM MÜHENDİSLİK LTD. TARAFINDAN KULLANILIR

S.S. KARAKÖY PERŞEMBE PAZARI TİCCARLARI TOPLU İŞYERİ YAPI KOOPERATİFİ 12.KAT KOLON ÇÖZÜMLERİ

BETON = B520 DENİR = 3650.0

KOLON	B	D	N	MX	MY	Ro	As	Asb	Asd	Köşe	B	D	ETR
4	N	0.45	0.45	19.849	4.980	-2.621	0.50	10.12	4.31	9.19			
				29.200	-4.980	3.730	0.50	10.12	5.27	8.23			
				29.050	-7.550	1.180	0.50	10.12	3.46	10.04			
								10.12	5.27	10.04			
4	M	0.70	0.45	25.667	-6.910	-4.102	0.50	15.75	9.73	11.27			
				33.780	6.910	5.600	0.50	15.75	12.45	8.55			
				34.840	11.530	1.570	0.50	15.75	5.49	15.51			
								15.75	12.45	15.51			
4	L	0.70	0.45	27.104	6.910	-4.525	0.50	15.75	10.69	10.31			
				35.260	-6.910	6.200	0.50	15.75	13.05	7.95			
				36.380	-11.530	2.070	0.50	15.75	5.66	15.34			
								15.75	13.05	15.34			
4	K	0.45	0.45	19.192	-4.980	-2.351	0.50	10.12	4.13	9.37			
				28.460	4.980	3.390	0.50	10.12	4.94	8.55			
				28.310	7.550	0.840	0.50	10.12	3.42	10.03			
								10.12	4.94	10.03			
5	N	0.45	0.70	34.333	-5.440	-4.814	0.50	15.75	6.95	14.05			
				60.350	-5.440	10.880	0.50	15.75	12.57	8.43			
				56.950	-9.940	4.410	0.50	15.75	5.68	15.32			
								15.75	12.57	15.32			
5	M	0.70	0.70	61.511	4.230	-9.229	0.50	24.50	22.78	9.88			
				104.500	4.230	15.470	0.50	24.50	23.89	8.78			
				104.790	15.300	4.720	0.50	24.50	8.94	23.72			
								24.50	23.89	23.72			
5	L	0.70	0.70	62.706	-4.230	-9.463	0.50	24.50	22.87	9.80			
				105.930	-4.230	15.320	0.50	24.50	23.88	8.79			
				106.030	-15.300	4.570	0.50	24.50	8.90	23.77			
								24.50	23.88	23.77			
5	K	0.45	0.70	33.109	5.440	-4.958	0.50	15.75	7.05	13.95			
				59.120	5.440	10.540	0.50	15.75	12.37	8.63			
				55.620	9.960	4.070	0.50	15.75	5.61	15.39			
								15.75	12.37	15.39			
6	N	0.45	0.70	35.424	-5.420	-8.469	0.50	15.75	10.55	10.45			
				64.010	-5.420	-11.610	0.50	15.75	12.98	8.02			
				60.650	-9.720	-5.130	0.50	15.75	5.85	15.15			

6	M	0.70	0.70	68.371	4.210	-11.370	0.50	24.50	23.38	9.29
				126.860	4.210	-14.890	0.50	24.50	23.85	8.82
				126.960	15.120	-3.790	0.50	24.50	8.68	23.99
								24.50	23.85	23.99
6	L	0.70	0.70	68.365	-4.210	-11.352	0.50	24.50	23.38	9.29
				126.900	-4.210	-14.870	0.50	24.50	23.85	8.82
				127.050	-15.120	-3.770	0.50	24.50	8.67	23.99
								24.50	23.85	23.99
6	K	0.45	0.70	34.047	5.420	-8.352	0.50	15.75	10.40	10.60
				62.600	5.420	-11.310	0.50	15.75	12.83	8.17
				59.320	9.720	-4.830	0.50	15.75	5.79	15.21
								15.75	12.83	15.21
7	N	0.45	0.70	33.768	5.420	-4.947	0.50	15.75	7.06	13.94
				59.820	-5.420	11.200	0.50	15.75	12.77	8.23
				56.460	-9.720	4.720	0.50	15.75	5.76	15.24
								15.75	12.77	15.24
7	K	0.70	0.70	68.312	4.210	-11.127	0.50	24.50	23.33	9.34
				126.790	4.210	-14.450	0.50	24.50	23.81	8.86
				126.850	15.120	-3.350	0.50	24.50	8.57	24.10
								24.50	23.81	24.10
7	L	0.70	0.70	68.246	-4.210	-11.145	0.50	24.50	23.33	9.33
				126.760	-4.210	-14.470	0.50	24.50	23.81	8.86
				126.830	-15.120	-3.370	0.50	24.50	8.57	24.09
								24.50	23.81	24.09
7	K	0.45	0.70	32.418	-5.420	-4.846	0.50	15.75	8.99	14.01
				56.430	5.420	10.950	0.50	15.75	12.64	8.38
				55.150	9.720	4.470	0.50	15.75	5.71	15.29
								15.75	12.64	15.29
8	N	0.45	0.70	35.921	-5.460	-8.396	0.50	15.75	10.27	10.73
				64.660	-5.460	-11.320	0.50	15.75	12.79	8.21
				61.240	-9.960	-4.850	0.50	15.75	5.76	15.24
								15.75	12.79	15.24
8	M	0.70	0.70	60.637	4.530	-12.415	0.50	24.50	23.41	9.25
				107.390	4.530	-15.850	0.50	24.50	23.83	8.83
				107.680	15.600	-5.100	0.50	24.50	9.04	23.63
								24.50	23.83	23.63
8	L	0.70	0.70	62.052	-4.530	-12.181	0.50	24.50	23.37	9.30
				108.600	-4.530	-15.710	0.50	24.50	23.82	8.85
				108.900	-15.600	-4.960	0.50	24.50	8.99	23.67
								24.50	23.82	23.67
8	K	0.45	0.70	34.724	5.460	-8.135	0.50	15.75	10.07	10.93
				63.480	5.460	-10.920	0.50	15.75	12.57	8.43
				59.980	9.960	-4.450	0.50	15.75	5.68	15.32
								15.75	12.57	15.32

9	N	0.45	0.45	15.530	-4.140	-3.342	0.50	10.12	5.57	7.93
				28.510	-4.140	-3.720	0.50	10.12	6.10	7.40
				28.360	-6.710	-1.170	0.50	10.12	3.48	10.02
								10.12	6.10	10.02

9	N	0.70	0.45	19.045	6.650	-5.083	0.50	15.75	12.04	8.96
				33.370	6.650	-5.590	0.50	15.75	12.68	8.32
				34.430	11.270	-1.560	0.50	15.75	5.49	15.51
								15.75	12.68	15.51

9	L	0.70	0.45	20.362	-6.650	-5.606	0.50	15.75	12.70	8.30
				34.850	-6.650	-6.200	0.50	15.75	13.25	7.75
				35.970	-11.270	-2.070	0.50	15.75	5.68	15.32
								15.75	13.25	15.32

9	K	0.45	0.45	14.873	4.140	-3.072	0.50	10.12	5.23	8.27
				27.770	4.140	-3.380	0.50	10.12	5.62	7.88
				27.620	6.710	-0.830	0.50	10.12	3.43	10.07
								10.12	5.62	10.07

9Ts0Ps16.66Hs10Vv3G18D

BİLSAR A.Ş. MÜHENDİSLİK PROGRAMLARI (0212) 221 29 98 . HER HAKKI SAKLIDIR. SADECE TEM MÜHENDİSLİK LTD. TARAFINDAN KULLANILIR

S.S. KARAKÖY PERŞEMBE PAZARI TİCCARLARI TOPLU İŞYERİ YAPI KOOPERATİFİ 13.KAT KOLON ÇÖZÜMLERİ

BETON =		B20		DEMİR =		3650.0							
KOLON	B	D	N	MX	MY	Ro	As	Asb	Asd	Köşe	B	D	ETR
4	N	0.45	0.45	22.846	-11.968	2.528	0.63	12.75	4.44	12.56			
								12.75	4.44	12.56			
4	M	0.70	0.45	12.327	13.590	-1.206	0.50	15.75	5.35	15.65			
				12.027	4.483	2.150	0.50	15.75	8.17	12.83			
				19.500	13.590	-0.460	0.50	15.75	5.26	15.74			
								15.75	8.17	15.74			
4	L	0.70	0.45	13.050	-13.590	-0.526	0.50	15.75	5.27	15.73			
				12.720	-4.483	3.030	0.50	15.75	11.00	10.00			
				20.300	-13.590	0.380	0.50	15.75	5.26	15.74			
								15.75	11.00	15.74			
4	K	0.45	0.45	22.312	11.968	1.642	0.61	12.34	4.19	12.27			
								12.34	4.19	12.27			
5	N	0.45	0.70	17.249	-7.980	-1.062	0.50	15.75	5.25	15.71			
				30.280	-7.980	11.560	0.50	15.75	9.80	11.20			
								15.75	9.80	15.71			
5	M	0.70	0.70	30.943	8.180	-4.379	0.50	24.50	10.51	22.18			
				52.870	8.180	14.190	0.50	24.50	21.79	10.68			
				53.040	14.950	7.570	0.50	24.50	10.26	22.41			
								24.50	21.79	22.41			
5	L	0.70	0.70	31.560	-8.180	-4.766	0.50	24.50	10.94	21.73			
				53.560	-8.180	14.050	0.50	24.50	21.73	10.93			
				53.650	-14.950	7.430	0.50	24.50	10.18	22.48			
								24.50	21.73	22.48			
5	K	0.45	0.70	16.637	7.980	-1.422	0.50	15.75	5.32	15.68			
				29.670	7.980	10.630	0.50	15.75	9.10	11.90			
								15.75	9.10	15.68			
6	N	0.45	0.70	17.703	-7.970	-7.504	0.50	15.75	7.17	13.83			
				33.110	-5.220	-9.210	0.50	15.75	11.67	9.33			
				17.703	-7.970	0.376	0.50	15.75	5.25	15.75			
								15.75	11.67	15.75			
6	M	0.70	0.70	34.352	8.080	-7.464	0.50	24.50	15.14	17.53			
				63.970	8.080	-13.510	0.50	24.50	21.58	11.09			
				64.040	14.770	-6.550	0.50	24.50	9.77	22.89			

6	L	0.70	0.70	34.344	-8.090	-7.419	0.50	24.50	15.03	17.63
				63.990	-8.090	-13.490	0.50	24.50	21.56	11.10
				64.080	-14.780	-6.530	0.50	24.50	9.76	22.91
								24.50	21.56	22.91
6	K	0.45	0.70	17.010	7.970	-7.144	0.50	15.75	6.99	14.01
				32.360	5.220	-8.290	0.50	15.75	10.71	10.29
				17.010	7.970	0.736	0.50	15.75	5.27	15.73
								15.75	10.71	15.73
7	N	0.45	0.70	16.884	-7.970	-0.637	0.50	15.75	5.26	15.74
				31.010	-5.220	8.560	0.50	15.75	11.03	9.97
								15.75	11.03	15.74
7	M	0.70	0.70	34.327	8.080	-6.906	0.50	24.50	14.13	18.53
				63.920	8.080	12.700	0.50	24.50	21.19	11.47
				63.940	8.080	-1.220	0.50	24.50	8.35	24.31
								24.50	21.19	24.31
7	L	0.70	0.70	34.290	-8.090	-6.951	0.50	24.50	14.20	18.47
				63.930	-8.090	12.680	0.50	24.50	21.18	11.49
				63.930	-8.090	-1.240	0.50	24.50	8.36	24.31
								24.50	21.18	24.31
7	K	0.45	0.70	16.209	7.970	-0.952	0.50	15.75	5.28	15.72
				30.260	5.220	7.760	0.50	15.75	10.04	10.96
								15.75	10.04	15.72
8	N	0.45	0.70	16.013	-8.020	-6.966	0.50	15.75	6.89	14.11
				33.580	-5.120	-8.400	0.50	15.75	11.03	9.97
				18.113	-8.020	0.774	0.50	15.75	5.27	15.73
								15.75	11.03	15.73
8	M	0.70	0.70	30.617	8.540	-9.068	0.50	24.50	17.26	15.41
				54.330	8.540	-14.770	0.50	24.50	21.77	10.90
				30.997	8.540	4.172	0.50	24.50	10.12	22.55
								24.50	21.77	22.55
8	L	0.70	0.70	31.314	-8.550	-8.699	0.50	24.50	16.61	16.06
				55.010	-8.550	-14.670	0.50	24.50	21.73	10.94
				55.100	-15.320	-8.050	0.50	24.50	10.42	22.25
								24.50	21.73	22.25
8	K	0.45	0.70	17.419	8.020	-6.561	0.50	15.75	6.70	14.30
				31.870	8.020	-11.230	0.50	15.75	9.50	11.50
				17.519	8.020	1.179	0.50	15.75	5.30	15.70
								15.75	9.50	15.70
9	N	0.45	0.45	8.085	-6.270	-2.804	0.50	10.12	4.05	9.45
				14.570	-6.270	-3.390	0.50	10.12	4.36	9.14
				15.770	-6.270	-0.050	0.50	10.12	3.38	10.12
								10.12	4.36	10.12

5	H	0.70	0.45	10.118	12.540	-3.798	0.50	15.75	8.34	14.46
				11.748	3.799	-2.130	0.50	15.75	9.24	11.76
				19.260	12.540	0.480	0.50	15.75	5.27	15.73
								15.75	9.24	15.73
9	L	0.70	0.45	10.791	-12.540	-4.765	0.50	15.75	7.08	13.92
				12.441	-3.799	-3.030	0.50	15.75	12.34	8.66
				20.060	-12.540	-0.380	0.50	15.75	5.26	15.74
								15.75	12.34	15.74
9	K	0.45	0.45	7.752	6.270	-2.327	0.50	10.12	3.84	9.66
				14.200	6.270	-2.770	0.50	10.12	4.03	9.47
				15.400	6.270	0.570	0.50	10.12	3.40	10.10
								10.12	4.03	10.10

DİNAMİK ÇÖZÜM

9Ts0Ps16.66Hs10Vh3G18D

BİLSAR A.Ş. MÜHENDİSLİK PROGRAMLARI (0212) 221 29 98 . HER HAKKI SAKLIDIR. SADECE TEM MÜHENDİSLİK LTD. TARAFINDAN KULLANILIR

S.S. KARAKÖY PERŞEMBE PAZARI TüCCARLARI TOPLU İŞYERİ YAPI KOOPERATİFİ DİNAMİK HESAP

X Yonu

RELATİF HATA = 1e-04 DM

1. MOD

1.0000	0.9869	0.9635	0.9293	0.8839	0.8321	0.7715	0.7025	0.6270	0.5430
0.4478	0.2534	0.0422							

YÜKLER

67.1030	69.4365	67.7810	71.9120	68.8847	59.7555	60.8241	55.7154	45.7329	43.4684
38.1275	14.7577	3.9222							

YÜK TOPLAMI = 667.4810

DM = 2.1359 T = 2.9418 NIT = 4 KATILMA KATSAYISI = 1.242
ETKİN KÜTLE ORANI = 0.843
TOPLAM E.K.O. = 0.843

X Yonu

RELATİF HATA = 0.000 DM

2. MOD

1.0000	0.8714	0.6536	0.3674	0.0449	-0.2534	-0.5215	-0.7235	-0.8397	-0.8896
-0.7979	-0.4900	-0.0864							

YÜKLER

67.1152	61.2053	45.7204	28.0057	3.0597	-18.4770	-41.1682	-57.1236	-60.8240	-68.8557
-67.0957	-28.1387	-7.9130							

YÜK TOPLAMI = -144.4895

DM = 6.8467 T = 0.9177 NIT = 4 KATILMA KATSAYISI = -0.357
ETKİN KÜTLE ORANI = 0.052
TOPLAM E.K.O. = 0.896

X Yonu

RELATİF HATA = 0.000 DM

3. MOD

1.0000	0.6098	0.0397	-0.5230	-0.8632	-0.8798	-0.6297	-0.1820	0.3016	0.6881
0.8493	0.6338	0.1267							

YÜKLER

67.5135	43.1488	2.8506	-40.4792	-67.1677	-62.9702	-49.3951	-14.4049	21.7057	54.3429
71.3311	36.3846	11.6096							

YÜK TOPLAMI = 74.4636

DM = 12.5454 T = 0.5008 NIT = 5 KATILMA KATSAYISI = 0.191
ETKİN KÜTLE ORANI = 0.014
TOPLAM E.K.O. = 0.910

DİNAMİK HESAP

Amax = 3.9240 Yapı Davranış KatSayısı = 8.0000

Sa/Amax ORANLARI

0.4025
1.0221
1.6591

BETALAR

1.9609 -1.4322 1.2448

MAKSİMUM YÜKLER

183.3493 169.4084 139.8089 128.2412 116.9728 102.9291 105.2675 95.1857 78.5861 60.4714
81.8695 36.0158 10.2426

HESAP YÜKLERİ

22.9187 21.1761 17.4761 16.0301 14.6216 12.8661 13.1584 11.8982 9.8235 10.0589
10.2337 4.5020 1.2803

YÜK TOPLAMI = 166.0438

Y Yonu
RELATİF HATA = 0.0000 DM

1. MOD

1.0000 0.9851 0.9582 0.9187 0.8661 0.8064 0.7369 0.6578 0.5726 0.4791
-0.3751 0.1992 0.0426

YÜKLER

67.1030 69.3085 67.4084 71.0900 67.4911 57.9096 58.0919 52.1708 41.8184 38.3500
31.9356 11.6041 3.9616

YÜK TOPLAMI = 638.2427

DM = 3.1050 T = 2.0235 NIT = 4 KATILMA KATSAYISI = 1.266
ETKİN KÜTLE ORANI = 0.822
TOPLAM E.K.O. = 0.822

Y Yonu
RELATİF HATA = 0.000 DM

2. MOD

1.0000 0.8634 0.6310 0.3259 -0.0149 -0.3215 -0.5879 -0.7760 -0.8656 -0.8601

-0.7473 -0.4266 -0.0961

YÜKLER

67.1158 60.6473 44.1547 24.8392 -1.5394 -23.3072 -46.3450 -61.2502 -62.7192 -68.1480
-62.8965 -24.5301 -8.8156

YÜK TOPLAMI = -162.7944

DM = 9.6254 T = 0.6528 NIT = 4 KATILMA KATSAYISI = -0.400
ETKİN KÜTLE ORANI = 0.066
TOPLAM E.K.O. = 0.888

Y Yönü
RELATİF HATA = 0.000 DM

3. MOD

1.0000 0.5986 0.0120 -0.5600 -0.8883 -0.8716 -0.5783 -0.0967 0.3903 0.7489
0.8523 0.5728 0.1440

YÜKLER

67.4756 42.3393 0.9043 -43.3354 -69.1457 -62.4354 -45.4398 -7.7241 28.1571 59.2668
71.7364 32.9653 13.2309

YÜK TOPLAMI = 87.9954

DM = 17.3591 T = 0.3620 NIT = 5 KATILMA KATSAYISI = 0.222
ETKİN KÜTLE ORANI = 0.020
TOPLAM E.K.O. = 0.908

DİNAMİK HESAP

Amax = 3.9240 Yapı Davranış KatSayısı = 8.0000

Sa/Amax ORANLARI

0.5429
1.3422
2.1514

BETALAR

2.6968 -2.1089 1.8771

MAKSİMUM YÜKLER

262.3416 238.0760 190.0636 168.4755 152.0514 134.1525 135.7394 120.1034 98.0677 101.1943
102.8198 43.6366 16.1473

HESAP YÜKLERİ

32.7927 29.7595 23.7579 21.0594 19.0064 16.7691 16.9674 15.0129 12.2585 12.6493
12.8525 5.4546 2.0184

YÜK TOPLAMI = 220.3586

ŞARTNAME GEREĞİ YENİ DEPREM YÜKLERİ

X Yönü Oranı = 2.091

Y Yönü Oranı = 1.575

FX	FY
47.914	51.659
44.271	46.881
36.536	37.426
33.513	33.175
30.568	29.941
26.898	26.417
27.509	26.729
24.875	23.650
20.537	19.311
21.029	19.927
21.395	20.247
9.412	8.593
2.677	3.180

S.S. KARAKÖY PERŞEMBE PAZARI TUCARLARI TOPLU İŞYERİ YAPI KOOPERATİFİ YATAY YÜKLERE GÖRE HESAP

KAT DEPLASMANLARI

KAT NO	DX(X)	TETA(X)	DY(X)	DX(Y)	TETA(Y)	DY(Y)
13	0.04141	-0.00003	0.00015	-0.00413	0.00023	0.03305
12	0.04078	-0.00003	0.00015	-0.00413	0.00023	0.03243
11	0.03969	-0.00003	0.00015	-0.00413	0.00023	0.03134
10	0.03817	-0.00003	0.00015	-0.00413	0.00023	0.02985
9	0.03627	-0.00003	0.00015	-0.00413	0.00023	0.02797
8	0.03423	-0.00003	0.00015	-0.00413	0.00023	0.02597

7	0.03191	-0.00003	0.00015	-0.00413	0.00023	0.02371
6	0.02931	-0.00003	0.00015	-0.00412	0.00023	0.02119
5	0.02653	-0.00003	0.00015	-0.00411	0.00023	0.01853
4	0.02343	-0.00003	0.00015	-0.00407	0.00023	0.01562
3	0.01982	-0.00002	0.00014	-0.00393	0.00022	0.01232
2	0.01093	-0.00002	0.00010	-0.00306	0.00017	0.00665
1	0.00170	-0.00000	0.00000	-0.00015	0.00000	0.00138

