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Anadolu Üniversitesi
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Lisansüstü Tezi

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114

**ÇOK AÇIKLIKLI ÇERÇEVE SİSTEMLİ VE
KOLON ÇÖKMELERİNİN ETKİSİ ALTINDAKİ
BETONARME YAPILARIN ANALİZİ**

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Hazırlayan
Cüneyt SELMANOĞULLARI

MART - 1986
ESKİŞEHİR

**T. C.
ANADOLU ÜNİVERSİTESİ
MERKEZ KÜTÜPHANESİ**

Ö N S Ö Z

Günümüz konut yapılarında en çok kullanılan malzeme betonarmedir. Bu çalışmada betonarme bir kolonun çeşitli nedenlerle kılması sonucunda oluşacak uç momentlerinin basit bir tablo yardımı ile bulunmasını amaçlamaktadır.

İlk bölümde böyle bir çalışmanın neden gerektiği anlatılmıştır.

İkinci bölümde çözüm metodu ve metodun teorisinin bilgisayara uyarlanması konusunda bilgi verilmiştir.

Üçüncü bölümde tablolar sunulmuştur. Bölüm başında tabloların kullanımı ile ilgili bilgiler verilmiştir.

Sonuç bölümünde çalışmanın sonuçları ve amaca ulaşp ulaşılmadığı hakkında bilgi verilmiştir. Ek olarak da genel hal için bir bilgisayar programı ilave edilmiştir.

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GİRİŞ:

TÜRKİYE ve bölgemizde hasarlar sözkonusu idi, olaylar arttıkça araştırmalar da gelişti, daha bilimsel bir hâl aldı. Sadece hasar görülen bölgenin etüdü ile yetinilmeyip esas etkenin veya etki kaynağının yeri de araştırılmaya başlandı. Herhangi bir hasar sadece o bölgedeki imâlat (kalite) veya konstrüksiyon hatalarından olabileceği gibi limit durumda çalışan bir kesitin dolaylı zorlanmasıyla olabilme ihtimaline de sahiptir.

Bu hatalar şunlardır;

1. LOKAL HATA:

1.1. Kalite farklılıkları:

İmâlat sırasında istenilen kaliteye erişilmiş olsa bile bir veya birkaç yerde bu kaliteye istenildiği halde erişilememiş olabilir. Bunun sonucunda elastisite modülü değişir ve sistemde bir kalite farklılığı meydana gelir.

E. Pauw'a göre E elastisite modülü ile küp basınç dayanımı arasında şu bağıntı vardır.

$$E = C \cdot \sqrt{\beta_w}$$

Burada C katsayısı 16.000-25.000 arasında değişmektedir. Ortalaması 20.000 alınır;

<u>β_w (kg/cm²)</u>	<u>E (kg/cm²)</u>
80	178885
120	219085
160	252982
225	300000
300	346410

$$\epsilon = \frac{\Delta L}{L}$$

$$\sigma = \frac{F}{E}$$

$$\epsilon = \frac{\sigma}{E}$$

$\sigma = 50 \text{ kg/cm}^2$ için ($L=300 \text{ cm}$ 'lik bir kolonda);

<u>P_w (kg/cm²)</u>	<u>ϵ (mm)</u>
80	0,84_0,16
120	0,68_0,09
160	0,59_0,09
225	0,50_0,07
300	0,43

Tablodan da görüleceği gibi kalite düştükçe çökme olasılığı artıyor. Biz farklı çökmeyi, çökme olarak kabul ediyoruz. Kat seviyesindeki eşit çökme sistemi zorlamaz. Kat seviyesindeki eşit çökme sonucu kolon k' larındaki farklılık ihmâl edilibilecek mertebede olduğundan sistemi zorlamadığını kabul ediyoruz. Burada incelenen çökme tarifi, çökmenin farklılığı ile oluşan çökmedir.

Kalite farklılığının kalite bozukluğu gösterecek kadar büyük olması halinde herhangi bir yerdeki hasarın sistem üzerindeki etkisi incelenip sistemi harabiyete götürüp götürmeyeceği de sözkonusu olabilir.

1.2. Konstrüksiyon hatası:

İmâlat sırasında yerine konulan donatının uygun olmaması veya kesitlerdeki farklılıkların sonucunda oluşan hatadır. İmâlat hatası bahsinde söylenenlerin tamamı bu tip hata içinde geçerlidir.

2.SİSTEMİ İÇEREN HATA:

Lokal hata bölgesel bir hatadır.Bir de başka bir elemanın diğer bir elemana etkisi sonucu oluşan hatalar vardır.Bunlar sistemi içeren hatalar olarak isimlendirilirler.

2.1.Sistemin düzenlenmesinde hata olabilir.Bunun sonucunda statik zorlanma herhangi bir yerde kendisini belli eder.

2.2.Sistem düzenli bir sistemdir.Görünen kusuru görünmeyen bir bölgede etki meydana getirmiştir.Limit durumunda çalışan bir kolon düşünelim:Dizaynı ve imâlâtında hata olmasın.Uzağındaki bir kolonun kısalması sonucu kolon limit durumunu aşmış ve bu etki hasara neden olmuştur.Bunun yanında çöken kolon limit durma ulaşmamış ve hasar sınırlı kalmış olabilir.Bu etki görünen etkinin görünmeyen bölgedeki etkisi olarak tanımlanır.

3.Bu gibi etkenlerin mertebesi hakkında bir fikir verebilmek için bir çalışmaya gerek duyulmuştur.Bu çalışmanın çerçevesi,birkaç açıklığı ve çok katı içeren çerçeveler içinde meydana gelebilecek yukarıdaki sakıncaların mertebesi hakkında fikir vermektedir.Burada şunuda belirtmekte bir fayda vardır.Böyle bir inceleme düşey ve yatay yükler için Takabeya^(x) tarafından yapılmıştır.Bu çalışma ona paralel bir çalışma olup bu konudaki boşluğu doldurmak amacındadır.

(x) TAKABEYA, F. MEHRSTÖCKIGE RAHMEN, Berlin 1967

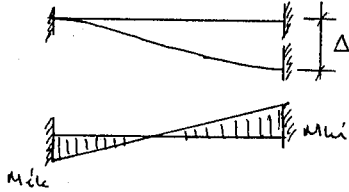
TEORİNİN BİLGİSAYARA UYARLANMASI:

İzahının basit olması ve bazı bileşenlerinin terk-edilebilmesi açısından, açı metodu tercih edilmiştir. (yatay deplasman, ısı etkisi, vb.)

Burada klasik açı metodu denklem takımları kullanılmıştır. Denklem takımlarının çıkartılması herhangi bir yapı statığı kitabından da takip edilebileceği için, denklem takımlarının son haliyle yazılması uygun görülmüştür.

$$\frac{4EJ}{L} \varphi_{ik} + \frac{2EJ}{L} \varphi_{ki} + \bar{u} = 0$$

denklemini her düğüm için bir defa yazılmıştır. İki ucu ankastre bir ik çubuğunun çökmesinden doğan ankastrelilik momentinin,



$$M_{ik} = M_{ki} = \frac{6 \cdot E \cdot J}{L^2} \cdot \Delta$$

olduğunu biliyoruz.

Kullanılan bilgisayar programının bir özelliği açı metodu denklem takımları otomatik olarak kurulmakta, ankastre momentler hesaplanarak yük matrisine yerleştirilmektedir. Denklem takımlarının simetrik ve bant olması özelliğinden de yararlanılarak Cholesky Metodu ile çözdürülmektedir.

Sonuçta da uç momentleri hesaplanarak sistemli bir şekilde yazdırılmaktadır. Tabloların oluşturulmasında yararlanılan ana programın bir listesi ek'te sunulmuştur.

TABLULARIN KULLANIMI :

Tablolar hazırlanırken pratikteki kullanımı gözönüne alınarak hazırlanmışlardır. Katsayılar 1 mm'lik bir çökme için tesbit edilmişlerdir. bmm'nin katları olan bir çökme mertebesi içinde kullanılabilirler. Tabloların en büyük özelliği, tek bir sabit çarpan ile iş yapmaktır. Bu sabit çarpan tm.cinsinden ankastrelik momentinin 1000'e oranıdır.

$$\bar{\mu} = \frac{6 \cdot E \cdot J \cdot \Delta}{L^2}$$

E: Elastisite modülü (t/m²)

J: Atalet momenti (m⁴)

L: Açıklık (m)

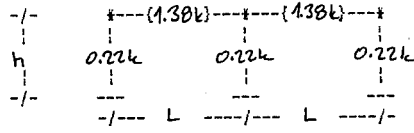
formülü ile ankastrelik momentini hesaplanır,

$$\bar{\mu}^* = \frac{\mu}{1000}$$

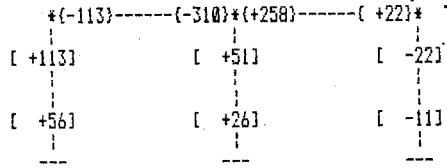
sabit çarpanı bulunur ve uçlardaki değerler ile çarpılırsa çıkan sonuçlar tm.cinsinden uç momentleridir.

Tablolar her ne kadar simetrik sistemler için hazırlanmışlarsa da açıklıkların çok farklı olmadığı durumlarda emniyetli yönde kalarak gerçek değerlere yakın sonuçlar vermektedirler. Yalnız dikkat edilmesi gereken bir nokta, ankastrelik momentlerinin büyüğü ile sabit çarpan hesaplanmalıdır.

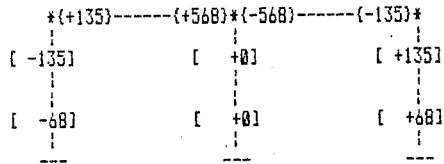
SİSTEM GEOMETRİK ÖZELLİKLERİ



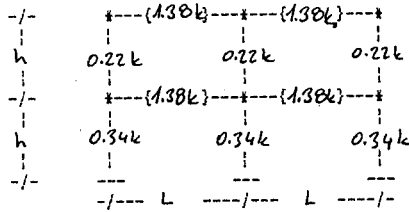
1 .inci kat 1 .inci kolonun cokmesi hali



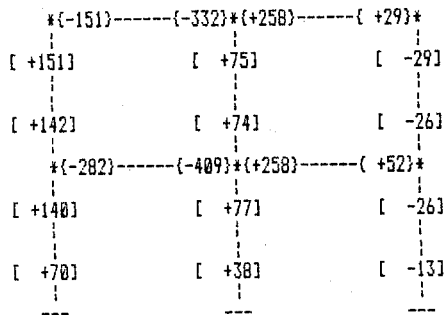
1 .inci kat 2 .inci kolonun cokmesi hali



SİSTEM GEOMETRİK ÖZELLİKLERİ



1 .inci kat 1 .inci kolonun cokmesi hali



1 .inci kat 2 .inci kolonun cokmesi hali

$$\begin{array}{r} * (+180) \text{-----} (+590) * (-590) \text{-----} (-180) * \\ \left[\begin{array}{c} -180 \\ -168 \\ -165 \\ -83 \end{array} \right] \quad \left[\begin{array}{c} -0 \\ -0 \\ -0 \\ -0 \end{array} \right] \quad \left[\begin{array}{c} +180 \\ +168 \\ +165 \\ +83 \end{array} \right] \end{array}$$

2 .inci kat 1 .inci kolonun cokmesi hali

$$\begin{array}{r} * (-110) \text{-----} (-308) * (+257) \text{-----} (+22) * \\ \left[\begin{array}{c} +110 \\ +51 \\ -10 \\ -5 \end{array} \right] \quad \left[\begin{array}{c} +51 \\ +25 \\ -1 \\ -1 \end{array} \right] \quad \left[\begin{array}{c} -22 \\ -10 \\ +2 \\ +1 \end{array} \right] \end{array}$$

2 .inci kat 2 .inci kolonun cokmesi hali

$$\begin{array}{r} * (+132) \text{-----} (+566) * (-566) \text{-----} (-132) * \\ \left[\begin{array}{c} -132 \\ -60 \\ +12 \\ +6 \end{array} \right] \quad \left[\begin{array}{c} -0 \\ -0 \\ +0 \\ +0 \end{array} \right] \quad \left[\begin{array}{c} +132 \\ +60 \\ -12 \\ -6 \end{array} \right] \end{array}$$

-/	*--(130k)--*	*--(130k)--*	*--(130k)--*
h	0,22k	0,22k	0,22k
-/	*--(130k)--*	*--(130k)--*	*--(130k)--*
h	0,34k	0,34k	0,34k
-/	*--(130k)--*	*--(130k)--*	*--(130k)--*
h	0,51k	0,51k	0,51k
-/	---	---	---
	-/--- L ---/	-/--- L ---/	-/--- L ---/

1 .inci kat 1 .inci kolonun cokmesi hali

	{(-149)}-----{-331}{(+257)}-----{-28}*	
[+149]	[+74]	[-28]
[+136]	[+72]	[-25]
	{(-326)}-----{-438}{(+255)}-----{-58}*	
[+190]	[+111]	[-33]
[+186]	[+109]	[-32]
	{(-367)}-----{-466}{(+249)}-----{-63}*	
[+181]	[+107]	[-31]
[+90]	[+54]	[-15]

1 .inci kat 2 .inci kolonun cokmesi hali

	{(+177)}-----{+588}{-588}-----{-177}*	
[-177]	[-0]	[+177]
[-161]	[+0]	[+161]
	{(+384)}-----{+692}{-692}-----{-384}*	
[-224]	[+0]	[+224]
[-218]	[+0]	[+218]
	{(+429)}-----{+715}{-715}-----{-429}*	
[-211]	[+0]	[+211]
[-106]	[+0]	[+106]