KAT DEPLASMANLARI (+0.05 DIŞMERKEZLİK İÇİN)

KAT NO	DX(X)	TETA(X)	DY(X)	DX(Y)	TETA(Y)	DY(Y)
13	0.04595	-0.00028	0.00262	-0.01181	0.00067	0.02887
12	0.04525	-0.00028	0.00257	-0.01167	0.00066	0.02834
11	0.04402	-0.00027	0.00249	-0.01143	0.00064	0.02740
10	0.04231	-0.00026	0.00237	-0.01110	0.00062	0.02610
9	0.04018	-0.00025	0.00223	-0.01069	0.00060	0.02447
8	0.03788	-0.00023	0.00208	-0.01025	0.00058	0.02273
7	0.03526	-0.00022	0.00190	-0.00975	0.00055	0.02077
6	0.03233	-0.00020	0.00171	-0.00919	0.00052	0.01858
5	0.02920	-0.00018	0.00150	-0.00858	0.00048	0.01628
4	0.02572	-0.00015	0.00127	-0.00789	0.00044	0.01376
3	0.02168	-0.00013	0.00101	-0.00703	0.00039	0.01087
2	0.01200	-0.00008	0.00056	-0.00485	0.00027	0.00589
1	0.00189	-0.00001	0.00011	-0.00046	0.00003	0.00121

KAT DEPLASMANLARI (-0.05 DIŞMERKEZLİK İÇİN)

KAT NO	DX(X)	TETA(X)	DY(X)	DX(Y)	TETA(Y)	DY(Y)
13	0.03686	0.00023	-0.00231	0.00355	-0.00021	0.03722
12	0.03632	0.00023	-0.00226	0.00341	-0.00020	0.03652
11	0.03536	0.00022	-0.00218	0.00317	-0.00019	0.03529
10	0.03404	0.00021	-0.00207	0.00284	-0.00017	0.03359
9	0.03237	0.00020	-0.00193	0.00243	-0.00014	0.03148
8	0.03058	0.00018	-0.00177	0.00199	-0.00012	0.02921
7	0.02855	0.00016	-0.00160	0.00149	-0.00009	0.02665
6	0.02628	0.00015	-0.00140	0.00094	-0.00006	0.02379
5	0.02385	0.00013	-0.00120	0.00036	-0.00002	0.02078
4	0.02114	0.00010	-0.00097	-0.00024	0.00000	0.01749
3	0.01796	0.00008	-0.00073	-0.00083	0.00004	0.01377
2	0.00986	0.00004	-0.00035	-0.00128	0.00007	0.00741
1	0.00151	0.00000	-0.00010	0.00016	-0.00000	0.00155

RELATİF DEPLASMANLAR VE DÜZENLİLİK KATSAYILARI

KAT No	Yön	Ortalama Rel. Dep.	Max. Rel. Dep	Burulma Oranı (A1)	Etkili Kesme Alanı	Zayıf Kat Oranı (B1)	Yumuşak Kat Oranı (B2)	Rel. Dep./ Kat Yks.
13	X	0.00062	0.00062	1.000	8.510			
	Y	0.00062	0.00062	1.000	8.510			
12	X	0.00109	0.00109	1.000	8.510	1.000	1.755	0.000157
	Y	0.00108	0.00108	1.000	8.510	1.000	1.748	0.000154
11	X	0.00152	0.00152	1.000	8.510	1.000	1.385	0.000140
	Y	0.00150	0.00150	1.000	8.510	1.000	1.384	0.000138
10	X	0.00190	0.00190	1.000	8.510	1.000	1.253	0.000128
	Y	0.00187	0.00187	1.000	8.510	1.000	1.250	0.000125
9	X	0.00204	0.00204	1.000	10.920	1.283	1.077	0.000049

	Y	0.00200	0.00200	1.000	10.920	1.283	1.069	0.000043
8	X	0.00232	0.00232	1.000	10.920	1.000	1.136	0.000093
	Y	0.00226	0.00226	1.000	10.920	1.000	1.131	0.000087
7	X	0.00260	0.00260	1.000	10.920	1.000	1.119	0.000093
	Y	0.00253	0.00253	1.001	10.920	1.000	1.117	0.000089
6	X	0.00278	0.00278	1.001	12.880	1.179	1.068	0.000059
	Y	0.00267	0.00267	1.003	12.880	1.179	1.055	0.000048
5	X	0.00309	0.00310	1.002	12.880	1.000	1.114	0.000107
	Y	0.00293	0.00296	1.009	12.880	1.000	1.099	0.000094
4	X	0.00358	0.00360	1.006	12.880	1.000	1.158	0.000168
	Y	0.00338	0.00346	1.023	12.880	1.000	1.153	0.000167
3	X	0.00879	0.00889	1.011	15.810	1.227	2.455	0.001762
	Y	0.00618	0.00668	1.082	15.810	1.227	1.828	0.001074
2	X	0.00893	0.00923	1.034	15.990	1.011	1.015	0.000113
	Y	0.00697	0.00867	1.244	16.884	1.068	1.129	0.000665
1	X	0.00168	0.00170	1.013	15.810	0.989	0.188	0.002510
	Y	0.00146	0.00155	1.059	15.810	0.936	0.210	0.002375

RELATİF DEPLASMANLAR VE DÜZENSİZLİK KATSAYILARI (+0.05 DİŞMERKEZLİK İÇİN)

KAT No	Yön	Ortalama Rel. Dep.	Max. Rel. Dep	Burulma Oranı (R1)	Etkili Kesme Alanı	Zayıf Kat Oranı (R1)	Yumuşak Kat Oranı (R2)	Rel. Dep./ Kat Yks.
13	X	0.00062	0.00070	1.125	8.510			
	Y	0.00062	0.00071	1.139	8.510			
12	X	0.00109	0.00123	1.125	8.510	1.000	1.755	0.000176
	Y	0.00108	0.00123	1.135	8.510	1.000	1.748	0.000174
11	X	0.00152	0.00170	1.124	8.510	1.000	1.385	0.000157
	Y	0.00150	0.00170	1.132	8.510	1.000	1.384	0.000156
10	X	0.00190	0.00213	1.123	8.510	1.000	1.253	0.000143
	Y	0.00187	0.00212	1.130	8.510	1.000	1.250	0.000140
9	X	0.00204	0.00230	1.126	10.920	1.283	1.077	0.000057
	Y	0.00200	0.00227	1.133	10.920	1.283	1.069	0.000051
8	X	0.00232	0.00262	1.126	10.920	1.000	1.136	0.000104
	Y	0.00226	0.00256	1.133	10.920	1.000	1.131	0.000099
7	X	0.00260	0.00293	1.126	10.920	1.000	1.119	0.000104
	Y	0.00253	0.00286	1.132	10.920	1.000	1.117	0.000099
6	X	0.00278	0.00313	1.128	12.880	1.179	1.068	0.000068
	Y	0.00267	0.00303	1.137	12.880	1.179	1.055	0.000057
5	X	0.00309	0.00349	1.127	12.880	1.000	1.114	0.000118
	Y	0.00294	0.00335	1.141	12.880	1.000	1.100	0.000106
4	X	0.00358	0.00403	1.126	12.880	1.000	1.159	0.000183
	Y	0.00339	0.00390	1.150	12.880	1.000	1.156	0.000185
3	X	0.00880	0.00968	1.100	15.810	1.227	2.456	0.001882
	Y	0.00626	0.00755	1.205	15.810	1.227	1.846	0.001216

2	X	0.00895	0.01012	1.131	15.990	1.011	1.017	0.000146
	Y	0.00725	0.00982	1.354	16.884	1.068	1.158	0.000756
1	X	0.00168	0.00189	1.123	15.810	0.989	0.188	0.002744
	Y	0.00148	0.00175	1.184	15.810	0.936	0.204	0.002691

RELATİF DEPLASMANLAR VE DÜZENSİZLİK KATSAYILARI (-0.05 DİŞMERKEZLİK İÇİN)

KAT No	Yön	Ortalama Rel. Dep.	Max. Rel. Dep	Burulma Oranı (A1)	Etkili Kesme Alanı	Zayıf Kat Oranı (B1)	Yumuşak Kat Oranı (B2)	Rel. Dep./ Kat Yks.
13	X	0.00062	0.00070	1.129	8.510			
	Y	0.00062	0.00071	1.139	8.510			
12	X	0.00109	0.00123	1.125	8.510	1.000	1.755	0.000176
	Y	0.00108	0.00123	1.135	8.510	1.000	1.748	0.000174
11	X	0.00152	0.00170	1.124	8.510	1.000	1.385	0.000157
	Y	0.00150	0.00170	1.132	8.510	1.000	1.384	0.000156
10	X	0.00190	0.00213	1.123	8.510	1.000	1.253	0.000143
	Y	0.00187	0.00212	1.130	8.510	1.000	1.250	0.000140
9	X	0.00204	0.00230	1.126	10.920	1.283	1.077	0.000057
	Y	0.00200	0.00227	1.133	10.920	1.283	1.069	0.000050
8	X	0.00232	0.00262	1.126	10.920	1.000	1.136	0.000104
	Y	0.00226	0.00256	1.132	10.920	1.000	1.130	0.000098
7	X	0.00260	0.00293	1.125	10.920	1.000	1.119	0.000103
	Y	0.00253	0.00286	1.130	10.920	1.000	1.117	0.000098
6	X	0.00278	0.00313	1.126	12.880	1.179	1.068	0.000067
	Y	0.00266	0.00301	1.131	12.880	1.179	1.055	0.000052
5	X	0.00309	0.00347	1.122	12.880	1.000	1.114	0.000115
	Y	0.00293	0.00329	1.124	12.880	1.000	1.098	0.000092
4	X	0.00358	0.00399	1.114	12.880	1.000	1.158	0.000173
	Y	0.00336	0.00371	1.105	12.880	1.000	1.149	0.000142
3	X	0.00879	0.00947	1.078	15.810	1.227	2.454	0.001828
	Y	0.00609	0.00636	1.046	15.810	1.227	1.810	0.000883
2	X	0.00891	0.00947	1.063	15.990	1.011	1.014	0.000000
	Y	0.00669	0.00753	1.124	16.884	1.068	1.100	0.000387
1	X	0.00168	0.00184	1.097	15.810	0.989	0.188	0.002544
	Y	0.00145	0.00155	1.068	15.810	0.936	0.216	0.001993

4 AKSI KIRIS MOMENTLERİ

KAT NO	I	J	ADI	MIX	MIY	TX	MIY	MIY	TY
13	4+N	4+N	K1301	-1.99	-2.41	-0.65	0.41	0.50	0.13
	4+L	4+K	K1302	-2.41	-1.99	-0.65	0.50	0.41	0.13
12	4+N	4+N	K1201	-4.21	-4.60	-1.30	0.85	0.92	0.26
	4+L	4+K	K1202	-4.60	-4.21	-1.30	0.92	0.85	0.26

11	4+N	4+M	K1101	-6.44	-7.18	-2.01	1.26	1.40	0.39
	4+L	4+K	K1102	-7.18	-6.44	-2.01	1.40	1.26	0.39
10	4+N	4+M	K1001	-8.23	-8.96	-2.54	1.57	1.71	0.49
	4+M	4+L	K1002	-3.69	-3.69	-1.05	0.71	0.71	0.20
	4+L	4+K	K1001	-8.96	-8.23	-2.54	1.71	1.57	0.49
9	4+N	4+M	K901	-10.15	-10.85	-3.11	1.95	2.08	0.60
	4+M	4+L	K902	-4.38	-4.38	-1.25	0.84	0.84	0.24
	4+L	4+K	K901	-10.85	-10.15	-3.11	2.08	1.95	0.60
8	4+N	4+M	K801	-11.84	-12.76	-3.65	2.28	2.46	0.70
	4+L	4+K	K801A	-12.77	-11.84	-3.65	2.46	2.28	0.70
7	4+N	4+M	K701	-13.20	-13.98	-4.03	2.51	2.66	0.77
	4+M	4+L	K702	-5.59	-5.59	-1.60	1.06	1.06	0.30
	4+L	4+K	K701	-13.97	-13.20	-4.03	2.66	2.51	0.77
6	4+N	4+M	K601	-14.46	-15.42	-4.43	2.79	2.98	0.85
	4+M	4+L	K602	-6.21	-6.21	-1.77	1.20	1.20	0.34
	4+L	4+K	K601	-15.43	-14.46	-4.43	2.98	2.79	0.85
5	4+N	4+M	K501	-15.87	-17.24	-4.90	3.09	3.34	0.95
	4+L	4+K	K501A	-17.19	-15.87	-4.90	3.34	3.09	0.95
4	4+N	4+M	K401	-18.00	-19.23	-5.52	3.77	4.07	1.16
	4+M	4+L	K402	-7.77	-7.78	-2.22	1.66	1.67	0.48
	4+L	4+K	K401	-19.45	-18.00	-5.52	4.07	3.77	1.16
3	4+N	4+M	K301	-20.51	-22.18	-6.35	4.05	4.25	1.23
	4+M	4+L	K302	-8.94	-8.88	-2.55	1.66	1.64	0.47
	4+L	4+K	K301	-21.07	-20.51	-6.35	4.25	4.05	1.23
2	4+N	4+M	K201	-23.56	-26.41	-7.43	8.23	8.31	2.61
	4+M	4+L	K202	-11.39	-11.73	-3.30	4.05	4.17	1.17
1	4+N	4+M	K101	-16.74	-17.72	-5.12	5.92	6.25	1.81
	4+M	4+L	K102	-18.06	-18.14	-5.17	6.36	6.39	1.82
	4+L	4+K	K101	-7.23	-7.01	-2.12	2.55	2.48	0.75

5 AKSI KIRIS MOMENTLERI

KAT	I	J	ADI	MIX	MJX	TX	MIY	MJY	TY
NO									
13	5+N	5+M	K1303	-3.42	-3.94	-1.09	0.44	0.51	0.14
	5+M	5+L	K1304	-3.84	-3.60	-1.06	0.50	0.47	0.14
	5+L	5+K	K1303	-4.18	-3.42	-1.12	0.54	0.44	0.14
12	5+N	5+M	K1203	-7.72	-8.40	-2.38	0.97	1.06	0.30
	5+M	5+L	K1204	-7.83	-7.52	-2.19	0.99	0.95	0.28
	5+L	5+K	K1203	-8.71	-7.72	-2.43	1.10	0.97	0.31
11	5+N	5+M	K1103	-11.73	-12.85	-3.63	1.44	1.58	0.44
	5+M	5+L	K1104	-12.05	-11.53	-3.37	1.48	1.42	0.41
	5+L	5+K	K1103	-13.37	-11.73	-3.70	1.64	1.44	0.45
10	5+N	5+M	K1003	-15.12	-16.45	-4.66	1.82	1.97	0.56
	5+M	5+L	K1004	-17.21	-16.55	-4.82	2.06	1.99	0.58
	5+L	5+K	K1003	-17.10	-15.12	-4.76	2.05	1.82	0.57
9	5+N	5+M	K903	-19.21	-20.62	-5.90	2.32	2.48	0.71
	5+M	5+L	K904	-21.24	-20.55	-5.97	2.56	2.48	0.72

	5+L	5+K	K903	-21.31	-19.21	-6.00	2.57	2.32	0.72
8	5+N	5+M	K803	-22.68	-24.25	-6.95	2.74	2.93	0.84
	5+M	5+L	K804	-22.20	-21.47	-6.24	2.69	2.60	0.76
	5+L	5+K	K803	-24.97	-22.68	-7.06	3.02	2.74	0.85
7	5+N	5+M	K703	-25.36	-26.90	-7.74	3.04	3.22	0.93
	5+M	5+L	K704	-27.41	-26.66	-7.72	3.28	3.19	0.92
	5+L	5+K	K703	-27.64	-25.36	-7.85	3.30	3.04	0.94
6	5+N	5+M	K603	-28.26	-30.40	-8.69	3.43	3.69	1.05
	5+M	5+L	K604	-31.38	-30.34	-8.82	3.81	3.69	1.07
	5+L	5+K	K603	-31.46	-28.27	-8.85	3.82	3.42	1.07
5	5+N	5+M	K503	-32.27	-34.34	-9.87	3.94	4.19	1.20
	5+M	5+L	K504	-31.28	-30.29	-8.80	3.81	3.69	1.07
	5+L	5+K	K503	-35.23	-32.22	-9.99	4.29	3.95	1.22
4	5+N	5+M	K403	-31.78	-36.56	-10.12	4.33	4.92	1.37
	5+M	5+L	K404	-39.99	-37.80	-11.11	5.34	5.06	1.49
	5+L	5+K	K403	-39.20	-32.10	-10.56	5.24	4.25	1.41
3	5+N	5+M	K303	-62.70	-54.93	-17.49	7.24	6.48	2.04
	5+M	5+L	K304	-44.82	-47.83	-13.24	5.37	5.76	1.59
	5+L	5+K	K303	-49.79	-60.96	-16.47	5.99	7.66	2.03
2	5+N	5+M	K203	-95.45	-75.34	-25.40	20.71	16.56	5.54
	5+M	5+L	K204	-49.50	-51.65	-14.45	11.12	4.11	2.17
1	5+N	5+M	K103	-54.20	-46.31	-14.95	14.30	11.44	3.83
	5+M	5+L	K104	-37.32	-36.74	-10.58	8.36	8.35	2.39
	5+L	5+K	K103	-15.08	-12.48	-4.10	3.42	3.06	0.96

6 AKSI KIRIS MOMENTLERI

KAT NO	I	J	ADI	MIX	MJX	TX	MIY	MJY	TY
13	6+N	6+M	K1305	-3.24	-3.91	-1.06	0.15	0.18	0.05
	6+M	6+L	K1306	-3.79	-4.01	-1.11	0.17	0.18	0.05
	6+L	6+K	K1305	-3.69	-3.24	-1.02	0.17	0.15	0.05
12	6+N	6+M	K1205	-7.33	-8.23	-2.30	0.32	0.36	0.10
	6+M	6+L	K1206	-7.97	-8.27	-2.32	0.35	0.36	0.10
	6+L	6+K	K1205	-7.94	-7.33	-2.25	0.35	0.32	0.10
11	6+N	6+M	K1105	-11.13	-12.59	-3.50	0.48	0.54	0.15
	6+M	6+L	K1106	-12.18	-12.66	-3.55	0.52	0.54	0.15
	6+L	6+K	K1105	-12.11	-11.13	-3.43	0.52	0.48	0.15
10	6+N	6+M	K1005	-14.43	-16.34	-4.54	0.61	0.69	0.19
	6+M	6+L	K1006	-15.82	-16.45	-4.61	0.66	0.69	0.19
	6+L	6+K	K1005	-15.71	-14.43	-4.45	0.66	0.61	0.19
9	6+N	6+M	K905	-18.33	-20.38	-5.73	0.77	0.86	0.24
	6+M	6+L	K906	-19.65	-20.32	-5.71	0.83	0.86	0.24
	6+L	6+K	K905	-19.70	-18.33	-5.63	0.83	0.77	0.24
8	6+N	6+M	K805	-21.54	-23.57	-6.68	0.91	1.00	0.28
	6+M	6+L	K806	-22.73	-23.40	-6.59	0.96	0.99	0.28
	6+L	6+K	K805	-22.90	-21.54	-6.58	0.97	0.91	0.28
7	6+N	6+M	K705	-24.18	-26.39	-7.49	1.01	1.10	0.31
	6+M	6+L	K706	-25.45	-26.18	-7.38	1.06	1.09	0.31

	6+L	6+K	K705	-25.67	-24.18	-7.39	1.07	1.01	0.31
6	6+N	6+M	K605	-26.99	-30.06	-8.45	1.15	1.28	0.36
	6+M	6+L	K606	-28.98	-30.00	-8.43	1.23	1.28	0.36
	6+L	6+K	K605	-29.04	-26.95	-8.29	1.24	1.14	0.35
5	6+N	6+M	K505	-30.46	-33.28	-9.44	1.30	1.42	0.40
	6+M	6+L	K506	-32.09	-33.00	-9.30	1.37	1.41	0.40
	6+L	6+K	K505	-32.41	-30.62	-9.34	1.39	1.32	0.40
4	6+N	6+M	K405	-31.42	-37.81	-10.26	1.56	1.83	0.50
	6+M	6+L	K406	-36.46	-38.64	-10.73	1.76	1.86	0.52
	6+L	6+K	K405	-35.35	-30.57	-9.77	1.68	1.43	0.46
3	6+N	6+M	K305	-53.69	-45.39	-14.73	1.96	1.79	0.56
	6+M	6+L	K306	-43.61	-40.68	-12.04	1.72	1.64	0.48
	6+L	6+K	K305	-50.18	-58.17	-16.11	2.16	2.62	0.71
1	6+N	6+M	K105	-45.96	-37.83	-12.46	4.70	3.40	1.21
	6+M	6+L	K106	-36.34	-34.53	-10.12	3.27	2.93	0.89
	6+L	6+K	K105	-13.07	-11.71	-3.69	1.16	1.05	0.33