2 .inci kat 1 .inci kolonun cokmesi hali

$$\begin{array}{r} *(-152)-----(-333)*(+258)-----(+29)* \\ \left[\begin{array}{ccc} +152 & +75 & -29 \\ +142 & +74 & -27 \\ +136 & +76 & -24 \\ +60 & +36 & -10 \\ -15 & -3 & +4 \\ -8 & -2 & +2 \end{array} \right. \end{array}$$

2 .inci kat 2 .inci kolonun cokmesi hali

$$\begin{array}{r} *(+180)-----(-590)*(-590)-----(-180)* \\ \left[\begin{array}{ccc} -180 & -8 & +180 \\ -169 & +8 & +169 \\ -168 & +8 & +168 \\ -78 & +8 & +78 \\ +19 & -8 & -19 \\ +18 & -8 & -18 \end{array} \right. \end{array}$$

3 .inci kat 1 .inci kolonun cokmesi hali

$$\begin{array}{r} *(-110)-----(-388)*(+257)-----(+22)* \\ \left[\begin{array}{ccc} +110 & +51 & -22 \\ +51 & +25 & -10 \\ -9 & -1 & +2 \\ -4 & -1 & +1 \\ +1 & -8 & -8 \\ +1 & -8 & -8 \end{array} \right. \end{array}$$

3 .inci kat 2 .inci kolonun cokmesi hali

	{+132}-----{+566}{-566}-----{-132}* [-132] [-0] [+132]
	[-60] [-0] [+60]
	{+49}-----{+24}{-24}-----{-49}* [+12] [+0] [-12]
	[+5] [+0] [-5]
	{-4}-----{-2}{+2}-----{+4}* [-1] [+0] [+1]
	[-1] [+0] [+1]

SISTEM GEOMETRIK OZELLIKLERI

-/-	*---(1.38k)---*---(1.38k)---
h	0.22k 0.22k 0.22k
-/-	*---(1.38k)---*---(1.38k)---
h	0.34k 0.34k 0.34k
-/-	*---(1.38k)---*---(1.38k)---
h	0.51k 0.51k 0.51k
-/-	*---(1.38k)---*---(1.38k)---
h	0.73k 0.73k 0.73k
-/-	-/- L -/- L -/-

1 .inci kat 1 .inci kolonun cokmesi hali

	{-149}-----{-331}{+257}-----{+28}* [+149] [+74] [-28]
	[+136] [+72] [-25]
	{-322}-----{-436}{+254}-----{+57}* [+186] [+109] [-32]
	[+176] [+106] [-29]
	{-417}-----{-500}{+242}-----{+67}* [+241] [+152] [-38]
	[+235] [+150] [-37]
	{-453}-----{-526}{+235}-----{+70}* [+218] [+141] [-33]
	[+189] [+70] [-17]

1 .inci kat 2 .inci kolonun cokmesi hali

{+177}-----{+589}{-589}-----{-177}*		
[-177]	[-0]	[+177]
{+379}-----{+690}{-690}-----{-379}*		
[-161]	[-0]	[+161]
[-218]	[+0]	[+218]
[-205]	[+0]	[+205]
{+484}-----{+742}{-742}-----{-484}*		
[-279]	[+0]	[+279]
[-272]	[-0]	[+272]
{+523}-----{+762}{-762}-----{-523}*		
[-251]	[-0]	[+251]
[-126]	[-0]	[+126]
---	---	---

2 .inci kat 1 .inci kolonun cokmesi hali

{-149}-----{-331}{+257}-----{ +28}*		
[+149]	[+74]	[-28]
[+136]	[+72]	[-25]
{-327}-----{-438}{+255}-----{ +58}*		
[+191]	[+111]	[-33]
[+187]	[+109]	[-32]
{-362}-----{-463}{+248}-----{ +61}*		
[+174]	[+105]	[-29]
[+75]	[+49]	[-11]
{-51}-----{-35}{-7}-----{ +5}*		
[-24]	[-7]	[+6]
[-12]	[-3]	[+3]
---	---	---

2 .inci kat 2 .inci kolonun cokgesi hali

{+177}-----{+588}{-588}-----{-177}*		
[-177]	[-0]	[+177]
[-160]	[-0]	[+160]
{+385}-----{+692}{-692}-----{-385}*		
[-224]	[+0]	[+224]
[-220]	[+0]	[+220]
{+423}-----{+711}{-711}-----{-423}*		
[-203]	[+0]	[+203]
[-86]	[+0]	[+86]
{ +56}-----{ +28}{ -28}-----{ -56}*		
[+30]	[+0]	[-30]
[+15]	[+0]	[-15]

3 .inci kat 1 .inci kolonun cokmesi hali

{-152}-----{-333}{+258}-----{ +29}*		
[+152]	[+75]	[-29]
[+142]	[+74]	[-27]
{-278}-----{-407}{+258}-----{ +51}*		
[+136]	[+76]	[-24]
[+60]	[+36]	[-10]
{ -46}-----{ -29}{ -3}-----{ +6}*		
[-15]	[-3]	[+4]
[-6]	[-2]	[+2]
{ +4}-----{ +2}{ -0}-----{ -1}*		
[+2]	[+0]	[-1]
[+1]	[+0]	[-0]

3 .inci kat 2 .inci kolonun cokmesi hali

{+180}-----{+590}{-590}-----{-180}*		
[-180]	[-0]	[+180]
{+329}-----{+664}{-664}-----{-329}*		
[-169]	[+0]	[+169]
{+52}-----{+26}{-26}-----{-52}*		
[-160]	[+0]	[+160]
{-5}-----{-3}{+3}-----{+5}*		
[-70]	[+0]	[+70]
[+18]	[-0]	[-18]
[+8]	[-0]	[-8]
[-3]	[+0]	[+3]
[-1]	[+0]	[+1]

4 .inci kat 1 .inci kolonun cokmesi hali

{-110}-----{-308}{+257}-----{+22}*		
[+110]	[+51]	[-22]
{-41}-----{-24}{+0}-----{+7}*		
[+51]	[+25]	[-10]
[-9]	[-1]	[+2]
{+3}-----{+1}{-1}-----{-1}*		
[-4]	[-1]	[+1]
[+1]	[-0]	[-0]
[+0]	[-0]	[-0]
{-0}-----{-0}{+0}-----{+0}*		
[-0]	[+0]	[+0]
[-0]	[+0]	[+0]

4 .inci kat 2 .inci kolonun cokmesi hali

	{+132}-----{+566}{-566}-----{-132}* [-132]	[-0]	[+132]
	[-60]	[-0]	[+60]
	{ +49}-----{ +24}{ -24}-----{ -49}* [+12]	[+0]	[-12]
	[+5]	[+0]	[-5]
	{ -4}-----{ -2}{ +2}-----{ +4}* [-1]	[-0]	[+1]
	[-1]	[-0]	[+1]
	{ +0}-----{ +0}{ -0}-----{ -0}* [+0]	[+0]	[-0]
	[+0]	[+0]	[-0]
	---	---	---

SISTEM GEOMETRIK OZELLIKLERI

-/	*---(1.38k)---*---(1.38k)---*		
h	0.22k	0.22k	0.22k
-/	*---(1.38k)---*---(1.38k)---*		
h	0.34k	0.34k	0.34k
-/	*---(1.38k)---*---(1.38k)---*		
h	0.51k	0.51k	0.51k
-/	*---(1.38k)---*---(1.38k)---*		
h	0.73k	0.73k	0.73k
-/	*---(1.38k)---*---(1.38k)---*		
h	k	k	k
-/	---	---	---
	-/--- L ---/	-/--- L ---/	

1 .inci kat 1 .inci kolonun cokmesi hali

	(-149)-----(-331)(+257)-----(+28)*	
[+149]	[+74]	[-28]
[+136]	[+72]	[-25]
	(-323)-----(-436)(+254)-----(+57)*	
[+186]	[+109]	[-32]
[+177]	[+106]	[-30]
	(-412)-----(-497)(+242)-----(+66)*	
[+235]	[+149]	[-37]
[+228]	[+144]	[-33]
	(-506)-----(-565)(+225)-----(+73)*	
[+286]	[+196]	[-40]
[+280]	[+193]	[-39]
	(-532)-----(-585)(+217)-----(+73)*	
[+251]	[+174]	[-34]
[+126]	[+87]	[-17]
---	---	---

1 .inci kat 2 .inci kolonun cokmesi hali

	(+177)-----(+589)(-589)-----(-177)*	
[-177]	[-0]	[+177]
[-161]	[-0]	[+161]
	(+380)-----(+690)(-690)-----(-380)*	
[-219]	[-0]	[+219]
[-206]	[+0]	[+206]
	(+478)-----(+739)(-739)-----(-478)*	
[-271]	[+0]	[+271]
[-253]	[+0]	[+253]
	(+579)-----(+789)(-789)-----(-579)*	
[-326]	[+0]	[+326]
[-319]	[-0]	[+319]
	(+605)-----(+803)(-803)-----(-605)*	
[-286]	[-0]	[+286]
[-143]	[-0]	[+143]
---	---	---

2 .inci kat 1 .inci kolonun cokmesi hali

{-149}-----{-331}{+257}-----{ +28}*		
[+149]	[+74]	[-28]
[+136]	[+72]	[-25]
{-322}-----{-435}{+254}-----{ +57}*		
[+186]	[+189]	[-32]
[+176]	[+186]	[-29]
{-418}-----{-581}{+242}-----{ +68}*		
[+242]	[+152]	[-38]
[+238]	[+151]	[-37]
{-447}-----{-523}{+235}-----{ +69}*		
[+289]	[+137]	[-31]
[+87]	[+62]	[-11]
{-54}-----{-39}{-11}-----{ +3}*		
[-33]	[-12]	[+8]
[-16]	[-6]	[+4]
---	---	---

2 .inci kat 2 .inci kolonun cokmesi hali

{+177}-----{+589}{-589}-----{-177}*		
[-177]	[-0]	[+177]
[-161]	[-0]	[+161]
{+379}-----{+690}{-690}-----{-379}*		
[-218]	[-0]	[+218]
[-285]	[+0]	[+285]
{+485}-----{+743}{-743}-----{-485}*		
[-280]	[+0]	[+280]
[-275]	[+0]	[+275]
{+515}-----{+758}{-758}-----{-515}*		
[-241]	[+0]	[+241]
[-98]	[+0]	[+98]
{ +57}-----{ +28}{-28}-----{-57}*		
[+41]	[-0]	[-41]
[+21]	[-0]	[-21]
---	---	---

3 .inci kat 1 .inci kolonun cokmesi hali

	{-149}-----{-331}{+257}-----{+28}*	
[+149]	[+74]	[-28]
[+136]	[+72]	[-25]
	{-327}-----{-438}{+255}-----{+58}*	
[+191]	[+111]	[-33]
[+187]	[+109]	[-32]
	{-362}-----{-463}{+248}-----{+61}*	
[+174]	[+105]	[-29]
[+74]	[+49]	[-11]
	{-52}-----{-36}{-7}-----{+5}*	
[-23]	[-7]	[+6]
[-9]	[-3]	[+2]
	{+5}-----{+3}{-8}-----{-1}*	
[+4]	[+0]	[-1]
[+2]	[+0]	[-1]

3 .inci kat 2 .inci kolonun cokmesi hali

	{+177}-----{+588}{-588}-----{-177}*	
[-177]	[-0]	[+177]
[-160]	[-0]	[+160]
	{+385}-----{+692}{-692}-----{-385}*	
[-224]	[-0]	[+224]
[-220]	[+0]	[+220]
	{+423}-----{+711}{-711}-----{-423}*	
[-203]	[+0]	[+203]
[-86]	[+0]	[+86]
	{+57}-----{+29}{-29}-----{-57}*	
[+28]	[-0]	[-28]
[+12]	[-0]	[-12]
	{-7}-----{-3}{+3}-----{+7}*	
[-5]	[+0]	[+5]
[-2]	[+0]	[+2]

4 .inci kat 1 .inci kolonun cokwesi hali

	(-152)-----(-333)(+258)-----(+29)*	
[+152]	[+75]	[-29]
[+142]	[+74]	[-27]
	(-278)-----(-407)(+258)-----(+51)*	
[+136]	[+76]	[-24]
[+60]	[+36]	[-10]
	(-46)-----(-29)(-3)-----(+6)*	
[-15]	[-3]	[+4]
[-6]	[-2]	[+2]
	(+4)-----(+2)(-0)-----(-1)*	
[+2]	[+0]	[-1]
[+1]	[+0]	[-0]
	(-0)-----(-0)(+0)-----(+0)*	
[-0]	[+0]	[+0]
[-0]	[+0]	[+0]

4 .inci kat 2 .inci kolonun cokwesi hali

	(+180)-----(+590)(-590)-----(-180)*	
[-180]	[-0]	[+180]
[-169]	[-0]	[+169]
	(+329)-----(+664)(-664)-----(-329)*	
[-160]	[-0]	[+160]
[-70]	[-0]	[+70]
	(+52)-----(+26)(-26)-----(-52)*	
[+18]	[-0]	[-18]
[+8]	[+0]	[-8]
	(-5)-----(-3)(+3)-----(+5)*	
[-3]	[+0]	[+3]
[-1]	[+0]	[+1]
	(+1)-----(+0)(-0)-----(-1)*	
[+0]	[-0]	[-0]
[+0]	[-0]	[-0]