7 AKSI KIRIS MOMENTLERI

KAT NO	I	J	ADI	MIX	NJX	TX	MIY	NJY	TY
13	7+N	7+M	K1317	-3.24	-3.91	-1.06	0.15	0.18	0.05
	7+M	7+L	K1306	-3.79	-4.01	-1.11	0.17	0.18	0.05
	7+L	7+K	K1305	-3.63	-3.24	-1.02	0.17	0.13	0.05
12	7+N	7+M	K1217	-7.33	-8.23	-2.30	0.32	0.36	0.10
	7+M	7+L	K1206	-7.97	-8.27	-2.32	0.35	0.36	0.10
	7+L	7+K	K1205	-7.94	-7.33	-2.25	0.35	0.32	0.10
11	7+N	7+M	K1117	-11.13	-12.59	-3.50	0.48	0.54	0.15
	7+M	7+L	K1106	-12.18	-12.66	-3.55	0.52	0.54	0.15
	7+L	7+K	K1105	-12.11	-11.13	-3.43	0.52	0.48	0.15
10	7+N	7+M	K1017	-14.43	-16.34	-4.54	0.61	0.69	0.19
	7+M	7+L	K1006	-15.82	-16.45	-4.61	0.66	0.69	0.19
	7+L	7+K	K1005	-15.71	-14.43	-4.45	0.66	0.61	0.19
9	7+N	7+M	K917	-18.33	-20.38	-5.73	0.77	0.86	0.24
	7+M	7+L	K906	-19.65	-20.32	-5.71	0.83	0.86	0.24
	7+L	7+K	K905	-19.70	-18.33	-5.63	0.83	0.77	0.24
8	7+N	7+M	K817	-21.54	-23.57	-6.68	0.91	1.00	0.28
	7+M	7+L	K806	-22.73	-23.40	-6.59	0.96	0.99	0.28
	7+L	7+K	K805	-22.90	-21.54	-6.58	0.97	0.91	0.28
7	7+N	7+M	K717	-24.18	-26.39	-7.49	1.00	1.10	0.31
	7+M	7+L	K706	-25.45	-26.18	-7.37	1.06	1.09	0.31
	7+L	7+K	K705	-25.66	-24.18	-7.38	1.07	1.00	0.31
6	7+N	7+M	K617	-26.98	-30.05	-8.45	1.11	1.23	0.35
	7+M	7+L	K606	-28.97	-29.99	-8.42	1.19	1.23	0.35
	7+L	7+K	K605	-29.03	-26.95	-8.29	1.19	1.11	0.34
5	7+N	7+M	K517	-30.44	-33.26	-9.44	1.22	1.34	0.38
	7+M	7+L	K506	-32.07	-32.98	-9.29	1.29	1.33	0.37
	7+L	7+K	K505	-32.39	-30.60	-9.33	1.29	1.21	0.37
4	7+N	7+M	K417	-31.34	-37.74	-10.23	1.15	1.35	0.37

	7+M	7+L	K406	-36.39	-38.55	-10.71	1.31	1.37	0.38
	7+L	7+K	K405	-35.27	-30.52	-9.75	1.31	1.19	0.37
3	7+M	7+M	K317	-53.58	-45.26	-14.70	1.56	1.36	0.43
	7+M	7+L	K306	-43.48	-40.58	-12.01	1.30	1.24	0.36
	7+L	7+K	K305	-50.03	-57.96	-16.06	1.31	1.32	0.39
1	7+M	7+M	K117	-45.19	-37.28	-12.26	-0.84	-0.27	-0.17
	7+M	7+L	K106	-35.81	-34.07	-9.98	-0.26	-0.09	-0.05
	7+L	7+K	K105	-12.89	-11.54	-3.63	-0.06	-0.08	-0.02

8 AKSI KIRIS MOMENTLERI

KAT	I	J	ADI	MIX	MJX	TX	MIY	MJY	TY
NO									
13	8+M	8+M	K1318	-3.42	-3.94	-1.09	0.44	0.51	0.14
	8+M	8+L	K1304	-3.84	-3.60	-1.06	0.50	0.47	0.14
	8+L	8+K	K1303	-4.19	-3.42	-1.12	0.54	0.44	0.14
12	8+M	8+M	K1218	-7.72	-8.40	-2.38	0.97	1.06	0.30
	8+M	8+L	K1204	-7.83	-7.52	-2.19	0.99	0.95	0.28
	8+L	8+K	K1203	-8.71	-7.72	-2.43	1.10	0.97	0.31
11	8+M	8+M	K1118	-11.73	-12.85	-3.63	1.44	1.58	0.44
	8+M	8+L	K1104	-12.05	-11.53	-3.37	1.48	1.42	0.41
	8+L	8+K	K1103	-13.37	-11.73	-3.70	1.64	1.44	0.45
10	8+M	8+M	K1018	-15.12	-16.45	-4.66	1.82	1.97	0.56
	8+M	8+L	K1004	-17.21	-16.55	-4.82	2.05	1.99	0.58
	8+L	8+K	K1003	-17.10	-15.12	-4.76	2.05	1.82	0.57
9	8+M	8+M	K918	-19.21	-20.62	-5.90	2.31	2.48	0.71
	8+M	8+L	K904	-21.23	-20.55	-5.97	2.56	2.47	0.72
	8+L	8+K	K903	-21.31	-19.21	-6.00	2.57	2.31	0.72
8	8+M	8+M	K818	-22.68	-24.24	-6.95	2.74	2.93	0.84
	8+M	8+L	K804	-22.20	-21.47	-6.24	2.68	2.59	0.75
	8+L	8+K	K803	-24.97	-22.68	-7.06	3.01	2.74	0.85
7	8+M	8+M	K718	-25.36	-26.89	-7.74	3.01	3.19	0.92
	8+M	8+L	K704	-27.41	-26.65	-7.72	3.25	3.16	0.92
	8+L	8+K	K703	-27.64	-25.36	-7.85	3.28	3.01	0.93
6	8+M	8+M	K618	-28.25	-30.38	-8.68	3.33	3.57	1.02
	8+M	8+L	K604	-31.36	-30.32	-8.81	3.68	3.56	1.04
	8+L	8+K	K603	-31.44	-28.26	-8.84	3.69	3.33	1.04
5	8+M	8+M	K518	-32.22	-34.29	-9.85	3.64	3.90	1.12
	8+M	8+L	K504	-31.23	-30.25	-8.78	3.59	3.46	1.01
	8+L	8+K	K503	-35.18	-32.16	-9.98	4.02	3.62	1.13
4	8+M	8+M	K418	-31.61	-36.37	-10.07	3.45	3.85	1.08
	8+M	8+L	K404	-39.77	-37.61	-11.05	4.09	3.91	1.14
	8+L	8+K	K403	-39.00	-31.95	-10.51	4.06	3.56	1.13
3	8+M	8+M	K318	-62.27	-54.55	-17.37	4.38	4.03	1.25
	8+M	8+L	K304	-44.50	-47.46	-13.14	3.56	3.62	1.03
	8+L	8+K	K303	-49.40	-60.40	-16.33	3.76	3.81	1.13
2	8+M	8+M	K218	-92.64	-73.07	-24.64	-3.22	-2.86	-0.90
	8+M	8+L	K204	-48.03	-50.86	-14.13	-2.23	3.66	0.20
1	8+M	8+M	K118	-52.10	-44.67	-14.39	-3.21	-1.90	-0.76

8+M	8+L	K104	-36.17	-35.57	-10.25	-0.59	-0.66	-0.18
8+L	8+K	K103	-14.60	-12.04	-3.96	-0.27	-0.37	-0.09

9 AKSI KIRIS MOMENTLERI

KAT NO	I	J	ADI	MIX	MJX	TX	MIY	MJY	TY
13	9+M	9+M	K1307	-1.99	-2.41	-0.65	0.41	0.50	0.13
	9+L	9+K	K1308	-2.41	-1.99	-0.65	0.50	0.41	0.13
12	9+M	9+M	K1207	-4.21	-4.60	-1.30	0.85	0.92	0.26
	9+L	9+K	K1208	-4.60	-4.21	-1.30	0.92	0.85	0.26
11	9+M	9+M	K1107	-6.44	-7.18	-2.01	1.26	1.40	0.39
	9+L	9+K	K1108	-7.18	-6.44	-2.01	1.40	1.26	0.39
10	9+M	9+M	K1007	-8.23	-8.96	-2.54	1.57	1.71	0.49
	9+M	9+L	K1008	-3.69	-3.69	-1.05	0.71	0.71	0.20
	9+L	9+K	K1007	-8.96	-8.23	-2.54	1.71	1.57	0.49
9	9+M	9+M	K907	-10.15	-10.85	-3.11	1.94	2.08	0.60
	9+M	9+L	K908	-4.38	-4.38	-1.25	0.84	0.84	0.24
	9+L	9+K	K907	-10.85	-10.15	-3.11	2.08	1.94	0.60
8	9+M	9+M	K807	-11.84	-12.76	-3.64	2.28	2.45	0.70
	9+L	9+K	K807A	-12.76	-11.84	-3.64	2.45	2.28	0.70
7	9+M	9+M	K707	-13.19	-13.97	-4.02	2.49	2.64	0.76
	9+M	9+L	K708	-5.59	-5.59	-1.60	1.06	1.06	0.30
	9+L	9+K	K707	-13.97	-13.19	-4.02	2.64	2.49	0.76
6	9+M	9+M	K607	-14.45	-15.40	-4.42	2.70	2.88	0.83
	9+M	9+L	K608	-6.20	-6.20	-1.77	1.16	1.16	0.33
	9+L	9+K	K607	-15.40	-14.45	-4.42	2.88	2.70	0.83
5	9+M	9+M	K507	-15.83	-17.20	-4.89	2.88	3.14	0.89
	9+L	9+K	K507A	-17.20	-15.83	-4.89	3.14	2.88	0.89
4	9+M	9+M	K407	-17.85	-19.06	-5.47	2.95	3.14	0.90
	9+M	9+L	K408	-7.69	-7.70	-2.20	1.26	1.26	0.36
	9+L	9+K	K407	-19.06	-17.85	-5.47	3.14	2.95	0.90
3	9+M	9+M	K307	-20.27	-21.94	-6.28	2.44	2.76	0.77
	9+M	9+L	K308	-8.87	-8.83	-2.53	1.17	1.17	0.33
	9+L	9+K	K307	-21.94	-20.27	-6.28	2.76	2.44	0.77
2	9+M	9+M	K207	-22.45	-25.14	-7.08	-1.61	-1.93	-0.53
	9+M	9+L	K208	-10.84	-11.16	-3.14	-0.87	-0.90	-0.25
1	9+M	9+M	K107	-15.95	-16.89	-4.88	-0.54	-0.54	-0.16
	9+M	9+L	K108	-17.17	-17.20	-4.91	-0.51	-0.50	-0.14
	9+L	9+K	K107	-16.89	-15.95	-4.88	-0.54	-0.54	-0.16

N AKSI KIRIS MOMENTLERI

KAT NO	I	J	ADI	MIX	MJX	TX	MIY	MJY	TY
13	9+M	8+M	K1309	0.13	0.15	0.04	-1.91	-2.12	-0.59
	8+M	7+M	K1310	0.15	0.15	0.04	-2.25	-2.24	-0.64
	7+M	6+M	K1311	0.15	0.15	0.04	-2.23	-2.23	-0.64

	6+N	5+N	K1310	0.15	0.15	0.04	-2.24	-2.25	-0.64
	5+N	4+N	K1309	0.15	0.13	0.04	-2.12	-1.91	-0.59
12	9+N	8+N	K1209	0.28	0.29	0.08	-4.09	-4.33	-1.24
	8+N	7+N	K1210	0.30	0.30	0.09	-4.43	-4.43	-1.27
	7+N	6+N	K1211	0.30	0.30	0.09	-4.43	-4.43	-1.26
	6+N	5+N	K1210	0.30	0.30	0.09	-4.43	-4.43	-1.27
	5+N	4+N	K1209	0.29	0.28	0.08	-4.33	-4.09	-1.24
11	9+N	8+N	K1109	0.41	0.44	0.13	-6.20	-6.60	-1.89
	8+N	7+N	K1110	0.45	0.45	0.13	-6.77	-6.77	-1.93
	7+N	6+N	K1111	0.45	0.45	0.13	-6.76	-6.76	-1.93
	6+N	5+N	K1110	0.45	0.45	0.13	-6.77	-6.77	-1.93
	5+N	4+N	K1109	0.44	0.41	0.13	-6.60	-6.20	-1.89
10	9+N	8+N	K1009	0.53	0.57	0.16	-8.04	-8.57	-2.45
	8+N	7+N	K1010	0.58	0.58	0.17	-8.80	-8.79	-2.51
	7+N	6+N	K1011	0.58	0.58	0.17	-8.79	-8.79	-2.51
	6+N	5+N	K1010	0.58	0.58	0.17	-8.79	-8.80	-2.51
	5+N	4+N	K1009	0.57	0.53	0.16	-8.57	-8.04	-2.45
9	9+N	8+N	K909	0.67	0.71	0.20	-9.91	-10.46	-3.02
	8+N	7+N	K910	0.72	0.72	0.20	-10.62	-10.61	-3.03
	7+N	6+N	K911	0.72	0.72	0.20	-10.61	-10.61	-3.03
	6+N	5+N	K910	0.72	0.72	0.20	-10.61	-10.62	-3.03
	5+N	4+N	K909	0.71	0.67	0.20	-10.46	-9.91	-3.02
8	9+N	8+N	K809	0.78	0.82	0.24	-11.36	-11.89	-3.44
	8+N	7+N	K810	0.82	0.82	0.23	-11.97	-11.97	-3.42
	7+N	6+N	K811	0.82	0.82	0.23	-11.97	-11.97	-3.42
	6+N	5+N	K810	0.82	0.82	0.23	-11.97	-11.97	-3.42
	5+N	4+N	K809	0.82	0.78	0.24	-11.89	-11.36	-3.44
7	9+N	8+N	K709	0.87	0.91	0.26	-12.77	-13.38	-3.87
	8+N	7+N	K710	0.92	0.92	0.26	-13.48	-13.48	-3.85
	7+N	6+N	K711	0.92	0.92	0.26	-13.47	-13.47	-3.85
	6+N	5+N	K710	0.92	0.92	0.26	-13.48	-13.48	-3.85
	5+N	4+N	K709	0.91	0.87	0.26	-13.38	-12.77	-3.87
6	9+N	8+N	K609	0.96	1.01	0.29	-13.91	-14.64	-4.23
	8+N	7+N	K610	1.02	1.02	0.29	-14.83	-14.83	-4.24
	7+N	6+N	K611	1.02	1.02	0.29	-14.83	-14.83	-4.24
	6+N	5+N	K610	1.02	1.02	0.29	-14.83	-14.83	-4.24
	5+N	4+N	K609	1.01	0.96	0.29	-14.64	-13.91	-4.23
5	9+N	8+N	K509	1.03	1.11	0.32	-14.88	-16.04	-4.58
	8+N	7+N	K510	1.15	1.15	0.33	-16.57	-16.54	-4.73
	7+N	6+N	K511	1.15	1.15	0.33	-16.51	-16.51	-4.72
	6+N	5+N	K510	1.15	1.15	0.33	-16.54	-16.57	-4.73
	5+N	4+N	K509	1.11	1.03	0.32	-16.04	-14.88	-4.58
4	9+N	8+N	K409	1.10	1.11	0.33	-16.59	-16.70	-4.93
	8+N	7+N	K410	1.08	1.08	0.31	-16.28	-16.34	-4.66
	7+N	6+N	K411	1.09	1.09	0.31	-16.41	-16.41	-4.69
	6+N	5+N	K410	1.08	1.08	0.31	-16.34	-16.28	-4.66
	5+N	4+N	K409	1.11	1.10	0.33	-16.70	-16.59	-4.93
3	9+N	8+N	K309	1.21	1.53	0.41	-19.13	-24.03	-6.42
	8+N	7+N	K310	1.77	1.75	0.50	-27.57	-27.35	-7.85
	7+N	6+N	K311	1.74	1.74	0.50	-27.13	-27.13	-7.75
	6+N	5+N	K310	1.75	1.77	0.50	-27.35	-27.57	-7.85
	5+N	4+N	K309	1.53	1.21	0.41	-24.03	-19.13	-6.42
2	9+N	8+N	K209	0.95	1.44	0.35	-18.91	-28.53	-7.05
	8+N	7+N	K210	1.88	1.90	0.54	-37.15	-37.65	-10.69
	6+N	5+N	K210	1.90	1.88	0.54	-37.65	-37.15	-10.69

	5+N	4+N	K209	1.44	0.95	0.35	-28.53	-18.91	-7.05
1	9+N	8+N	K109	0.71	0.85	0.23	-14.07	-17.67	-4.72
	8+N	7+N	K110	0.95	0.95	0.27	-20.46	-20.49	-5.85
	7+N	6+N	K111	0.37	0.37	0.11	-8.07	-8.07	-2.30
	6+N	5+N	K110	0.95	0.95	0.27	-20.49	-20.46	-5.85
	5+N	4+N	K109	0.85	0.71	0.23	-17.67	-14.07	-4.72

M AKSI KIRIS MOMENTLERI

KAT	I	J	ADI	MIX	MJX	TX	MIY	NJY	TY
NO									
13	9+N	8+N	K1312	0.08	0.09	0.02	-3.08	-3.45	-0.96
	8+N	7+N	K1313	0.10	0.10	0.03	-4.09	-4.01	-1.16
	7+N	6+N	K1314	0.10	0.10	0.03	-4.01	-4.01	-1.15
	6+N	5+N	K1313	0.10	0.10	0.03	-4.01	-4.09	-1.16
	5+N	4+N	K1312	0.09	0.08	0.02	-3.45	-3.08	-0.96
12	9+N	8+N	K1212	0.17	0.18	0.05	-6.83	-7.30	-2.09
	8+N	7+N	K1213	0.21	0.20	0.06	-8.40	-8.34	-2.39
	7+N	6+N	K1214	0.20	0.20	0.06	-8.34	-8.34	-2.38
	6+N	5+N	K1213	0.20	0.21	0.06	-8.34	-8.40	-2.39
	5+N	4+N	K1212	0.18	0.17	0.05	-7.30	-6.83	-2.09
11	9+N	8+N	K1112	0.25	0.27	0.08	-10.45	-11.19	-3.20
	8+N	7+N	K1113	0.31	0.31	0.09	-12.86	-12.72	-3.65
	7+N	6+N	K1114	0.31	0.31	0.09	-12.72	-12.72	-3.63
	6+N	5+N	K1113	0.31	0.31	0.09	-12.72	-12.86	-3.65
	5+N	4+N	K1112	0.27	0.25	0.08	-11.19	-10.45	-3.20
10	9+N	8+N	K1012	0.35	0.38	0.11	-14.46	-15.77	-4.46
	8+N	7+N	K1013	0.39	0.39	0.11	-16.50	-16.46	-4.71
	7+N	6+N	K1014	0.39	0.39	0.11	-16.46	-16.46	-4.70
	6+N	5+N	K1013	0.39	0.39	0.11	-16.46	-16.50	-4.71
	5+N	4+N	K1012	0.38	0.35	0.11	-15.77	-14.46	-4.46
9	9+N	8+N	K912	0.44	0.48	0.14	-18.18	-19.60	-5.60
	8+N	7+N	K913	0.49	0.49	0.14	-20.27	-20.27	-5.79
	7+N	6+N	K914	0.49	0.49	0.14	-20.27	-20.27	-5.79
	6+N	5+N	K913	0.49	0.49	0.14	-20.27	-20.27	-5.79
	5+N	4+N	K912	0.48	0.44	0.14	-19.60	-18.18	-5.60
8	9+N	8+N	K812	0.49	0.52	0.15	-19.81	-20.79	-6.02
	8+N	7+N	K813	0.58	0.58	0.17	-23.43	-23.26	-6.67
	7+N	6+N	K814	0.58	0.58	0.16	-23.26	-23.26	-6.65
	6+N	5+N	K813	0.58	0.58	0.17	-23.26	-23.43	-6.67
	5+N	4+N	K812	0.52	0.49	0.15	-20.79	-19.81	-6.02
7	9+N	8+N	K712	0.59	0.62	0.18	-23.83	-25.35	-7.29
	8+N	7+N	K713	0.64	0.64	0.18	-25.91	-25.91	-7.40
	7+N	6+N	K714	0.64	0.64	0.18	-25.91	-25.91	-7.40
	6+N	5+N	K713	0.64	0.64	0.18	-25.91	-25.91	-7.40
	5+N	4+N	K712	0.62	0.59	0.18	-25.35	-23.83	-7.29
6	9+N	8+N	K612	0.66	0.71	0.20	-26.49	-28.51	-8.15
	8+N	7+N	K613	0.73	0.73	0.21	-29.43	-29.44	-8.41
	7+N	6+N	K614	0.73	0.73	0.21	-29.44	-29.44	-8.41
	6+N	5+N	K613	0.73	0.73	0.21	-29.44	-29.43	-8.41
	5+N	4+N	K612	0.71	0.66	0.20	-28.51	-26.49	-8.15
5	9+N	8+N	K512	0.66	0.70	0.20	-26.60	-28.19	-8.12
	8+N	7+N	K513	0.80	0.80	0.23	-32.08	-31.90	-9.14
	7+N	6+N	K514	0.80	0.80	0.23	-31.90	-31.90	-9.11