5 .inci kat 1 .inci kolonun cokmesi hali

	{-110}-----{-308}{+257}-----{+22}*		
[+110]	[+51]	[-22]	
[+51]	[+25]	[-10]	
	{-41}-----{-24}{+0}-----{+7}*		
[-9]	[-11]	[+2]	
[-4]	[-1]	[+1]	
	{+3}-----{+1}{-1}-----{-1}*		
[+1]	[-0]	[-0]	
[+0]	[-0]	[-0]	
	{-0}-----{-0}{+0}-----{+0}*		
[-0]	[+0]	[+0]	
[-0]	[+0]	[+0]	
	{+0}-----{+0}{-0}-----{-0}*		
[+0]	[-0]	[-0]	
[+0]	[-0]	[-0]	

5 .inci kat 2 .inci kolonun cokmesi hali

	{+132}-----{+566}{-566}-----{-132}*		
[-132]	[-0]	[+132]	
[-60]	[-0]	[+60]	
	{+49}-----{+24}{-24}-----{-49}*		
[+12]	[+0]	[-12]	
[+5]	[+0]	[-5]	
	{-4}-----{-2}{+2}-----{+4}*		
[-1]	[-0]	[+1]	
[-1]	[-0]	[+1]	
	{+0}-----{+0}{-0}-----{-0}*		
[+0]	[+0]	[-0]	
[+0]	[+0]	[-0]	
	{-0}-----{-0}{+0}-----{+0}*		
[-0]	[-0]	[+0]	
[-0]	[-0]	[+0]	

SİSTEM GEOMETRİK ÖZELLİKLERİ

-/	*--(1.38k)--*	*--(1.38k)--*	*--(1.38k)--*
h	0.22k	0.22k	0.22k
-/	*--(1.38k)--*	*--(1.38k)--*	*--(1.38k)--*
h	0.34k	0.34k	0.34k
-/	*--(1.38k)--*	*--(1.38k)--*	*--(1.38k)--*
h	0.51k	0.51k	0.51k
-/	*--(1.38k)--*	*--(1.38k)--*	*--(1.38k)--*
h	0.73k	0.73k	0.73k
-/	*--(1.38k)--*	*--(1.38k)--*	*--(1.38k)--*
h	k	k	k
-/	*--(1.38k)--*	*--(1.38k)--*	*--(1.38k)--*
h	1.33k	1.33k	1.33k
-/	-/--- L ---/	-/--- L ---/	-/--- L ---/

1 .inci kat 1 .inci kolonun cokmesi hali

(-149)-----(-331)(+257)-----(+28)*		
[+149]	[+74]	[-28]
(-323)-----(-436)(+254)-----(+57)*		
[+136]	[+72]	[-25]
(-412)-----(-498)(+242)-----(+66)*		
[+186]	[+109]	[-32]
(-500)-----(-561)(+225)-----(+72)*		
[+177]	[+106]	[-30]
(-585)-----(-626)(+204)-----(+74)*		
[+236]	[+150]	[-37]
(-601)-----(-640)(+197)-----(+72)*		
[+222]	[+145]	[-33]
[+278]	[+191]	[-38]
[+259]	[+184]	[-34]
[+325]	[+238]	[-40]
[+321]	[+236]	[-39]
[+281]	[+207]	[-34]
[+140]	[+103]	[-17]

1 inci kat 2 inci kolonun cokmesi hali

{+177}-----{+589}{-589}-----{-177}*		
[-177]	[-0]	[+177]
{+380}-----{+690}{-690}-----{-380}*		
[-161]	[+0]	[+161]
[-219]	[+0]	[+219]
[-206]	[+0]	[+206]
{+479}-----{+739}{-739}-----{-479}*		
[-272]	[-0]	[+272]
[-255]	[+0]	[+255]
{+571}-----{+786}{-786}-----{-571}*		
[-316]	[+0]	[+316]
[-293]	[+0]	[+293]
{+658}-----{+829}{-829}-----{-658}*		
[-365]	[-0]	[+365]
[-360]	[-0]	[+360]
{+674}-----{+837}{-837}-----{-674}*		
[-314]	[-0]	[+314]
[-157]	[-0]	[+157]

2 .inci kat 1 .inci kolonun cokmesi hali

	$*(-149)-----(-331)*(+257)-----(+28)*$	
[+149]	[+74]	[-28]
[+136]	[+72]	[-25]
	$*(-323)-----(-436)*(+254)-----(+57)*$	
[+187]	[+109]	[-32]
[+177]	[+106]	[-30]
	$*(-411)-----(-497)*(+242)-----(+66)*$	
[+235]	[+149]	[-37]
[+219]	[+144]	[-33]
	$*(-507)-----(-565)*(+225)-----(+73)*$	
[+287]	[+196]	[-41]
[+284]	[+194]	[-40]
	$*(-524)-----(-580)*(+218)-----(+72)*$	
[+240]	[+168]	[-32]
[+96]	[+74]	[-10]
	$*(-54)-----(-41)*(-14)-----(+1)*$	
[-43]	[-18]	[+10]
[-21]	[-9]	[+5]

2 .inci kat 2 .inci kolonun cokmesi hali

{+177}-----(+589)(-589)-----(-177)*		
[-177]	[-0]	[+177]
{+380}-----(+690)(-690)-----(-380)*		
[-219]	[+0]	[+219]
[-207]	[+0]	[+207]
{+478}-----(+739)(-739)-----(-478)*		
[-271]	[-0]	[+271]
[-252]	[+0]	[+252]
{+580}-----(+790)(-790)-----(-580)*		
[-328]	[+0]	[+328]
[-324]	[+0]	[+324]
{+596}-----(+798)(-798)-----(-596)*		
[-272]	[-0]	[+272]
[-107]	[-0]	[+107]
{ +54}-----{ +27}{ -27}-----{ -54}*		
[+52]	[+0]	[-52]
[+26]	[+0]	[-26]

3 .inci kat 1 .inci kolonun coknesi hali

	(-149)-----(-331)(+257)-----(+28)*	
[+149]	[+74]	[-28]
[+136]	[+72]	[-25]
	(-322)-----(-435)(+254)-----(+57)*	
[+186]	[+109]	[-32]
[+176]	[+106]	[-29]
	(-418)-----(-501)(+242)-----(+68)*	
[+242]	[+152]	[-38]
[+238]	[+151]	[-37]
	(-447)-----(-523)(+235)-----(+69)*	
[+209]	[+137]	[-31]
[+86]	[+62]	[-11]
	(-55)-----(-48)(-11)-----(+3)*	
[-31]	[-12]	[+8]
[-12]	[-5]	[+3]
	(+7)-----(+4)(+8)-----(-1)*	
[+6]	[+1]	[-2]
[+3]	[+0]	[-1]

3 .inci kat 2 .inci kolonun coknesi hali

{+177}-----{+589}{-589}-----{-177}*		
[-177]	[-0]	[+177]
{+379}-----{+690}{-690}-----{-379}*		
[-161]	[+0]	[+161]
{+379}-----{+690}{-690}-----{-379}*		
[-218]	[+0]	[+218]
{+485}-----{+743}{-743}-----{-485}*		
[-205]	[+0]	[+205]
{+485}-----{+743}{-743}-----{-485}*		
[-280]	[-0]	[+280]
{+515}-----{+758}{-758}-----{-515}*		
[-275]	[+0]	[+275]
{+515}-----{+758}{-758}-----{-515}*		
[-240]	[+0]	[+240]
{+58}-----{+29}{-29}-----{-58}*		
[-97]	[+0]	[+97]
{+58}-----{+29}{-29}-----{-58}*		
[+39]	[-0]	[-39]
{-8}-----{-4}{+4}-----{+8}*		
[+15]	[-0]	[-15]
{-8}-----{-4}{+4}-----{+8}*		
[-8]	[+0]	[+8]
{-8}-----{-4}{+4}-----{+8}*		
[-4]	[+0]	[+4]

4 .inci kat 1 .inci kolonun cokaesi hali

	(-149)-----(-331)(+257)-----(+28)*	
[+149]	[+74]	[-28]
[+136]	[+72]	[-25]
	(-327)-----(-438)(+255)-----(+58)*	
[+191]	[+111]	[-33]
[+187]	[+189]	[-32]
	(-362)-----(-463)(+248)-----(+61)*	
[+174]	[+105]	[-29]
[+74]	[+49]	[-11]
	(-52)-----(-36)(-7)-----(+5)*	
[-23]	[-7]	[+6]
[-9]	[-3]	[+2]
	(+6)-----(+3)(-8)-----(-1)*	
[+4]	[+0]	[-1]
[+1]	[+0]	[-0]
	(-1)-----(-8)(+0)-----(+8)*	
[-1]	[+0]	[+0]
[-0]	[+0]	[+0]

4 .inci kat 2 .inci kolonun cokmesi hali

	$*(+177)-----(+588)*(-588)-----(-177)*$	
[-177]	[-0]	[+177]
[-160]	[+0]	[+160]
	$*(+385)-----(+692)*(-692)-----(-385)*$	
[-224]	[+0]	[+224]
[-220]	[+0]	[+220]
	$*(+423)-----(+711)*(-711)-----(-423)*$	
[-203]	[-0]	[+203]
[-86]	[-0]	[+86]
	$*(+57)-----(+29)*(-29)-----(-57)*$	
[+28]	[-0]	[-28]
[+11]	[-0]	[-11]
	$*(-7)-----(-3)*(+3)-----(+7)*$	
[-5]	[+0]	[+5]
[-2]	[+0]	[+2]
	$*(+1)-----(+0)*(-0)-----(-1)*$	
[+1]	[-0]	[-1]
[+0]	[-0]	[-0]

5 .inci kat 1 .inci kolonun cokmesi hali

	$\ast(-152)-----(-333)\ast(+258)-----(+29)\ast$	
[+152]	[+75]	[-29]
[+142]	[+74]	[-27]
	$\ast(-278)-----(-407)\ast(+258)-----(+51)\ast$	
[+136]	[+76]	[-24]
[+68]	[+36]	[-18]
	$\ast(-46)-----(-29)\ast(-3)-----(+6)\ast$	
[-15]	[-3]	[+4]
[-6]	[-2]	[+2]
	$\ast(+4)-----(+2)\ast(-0)-----(-1)\ast$	
[+2]	[+0]	[-1]
[+1]	[+0]	[-0]
	$\ast(-0)-----(-0)\ast(+0)-----(+0)\ast$	
[-0]	[+0]	[+0]
[-0]	[+0]	[+0]
	$\ast(+0)-----(+0)\ast(-0)-----(-0)\ast$	
[+0]	[-0]	[-0]
[+0]	[-0]	[-0]

5 .inci kat 2 .inci kolonun cökmesi hali

	{+180}-----{+590}{-590}-----{-180}* [-180] [-0] [+180]
	[-169] [+0] [+169]
	{+329}-----{+664}{-664}-----{-329}* [-168] [+0] [+168]
	[-70] [+0] [+70]
	{+52}-----{+26}{-26}-----{-52}* [+18] [-0] [-18]
	[+8] [-0] [-8]
	{-5}-----{-3}{+3}-----{+5}* [-3] [+0] [+3]
	[-1] [+0] [+1]
	{+1}-----{+0}{-0}-----{-1}* [+0] [-0] [-0]
	[+0] [-0] [-0]
	{-0}-----{-0}{+0}-----{+0}* [-0] [+0] [+0]
	[-0] [+0] [+0]

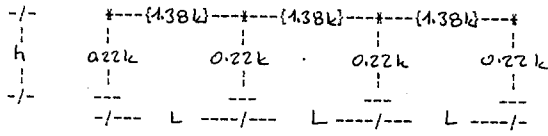
6 .inci kat 1 .inci kolonun cokmesi hali

$$\begin{array}{l} *(-110)-----(-300)*(+257)-----(+22)* \\ \left[\begin{array}{ccc} +110 & +51 & -22 \\ +51 & +25 & -10 \\ -9 & -1 & +2 \\ -4 & -1 & +1 \\ +1 & -0 & -0 \\ +0 & -0 & -0 \\ -0 & +0 & +0 \\ -0 & +0 & +0 \\ +0 & -0 & -0 \\ +0 & -0 & -0 \\ -0 & +0 & +0 \\ -0 & +0 & +0 \end{array} \right] \end{array}$$

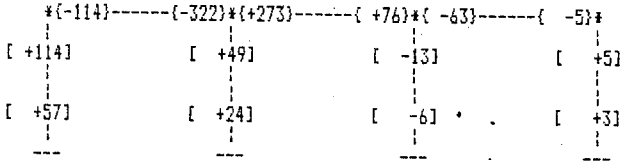
6 .inci kat 2 .inci kolonun cokaesi hali

	{+132}-----{+566}{-566}-----{-132}* [-132] [-0] [+132]
	[-60] [-0] [+60]
	{ +49}-----{ +24}{-24}-----{-49}* [+12] [-0] [-12]
	[+5] [-0] [-5]
	{ -4}-----{-2}{ +2}-----{ +4}* [-1] [-0] [+1]
	[-1] [-0] [+1]
	{ +0}-----{ +0}{-0}-----{-0}* [+0] [-0] [-0]
	[+0] [-0] [-0]
	{ -0}-----{-0}{ +0}-----{ +0}* [-0] [+0] [+0]
	[-0] [+0] [+0]
	{ +0}-----{ +0}{-0}-----{-0}* [+0] [-0] [-0]
	[+0] [-0] [-0]