	6+M	5+M	K513	0.80	0.80	0.23	-31.90	-32.08	-9.14
	5+M	4+M	K512	0.70	0.66	0.20	-28.19	-26.60	-8.12
4	9+M	8+M	K412	0.76	0.82	0.23	-33.22	-35.83	-10.23
	8+M	7+M	K413	0.85	0.85	0.24	-37.13	-37.23	-10.62
	7+M	6+M	K414	0.85	0.85	0.24	-37.23	-37.23	-10.64
	6+M	5+M	K413	0.85	0.85	0.24	-37.23	-37.13	-10.62
	5+M	4+M	K412	0.82	0.76	0.23	-35.83	-33.22	-10.23
3	9+M	8+M	K312	0.67	0.73	0.21	-32.34	-35.08	-10.03
	8+M	7+M	K313	0.76	0.76	0.22	-36.03	-35.55	-10.23
	7+M	6+M	K314	0.76	0.76	0.22	-35.55	-35.55	-10.16
	6+M	5+M	K313	0.76	0.76	0.22	-35.55	-36.03	-10.23
	5+M	4+M	K312	0.73	0.67	0.21	-35.08	-32.34	-10.03
2	9+M	8+M	K212	0.26	0.28	0.08	-29.50	-32.87	-9.27
	8+M	7+M	K213	0.26	0.38	1.38	-32.28	-33.39	-9.38
	6+M	5+M	K213	-11.33	0.26	-1.58	-32.53	-32.28	-9.26
	5+M	4+M	K212	0.28	0.26	0.08	-32.87	-29.50	-9.27
1	9+M	8+M	K112	0.34	0.37	0.10	-25.20	-27.25	-7.80
	8+M	7+M	K113	0.38	0.38	0.11	-27.93	-27.58	-7.93
	7+M	6+M	K114	0.38	0.38	0.11	-27.58	-27.58	-7.88
	6+M	5+M	K113	0.38	0.38	0.11	-27.58	-27.93	-7.93
	5+M	4+M	K112	0.37	0.34	0.10	-27.25	-25.20	-7.80

L AKSI KIRIS MOMENTLERI

KAT	I	J	ADI	MIx	MIY	TX	MIY	MIY	TY
NO									
13	9+L	8+L	K1316	0.08	0.09	0.02	-3.08	-3.62	-0.99
	8+L	7+L	K1313	0.10	0.10	0.03	-3.93	-4.04	-1.14
	7+L	6+L	K1314	0.10	0.10	0.03	-3.98	-3.98	-1.14
	6+L	5+L	K1313	0.10	0.10	0.03	-4.04	-3.93	-1.14
	5+L	4+L	K1312	0.09	0.08	0.02	-3.62	-3.08	-0.99
12	9+L	8+L	K1216	0.17	0.18	0.05	-6.83	-7.53	-2.12
	8+L	7+L	K1213	0.20	0.20	0.06	-8.17	-8.36	-2.36
	7+L	6+L	K1214	0.20	0.20	0.06	-8.32	-8.32	-2.38
	6+L	5+L	K1213	0.20	0.20	0.06	-8.36	-8.17	-2.36
	5+L	4+L	K1212	0.18	0.17	0.05	-7.53	-6.83	-2.12
11	9+L	8+L	K1116	0.25	0.28	0.08	-10.45	-11.53	-3.25
	8+L	7+L	K1113	0.30	0.31	0.09	-12.52	-12.76	-3.61
	7+L	6+L	K1114	0.31	0.31	0.09	-12.67	-12.67	-3.62
	6+L	5+L	K1113	0.31	0.30	0.09	-12.76	-12.52	-3.61
	5+L	4+L	K1112	0.28	0.25	0.08	-11.53	-10.45	-3.25
10	9+L	8+L	K1016	0.35	0.39	0.11	-14.46	-16.40	-4.56
	8+L	7+L	K1013	0.38	0.39	0.11	-15.87	-16.47	-4.62
	7+L	6+L	K1014	0.39	0.39	0.11	-16.44	-16.44	-4.70
	6+L	5+L	K1013	0.39	0.38	0.11	-16.47	-15.87	-4.62
	5+L	4+L	K1012	0.39	0.35	0.11	-16.40	-14.46	-4.56
9	9+L	8+L	K916	0.44	0.50	0.14	-18.18	-20.30	-5.70
	8+L	7+L	K913	0.48	0.49	0.14	-19.58	-20.27	-5.69
	7+L	6+L	K914	0.49	0.49	0.14	-20.27	-20.27	-5.79
	6+L	5+L	K913	0.49	0.48	0.14	-20.27	-19.58	-5.69
	5+L	4+L	K912	0.50	0.44	0.14	-20.30	-18.18	-5.70
8	9+L	8+L	K816	0.49	0.53	0.15	-19.82	-21.25	-6.08
	8+L	7+L	K813	0.57	0.58	0.16	-22.98	-23.32	-6.61
	7+L	6+L	K814	0.58	0.58	0.16	-23.21	-23.21	-6.63

	6+L	5+L	K813	0.58	0.57	0.16	-23.32	-22.98	-6.61
	5+L	4+L	K812	0.53	0.49	0.15	-21.25	-19.82	-6.08
7	9+L	8+L	K716	0.59	0.65	0.18	-23.84	-26.11	-7.40
	8+L	7+L	K713	0.62	0.64	0.18	-25.18	-25.92	-7.30
	7+L	6+L	K714	0.64	0.64	0.18	-25.92	-25.92	-7.41
	6+L	5+L	K713	0.64	0.62	0.18	-25.92	-25.18	-7.30
	5+L	4+L	K712	0.65	0.59	0.18	-26.11	-23.84	-7.40
6	9+L	8+L	K616	0.67	0.75	0.21	-26.55	-29.57	-8.31
	8+L	7+L	K613	0.73	0.75	0.21	-28.52	-29.52	-8.29
	7+L	6+L	K614	0.75	0.75	0.21	-29.52	-29.52	-8.43
	6+L	5+L	K613	0.75	0.73	0.21	-29.52	-28.52	-8.29
	5+L	4+L	K612	0.75	0.67	0.21	-29.57	-26.55	-8.31
5	9+L	8+L	K516	0.70	0.76	0.22	-26.72	-29.04	-8.26
	8+L	7+L	K513	0.82	0.84	0.24	-31.41	-32.04	-9.06
	7+L	6+L	K514	0.83	0.83	0.24	-31.91	-31.91	-9.12
	6+L	5+L	K513	0.84	0.82	0.24	-32.04	-31.41	-9.06
	5+L	4+L	K512	0.76	0.70	0.22	-29.05	-26.72	-8.26
4	9+L	8+L	K416	0.94	1.07	0.30	-33.80	-37.94	-10.63
	8+L	7+L	K413	1.03	1.08	0.30	-36.59	-38.07	-10.67
	7+L	6+L	K414	1.08	1.08	0.31	-38.15	-38.15	-10.90
	6+L	5+L	K413	1.08	1.03	0.30	-38.06	-36.58	-10.66
	5+L	4+L	K412	1.07	0.94	0.30	-37.94	-33.80	-10.63
3	9+L	8+L	K316	1.00	1.06	0.31	-33.12	-36.54	-10.36
	8+L	7+L	K313	1.02	1.01	0.29	-35.10	-35.66	-10.11
	7+L	6+L	K314	0.98	0.98	0.28	-35.24	-35.24	-10.07
	6+L	5+L	K313	1.01	1.02	0.29	-35.67	-35.13	-10.11
	5+L	4+L	K312	1.06	1.00	0.31	-36.56	-33.12	-10.36
2	9+L	8+L	K216	1.79	10.20	1.78	-33.72	-38.68	-10.76
	5+L	4+L	K212A	-8.49	1.78	-1.00	-36.69	-33.67	-10.46
1	9+L	8+L	K116	1.43	1.58	0.45	-28.95	-31.99	-9.06
	8+L	7+L	K113	1.51	1.54	0.44	-30.73	-31.31	-8.86
	7+L	6+L	K114	1.52	1.52	0.43	-31.00	-31.00	-8.86
	6+L	5+L	K113	1.54	1.51	0.44	-31.32	-30.75	-8.87
	5+L	4+L	K112	1.58	1.44	0.45	-32.01	-28.96	-9.07

K AKSI KIRIS MOMENTLERI

KAT NO	I	J	ADI	MIY	MJY	TX	MIY	MJY	TY
13	9+K	8+K	K1320	0.13	0.15	0.04	-1.91	-2.12	-0.59
	8+K	7+K	K1310	0.15	0.15	0.04	-2.25	-2.24	-0.64
	7+K	6+K	K1311	0.15	0.15	0.04	-2.23	-2.23	-0.64
	6+K	5+K	K1310	0.15	0.15	0.04	-2.24	-2.25	-0.64
	5+K	4+K	K1309	0.15	0.13	0.04	-2.12	-1.91	-0.59
12	9+K	8+K	K1220	0.28	0.29	0.08	-4.09	-4.33	-1.24
	8+K	7+K	K1210	0.30	0.30	0.09	-4.43	-4.43	-1.27
	7+K	6+K	K1211	0.30	0.30	0.09	-4.43	-4.43	-1.26
	6+K	5+K	K1210	0.30	0.30	0.09	-4.43	-4.43	-1.27
	5+K	4+K	K1209	0.29	0.28	0.08	-4.33	-4.09	-1.24
11	9+K	8+K	K1120	0.41	0.44	0.13	-6.20	-6.60	-1.89
	8+K	7+K	K1110	0.45	0.45	0.13	-6.77	-6.77	-1.93
	7+K	6+K	K1111	0.45	0.45	0.13	-6.76	-6.76	-1.93
	6+K	5+K	K1110	0.45	0.45	0.13	-6.77	-6.77	-1.93
	5+K	4+K	K1109	0.44	0.41	0.13	-6.60	-6.20	-1.89

10	9+K	8+K	K1020	0.53	0.57	0.16	-8.04	-8.57	-2.45
	8+K	7+K	K1010	0.58	0.58	0.17	-8.80	-8.79	-2.51
	7+K	6+K	K1011	0.58	0.58	0.17	-8.79	-8.79	-2.51
	6+K	5+K	K1010	0.58	0.58	0.17	-8.79	-8.80	-2.51
	5+K	4+K	K1009	0.57	0.53	0.16	-8.57	-8.04	-2.45
9	9+K	8+K	K920	0.67	0.71	0.20	-9.91	-10.46	-3.02
	8+K	7+K	K910	0.72	0.72	0.20	-10.62	-10.61	-3.03
	7+K	6+K	K911	0.72	0.72	0.20	-10.61	-10.61	-3.03
	6+K	5+K	K910	0.72	0.72	0.20	-10.61	-10.62	-3.03
	5+K	4+K	K909	0.71	0.67	0.20	-10.46	-9.91	-3.02
8	9+K	8+K	K820	0.78	0.82	0.24	-11.36	-11.89	-3.45
	8+K	7+K	K810	0.82	0.82	0.23	-11.98	-11.97	-3.42
	7+K	6+K	K811	0.82	0.82	0.23	-11.97	-11.97	-3.42
	6+K	5+K	K810	0.82	0.82	0.23	-11.97	-11.98	-3.42
	5+K	4+K	K809	0.82	0.78	0.24	-11.89	-11.36	-3.44
7	9+K	8+K	K720	0.87	0.92	0.27	-12.78	-13.39	-3.88
	8+K	7+K	K710	0.92	0.92	0.26	-13.50	-13.50	-3.86
	7+K	6+K	K711	0.92	0.92	0.26	-13.50	-13.50	-3.86
	6+K	5+K	K710	0.92	0.92	0.26	-13.50	-13.50	-3.86
	5+K	4+K	K709	0.92	0.87	0.27	-13.40	-12.78	-3.88
6	9+K	8+K	K620	0.97	1.02	0.30	-14.00	-14.69	-4.25
	8+K	7+K	K610	1.03	1.03	0.29	-14.84	-14.85	-4.24
	7+K	6+K	K611	1.03	1.03	0.29	-14.85	-14.85	-4.24
	6+K	5+K	K610	1.03	1.03	0.29	-14.85	-14.85	-4.24
	5+K	4+K	K609	1.02	0.97	0.30	-14.68	-13.98	-4.25
5	9+K	8+K	K520	1.05	1.15	0.33	-14.86	-16.21	-4.60
	8+K	7+K	K510	1.21	1.21	0.34	-16.90	-16.86	-4.62
	7+K	6+K	K511	1.20	1.20	0.34	-16.83	-16.83	-4.61
	6+K	5+K	K510	1.21	1.21	0.34	-16.86	-16.89	-4.62
	5+K	4+K	K509	1.16	1.06	0.33	-16.26	-14.97	-4.63
4	9+K	8+K	K420	1.31	1.24	0.38	-17.95	-17.31	-5.22
	8+K	7+K	K410	1.14	1.15	0.33	-16.13	-16.20	-4.62
	7+K	6+K	K411	1.15	1.15	0.33	-16.27	-16.27	-4.65
	6+K	5+K	K410	1.15	1.14	0.33	-16.21	-16.16	-4.62
	5+K	4+K	K409	1.22	1.25	0.37	-17.05	-17.39	-5.10
3	9+K	8+K	K320	1.13	1.83	0.44	-16.43	-24.94	-6.15
	8+K	7+K	K310	2.43	2.42	0.69	-31.99	-31.85	-9.12
	7+K	6+K	K311	2.41	2.41	0.69	-31.71	-31.71	-9.06
	6+K	5+K	K310	2.41	2.42	0.69	-31.83	-31.94	-9.11
	5+K	4+K	K309	1.97	1.41	0.50	-26.32	-19.26	-6.78
1	9+K	8+K	K120	2.30	1.84	0.62	-24.42	-19.65	-6.55
	8+K	7+K	K110	1.35	1.37	0.39	-14.59	-14.89	-4.21
	7+K	6+K	K111	0.55	0.55	0.16	-5.97	-5.96	-1.70
	6+K	5+K	K110	1.38	1.37	0.39	-14.99	-14.80	-4.26
	5+K	4+K	K109	1.35	1.29	0.39	-14.70	-14.19	-4.30

E1 AKSI KIRIS MOMENTLERI

KAT NO	I	J	ADI	MIX	MJX	TX	MIY	MJY	TY
2	6+M	5+L	K210	16.41	15.54	3.23	-1.38	-14.06	-1.56

E2 AKSI KIRIS MOMENTLERI

KAT NO	I	J	ADI	MIX	MJX	TX	MIY	MJY	TY
2	7+M	8+L	K210A	12.88	11.02	2.41	0.17	8.99	0.32

13. KAT KOLON VE PERDE MOMENTLERİ

TYT	NO.		MXX(UST)	MXX(ALT)	TXX	MXV(UST)	MXV(ALT)	TXV	MYX(UST)	MYX(ALT)	TYX	MYV(UST)	MYV(ALT)
1	4	N	1.99	1.16	1.05	-0.41	-0.25	-0.22	-0.13	-0.08	-0.07	1.91	1.11
1.00													
2	4	N	2.41	-0.60	0.60	0.00	0.00	0.00	-0.08	-0.05	-0.04	3.08	2.01
1.70													
3	4	L	2.41	-0.60	0.60	-0.50	0.08	-0.14	-0.08	-0.05	-0.04	3.08	2.01
1.70													
4	4	K	1.99	1.16	1.05	-0.41	-0.25	-0.22	-0.13	-0.08	-0.07	1.91	1.11
1.00													
8	5	N	3.42	2.32	1.91	-0.44	-0.31	-0.25	0.00	0.00	0.00	4.37	1.24
1.87													
9	5	M	7.78	3.22	3.67	-1.01	-0.45	-0.48	-0.19	-0.08	-0.09	7.55	3.16
3.57													
10	5	L	7.78	3.22	3.67	-1.01	-0.45	-0.48	-0.19	-0.08	-0.09	7.55	3.16
3.57													
11	5	K	3.42	2.32	1.91	-0.44	-0.31	-0.25	-0.30	-0.09	-0.13	4.37	1.24
1.87													
12	6	N	3.24	2.20	1.81	-0.15	-0.10	-0.08	-0.31	-0.10	-0.13	4.47	1.30
1.92													
13	6	N	7.70	3.35	3.68	-0.35	-0.16	-0.17	-0.20	-0.09	-0.10	8.02	3.59
3.87													
14	6	L	7.70	3.35	3.68	-0.35	-0.16	-0.17	-0.20	-0.09	-0.10	8.02	3.59
3.87													
15	6	K	3.24	2.20	1.81	-0.15	-0.10	-0.08	-0.31	-0.10	-0.13	4.47	1.30
1.92													
16	7	N	3.24	2.20	1.81	-0.15	-0.10	-0.08	-0.31	-0.10	-0.13	4.47	1.30
1.92													
17	7	M	7.70	3.35	3.68	-0.35	-0.16	-0.17	-0.20	-0.09	-0.10	8.02	3.59
3.87													
18	7	L	7.70	3.35	3.68	-0.35	-0.16	-0.17	-0.20	-0.09	-0.10	8.02	3.59
3.87													
19	7	K	3.24	2.20	1.81	-0.15	-0.10	-0.08	-0.31	-0.10	-0.13	4.47	1.30
1.92													
20	8	N	3.42	2.32	1.91	-0.44	-0.31	-0.25	-0.30	-0.09	-0.13	4.37	1.24
1.87													
21	8	M	7.78	3.22	3.67	-1.01	-0.45	-0.48	-0.19	-0.08	-0.09	7.55	3.16
3.57													
22	8	L	7.78	3.22	3.67	-1.01	-0.45	-0.48	-0.19	-0.08	-0.09	7.55	3.16
3.57													
23	8	K	3.42	2.32	1.91	-0.44	-0.31	-0.25	0.00	0.00	0.00	4.37	1.24
1.87													
27	9	N	1.99	1.16	1.05	-0.41	-0.25	-0.22	-0.13	-0.08	-0.07	1.91	1.11
1.00													
28	9	M	2.41	-0.60	0.60	0.00	0.00	0.00	-0.08	-0.05	-0.04	3.08	2.01
1.70													
29	9	L	2.41	-0.60	0.60	-0.50	0.08	-0.14	-0.08	-0.05	-0.04	3.08	2.01
1.70													
30	9	K	1.99	1.16	1.05	-0.41	-0.25	-0.22	-0.13	-0.08	-0.07	1.91	1.11
1.00													

12. KAT KOLON VE PERDE MOMENTLERİ

NO.	MXX(UST)	MXX(ALT)	TXX	MXV(UST)	MXV(ALT)	TXV	MYX(UST)	MYX(ALT)	TYX	MYV(UST)	MYV(ALT)
-----	----------	----------	-----	----------	----------	-----	----------	----------	-----	----------	----------

TYT

1	4	N	3.06	2.37	1.81	-0.60	-0.47	-0.36	-0.20	-0.15	-0.12	2.98	2.26
1.75													
2	4	M	5.20	1.11	2.10	0.00	0.00	0.00	-0.12	-0.09	-0.07	4.82	3.83
2.89													
3	4	L	5.20	1.11	2.10	-1.01	-0.24	-0.42	-0.12	-0.09	-0.07	4.82	3.83
2.89													
4	4	K	3.06	2.37	1.81	-0.60	-0.47	-0.36	-0.20	-0.15	-0.12	2.98	2.26
1.75													
8	5	N	5.40	4.47	3.29	-0.67	-0.56	-0.41	0.00	0.00	0.00	7.52	4.14
3.89													
9	5	M	13.01	8.17	7.06	-1.60	-1.03	-0.88	-0.30	-0.19	-0.17	12.54	7.93
6.82													
10	5	L	13.01	8.17	7.06	-1.60	-1.03	-0.88	-0.30	-0.19	-0.17	12.54	7.93
6.82													
11	5	K	5.40	4.47	3.29	-0.67	-0.56	-0.41	-0.50	-0.28	-0.26	7.52	4.14
3.89													
12	6	N	5.13	4.23	3.12	-0.22	-0.19	-0.14	-0.50	-0.28	-0.26	7.56	4.19
3.92													
13	6	M	12.85	8.36	7.07	-0.55	-0.37	-0.31	-0.32	-0.21	-0.18	13.09	8.64
7.24													
14	6	L	12.85	8.36	7.07	-0.55	-0.37	-0.31	-0.32	-0.21	-0.18	13.09	8.64
7.24													
15	6	K	5.13	4.23	3.12	-0.22	-0.19	-0.14	-0.50	-0.28	-0.26	7.56	4.19
3.92													
16	7	N	5.13	4.23	3.12	-0.22	-0.19	-0.14	-0.50	-0.28	-0.26	7.56	4.19
3.92													
17	7	M	12.85	8.36	7.07	-0.55	-0.37	-0.31	-0.32	-0.21	-0.18	13.09	8.64
7.24													
18	7	L	12.85	8.36	7.07	-0.55	-0.37	-0.31	-0.32	-0.21	-0.18	13.09	8.64
7.24													
19	7	K	5.13	4.23	3.12	-0.22	-0.19	-0.14	-0.50	-0.28	-0.26	7.56	4.19
3.92													
20	8	N	5.40	4.47	3.29	-0.67	-0.56	-0.41	-0.50	-0.28	-0.26	7.52	4.14
3.89													
21	8	M	13.01	8.17	7.06	-1.60	-1.03	-0.88	-0.30	-0.19	-0.17	12.54	7.93
6.82													
22	8	L	13.01	8.17	7.06	-1.60	-1.03	-0.88	-0.30	-0.19	-0.17	12.54	7.93
6.82													
23	8	K	5.40	4.47	3.29	-0.67	-0.56	-0.41	0.00	0.00	0.00	7.52	4.14
3.89													
27	9	N	3.06	2.37	1.81	-0.60	-0.47	-0.36	-0.20	-0.15	-0.12	2.98	2.26
1.75													
28	9	M	5.20	1.11	2.10	0.00	0.00	0.00	-0.12	-0.09	-0.07	4.82	3.83
2.89													
29	9	L	5.20	1.11	2.10	-1.01	-0.24	-0.42	-0.12	-0.09	-0.07	4.82	3.83
2.89													
30	9	K	3.06	2.37	1.81	-0.60	-0.47	-0.36	-0.20	-0.15	-0.12	2.98	2.26
1.75													

11. KAT KOLON VE PERDE MOMENTLERİ

TYT	NO.		MX(X) (ÜST)	MX(X) (ALT)	TX(X)	MX(Y) (ÜST)	MX(Y) (ALT)	TX(Y)	MY(X) (ÜST)	MY(X) (ALT)	TX(X)	MY(Y) (ÜST)	MY(Y) (ALT)
1	4	N	4.07	3.41	2.49	-0.79	-0.67	-0.48	-0.26	-0.22	-0.16	3.94	3.31
2.42													
2	4	M	6.07	3.58	3.22	0.00	0.00	0.00	-0.16	-0.15	-0.10	6.62	6.03
4.22													
3	4	L	6.07	3.58	3.22	-1.16	-0.73	-0.63	-0.16	-0.15	-0.10	6.62	6.03
4.22													
4	4	K	4.07	3.41	2.49	-0.79	-0.67	-0.48	-0.26	-0.22	-0.16	3.94	3.31
2.42													
8	5	N	7.26	6.42	4.56	-0.88	-0.79	-0.56	0.00	0.00	0.00	9.24	6.32

5.19	9	5	M	16.73	12.96	9.90	-2.02	-1.61	-1.21	-0.39	-0.30	-0.23	16.12	12.47
9.53	10	5	L	16.73	12.96	9.90	-2.02	-1.61	-1.21	-0.39	-0.30	-0.23	16.12	12.47
9.53	11	5	K	7.26	6.42	4.56	-0.88	-0.79	-0.56	-0.61	-0.43	-0.35	9.24	6.32
5.19	12	6	N	6.90	6.12	4.34	-0.29	-0.26	-0.18	-0.62	-0.43	-0.35	9.33	6.42
5.25	13	6	M	16.41	12.54	9.65	-0.69	-0.54	-0.41	-0.40	-0.31	-0.24	16.79	12.93
9.91	14	6	L	16.41	12.54	9.65	-0.69	-0.54	-0.41	-0.40	-0.31	-0.24	16.79	12.93
9.91	15	6	K	6.90	6.12	4.34	-0.29	-0.26	-0.18	-0.62	-0.43	-0.35	9.33	6.42
5.25	16	7	N	6.90	6.12	4.34	-0.29	-0.26	-0.18	-0.62	-0.43	-0.35	9.33	6.42
5.25	17	7	M	16.41	12.54	9.65	-0.69	-0.54	-0.41	-0.40	-0.31	-0.24	16.79	12.93
9.91	18	7	L	16.41	12.54	9.65	-0.69	-0.54	-0.41	-0.40	-0.31	-0.24	16.79	12.93
9.91	19	7	K	6.90	6.12	4.34	-0.29	-0.26	-0.18	-0.62	-0.43	-0.35	9.34	6.42
5.25	20	8	N	7.26	6.42	4.56	-0.88	-0.79	-0.56	-0.61	-0.43	-0.35	9.24	6.32
5.19	21	8	M	16.73	12.96	9.90	-2.02	-1.61	-1.21	-0.39	-0.30	-0.23	16.12	12.47
9.53	22	8	L	16.73	12.96	9.90	-2.02	-1.61	-1.21	-0.39	-0.30	-0.23	16.12	12.47
9.53	23	8	K	7.26	6.42	4.56	-0.88	-0.79	-0.56	0.00	0.00	0.00	9.24	6.32
5.19	27	9	N	4.07	3.41	2.49	-0.79	-0.67	-0.48	-0.26	-0.22	-0.16	3.94	3.31
2.42	28	9	M	6.07	3.58	3.22	0.00	0.00	0.00	-0.16	-0.15	-0.10	6.62	6.03
4.22	29	9	L	6.07	3.58	3.22	-1.16	-0.73	-0.63	-0.16	-0.15	-0.10	6.62	6.03
4.22	30	9	K	4.07	3.41	2.49	-0.79	-0.67	-0.48	-0.26	-0.22	-0.16	3.94	3.31
2.42														

10. KAT KOLON VE PERDE MOMENTLERİ

TYT	NO.		MX(ÜST)	MX(ALT)	TX	MY(ÜST)	MY(ALT)	TY	MX(ÜST)	MX(ALT)	TY	MY(ÜST)	MY(ALT)
1	4	N	4.82	4.11	2.98	-0.91	-0.77	-0.56	-0.31	-0.26	-0.19	4.73	4.06
2.93	2	M	9.07	6.56	5.21	0.00	0.00	0.00	-0.20	-0.18	-0.13	8.44	7.51
5.31	3	L	9.07	6.56	5.21	-1.69	-1.19	-0.96	-0.20	-0.18	-0.13	8.44	7.51
5.31	4	K	4.82	4.11	2.98	-0.91	-0.77	-0.56	-0.31	-0.26	-0.19	4.73	4.06
2.93	8	N	8.70	7.66	5.45	-1.03	-0.90	-0.64	0.00	0.00	0.00	11.06	8.46
6.51	9	M	20.69	16.58	12.42	-2.43	-1.93	-1.45	-0.47	-0.37	-0.28	19.81	15.98
11.93	10	L	20.69	16.58	12.43	-2.43	-1.93	-1.45	-0.47	-0.37	-0.28	19.81	15.98
11.93	11	K	8.70	7.66	5.45	-1.03	-0.90	-0.64	-0.72	-0.53	-0.42	11.06	8.46
6.51	12	N	8.31	7.33	5.21	-0.34	-0.30	-0.22	-0.73	-0.54	-0.42	11.16	8.54
6.56	13	M	19.62	15.66	11.76	-0.81	-0.64	-0.48	-0.47	-0.37	-0.28	19.98	16.07
12.02													

[illegible]

TYT	NO.		RXX(GST)	RXX(ALT)	TXX	RXY(GST)	RXY(ALT)	TXY	RXX(GST)	RXX(ALT)	TXX	RYY(GST)	RYY(ALT)
1	4	N	6.03	5.21	3.75	-1.18	-1.01	-0.73	-0.41	-0.34	-0.25	5.84	5.01
3.62													
2	4	M	8.66	3.73	4.13	0.00	0.00	0.00	-0.27	-0.22	-0.16	10.66	8.89
6.52													
3	4	L	8.66	3.73	4.13	-1.73	-0.75	-0.82	-0.27	-0.22	-0.16	10.66	8.89
6.52													
4	4	K	6.03	5.21	3.75	-1.18	-1.01	-0.73	-0.41	-0.34	-0.25	5.84	5.01
3.62													
8	5	N	11.56	10.20	7.25	-1.41	-1.25	-0.89	0.00	0.00	0.00	12.62	9.38
7.33													
9	5	M	25.27	18.90	14.72	-3.11	-2.32	-1.81	-0.61	-0.45	-0.35	23.89	18.20
14.03													
10	5	L	25.27	18.90	14.72	-3.11	-2.32	-1.81	-0.61	-0.45	-0.35	23.89	18.19
14.03													
11	5	K	11.56	10.20	7.25	-1.41	-1.25	-0.89	-0.89	-0.64	-0.51	12.62	9.39
7.34													
12	6	N	11.00	9.69	6.90	-0.47	-0.41	-0.29	-0.90	-0.64	-0.51	12.68	9.42
7.37													
13	6	M	24.36	19.00	14.45	-1.05	-0.82	-0.62	-0.62	-0.48	-0.37	24.47	19.35
14.61													
14	6	L	24.36	19.00	14.45	-1.05	-0.82	-0.62	-0.62	-0.48	-0.37	24.47	19.35
14.61													
15	6	K	11.00	9.69	6.90	-0.47	-0.41	-0.29	-0.90	-0.64	-0.51	12.69	9.43
7.37													
16	7	N	11.00	9.69	6.90	-0.47	-0.41	-0.29	-0.90	-0.64	-0.51	12.68	9.42
7.37													
17	7	M	24.36	19.00	14.45	-1.05	-0.82	-0.62	-0.62	-0.48	-0.37	24.47	19.35
14.61													
18	7	L	24.36	19.00	14.45	-1.05	-0.82	-0.62	-0.62	-0.48	-0.37	24.47	19.35
			11.00	9.69	6.90	-0.47	-0.41	-0.29	-0.90	-0.64	-0.51	12.69	9.43

7.37														
20	8	N	11.56	10.20	7.25	-1.41	-1.24	-0.88	-0.89	-0.64	-0.51	12.62	9.38	
7.33														
21	8	M	25.27	18.90	14.72	-3.11	-2.33	-1.81	-0.61	-0.45	-0.35	23.89	18.20	
14.03														
22	8	L	25.27	18.90	14.72	-3.11	-2.33	-1.81	-0.61	-0.45	-0.35	23.89	18.19	
14.03														
23	8	K	11.56	10.20	7.25	-1.41	-1.24	-0.88	0.00	0.00	0.00	12.62	9.39	
7.34														
27	9	N	6.03	5.21	3.75	-1.17	-1.01	-0.73	-0.41	-0.34	-0.25	5.84	5.01	
3.62														
28	9	M	8.66	3.73	4.13	0.00	0.00	0.00	-0.27	-0.22	-0.16	10.68	8.89	
6.52														
29	9	L	8.66	3.73	4.13	-1.72	-0.76	-0.83	-0.27	-0.22	-0.16	10.68	8.89	
6.52														
30	9	K	6.03	5.21	3.75	-1.17	-1.01	-0.73	-0.41	-0.34	-0.25	5.84	5.01	
3.62														

8. KAT KOLON VE PERDE MOMENTLERİ

	NO.		KXX(UST)	KXX(ALT)	TXX	MXU(UST)	MXU(ALT)	TXU	MYX(UST)	MYX(ALT)	TYX	MYU(UST)	MYU(ALT)
TYU													
1	4	N	6.63	5.79	4.14	-1.27	-1.12	-0.80	-0.44	-0.39	-0.27	6.34	5.59
3.98													
2	4	K	9.04	6.58	5.21	0.00	0.00	0.00	-0.27	-0.26	-0.18	10.92	10.44
7.12													
3	4	L	9.04	6.59	5.21	-1.71	-1.33	-1.02	-0.27	-0.26	-0.18	10.93	10.43
7.12													
4	4	K	6.63	5.79	4.14	-1.27	-1.12	-0.80	-0.44	-0.39	-0.27	6.35	5.60
3.98													
5	5	N	12.47	11.36	7.94	-1.50	-1.38	-0.96	0.00	0.00	0.00	14.48	10.88
8.45													
9	5	M	27.54	23.15	16.90	-3.30	-2.84	-2.05	-0.65	-0.55	-0.40	26.02	21.89
15.97													
10	5	L	27.55	23.17	16.91	-3.30	-2.85	-2.05	-0.65	-0.55	-0.40	26.04	21.89
15.98													
11	5	K	12.47	11.36	7.94	-1.50	-1.37	-0.96	-1.00	-0.76	-0.58	14.48	10.82
8.43													
12	6	N	11.85	10.82	7.56	-0.50	-0.46	-0.32	-1.00	-0.77	-0.59	14.52	10.94
8.49													
13	6	M	27.30	22.45	16.58	-1.15	-0.97	-0.70	-0.67	-0.57	-0.41	27.18	22.46
16.55													
14	6	L	27.30	22.47	16.59	-1.15	-0.97	-0.70	-0.68	-0.57	-0.41	27.19	22.47
16.55													
15	6	K	11.85	10.81	7.55	-0.50	-0.46	-0.32	-1.00	-0.76	-0.59	14.52	10.89
8.47													
16	7	N	11.85	10.82	7.56	-0.50	-0.46	-0.32	-1.00	-0.77	-0.59	14.52	10.94
8.49													
17	7	M	27.30	22.46	16.58	-1.14	-0.96	-0.70	-0.67	-0.57	-0.41	27.18	22.46
16.55													
18	7	L	27.30	22.47	16.59	-1.14	-0.96	-0.70	-0.68	-0.57	-0.41	27.19	22.47
16.55													
19	7	K	11.85	10.81	7.55	-0.50	-0.46	-0.32	-1.00	-0.76	-0.59	14.52	10.89
8.47													
20	8	N	12.47	11.36	7.94	-1.49	-1.38	-0.96	-1.00	-0.76	-0.59	14.48	10.88
8.45													
21	8	M	27.54	23.15	16.90	-3.28	-2.85	-2.04	-0.65	-0.55	-0.40	26.02	21.89
15.97													
22	8	L	27.54	23.17	16.90	-3.28	-2.85	-2.04	-0.65	-0.55	-0.40	26.04	21.89
15.98													
23	8	K	12.47	11.36	7.94	-1.49	-1.38	-0.96	0.00	0.00	0.00	14.48	10.82
8.43													
27	9	N	6.63	5.79	4.14	-1.26	-1.12	-0.79	-0.44	-0.39	-0.27	6.34	5.59
3.98													

28	9	M	9.03	6.58	5.21	0.00	0.00	0.00	-0.27	-0.26	-0.18	10.92	10.44
7.12													
29	9	L	9.03	6.58	5.21	-1.69	-1.34	-1.01	-0.27	-0.26	-0.18	10.93	10.43
7.12													
30	9	K	6.64	5.80	4.14	-1.26	-1.12	-0.79	-0.44	-0.39	-0.27	6.35	5.61
3.99													

7. KAT KOLON VE PERDE MOMENTLERİ

TYT	NO.		MX(ÜST)	MX(ALT)	TX	MY(ÜST)	MY(ALT)	TY	MX(ÜST)	MX(ALT)	TY	MY(ÜST)	MY(ALT)
1	4	M	7.41	6.80	4.74	-1.40	-1.27	-0.89	-0.48	-0.44	-0.31	7.18	6.61
4.60													
2	4	M	12.99	9.25	7.41	0.00	0.00	0.00	-0.33	-0.30	-0.21	13.40	12.50
8.63													
3	4	L	12.98	9.22	7.40	-2.39	-1.54	-1.31	-0.33	-0.30	-0.21	13.41	12.51
8.64													
4	4	K	7.40	6.78	4.73	-1.39	-1.26	-0.89	-0.49	-0.44	-0.31	7.18	6.57
4.58													
8	5	M	14.01	13.06	9.02	-1.66	-1.53	-1.06	0.00	0.00	0.00	15.98	12.78
5.59													
9	5	M	31.16	24.26	18.47	-3.65	-2.72	-2.12	-0.71	-0.55	-0.42	29.38	23.25
17.55													
10	5	L	31.13	24.19	18.44	-3.64	-2.69	-2.11	-0.72	-0.52	-0.41	29.39	23.15
17.51													
11	5	K	14.00	13.06	9.02	-1.66	-1.54	-1.07	-1.08	-0.83	-0.64	16.08	12.89
9.66													
12	6	M	13.36	12.45	8.60	-0.55	-0.51	-0.35	-1.07	-0.82	-0.63	16.01	12.76
9.59													
13	6	M	29.39	22.75	17.38	-1.20	-0.88	-0.69	-0.71	-0.55	-0.42	29.36	23.22
17.53													
14	6	L	29.38	22.71	17.36	-1.20	-0.88	-0.69	-0.72	-0.52	-0.41	29.37	23.11
17.49													
15	6	K	13.38	12.49	8.62	-0.56	-0.51	-0.36	-1.08	-0.82	-0.64	16.11	12.86
9.66													
16	7	M	13.36	12.45	8.60	-0.54	-0.51	-0.35	-1.07	-0.82	-0.63	16.01	12.76
9.59													
17	7	M	29.38	22.76	17.38	-1.19	-0.93	-0.71	-0.71	-0.55	-0.42	29.36	23.22
17.53													
18	7	L	29.37	22.72	17.36	-1.19	-0.94	-0.71	-0.72	-0.52	-0.41	29.37	23.11
17.49													
19	7	K	13.37	12.48	8.62	-0.54	-0.51	-0.35	-1.08	-0.82	-0.64	16.11	12.86
9.66													
20	8	M	14.00	13.06	9.02	-1.63	-1.52	-1.05	-1.07	-0.82	-0.63	15.98	12.78
9.59													
21	8	M	31.15	24.28	18.48	-3.60	-2.84	-2.15	-0.71	-0.55	-0.42	29.38	23.25
17.55													
22	8	L	31.12	24.21	18.44	-3.60	-2.85	-2.15	-0.72	-0.52	-0.41	29.39	23.15
17.51													
23	8	K	14.00	13.06	9.02	-1.63	-1.52	-1.05	0.00	0.00	0.00	16.08	12.91
9.66													
27	9	M	7.41	6.80	4.74	-1.37	-1.27	-0.88	-0.48	-0.44	-0.31	7.18	6.61
4.60													
28	9	M	12.98	9.28	7.42	0.00	0.00	0.00	-0.33	-0.30	-0.21	13.40	12.50
8.63													
29	9	L	12.98	9.27	7.42	-2.36	-1.73	-1.36	-0.33	-0.30	-0.21	13.41	12.51
8.64													
30	9	K	7.39	6.75	4.71	-1.37	-1.28	-0.88	-0.49	-0.43	-0.31	7.17	6.53
4.57													

6. KAT KOLON VE PERDE MOMENTLERİ

NO.	MX(ÜST)	MX(ALT)	TX	MY(ÜST)	MY(ALT)	TY	MX(ÜST)	MX(ALT)	TY	MY(ÜST)	MY(ALT)
-----	---------	---------	----	---------	---------	----	---------	---------	----	---------	---------

TYT

1	4	N	7.66	7.10	4.92	-1.52	-1.38	-0.97	-0.52	-0.49	-0.34	7.30	7.00
4.76													
2	4	M	12.37	5.07	5.81	0.00	0.00	0.00	-0.35	-0.31	-0.22	13.99	12.34
8.78													
3	4	L	12.42	5.22	5.88	-2.64	-1.31	-1.32	-0.37	-0.31	-0.23	14.04	12.34
8.79													
4	4	K	7.69	7.19	4.96	-1.53	-1.41	-0.98	-0.53	-0.51	-0.35	7.41	7.17
4.86													
8	5	N	15.20	13.32	9.51	-1.89	-1.65	-1.18	0.00	0.00	0.00	16.69	10.67
9.12													
9	5	M	37.51	27.08	21.53	-4.79	-3.49	-2.76	-0.89	-0.68	-0.52	34.69	26.94
20.54													
10	5	L	37.61	27.48	21.70	-4.81	-3.60	-2.80	-0.95	-0.69	-0.55	34.94	27.16
20.70													
11	5	K	15.22	13.36	9.52	-1.89	-1.62	-1.17	-1.23	-0.62	-0.62	16.64	9.58
8.74													
12	6	N	14.54	12.86	9.13	-0.64	-0.57	-0.40	-1.22	-0.80	-0.67	16.91	11.21
9.37													
13	6	M	36.29	27.61	21.37	-1.63	-1.27	-0.97	-0.91	-0.73	-0.55	35.66	28.96
21.54													
14	6	L	36.33	28.02	21.45	-1.64	-1.30	-0.98	-0.98	-0.76	-0.58	35.93	29.26
21.73													
15	6	K	14.47	12.64	9.04	-0.63	-0.54	-0.39	-1.24	-0.66	-0.63	16.84	10.11
8.98													
16	7	N	14.53	12.86	9.13	-0.60	-0.55	-0.38	-1.22	-0.80	-0.67	16.91	11.21
9.37													
17	7	M	36.27	27.83	21.37	-1.49	-1.21	-0.90	-0.91	-0.73	-0.55	35.66	28.96
21.54													
18	7	L	36.30	28.02	21.44	-1.49	-1.20	-0.90	-0.98	-0.76	-0.58	35.93	29.26
21.73													
19	7	K	14.46	12.63	9.04	-0.60	-0.56	-0.39	-1.24	-0.66	-0.63	16.84	10.11
8.98													
20	8	N	15.18	13.32	9.50	-1.80	-1.67	-1.16	-1.21	-0.77	-0.66	16.69	10.67
9.12													
21	8	M	37.45	27.09	21.51	-4.41	-3.48	-2.63	-0.89	-0.68	-0.52	34.69	26.94
20.54													
22	8	L	37.55	27.50	21.68	-4.41	-3.44	-2.62	-0.95	-0.69	-0.55	34.94	27.17
20.70													
23	8	K	15.20	13.37	9.52	-1.81	-1.70	-1.17	0.00	0.00	0.00	16.62	9.50
8.71													
27	9	N	7.65	7.10	4.92	-1.43	-1.38	-0.94	-0.52	-0.49	-0.34	7.30	7.00
4.76													
28	9	M	12.33	5.09	5.81	0.00	0.00	0.00	-0.35	-0.31	-0.22	13.99	12.34
8.78													
29	9	L	12.35	5.14	5.83	-2.31	-1.23	-1.18	-0.37	-0.31	-0.23	14.04	12.34
8.79													
30	9	K	7.73	7.34	5.02	-1.42	-1.34	-0.92	-0.54	-0.53	-0.36	7.47	7.35
4.94													

5. KAT KOLON VE PERDE MOMENTLERİ

TYT	NO.		NXX(UST)	NXX(ALT)	TXX	MYX(UST)	MYX(ALT)	TXY	MYX(UST)	MYX(ALT)	TYX	MYX(UST)	MYX(ALT)
1	4	N	8.77	7.49	5.42	-1.71	-1.35	-1.02	-0.54	-0.46	-0.34	7.88	6.32
4.73													
2	4	M	12.17	6.13	6.10	0.00	0.00	0.00	-0.35	-0.34	-0.23	14.26	13.09
9.12													
3	4	L	11.97	5.45	5.81	-2.01	0.72	-0.43	-0.39	-0.33	-0.24	14.38	13.07
9.15													
4	4	K	8.61	7.03	5.21	-1.65	-1.19	-0.95	-0.56	-0.38	-0.31	7.80	5.52
4.44													
8	5	N	18.96	20.44	13.13	-2.28	-2.26	-1.51	0.00	0.00	0.00	21.94	23.25