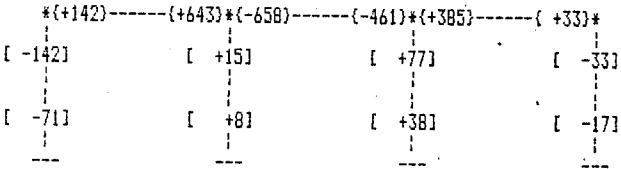
SISTEM GEOMETRİK ÖZELLİKLERİ



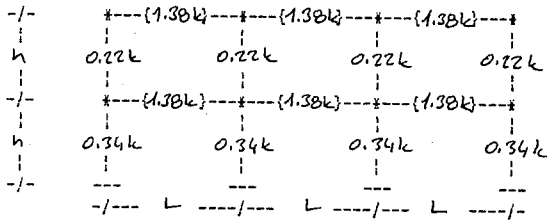
1 .inci kat 1 .inci kolonun cokmesi hali



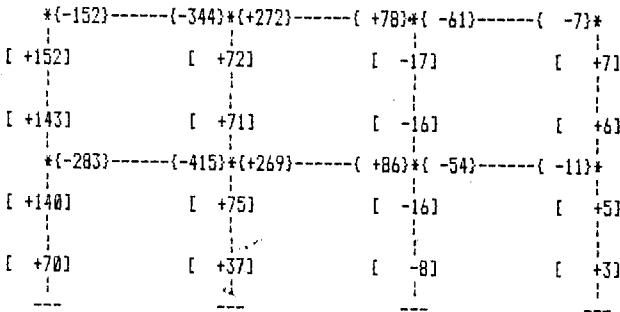
1 .inci kat 2 .inci kolonun cokmesi hali



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1 .inci kat 1 .inci kolonun cokmesi hali



1 .inci kat 2 .inci kolonun cokmesi hali

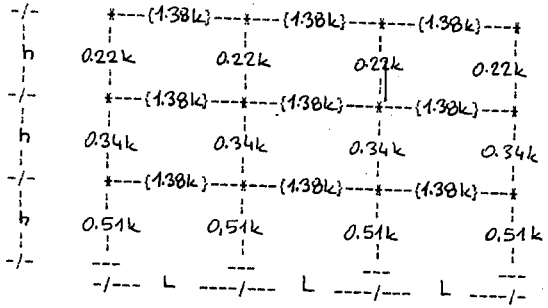
$*(+187)$	$-(+659)*(-676)$	$-(-483)*(+376)$	$(+41)*$
[-187]	[+18]	[+107]	[-41]
[-174]	[+15]	[+102]	[-37]
$*(+343)$	$-(+711)*(-739)$	$-(-556)*(+349)$	$(+71)*$
[-169]	[+13]	[+104]	[-34]
[-85]	[+6]	[+52]	[-17]

2 .inci kat 1 .inci kolonun cokmesi hali

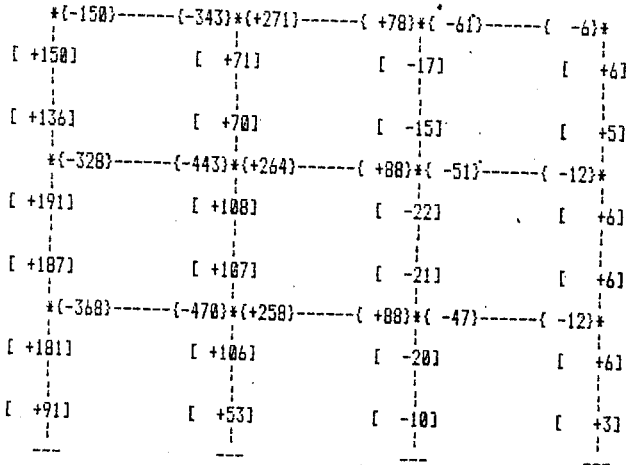
$*(-111)$	$-(-321)*(+272)$	$(+76)*(-63)$	$(-5)*$
[+111]	[+49]	[-12]	[+5]
[+51]	[+24]	[-6]	[+2]
$*(-41)$	$-(-23)*(-1)$	$(+3)*(+2)$	$(-1)*$
[-10]	[-1]	[+1]	[-1]
[-5]	[-0]	[+0]	[-0]

2 .inci kat 2 .inci kolonun cokmesi hali

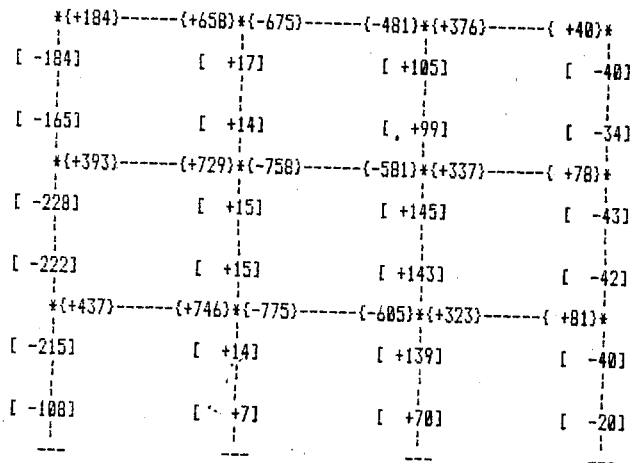
$*(+138)$	$-(+642)*(-657)$	$-(-460)*(+384)$	$(+32)*$
[-138]	[+14]	[+75]	[-32]
[-63]	[+6]	[+36]	[-14]
$*(+49)$	$(+16)*(-20)$	$(-23)*(-8)$	$(+9)*$
[+14]	[-3]	[-4]	[+4]
[+7]	[-1]	[-2]	[+2]



1 .inci kat 1 .inci kolonun cokmesi hali



1 .inci kat 2 .inci kolonun cokmesi hali



2 .inci kat 1 .inci kolonun cokmesi hali

(-153)-----(-344)(+272)-----(+78)*(-61)-----(- 7)*			
[+153] [+72] [-17] [+7]			
[+143] [+71] [-16] [+6]			
(-279)-----(-414)(+269)-----(+86)*(-54)-----(-11)*			
[+136] [+74] [-15] [+5]			
[+68] [+36] [-7] [+2]			
(-45)-----(-28)(-5)-----(+1)*(+3)-----(-1)*			
[-15] [-3] [+2] [-1]			
[-8] [-1] [+1] [-1]			

2 .inci kat 2 .inci kolonun cokmesi hali

(-188)-----(+659)(-676)-----(-483)*(+376)-----(+41)*			
[-188] [+18] [+107] [-41]			
[-174] [+15] [+103] [-37]			
(-338)-----(+789)(-737)-----(-554)*(+358)-----(+70)*			
[-164] [+12] [+101] [-33]			
[-72] [+4] [+47] [-13]			
(-51)-----(+19)(-20)-----(-26)*(-13)-----(+7)*			
[+21] [-3] [-8] [+6]			
[+18] [-2] [-4] [+3]			

3 .inci kat 1 .inci kolonun cokmesi hali

(-111)-----(-321)(+272)-----(+76)*(-63)-----(- 5)*			
[+111] [+49] [-12] [+5]			
[+51] [+24] [-6] [+2]			
(-41)-----(-23)(-1)-----(+3)*(+2)-----(-1)*			
[-10] [-1] [+1] [-1]			
[-4] [-0] [+0] [-0]			
(-3)-----(+1)(-1)-----(-0)*(-0)-----(+0)*			
[+1] [-0] [-0] [+0]			
[+1] [-0] [-0] [+0]			