358

15.07	9	5	M	38.54	25.24	21.26	-4.51	-1.61	-2.04	-0.82	-0.69	-0.50	33.33	19.78
17.70	10	5	L	38.04	23.53	20.52	-4.38	-1.16	-1.85	-0.89	-0.26	-0.38	33.30	17.69
17.00	11	5	K	18.86	20.19	13.02	-2.33	-2.40	-1.58	-1.75	-1.99	-1.25	23.56	26.32
16.63	12	6	N	17.60	18.26	11.95	-0.73	-0.65	-0.46	-1.50	-1.70	-1.06	21.83	22.16
14.66	13	6	M	37.55	22.17	19.91	-1.52	-0.30	-0.61	-0.86	-0.70	-0.52	34.84	19.72
18.19	14	6	L	37.39	21.46	19.62	-1.50	-0.22	-0.57	-0.91	-0.21	-0.38	34.68	17.26
17.31	15	6	K	17.98	19.37	12.45	-0.79	-0.82	-0.53	-1.75	-1.92	-1.22	23.58	25.50
16.36	16	7	N	17.58	18.27	11.95	-0.66	-0.72	-0.46	-1.50	-1.70	-1.06	21.83	22.16
14.66	17	7	M	37.50	22.26	19.92	-1.42	-1.30	-0.90	-0.86	-0.70	-0.52	34.84	19.72
18.19	18	7	L	37.35	21.64	19.67	-1.42	-1.32	-0.92	-0.91	-0.21	-0.38	34.69	17.26
17.32	19	7	K	17.95	19.35	12.43	-0.64	-0.66	-0.44	-1.75	-1.92	-1.22	23.58	25.50
16.36	20	8	N	18.90	20.42	13.11	-1.97	-2.12	-1.36	-1.50	-1.76	-1.09	21.94	23.25
15.07	21	8	M	38.43	25.60	21.34	-4.01	-3.79	-2.60	-0.82	-0.69	-0.50	33.33	19.78
17.70	22	8	L	37.93	23.89	20.61	-4.04	-3.92	-2.65	-0.89	-0.26	-0.38	33.28	17.65
16.98	23	8	K	18.79	20.14	12.98	-1.92	-1.97	-1.30	0.00	0.00	0.00	23.60	26.54
16.72	27	9	N	8.73	7.50	5.41	-1.50	-1.42	-0.97	-0.54	-0.46	-0.34	7.68	6.32
4.73	28	9	M	12.11	6.53	6.21	0.00	0.00	0.00	-0.35	-0.34	-0.23	14.26	13.09
9.12	29	9	L	11.97	6.16	6.04	-1.92	-2.16	-1.36	-0.39	-0.33	-0.24	14.38	13.07
9.15	30	9	K	8.32	6.29	4.87	-1.56	-1.59	-1.05	-0.53	-0.29	-0.27	7.51	4.65
4.05														

4. KAT KOLON VE PERDE MOMENTLERİ

TYT	NO.		NOX(UST)	NOX(ALT)	TX	NOY(UST)	NOY(ALT)	TX	NOY(UST)	NOY(ALT)	TX	NOY(UST)	NOY(ALT)
1	4	N	10.51	9.39	6.63	-2.42	-2.22	-1.55	-0.64	-0.75	-0.46	10.27	11.56
7.27	2	M	20.87	10.01	10.29	0.00	0.00	0.00	-0.42	-0.47	-0.30	20.13	20.65
13.59	3	L	21.78	12.98	11.59	-6.54	-7.04	-4.53	-0.61	-0.57	-0.39	20.73	20.96
13.90	4	K	11.31	11.74	7.68	-2.70	-3.04	-1.91	-0.88	-1.13	-0.67	11.87	15.00
8.96	5	N	11.33	-8.61	0.91	-2.07	-0.12	-0.73	0.00	0.00	0.00	9.72	-29.65
-6.64	9	M	51.31	36.13	29.15	-8.65	-8.15	-5.60	-0.98	-1.20	-0.73	53.18	55.19
36.12	10	L	53.48	43.39	32.29	-9.14	-9.92	-6.35	-1.84	-1.89	-1.24	56.82	60.57
39.13	11	K	11.91	-7.04	1.62	-1.85	0.55	-0.43	-0.37	4.03	1.22	6.89	-47.34
13.48	12	N	13.16	-1.53	3.88	-0.91	-0.60	-0.50	-0.47	1.75	0.43	10.59	-25.83
-5.08	13	M	52.11	45.30	32.47	-3.28	-3.74	-2.34	-1.00	-1.26	-0.75	54.73	59.94
38.22													

14	6	L	52.52	47.38	33.30	-3.32	-3.98	-2.43	-1.95	-2.22	-1.39	58.96	67.11
42.02													
15	6	K	11.20	-7.31	1.30	-0.62	0.25	-0.12	-0.38	3.89	1.17	6.98	-45.52
12.85													
16	7	N	13.08	-1.62	3.82	-0.42	-0.11	-0.18	-0.47	1.75	0.43	10.59	-25.83
-5.08													
17	7	N	51.86	45.28	32.38	-1.36	-1.76	-1.04	-1.00	-1.26	-0.75	54.73	59.94
38.22													
18	7	L	52.18	47.00	33.06	-1.35	-1.69	-1.01	-1.95	-2.22	-1.39	58.96	67.10
42.02													
19	7	K	11.17	-7.24	1.31	-0.53	-0.41	-0.31	-0.38	3.88	1.17	6.97	-45.51
12.85													
20	8	N	11.19	-8.60	0.86	-1.33	-0.56	-0.63	-0.43	1.97	0.51	9.72	-29.65
-6.64													
21	8	N	50.53	35.62	28.72	-4.15	-5.73	-3.29	-0.98	-1.20	-0.73	53.18	55.19
36.12													
22	8	L	52.72	42.91	31.87	-4.05	-5.30	-3.12	-1.84	-1.90	-1.25	56.89	60.78
39.22													
23	8	K	11.82	-6.88	1.65	-1.59	-1.32	-0.97	0.00	0.00	0.00	6.90	-47.73
13.61													
27	9	N	10.35	9.30	6.55	-1.53	-1.90	-1.14	-0.64	-0.75	-0.46	10.27	11.56
7.27													
28	9	N	20.22	9.53	9.92	0.00	0.00	0.00	-0.42	-0.47	-0.30	20.13	20.65
13.59													
29	9	L	21.04	11.76	10.93	-2.16	-2.94	-1.70	-0.61	-0.57	-0.39	20.73	20.95
13.89													
30	9	K	12.35	15.39	9.26	-1.24	-1.03	-0.76	-1.02	-1.56	-0.86	13.30	19.32
10.87													

3. KAT KOLON VE PERDE MOMENTLERİ

NO.	NO.	NO.	NOX(UST)	NOX(ALT)	TXA	NOXY(UST)	NOXY(ALT)	TXY	NOYA(UST)	NOYA(ALT)	TYA	NOYY(UST)	NOYY(ALT)
1	4	N	11.12	10.35	3.58	-1.83	-0.48	-0.38	-0.46	-0.63	-0.18	7.57	9.60
2.86													
2	4	N	21.12	7.81	4.82	0.00	0.00	0.00	-0.20	-0.32	-0.09	11.69	12.87
4.09													
3	4	L	16.97	-4.28	2.11	1.53	18.96	3.42	-0.43	-0.18	-0.10	12.16	11.52
3.95													
4	4	K	7.05	-0.64	1.07	-0.41	3.36	0.49	-0.29	0.57	0.05	4.26	-3.81
0.08													
8	5	N	71.31	40.66	37.32	-7.12	4.34	-0.93	0.00	0.00	0.00	81.25	35.85
39.03													
9	5	N	63.62	47.14	18.46	-3.70	10.00	1.05	-0.29	-1.33	-0.27	15.92	19.15
5.84													
10	5	L	54.23	18.95	12.20	-1.83	16.05	2.37	-0.18	2.90	0.45	11.12	-9.57
0.26													
11	5	K	68.00	30.26	32.75	-8.21	0.50	-2.57	-8.43	-1.76	-3.40	105.60	46.86
50.82													
12	6	N	55.22	-5.25	16.66	-1.36	5.38	1.34	-5.25	-4.29	-3.18	80.31	23.76
34.69													
13	6	N	43.70	-6.45	6.21	0.22	8.21	1.41	-0.26	-1.20	-0.24	11.17	3.61
2.46													
14	6	L	43.48	-9.74	5.62	0.17	8.44	1.44	0.23	4.13	0.73	3.80	-32.53
-4.79													
15	6	K	65.48	29.47	31.65	-2.87	0.26	-0.87	-8.70	-1.89	-3.53	109.05	48.40
52.49													
16	7	N	55.20	-4.11	17.03	-1.46	-3.47	-1.64	-5.25	-4.29	-3.18	80.31	23.76
34.69													
17	7	N	43.46	-5.88	6.26	-0.90	-5.28	-1.03	-0.26	-1.20	-0.24	11.17	3.61
2.46													
18	7	L	43.61	-7.98	5.94	-0.86	-5.29	-1.03	0.23	4.13	0.73	3.80	-32.53
-4.79													
19	7	K	65.20	29.69	31.63	-0.91	-1.61	-0.84	-8.71	-1.90	-3.53	109.07	48.42

52.50													
20	8	N	70.87	42.15	37.67	-3.82	-9.48	-4.43	-5.26	-4.89	-3.38	81.25	35.85
39.03													
21	8	M	63.44	49.84	18.88	-1.86	-14.49	-2.73	-0.29	-1.33	-0.27	15.92	19.15
5.84													
22	8	L	53.95	21.43	12.56	-2.08	-15.51	-2.93	-0.17	2.94	0.46	10.86	-10.36
0.08													
23	8	K	67.27	30.81	32.70	-2.49	-4.94	-2.48	0.00	0.00	0.00	104.67	46.19
50.29													
27	9	N	10.97	10.49	3.58	-0.54	-1.95	-0.41	-0.46	-0.63	-0.18	7.57	9.60
2.86													
28	9	M	21.29	10.90	5.36	0.00	0.00	0.00	-0.20	-0.32	-0.09	11.69	12.87
4.09													
29	9	L	16.75	-0.92	2.64	-1.29	-14.95	-2.71	-0.43	-0.18	-0.10	12.17	11.54
3.95													
30	9	K	0.73	-17.43	-2.78	-2.00	-5.93	-1.32	0.43	2.53	0.49	-2.89	-23.38
-4.38													

2. KAT KOLON VE PERDE MOMENTLERİ

	NO.		MX (ÜST)	MX (ALT)	TX	MY (ÜST)	MY (ALT)	TY	MY (ÜST)	MY (ALT)	TY	MY (ÜST)	MY (ALT)
TY													
1	4	N	13.21	15.24	4.74	-7.75	-8.39	-2.69	-0.31	-0.26	-0.10	9.32	8.84
3.03													
2	4	M	29.99	55.97	14.33	0.00	0.00	0.00	0.06	0.09	0.02	16.63	17.64
5.71													
3	4	L	16.02	40.04	10.68	-23.13	-34.64	-9.63	-1.61	-1.73	-0.56	22.16	24.12
7.71													
4	4	K	0.64	8.02	1.44	-3.36	-5.86	-1.54	-0.57	-1.26	-0.30	3.81	11.28
2.52													
5	5	N	54.79	91.14	48.65	-25.05	-30.27	-18.44	0.00	0.00	0.00	29.83	112.99
47.61													
9	5	M	77.71	112.08	31.63	-37.68	-45.54	-13.87	0.79	1.01	0.30	46.00	60.17
17.70													
10	5	L	43.69	91.03	22.45	-30.09	-40.59	-11.78	-5.40	-7.36	-2.13	56.20	66.61
23.00													
11	5	K	-30.26	2.55	-4.62	-0.50	-5.41	-0.98	1.76	-4.35	-0.43	-46.86	27.24
-3.27													
12	6	N	5.25	70.87	25.37	-5.38	-9.70	-5.03	2.38	-2.65	-0.09	13.89	104.34
39.41													
13	6	M	18.05	84.64	17.11	-9.18	-14.78	-3.99	0.93	1.05	0.33	29.90	54.32
14.04													
14	6	L	9.74	74.36	14.02	-8.44	-13.80	-3.71	-4.13	-6.89	-1.84	32.53	77.89
18.40													
15	6	K	-29.47	2.10	-4.56	-0.26	-1.99	-0.37	1.89	-4.09	-0.37	-48.40	24.35
-4.01													
16	7	N	4.11	69.14	24.42	3.47	3.49	2.32	2.38	-2.65	-0.09	13.89	104.34
39.41													
17	7	M	14.99	81.44	16.07	5.39	7.00	2.07	0.93	1.05	0.33	29.90	54.32
14.04													
18	7	L	7.98	71.77	13.29	5.29	6.86	2.02	-4.13	-6.89	-1.84	32.53	77.88
18.40													
19	7	K	-29.69	1.68	-4.67	1.61	1.42	0.51	1.90	-4.09	-0.37	-48.41	24.31
-4.02													
20	8	N	50.49	86.32	45.60	12.70	12.05	8.25	1.57	-3.08	-0.50	29.83	112.99
47.61													
21	8	M	71.26	104.45	29.29	19.58	23.49	7.18	0.79	1.01	0.30	46.00	60.17
17.70													
22	8	L	37.22	83.71	20.15	18.21	22.57	6.80	-5.35	-7.34	-2.12	55.39	86.31
23.62													
23	8	K	-30.81	1.48	-4.89	4.94	4.51	1.58	0.00	0.00	0.00	-46.19	28.78
-2.90													
27	9	N	11.96	13.91	4.31	3.56	3.87	1.24	-0.31	-0.26	-0.10	9.32	8.84
3.03													

28	9	M	25.08	49.72	12.47	0.00	0.00	0.00	0.06	0.09	0.02	16.63	17.64
5.71													
29	9	L	12.09	42.84	9.15	15.84	20.62	6.08	-1.61	-1.73	-0.56	22.18	24.12
7.72													
30	9	K	17.43	37.42	18.28	5.93	8.67	4.86	-2.53	-4.80	-2.44	23.38	46.95
23.44													

1. KAT KOLON VE PERDE MOMENTLERİ

TYT	NO.		MX(UST)	MX(ALT)	TX	MY(UST)	MY(ALT)	TY	MY(UST)	MY(ALT)	TY	MY(UST)	MY(ALT)
1	4	N	1.50	14.41	5.30	2.47	-2.10	0.12	-0.45	-0.92	-0.46	5.24	13.82
6.35													
2	4	N	-20.18	72.02	17.28	0.00	0.00	0.00	-0.42	-0.63	-0.35	7.55	23.29
10.28													
3	4	L	-22.67	70.78	16.04	25.70	-7.21	6.16	0.30	-0.61	-0.10	4.84	23.06
9.30													
4	4	K	-1.00	13.16	4.05	3.38	-1.65	0.58	-0.02	-1.03	-0.35	2.90	14.11
5.67													
8	5	N	-36.94	5.28	-10.55	15.97	4.30	6.76	0.00	0.00	0.00	-74.87	29.91
14.99													
9	5	N	-28.45	128.52	33.36	25.75	-9.29	5.49	-1.76	-3.39	-1.71	-4.99	114.78
36.60													
10	5	L	-39.21	123.14	27.97	28.82	-7.75	7.02	4.27	-2.42	0.62	-23.65	112.14
29.43													
11	5	K	9.93	28.71	12.68	2.36	-2.51	-0.05	1.64	-5.29	-1.22	2.26	77.24
26.50													
12	6	N	-24.50	10.21	-4.30	5.00	1.13	2.06	1.33	-3.54	-0.74	-75.78	29.45
15.44													
13	6	N	-10.46	130.97	40.17	8.11	-3.80	1.44	-1.81	-3.41	-1.74	0.85	117.70
39.52													
14	6	L	-26.77	122.82	32.02	9.72	-3.00	2.24	3.83	-2.64	0.40	-15.57	116.28
33.57													
15	6	K	9.61	27.47	12.36	0.90	-0.66	0.02	2.15	-5.03	-0.96	-3.40	74.41
23.67													
16	7	N	-23.96	10.53	-4.48	-2.65	-1.81	-1.43	1.33	-3.54	-0.74	-75.78	29.45
15.44													
17	7	N	-8.35	131.11	40.92	-6.46	-6.17	-4.21	-1.81	-3.41	-1.74	0.85	117.70
39.52													
18	7	L	-24.80	122.88	32.70	-6.71	-6.29	-4.33	3.83	-2.64	0.40	-15.58	116.28
33.57													
19	7	K	9.87	27.44	12.44	-1.34	-1.16	-0.83	2.16	-5.03	-0.96	-3.46	74.37
23.64													
20	8	N	-34.22	6.25	-9.32	-8.84	-5.77	-4.87	1.29	-3.56	-0.76	-74.87	29.91
14.99													
21	8	N	-23.60	128.62	35.00	-21.00	-18.60	-13.20	-1.76	-3.39	-1.71	-4.99	114.78
36.60													
22	8	L	-33.54	123.65	30.04	-21.64	-18.92	-13.52	4.25	-2.43	0.61	-23.58	112.28
29.56													
23	8	K	10.57	28.64	13.07	-4.14	-3.42	-2.52	0.00	0.00	0.00	5.47	78.84
28.10													
27	9	N	2.04	14.34	5.46	-3.32	-2.88	-2.07	-0.45	-0.92	-0.46	5.24	13.82
6.35													
28	9	N	-15.66	72.22	18.85	0.00	0.00	0.00	-0.42	-0.63	-0.35	7.55	23.29
10.28													
29	9	L	-16.68	71.71	18.34	-19.57	-17.08	-12.22	0.30	-0.61	-0.10	4.83	23.06
9.30													
30	9	K	-26.56	0.04	-8.84	-7.75	-5.09	-4.28	2.50	0.23	0.91	-22.53	1.40
-7.04													

9T50P516.66H510VK3G18D

BİLSAR A.Ş. MÜHENDİSLİK PROGRAMLARI (0212) 221 29 98 . HER HAKKI SAKLIDIR. SADECE TEM MÜHENDİSLİK LTD. TARAFINDAN KULLANILIR

S.S. KARAKÖY PERŞEMBE PAZARI TUCARLARI TOPLU İŞYERİ YAPI KOOPERATİFİ ELVERİŞSİZ YATAY YÜK KESİT TESİRLERİ

4 AKSI ELVERİŞSİZ KİRİŞ MOMENTLERİ

KAT NO	I	J	ADI	MI	MJ	T
13	4+N	4+M	K1301	2.03	2.46	0.66
	4+L	4+K	K1302	2.46	2.03	0.66
12	4+N	4+M	K1201	4.30	4.69	1.33
	4+L	4+K	K1202	4.69	4.30	1.33
11	4+N	4+M	K1101	6.56	7.31	2.05
	4+L	4+K	K1102	7.31	6.56	2.05
10	4+N	4+M	K1001	8.38	9.13	2.58
	4+M	4+L	K1002	3.76	3.76	1.07
	4+L	4+K	K1001	9.13	8.38	2.58
9	4+N	4+M	K901	10.33	11.04	3.17
	4+M	4+L	K902	4.46	4.46	1.27
	4+L	4+K	K901	11.04	10.33	3.17
8	4+N	4+M	K801	12.06	13.00	3.71
	4+L	4+K	K801A	13.00	12.06	3.71
7	4+N	4+M	K701	13.44	14.23	4.10
	4+M	4+L	K702	5.69	5.69	1.65
	4+L	4+K	K701	14.23	13.44	4.10
6	4+N	4+M	K601	14.73	15.70	4.51
	4+M	4+L	K602	6.32	6.33	1.81
	4+L	4+K	K601	15.70	14.73	4.51
5	4+N	4+M	K501	16.17	17.56	5.00
	4+L	4+K	K501A	17.51	16.10	4.98
4	4+N	4+M	K401	18.39	19.65	5.64
	4+M	4+L	K402	7.94	7.96	2.27
	4+L	4+K	K401	19.65	18.39	5.72
3	4+N	4+M	K301	20.91	22.59	6.47
	4+M	4+L	K302	9.10	9.03	2.59
	4+L	4+K	K301	21.42	19.11	6.03
2	4+N	4+M	K201	24.96	28.00	7.87
	4+M	4+L	K202	12.09	12.45	3.51
1	4+N	4+M	K101	17.75	18.80	5.43
	4+M	4+L	K102	19.14	19.23	5.48
	4+L	4+K	K101	7.67	7.44	2.25

5 AKSI ELVERİŞSİZ KİRİŞ MOMENTLERİ

KAT NO	I	J	ADI	MI	MJ	T
13	5+N	5+M	K1303	3.44	3.97	1.09
	5+M	5+L	K1304	3.88	3.63	1.07
	5+L	5+K	K1303	4.21	3.44	1.13
12	5+N	5+M	K1203	7.79	8.46	2.40

	5+M	5+L	K1204	7.89	7.58	2.21
	5+L	5+K	K1203	8.78	7.79	2.44
11	5+M	5+M	K1103	11.81	12.94	3.85
	5+M	5+L	K1104	12.14	11.62	3.40
	5+L	5+K	K1103	13.47	11.81	3.73
10	5+M	5+M	K1003	15.23	16.57	4.69
	5+M	5+L	K1004	17.33	16.67	4.86
	5+L	5+K	K1003	17.23	15.23	4.79
9	5+M	5+M	K903	19.35	20.77	5.94
	5+M	5+L	K904	21.39	20.69	6.01
	5+L	5+K	K903	21.46	19.35	6.05
8	5+M	5+M	K803	22.84	24.42	7.00
	5+M	5+L	K804	22.36	21.63	6.28
	5+L	5+K	K803	25.15	22.84	7.11
7	5+M	5+M	K703	25.54	27.09	7.80
	5+M	5+L	K704	27.61	26.85	7.78
	5+L	5+K	K703	27.84	25.54	7.91
6	5+M	5+M	K603	28.47	30.62	8.75
	5+M	5+L	K604	31.61	30.56	8.88
	5+L	5+K	K603	31.69	28.48	8.91
5	5+M	5+M	K503	32.51	34.59	9.94
	5+M	5+L	K504	31.51	30.51	8.86
	5+L	5+K	K503	35.49	32.46	10.07
4	5+M	5+M	K403	32.07	36.89	10.22
	5+M	5+L	K404	40.34	38.14	11.21
	5+L	5+K	K403	39.55	32.38	10.65
3	5+M	5+M	K303	63.12	55.31	17.61
	5+M	5+L	K304	45.14	48.18	13.33
	5+L	5+K	K303	50.15	61.44	16.59
2	5+M	5+M	K203	97.67	77.14	25.99
	5+M	5+L	K204	50.73	51.82	14.61
1	5+M	5+M	K103	56.06	47.70	15.43
	5+M	5+L	K104	38.25	37.68	10.85
	5+L	5+K	K103	15.46	12.85	4.21

6 AKSI ELVERİŞSİZ KİRİŞ MOMENTLERİ

KAT NO	I	J	ADI	MI	MJ	T
13	6+M	6+M	K1305	3.24	3.92	1.06
	6+M	6+L	K1306	3.79	4.01	1.11
	6+L	6+K	K1305	3.69	3.24	1.02
12	6+M	6+M	K1205	7.34	8.24	2.30
	6+M	6+L	K1206	7.98	8.27	2.32
	6+L	6+K	K1205	7.94	7.34	2.26
11	6+M	6+M	K1105	11.14	12.60	3.50
	6+M	6+L	K1106	12.19	12.67	3.55
	6+L	6+K	K1105	12.12	11.14	3.43
10	6+M	6+M	K1005	14.44	16.36	4.55

	6+N	6+L	K1006	15.83	16.46	4.61
	6+L	6+K	K1005	15.72	14.44	4.45
9	6+N	6+M	K905	18.35	20.39	5.74
	6+M	6+L	K906	19.67	20.34	5.72
	6+L	6+K	K905	19.72	18.35	5.64
8	6+N	6+M	K805	21.56	23.59	6.69
	6+M	6+L	K806	22.75	23.42	6.60
	6+L	6+K	K805	22.92	21.56	6.59
7	6+N	6+M	K705	24.20	26.42	7.50
	6+M	6+L	K706	25.47	26.20	7.38
	6+L	6+K	K705	25.69	24.21	7.39
6	6+N	6+M	K605	27.01	30.08	8.46
	6+M	6+L	K606	29.01	30.03	8.43
	6+L	6+K	K605	29.06	26.98	8.30
5	6+N	6+M	K505	30.49	33.31	9.45
	6+M	6+L	K506	32.12	33.03	9.31
	6+L	6+K	K505	32.44	30.65	9.35
4	6+N	6+M	K405	31.46	37.86	10.27
	6+M	6+L	K406	36.51	38.68	10.74
	6+L	6+K	K405	35.39	30.61	9.78
3	6+N	6+M	K305	53.72	45.43	14.74
	6+M	6+L	K306	43.64	40.71	12.05
	6+L	6+K	K305	50.23	58.23	16.13
1	6+N	6+M	K105	46.20	37.98	12.52
	6+M	6+L	K106	36.49	34.65	10.16
	6+L	6+K	K105	13.12	11.76	3.70

7 AKSI ELVERİŞSİZ KIRIŞ MOMENTLERİ

KAT NO	I	J	ADI	MI	MJ	T
13	7+N	7+M	K1317	3.24	3.92	1.06
	7+M	7+L	K1306	3.79	4.01	1.11
	7+L	7+K	K1305	3.69	3.24	1.02
12	7+N	7+M	K1217	7.34	8.24	2.30
	7+M	7+L	K1206	7.98	8.27	2.32
	7+L	7+K	K1205	7.94	7.34	2.26
11	7+N	7+M	K1117	11.14	12.60	3.50
	7+M	7+L	K1106	12.19	12.67	3.55
	7+L	7+K	K1105	12.12	11.14	3.43
10	7+N	7+M	K1017	14.44	16.36	4.55
	7+M	7+L	K1006	15.83	16.46	4.61
	7+L	7+K	K1005	15.72	14.44	4.45
9	7+N	7+M	K917	18.35	20.39	5.74
	7+M	7+L	K906	19.67	20.34	5.72
	7+L	7+K	K905	19.72	18.35	5.64
8	7+N	7+M	K817	21.56	23.59	6.69
	7+M	7+L	K806	22.75	23.42	6.60
	7+L	7+K	K805	22.92	21.56	6.59

7	7+N	7+M	K717	24.20	26.41	7.50
	7+M	7+L	K706	25.47	26.20	7.38
	7+L	7+K	K705	25.69	24.20	7.39
6	7+N	7+M	K617	27.00	30.07	8.46
	7+M	7+L	K606	29.00	30.02	8.43
	7+L	7+K	K605	29.05	26.97	8.30
5	7+N	7+M	K517	30.47	33.28	9.44
	7+M	7+L	K506	32.10	33.01	9.30
	7+L	7+K	K505	32.42	30.62	9.34
4	7+N	7+M	K417	31.36	37.76	10.24
	7+M	7+L	K406	36.41	38.58	10.71
	7+L	7+K	K405	35.30	30.54	9.75
3	7+N	7+M	K317	53.61	45.28	14.70
	7+M	7+L	K306	43.50	40.59	12.01
	7+L	7+K	K305	50.05	57.98	16.06
1	7+N	7+M	K117	45.20	37.28	12.26
	7+M	7+L	K106	35.81	34.07	9.98
	7+L	7+K	K105	12.89	11.54	3.63

8 AKSI ELVERİŞSİZ KIRIŞ MOMENTLERİ

KAT NO	I	J	ADI	M _I	M _J	T
13	8+N	8+M	K1318	3.44	3.97	1.09
	8+M	8+L	K1304	3.88	3.63	1.07
	8+L	8+K	K1303	4.21	3.44	1.13
12	8+N	8+M	K1218	7.79	8.46	2.40
	8+M	8+L	K1204	7.89	7.58	2.21
	8+L	8+K	K1203	8.78	7.79	2.44
11	8+N	8+M	K1118	11.81	12.94	3.65
	8+M	8+L	K1104	12.14	11.62	3.40
	8+L	8+K	K1103	13.47	11.81	3.73
10	8+N	8+M	K1018	15.23	16.57	4.69
	8+M	8+L	K1004	17.33	16.67	4.86
	8+L	8+K	K1003	17.23	15.23	4.79
9	8+N	8+M	K918	19.35	20.77	5.94
	8+M	8+L	K904	21.39	20.69	6.01
	8+L	8+K	K903	21.46	19.35	6.05
8	8+N	8+M	K818	22.84	24.42	7.00
	8+M	8+L	K804	22.36	21.63	6.28
	8+L	8+K	K803	25.15	22.84	7.11
7	8+N	8+M	K718	25.54	27.08	7.79
	8+M	8+L	K704	27.60	26.84	7.78
	8+L	8+K	K703	27.83	25.53	7.91
6	8+N	8+M	K618	28.44	30.59	8.74
	8+M	8+L	K604	31.57	30.53	8.87
	8+L	8+K	K603	31.66	28.45	8.91
5	8+N	8+M	K518	32.43	34.51	9.92
	8+M	8+L	K504	31.44	30.44	8.84
	8+L	8+K	K503	35.41	32.36	10.04

4	8+N	8+M	K418	31.80	36.57	10.13
	8+M	8+L	K404	39.98	37.81	11.11
	8+L	8+K	K403	39.21	32.15	10.57
3	8+N	8+M	K318	62.43	54.70	17.42
	8+M	8+L	K304	44.65	47.60	13.18
	8+L	8+K	K303	49.54	60.52	16.37
2	8+N	8+M	K218	92.70	73.12	24.66
	8+M	8+L	K204	48.08	50.99	14.13
1	8+N	8+M	K118	52.20	44.71	14.41
	8+M	8+L	K104	36.18	35.58	10.25
	8+L	8+K	K103	14.60	12.05	3.96

9 AKSI ELVERİŞSİZ KİRİŞ MOMENTLERİ

KAT NO	I	J	ADI	MI	MJ	T
13	9+N	9+M	K1307	2.03	2.46	0.66
	9+L	9+K	K1308	2.46	2.03	0.66
12	9+N	9+M	K1207	4.30	4.69	1.33
	9+L	9+K	K1208	4.69	4.30	1.33
11	9+N	9+M	K1107	6.56	7.31	2.05
	9+L	9+K	K1108	7.31	6.56	2.05
10	9+N	9+M	K1007	8.38	9.13	2.58
	9+M	9+L	K1008	3.76	3.76	1.07
	9+L	9+K	K1007	9.13	8.38	2.58
9	9+N	9+M	K907	10.33	11.04	3.17
	9+M	9+L	K908	4.46	4.46	1.27
	9+L	9+K	K907	11.04	10.33	3.17
8	9+N	9+M	K807	12.06	13.00	3.71
	9+L	9+K	K807A	13.00	12.06	3.71
7	9+N	9+M	K707	13.43	14.22	4.10
	9+M	9+L	K708	5.69	5.69	1.63
	9+L	9+K	K707	14.22	13.42	4.09
6	9+N	9+M	K607	14.70	15.67	4.50
	9+M	9+L	K608	6.31	6.31	1.80
	9+L	9+K	K607	15.69	14.73	4.51
5	9+N	9+M	K507	16.09	17.48	4.97
	9+L	9+K	K507A	17.40	15.93	4.94
4	9+N	9+M	K407	18.10	19.32	5.54
	9+M	9+L	K408	7.79	7.80	2.23
	9+L	9+K	K407	19.74	18.89	5.72
3	9+N	9+M	K307	20.42	22.12	6.32
	9+M	9+L	K308	8.95	8.90	2.55
	9+L	9+K	K307	19.92	16.40	5.40
2	9+N	9+M	K207	22.51	25.22	7.10
	9+M	9+L	K208	10.87	11.20	3.15
1	9+N	9+M	K107	15.96	16.90	4.89

9+N	9+L	K108	17.18	17.21	4.91
9+L	9+K	K107	8.97	10.89	2.95

N AKSI ELVERİŞSİZ KİRİŞ MOMENTLERİ

KAT	I	J	ADI	MI	MJ	T
NO						
13	9+N	8+N	K1309	1.91	2.13	0.60
	8+N	7+N	K1310	2.25	2.24	0.64
	7+N	6+N	K1311	2.23	2.23	0.64
	6+N	5+N	K1310	2.24	2.25	0.64
	5+N	4+N	K1309	2.13	1.91	0.60
12	9+N	8+N	K1209	4.10	4.34	1.25
	8+N	7+N	K1210	4.44	4.44	1.27
	7+N	6+N	K1211	4.44	4.44	1.27
	6+N	5+N	K1210	4.44	4.44	1.27
	5+N	4+N	K1209	4.34	4.10	1.25
11	9+N	8+N	K1109	6.21	6.62	1.89
	8+N	7+N	K1110	6.79	6.78	1.94
	7+N	6+N	K1111	6.78	6.78	1.94
	6+N	5+N	K1110	6.78	6.79	1.94
	5+N	4+N	K1109	6.62	6.21	1.89
10	9+N	8+N	K1009	8.06	8.59	2.46
	8+N	7+N	K1010	8.82	8.81	2.52
	7+N	6+N	K1011	8.80	8.80	2.52
	6+N	5+N	K1010	8.81	8.82	2.52
	5+N	4+N	K1009	8.59	8.06	2.46
9	9+N	8+N	K909	9.93	10.48	3.02
	8+N	7+N	K910	10.64	10.64	3.04
	7+N	6+N	K911	10.63	10.63	3.04
	6+N	5+N	K910	10.64	10.64	3.04
	5+N	4+N	K909	10.48	9.93	3.02
8	9+N	8+N	K809	11.38	11.92	3.45
	8+N	7+N	K810	12.00	12.00	3.43
	7+N	6+N	K811	12.00	12.00	3.43
	6+N	5+N	K810	12.00	12.00	3.43
	5+N	4+N	K809	11.92	11.38	3.45
7	9+N	8+N	K709	12.80	13.41	3.88
	8+N	7+N	K710	13.51	13.51	3.86
	7+N	6+N	K711	13.50	13.50	3.86
	6+N	5+N	K710	13.51	13.51	3.86
	5+N	4+N	K709	13.41	12.80	3.88
6	9+N	8+N	K609	13.94	14.67	4.24
	8+N	7+N	K610	14.86	14.87	4.25
	7+N	6+N	K611	14.87	14.87	4.25
	6+N	5+N	K610	14.87	14.86	4.25
	5+N	4+N	K609	14.67	13.94	4.24
5	9+N	8+N	K509	14.91	16.08	4.59
	8+N	7+N	K510	16.61	16.58	4.74
	7+N	6+N	K511	16.55	16.55	4.73
	6+N	5+N	K510	16.58	16.61	4.74
	5+N	4+N	K509	16.08	14.91	4.59
4	9+N	8+N	K409	16.63	16.74	4.94
	8+N	7+N	K410	16.31	16.38	4.67

	7+M	6+M	K714	25.92	25.92	7.41
	6+M	5+M	K713	25.92	25.92	7.41
	5+M	4+M	K712	25.36	23.84	7.29
6	9+M	8+M	K612	26.50	26.52	8.15
	8+M	7+M	K613	29.44	29.45	8.41
	7+M	6+M	K614	29.45	29.45	8.41
	6+M	5+M	K613	29.45	29.44	8.41
	5+M	4+M	K612	28.52	26.50	8.15
5	9+M	8+M	K512	26.61	28.20	8.12
	8+M	7+M	K513	32.09	31.91	9.14
	7+M	6+M	K514	31.91	31.91	9.12
	6+M	5+M	K513	31.91	32.09	9.14
	5+M	4+M	K512	28.20	26.61	8.12
4	9+M	8+M	K412	33.22	35.84	10.23
	8+M	7+M	K413	37.14	37.24	10.62
	7+M	6+M	K414	37.24	37.24	10.64
	6+M	5+M	K413	37.24	37.14	10.62
	5+M	4+M	K412	35.84	33.22	10.23
3	9+M	8+M	K312	32.34	35.09	10.03
	8+M	7+M	K313	36.03	35.56	10.23
	7+M	6+M	K314	35.56	35.56	10.16
	6+M	5+M	K313	35.56	36.03	10.23
	5+M	4+M	K312	35.09	32.34	10.03
2	9+M	8+M	K212	29.50	32.67	9.27
	8+M	7+M	K213	32.28	34.86	9.48
	6+M	5+M	K213	34.44	32.28	9.39
	5+M	4+M	K212	32.67	29.50	9.27
1	9+M	8+M	K112	25.20	27.26	7.86
	8+M	7+M	K113	27.93	27.93	7.93
	7+M	6+M	K114	27.93	27.93	7.88
	6+M	5+M	K113	27.93	27.93	7.93
	5+M	4+M	K112	27.26	25.20	7.86

L AKSI ELVERİŞSİZ KIRIŞ MOMENTLERİ

KAT	I	J	ADI	MI	MJ	T
NO						
13	9+L	8+L	K1316	3.08	3.62	0.99
	8+L	7+L	K1313	3.93	4.04	1.14
	7+L	6+L	K1314	3.98	3.98	1.14
	6+L	5+L	K1313	4.04	3.93	1.14
	5+L	4+L	K1312	3.62	3.08	0.99
12	9+L	8+L	K1216	6.83	7.53	2.12
	8+L	7+L	K1213	8.18	8.36	2.36
	7+L	6+L	K1214	8.32	8.32	2.38
	6+L	5+L	K1213	8.36	8.18	2.36
	5+L	4+L	K1212	7.53	6.83	2.12
11	9+L	8+L	K1116	10.46	11.54	3.25
	8+L	7+L	K1113	12.52	12.77	3.61
	7+L	6+L	K1114	12.67	12.67	3.62
	6+L	5+L	K1113	12.77	12.52	3.61
	5+L	4+L	K1112	11.54	10.46	3.25
10	9+L	8+L	K1016	14.47	16.40	4.56
	8+L	7+L	K1013	15.88	16.48	4.62

	7+L	6+L	K1014	16.45	16.45	4.70
	6+L	5+L	K1013	16.48	15.88	4.62
	5+L	4+L	K1012	16.40	14.47	4.56
9	9+L	8+L	K916	18.19	20.31	5.70
	8+L	7+L	K913	19.58	20.28	5.69
	7+L	6+L	K914	20.28	20.28	5.79
	6+L	5+L	K913	20.28	19.58	5.69
	5+L	4+L	K912	20.31	18.19	5.70
8	9+L	8+L	K816	19.82	21.26	6.09
	8+L	7+L	K813	22.99	23.33	6.62
	7+L	6+L	K814	23.22	23.22	6.63
	6+L	5+L	K813	23.33	22.99	6.62
	5+L	4+L	K812	21.26	19.82	6.09
7	9+L	8+L	K716	23.85	26.12	7.40
	8+L	7+L	K713	25.19	25.93	7.30
	7+L	6+L	K714	25.93	25.93	7.41
	6+L	5+L	K713	25.93	25.19	7.30
	5+L	4+L	K712	26.12	23.85	7.40
6	9+L	8+L	K616	26.56	29.58	8.32
	8+L	7+L	K613	28.52	29.53	8.29
	7+L	6+L	K614	29.53	29.53	8.44
	6+L	5+L	K613	29.53	28.52	8.29
	5+L	4+L	K612	29.58	26.56	8.32
5	9+L	8+L	K516	26.73	29.03	8.26
	8+L	7+L	K513	31.42	32.03	9.07
	7+L	6+L	K514	31.92	31.92	9.12
	6+L	5+L	K513	32.03	31.42	9.07
	5+L	4+L	K512	29.03	26.73	8.26
4	9+L	8+L	K416	33.81	37.96	10.63
	8+L	7+L	K413	36.60	38.08	10.67
	7+L	6+L	K414	38.17	38.17	10.91
	6+L	5+L	K413	38.08	36.60	10.67
	5+L	4+L	K412	37.96	33.81	10.63
3	9+L	8+L	K316	33.13	36.55	10.36
	8+L	7+L	K313	35.11	35.67	10.11
	7+L	6+L	K314	35.25	35.25	10.07
	6+L	5+L	K313	35.67	35.11	10.12
	5+L	4+L	K312	36.55	33.13	10.37
2	9+L	8+L	K216	33.76	40.00	10.91
	5+L	4+L	K212A	37.66	33.72	10.51
1	9+L	8+L	K116	28.99	32.03	9.07
	8+L	7+L	K113	30.77	31.35	8.87
	7+L	6+L	K114	31.04	31.03	8.87
	6+L	5+L	K113	31.35	30.79	8.88
	5+L	4+L	K112	32.03	28.99	9.08

K AKSI ELVERİSSİZ KİRİŞ MOMENTLERİ

KAT NO	I	J	ADI	MI	MJ	T
13	9+K	8+K	K1320	1.91	2.13	0.60
	8+K	7+K	K1310	2.25	2.24	0.64
	7+K	6+K	K1311	2.23	2.23	0.64
	6+K	5+K	K1310	2.24	2.25	0.64

15	6	K	5.16	4.24	3.13	7.56	4.20	3.92
16	7	N	5.16	4.24	3.13	7.56	4.20	3.92
17	7	M	12.85	8.36	7.07	13.10	8.65	7.25
18	7	L	12.85	8.36	7.07	13.10	8.65	7.25
19	7	K	5.16	4.24	3.13	7.56	4.20	3.92
20	8	N	5.42	4.48	3.30	7.55	4.17	3.91
21	8	M	13.01	8.17	7.06	12.64	8.00	6.88
22	8	L	13.01	8.17	7.06	12.64	8.00	6.88
23	8	K	5.40	4.47	3.29	7.55	4.17	3.91
27	9	N	3.06	2.37	1.81	3.04	2.31	1.78
28	9	M	5.20	1.11	2.10	4.82	3.83	2.89
29	9	L	5.20	1.11	2.10	4.93	3.84	2.92
30	9	K	3.06	2.37	1.81	3.04	2.31	1.78

11. KAT ELVERİSSİZ KOLON VE PERDE MOMENTLERİ

NO.			MX(UST)	MX(ALT)	TX	MY(UST)	MY(ALT)	TY
1	4	K	4.08	3.42	2.50	4.02	3.37	2.46
2	4	N	6.07	3.58	3.22	6.62	6.03	4.22
3	4	L	6.07	3.58	3.22	6.72	6.07	4.26
4	4	K	4.08	3.41	2.50	4.02	3.37	2.46
8	5	N	7.26	6.42	4.56	9.28	8.36	5.22
9	5	M	16.73	12.97	9.90	16.24	12.57	9.60
10	5	L	16.73	12.97	9.90	16.24	12.57	9.60
11	5	K	7.28	6.44	4.57	9.28	8.36	5.22
12	6	N	6.93	6.13	4.35	9.34	8.43	5.26
13	6	M	16.41	12.54	9.65	16.80	12.94	9.92
14	6	L	16.41	12.54	9.65	16.80	12.94	9.92
15	6	K	6.93	6.13	4.35	9.34	8.43	5.26
16	7	N	6.93	6.13	4.35	9.34	8.43	5.26
17	7	M	16.41	12.54	9.65	16.80	12.94	9.92
18	7	L	16.41	12.54	9.65	16.80	12.94	9.92
19	7	K	6.93	6.13	4.35	9.34	8.43	5.26
20	8	N	7.26	6.44	4.57	9.28	8.36	5.22
21	8	M	16.73	12.97	9.90	16.24	12.57	9.60
22	8	L	16.73	12.97	9.90	16.24	12.57	9.60
23	8	K	7.26	6.42	4.56	9.28	8.36	5.22
27	9	N	4.08	3.42	2.50	4.02	3.37	2.46
28	9	M	6.07	3.58	3.22	6.62	6.03	4.22
29	9	L	6.07	3.58	3.22	6.72	6.07	4.26
30	9	K	4.08	3.41	2.50	4.02	3.37	2.46

10. KAT ELVERİSSİZ KOLON VE PERDE MOMENTLERİ

NO.			MX(UST)	MX(ALT)	TX	MY(UST)	MY(ALT)	TY
1	4	N	4.83	4.12	2.98	4.82	4.14	2.99
2	4	M	9.08	6.56	5.21	8.44	7.51	5.31
3	4	L	9.08	6.56	5.21	8.60	7.60	5.40
4	4	K	4.83	4.12	2.98	4.82	4.14	2.99
8	5	N	8.70	7.66	5.45	11.11	8.51	6.54
9	5	M	20.70	16.58	12.43	19.96	16.10	12.02
10	5	L	20.70	16.59	12.43	19.96	16.10	12.02
11	5	K	8.73	7.68	5.47	11.11	8.51	6.54
12	6	N	8.34	7.35	5.23	11.16	8.54	6.57
13	6	M	19.63	15.67	11.77	20.00	16.09	12.03
14	6	L	19.63	15.67	11.77	20.00	16.09	12.03
15	6	K	8.34	7.35	5.23	11.16	8.54	6.57
16	7	N	8.34	7.35	5.23	11.16	8.54	6.57
17	7	M	19.63	15.67	11.77	20.00	16.09	12.03
18	7	L	19.63	15.67	11.77	20.00	16.09	12.03
19	7	K	8.34	7.35	5.23	11.16	8.54	6.57
20	8	N	8.73	7.68	5.47	11.11	8.51	6.54

21	8	M	20.70	16.58	12.43	19.95	16.10	12.02
22	8	L	20.70	16.59	12.43	19.96	16.10	12.02
23	8	K	8.70	7.66	5.45	11.11	8.50	6.54
27	9	N	4.83	4.12	2.98	4.82	4.14	2.99
28	9	M	9.08	6.56	5.21	8.44	7.51	5.31
29	9	L	9.08	6.56	5.21	8.60	7.60	5.40
30	9	K	4.83	4.12	2.98	4.82	4.14	2.99

9. KAT ELVERİŞSİZ KOLON VE PERDE MOMENTLERİ

NO.			MX(ÜST)	MX(ALT)	TX	MY(ÜST)	MY(ALT)	TY
1	4	N	6.05	5.22	3.76	5.96	5.11	3.69
2	4	M	8.67	3.74	4.13	10.68	8.89	6.52
3	4	L	8.66	3.73	4.13	10.82	8.92	6.57
4	4	K	6.05	5.22	3.76	5.96	5.11	3.69
8	5	N	11.56	10.20	7.25	12.69	9.46	7.39
9	5	M	25.28	18.91	14.73	24.09	18.35	14.15
10	5	L	25.28	18.90	14.73	24.10	18.34	14.14
11	5	K	11.56	10.22	7.27	12.70	9.47	7.39
12	6	N	11.04	9.71	6.92	12.69	9.43	7.37
13	6	M	24.37	19.01	14.46	24.49	19.37	14.62
14	6	L	24.37	19.00	14.46	24.50	19.36	14.62
15	6	K	11.04	9.71	6.92	12.70	9.44	7.38
16	7	N	11.04	9.71	6.92	12.69	9.43	7.37
17	7	M	24.37	19.01	14.46	24.49	19.37	14.62
18	7	L	24.37	19.00	14.46	24.50	19.36	14.62
19	7	K	11.04	9.71	6.92	12.70	9.44	7.38
20	8	N	11.56	10.22	7.27	12.69	9.46	7.39
21	8	M	25.28	18.91	14.73	24.09	18.35	14.15
22	8	L	25.28	18.90	14.73	24.10	18.34	14.15
23	8	K	11.56	10.20	7.25	12.70	9.47	7.39
27	9	N	6.05	5.22	3.76	5.96	5.11	3.69
28	9	M	8.66	3.74	4.13	10.68	8.89	6.52
29	9	L	8.66	3.74	4.13	10.82	8.92	6.57
30	9	K	6.05	5.22	3.75	5.96	5.11	3.69

8. KAT ELVERİŞSİZ KOLON VE PERDE MOMENTLERİ

NO.			MX(ÜST)	MX(ALT)	TX	MY(ÜST)	MY(ALT)	TY
1	4	N	6.65	5.80	4.15	6.47	5.70	4.06
2	4	M	9.04	6.59	5.21	10.92	10.44	7.12
3	4	L	9.04	6.59	5.21	11.06	10.52	7.19
4	4	K	6.65	5.80	4.15	6.48	5.71	4.06
8	5	N	12.47	11.36	7.94	14.56	10.96	8.51
9	5	M	27.55	23.16	16.90	26.23	22.07	16.10
10	5	L	27.56	23.17	16.91	26.25	22.08	16.11
11	5	K	12.51	11.38	7.96	14.56	10.91	8.49
12	6	N	11.89	10.84	7.58	14.53	10.95	8.49
13	6	M	27.31	22.46	16.59	27.20	22.48	16.56
14	6	L	27.31	22.47	16.59	27.22	22.49	16.57
15	6	K	11.89	10.84	7.58	14.53	10.90	8.48
16	7	N	11.89	10.84	7.58	14.53	10.95	8.49
17	7	M	27.31	22.46	16.59	27.20	22.48	16.56
18	7	L	27.31	22.47	16.59	27.22	22.49	16.57
19	7	K	11.89	10.84	7.58	14.53	10.90	8.48
20	8	N	12.51	11.38	7.96	14.56	10.96	8.51
21	8	M	27.55	23.16	16.90	26.23	22.07	16.10
22	8	L	27.55	23.18	16.91	26.24	22.08	16.11
23	8	K	12.47	11.36	7.94	14.56	10.91	8.49
27	9	N	6.65	5.80	4.15	6.47	5.70	4.06
28	9	M	9.04	6.59	5.21	10.92	10.44	7.12
29	9	L	9.04	6.59	5.21	11.06	10.52	7.19

30 9 K 6.65 5.81 4.15 6.48 5.72 4.07

7. KAT ELVERİŞSİZ KOLON VE PERDE MOMENTLERİ

NO.			MX(ÜST)	MX(ALT)	TX	MY(ÜST)	MY(ALT)	TY
1	4	N	7.43	6.82	4.75	7.31	6.73	4.68
2	4	M	12.99	9.26	7.42	13.40	12.50	8.63
3	4	L	12.98	9.23	7.40	13.62	12.60	8.74
4	4	K	7.42	6.80	4.74	7.32	6.69	4.67
8	5	N	14.01	13.06	9.02	16.06	12.87	9.64
9	5	M	31.16	24.27	18.48	29.61	23.41	17.67
10	5	L	31.14	24.20	18.45	29.62	23.31	17.64
11	5	K	14.05	13.08	9.04	16.16	12.98	9.71
12	6	N	13.41	12.47	8.63	16.02	12.77	9.59
13	6	M	29.40	22.76	17.39	29.39	23.24	17.54
14	6	L	29.39	22.71	17.37	29.40	23.12	17.51
15	6	K	13.42	12.51	8.64	16.12	12.87	9.66
16	7	N	13.40	12.47	8.63	16.02	12.77	9.59
17	7	M	29.39	22.76	17.39	29.39	23.24	17.54
18	7	L	29.38	22.72	17.37	29.40	23.12	17.51
19	7	K	13.42	12.51	8.64	16.11	12.87	9.66
20	8	N	14.04	13.09	9.04	16.06	12.87	9.64
21	8	M	31.15	24.29	18.48	29.60	23.43	17.66
22	8	L	31.13	24.22	18.45	29.61	23.32	17.65
23	8	K	14.00	13.06	9.02	16.16	13.00	9.72
27	9	N	7.42	6.82	4.75	7.31	6.73	4.68
28	9	M	12.99	9.26	7.42	13.40	12.50	8.63
29	9	L	12.98	9.28	7.42	13.62	12.63	8.75
30	9	K	7.41	6.77	4.72	7.30	6.66	4.65

6. KAT ELVERİŞSİZ KOLON VE PERDE MOMENTLERİ

NO.			MX(ÜST)	MX(ALT)	TX	MY(ÜST)	MY(ALT)	TY
1	4	N	7.68	7.12	4.93	7.45	7.13	4.86
2	4	M	12.38	5.08	5.82	13.99	12.34	5.78
3	4	L	12.42	5.23	5.88	14.28	12.41	5.89
4	4	K	7.71	7.21	4.97	7.56	7.31	4.96
8	5	N	15.20	13.32	9.51	16.79	10.79	9.19
9	5	M	37.52	27.08	21.53	35.02	27.17	20.73
10	5	L	37.62	27.49	21.70	35.27	27.40	20.89
11	5	K	15.27	13.37	9.54	16.74	9.72	8.82
12	6	N	14.59	12.89	9.16	16.92	11.23	9.38
13	6	M	36.30	27.82	21.37	35.70	28.99	21.56
14	6	L	36.34	28.03	21.46	35.97	29.29	21.75
15	6	K	14.52	12.66	9.06	16.85	10.12	8.99
16	7	N	14.58	12.88	9.16	16.92	11.23	9.38
17	7	M	36.28	27.84	21.37	35.69	28.99	21.56
18	7	L	36.32	28.03	21.45	35.96	29.29	21.75
19	7	K	14.52	12.67	9.06	16.85	10.13	8.99
20	8	N	15.23	13.34	9.52	16.78	10.80	9.19
21	8	M	37.46	27.10	21.52	34.97	27.17	20.71
22	8	L	37.56	27.50	21.69	35.22	27.39	20.87
23	8	K	15.20	13.37	9.52	16.72	9.65	8.79
27	9	N	7.66	7.12	4.93	7.44	7.13	4.86
28	9	M	12.33	5.10	5.81	13.99	12.34	5.78
29	9	L	12.35	5.15	5.84	14.23	12.40	5.87
30	9	K	7.75	7.36	5.04	7.60	7.47	5.02

5. KAT ELVERİŞSİZ KOLON VE PERDE MOMENTLERİ

NO. MX(ÜST) MX(ALT) TX MY(ÜST) MY(ALT) TY

1	4	N	8.78	7.50	5.43	8.06	6.47	4.84
2	4	M	12.17	6.13	6.10	14.26	13.09	9.12
3	4	L	11.97	5.46	5.81	14.52	13.09	9.16
4	4	K	8.63	7.04	5.22	7.97	5.65	4.54
8	5	N	18.96	20.44	13.13	22.06	23.36	15.14
9	5	M	38.55	25.25	21.27	33.64	19.84	17.82
10	5	L	38.05	23.53	20.53	33.58	17.73	17.10
11	5	K	18.94	20.28	13.07	23.68	26.43	16.70
12	6	N	17.66	18.34	12.00	21.85	22.17	14.67
13	6	M	37.56	22.18	19.91	34.87	19.72	16.20
14	6	L	37.40	21.46	19.62	34.72	17.26	17.32
15	6	K	18.06	19.47	12.51	23.60	25.52	16.37
16	7	N	17.65	18.35	12.00	21.84	22.17	14.67
17	7	M	37.51	22.27	19.93	34.87	19.76	18.21
18	7	L	37.37	21.64	19.67	34.71	17.31	17.34
19	7	K	18.04	19.45	12.49	23.59	25.51	16.37
20	8	N	18.96	20.50	13.15	22.03	23.35	15.13
21	8	M	38.44	25.61	21.35	33.57	20.14	17.89
22	8	L	37.94	23.89	20.61	33.53	18.08	17.18
23	8	K	18.79	20.14	12.98	23.68	26.62	16.77
27	9	N	8.75	7.52	5.42	8.02	6.48	4.83
28	9	M	12.11	6.54	6.22	14.26	13.09	9.12
29	9	L	11.98	6.17	6.05	14.51	13.25	9.25
30	9	K	8.34	6.29	4.88	7.67	4.92	4.19

4. KAT ELVERİSSİZ KOLON VE PERDE MOMENTLERİ

NO.			MX(ÜST)	MX(ALT)	TX	MY(ÜST)	MY(ALT)	TY
1	4	N	10.53	9.42	6.65	10.55	11.77	7.44
2	4	M	20.87	10.02	10.30	20.13	20.65	13.59
3	4	L	21.79	12.90	11.59	21.74	22.11	14.62
4	4	K	11.34	11.79	7.71	12.17	15.30	9.16
8	5	N	11.33	0.61	0.91	9.94	29.65	6.68
9	5	M	51.32	36.15	29.16	53.87	55.79	36.55
10	5	L	53.51	43.43	32.31	57.55	61.38	39.64
11	5	K	11.92	8.12	2.03	7.13	47.34	13.49
12	6	N	13.17	2.33	3.90	10.63	25.84	5.10
13	6	M	52.12	45.32	32.48	54.83	60.05	36.30
14	6	L	52.56	47.43	33.33	59.06	67.22	42.09
15	6	K	11.21	8.28	1.75	7.00	45.52	12.85
16	7	N	13.08	2.38	3.84	10.60	25.83	5.08
17	7	M	51.87	45.29	32.39	54.75	59.96	38.24
18	7	L	52.22	47.05	33.09	58.98	67.12	42.03
19	7	K	11.17	8.21	1.76	6.99	45.51	12.85
20	8	N	11.20	8.82	1.01	9.81	29.65	6.67
21	8	M	50.54	35.64	28.73	53.34	55.49	36.27
22	8	L	52.75	42.95	31.90	57.03	61.01	39.34
23	8	K	11.82	6.88	1.65	7.08	47.75	13.65
27	9	N	10.37	9.33	6.57	10.38	11.71	7.36
28	9	M	20.23	9.54	9.92	20.13	20.65	13.59
29	9	L	21.05	11.77	10.94	20.84	21.16	14.00
30	9	K	12.43	15.47	9.30	13.36	19.34	10.90

3. KAT ELVERİSSİZ KOLON VE PERDE MOMENTLERİ

NO.			MX(ÜST)	MX(ALT)	TX	MY(ÜST)	MY(ALT)	TY
1	4	N	11.13	10.37	3.58	7.79	9.61	2.89
2	4	M	21.12	7.81	4.82	11.69	12.87	4.09
3	4	L	16.97	4.29	2.12	12.26	22.18	5.22
4	4	K	7.06	0.85	1.07	4.28	5.08	0.50
8	5	N	71.31	40.66	37.32	81.56	36.11	39.04

9	5	N	63.62	47.15	18.46	16.34	21.60	5.94
10	5	L	54.23	19.17	12.21	11.27	18.69	2.38
11	5	K	68.52	30.31	32.93	105.92	46.86	50.89
12	6	N	55.47	6.78	16.96	80.32	24.36	34.72
13	6	N	43.70	6.56	6.21	11.17	8.96	2.83
14	6	L	43.48	10.58	5.67	3.81	33.61	5.00
15	6	K	66.06	29.53	31.85	109.09	48.40	52.49
16	7	N	55.45	5.94	17.32	80.32	24.02	34.73
17	7	N	43.46	6.01	6.27	11.20	6.39	2.67
18	7	L	43.61	8.99	5.98	3.89	32.96	4.90
19	7	K	65.78	29.75	31.83	109.08	48.44	52.50
20	8	N	71.66	42.44	37.83	81.34	37.08	39.28
21	8	M	63.44	49.85	18.88	16.03	24.01	6.45
22	8	L	53.95	21.63	12.57	11.06	18.65	2.93
23	8	K	67.27	30.81	32.70	104.70	46.46	50.35
27	9	N	10.98	10.51	3.58	7.59	9.79	2.89
28	9	M	21.29	10.90	5.36	11.69	12.87	4.09
29	9	L	16.75	0.94	2.64	12.23	18.88	4.79
30	9	K	0.85	17.61	2.83	3.51	24.12	4.57

2. KAT ELVERİŞSİZ KOLON VE PERDE MOMENTLERİ

NO.			MX(ÜST)	MX(ALT)	TX	MY(ÜST)	MY(ALT)	TY
1	4	N	13.21	15.24	4.74	12.12	12.18	4.05
2	4	N	23.39	35.37	14.33	16.63	17.64	5.71
3	4	L	16.10	48.08	10.69	32.03	42.21	12.34
4	4	K	0.85	8.12	1.47	5.08	12.71	2.98
8	5	N	94.75	31.14	46.65	38.95	116.98	51.05
9	5	M	77.71	111.08	31.63	59.46	78.48	22.48
10	5	L	44.62	31.33	22.55	63.75	95.66	26.56
11	5	K	38.31	5.04	4.64	48.88	27.77	3.42
12	6	N	5.77	70.32	25.37	14.89	104.79	33.73
13	6	N	18.88	64.64	17.12	31.26	58.29	14.55
14	6	L	10.58	74.38	14.14	33.61	79.10	18.77
15	6	K	29.53	4.68	4.58	48.40	24.43	4.33
16	7	N	4.75	69.19	24.42	14.31	104.40	39.48
17	7	N	15.02	81.44	16.07	30.38	54.76	14.19
18	7	L	8.99	72.10	13.42	32.96	78.19	18.51
19	7	K	29.75	4.42	4.68	48.44	24.36	4.05
20	8	N	50.51	86.37	45.60	32.42	113.63	48.32
21	8	M	71.26	104.46	29.29	49.99	64.60	19.10
22	8	L	37.60	84.03	20.27	58.31	89.21	24.58
23	8	K	30.81	1.48	4.89	46.46	29.13	3.30
27	9	N	11.96	13.91	4.31	9.97	9.64	3.27
28	9	M	25.08	49.72	12.47	16.63	17.64	5.71
29	9	L	12.20	42.87	9.17	27.26	31.74	9.82
30	9	K	17.61	37.73	18.44	24.12	47.74	23.94

1. KAT ELVERİŞSİZ KOLON VE PERDE MOMENTLERİ

NO.			MX(ÜST)	MX(ALT)	TX	MY(ÜST)	MY(ALT)	TY
1	4	N	1.56	14.44	5.32	5.79	13.98	6.35
2	4	M	20.19	72.02	17.28	7.55	23.29	10.28
3	4	L	22.67	70.78	16.04	26.15	24.16	11.16
4	4	K	1.00	13.20	4.07	4.45	14.21	5.70
8	5	N	36.94	5.28	10.55	76.55	30.21	16.44
9	5	M	28.50	128.57	33.40	26.23	115.15	37.00
10	5	L	39.45	123.16	27.98	37.41	112.41	30.26
11	5	K	10.06	29.20	12.94	3.27	77.28	26.50
12	6	N	24.94	10.81	4.95	75.95	29.47	15.58
13	6	M	10.62	131.01	40.21	8.15	117.76	39.54
14	6	L	27.04	122.84	32.02	18.35	116.32	33.65

15	6	K	9.85	27.92	12.40	3.51	74.41	23.67
16	7	N	23.99	11.11	4.54	75.83	29.51	15.52
17	7	N	8.54	131.15	40.96	6.52	117.86	39.74
18	7	L	25.09	122.91	32.70	16.96	116.45	33.85
19	7	K	10.10	27.90	12.47	3.71	74.38	23.65
20	8	N	34.24	7.20	9.35	75.39	30.46	15.76
21	8	N	23.67	128.66	35.05	21.59	116.28	38.90
22	8	L	33.81	123.67	30.04	32.01	113.86	32.51
23	8	K	10.57	28.64	13.07	6.86	78.92	28.22
27	9	N	2.09	14.37	5.48	6.20	14.12	6.68
28	9	N	15.67	72.23	18.86	7.55	23.29	10.28
29	9	L	16.69	71.71	18.34	20.16	28.69	15.35
30	9	K	26.68	0.24	8.89	23.82	5.28	8.24

DEVİRİME MOMENTLERİ HESABI

Kat No	Yükseklik	X Yönü		Y Yönü	
		Deprem Yükü	Devrilme Momenti	Deprem Yükü	Devrilme Momenti
13	39.000	47.910	1868.490	51.660	2014.740
12	36.000	44.270	1593.720	46.880	1687.680
11	33.000	36.540	1205.820	37.430	1235.190
10	30.000	33.510	1005.300	33.180	995.400
9	27.000	30.570	825.390	29.940	808.380

8	24.000	26.900	645.600	26.420	634.080
7	21.000	27.510	577.710	26.730	561.330
6	18.000	24.870	447.660	23.650	425.700
5	15.000	20.540	308.100	19.310	289.650
4	12.000	21.030	252.360	19.930	239.160
3	9.000	21.390	192.510	20.250	182.250
2	6.000	9.410	56.460	8.590	51.540
1	3.000	2.660	8.040	3.180	9.540

8987.160

9134.641

PERDE TABAN MOMENTLERİ HESABI

P E R D E

Perde	Düğüm	Taban	Kiriş	Moment	Toplam	X Yönü	Y Yönü
Adı	Noktası	Momenti	Momenti	Toplamı			

Alfa M = 0.00 0.00
0.00 0.00