3 .inci kat 2 .inci kolonun cokwesi hali

{+138}-----{+642}{-657}-----{-460}*{+384}-----{+32}*			
[-138]	[+14]	[+75]	[-32]
[-63]	[+6]	[+36]	[-14]
{+49}-----{+16}{-20}-----{-23}*{-8}-----{+10}*			
[+13]	[-3]	[-4]	[+4]
[+6]	[-1]	[-2]	[+2]
{-4}-----{-13}{+2}-----{+2}*{+0}-----{-1}*			
[-2]	[+0]	[+0]	[-1]
[-1]	[+0]	[+0]	[-0]

SISTEM GEOMETRIK ÖZELLİKLERİ

-/	*---(138k)---	*---(138k)---	*---(138k)---	*---
h	0,22k	0,22k	0,22k	0,22k
-/	*---(138k)---	*---(138k)---	*---(138k)---	*---
h	0,34k	0,34k	0,34k	0,34k
-/	*---(138k)---	*---(138k)---	*---(138k)---	*---
h	0,51k	0,51k	0,51k	0,51k
-/	*---(138k)---	*---(138k)---	*---(138k)---	*---
h	0,73k	0,73k	0,73k	0,73k
-/	-/--- L ---/---	-/--- L ---/---	-/--- L ---/---	-/---

1 .inci kat 1 .inci kolonun cokmesi hali

(-150)-----(-343)(+271)-----(-78)*(-61)-----(-6)*			
[+150]	[+71]	[-17]	[+6]
[+137]	[+70]	[-15]	[+5]
(-324)-----(-441)(+264)-----(-87)*(-51)-----(-12)*			
[+187]	[+107]	[-21]	[+6]
[+176]	[+104]	[-20]	[+5]
(-418)-----(-504)(+249)-----(-88)*(-42)-----(-12)*			
[+242]	[+150]	[-26]	[+7]
[+236]	[+148]	[-25]	[+6]
(-454)-----(-529)(+242)-----(-88)*(-39)-----(-12)*			
[+218]	[+139]	[-23]	[+6]
[+109]	[+70]	[-12]	[+3]

1 .inci kat 2 .inci kolonun cokmesi hali

(-184)-----(+658)(-675)-----(-481)*(+376)-----(+40)*			
[-184]	[+17]	[+105]	[-40]
[-166]	[+14]	[+99]	[-35]
(-388)-----(+728)(-756)-----(-579)*(+337)-----(+76)*			
[-222]	[+15]	[+142]	[-42]
[-208]	[+13]	[+137]	[-38]
(-491)-----(+767)(-795)-----(-634)*(+306)-----(+86)*			
[-283]	[+15]	[+192]	[-48]
[-275]	[+14]	[+188]	[-46]
(-538)-----(+783)(-810)-----(-656)*(+293)-----(+87)*			
[-254]	[+13]	[+175]	[-42]
[-127]	[+6]	[+88]	[-21]

3 .inci kat 1 .inci kolonun cokmesi hali

	{-153}-----{-344}{+272}-----{-78}*{-61}-----{-7}*		
[+153]	[+72]	[-17]	[+7]
[+143]	[+71]	[-16]	[+6]
	{-279}-----{-414}{+269}-----{-86}*{-54}-----{-11}*		
[+136]	[+74]	[-15]	[+5]
[+60]	[+36]	[-7]	[+2]
	{-46}-----{-28}{-5}-----{-1}*{+3}-----{-1}*		
[-15]	[-3]	[+2]	[-1]
[-6]	[-1]	[+1]	[-0]
	{+4}-----{-2}{-0}-----{-0}*{-0}-----{+0}*		
[+2]	[-0]	[-0]	[+0]
[+1]	[-0]	[-0]	[+0]

3 .inci kat 2 .inci kolonun cokmesi hali

	{+188}-----{+659}{-676}-----{-483}*{+376}-----{+41}*		
[-188]	[+18]	[+107]	[-41]
[-174]	[+15]	[+103]	[-37]
	{+338}-----{+709}{-737}-----{-554}*{+350}-----{+70}*		
[-164]	[+12]	[+101]	[-33]
[-71]	[+4]	[+47]	[-13]
	{+52}-----{-19}{-20}-----{-26}*{-13}-----{+7}*		
[+20]	[-3]	[-8]	[+6]
[+8]	[-1]	[-3]	[+2]
	{-5}-----{-2}{+2}-----{-2}*{+0}-----{-1}*		
[-3]	[+1]	[+1]	[-1]
[-2]	[+0]	[+0]	[-1]

4 .inci kat 1 .inci kolonun cokmesi hali

	(-111)-----(-321)(+272)-----(+76)*(-63)-----(-5)*		
[+111]	[+49]	[-12]	[+5]
[+51]	[+24]	[-6]	[+2]
	(-41)-----(-23)(-1)-----(+3)*(+2)-----(-1)*		
[-10]	[-1]	[+1]	[-1]
[-4]	[-0]	[+0]	[-0]
	(+3)-----(+1)(-1)-----(-0)*(+0)-----(+0)*		
[+1]	[-0]	[-0]	[+0]
[+0]	[-0]	[-0]	[+0]
	(-0)-----(-0)(+0)-----(+0)*(-0)-----(-0)*		
[-0]	[+0]	[-0]	[-0]
[-0]	[+0]	[-0]	[-0]

4 .inci kat 2 .inci kolonun cokmesi hali

	(+138)-----(+642)(-657)-----(-460)*(+384)-----(+32)*		
[-138]	[+14]	[+75]	[-32]
[-63]	[+6]	[+36]	[-14]
	(+49)-----(+16)(-20)-----(-23)*(-8)-----(+10)*		
[+13]	[-3]	[-4]	[+4]
[+6]	[-1]	[-2]	[+2]
	(-4)-----(-1)(+2)-----(+2)*(+0)-----(-1)*		
[-2]	[+0]	[+0]	[-1]
[-1]	[+0]	[+0]	[-0]
	(+0)-----(+0)(-0)-----(-0)*(+0)-----(+0)*		
[+0]	[-0]	[-0]	[+0]
[+0]	[-0]	[-0]	[+0]

SİSTEM GEOMETRİK ÖZELLİKLERİ

-/	*--(138k)---	*--(138k)---	*--(138k)---	*--(138k)---
h	0.22k	0.22k	0.22k	0.22k
-/	*--(138k)---	*--(138k)---	*--(138k)---	*--(138k)---
h	0.34k	0.34k	0.34k	0.34k
-/	*--(138k)---	*--(138k)---	*--(138k)---	*--(138k)---
h	0.51k	0.51k	0.51k	0.51k
-/	*--(138k)---	*--(138k)---	*--(138k)---	*--(138k)---
h	0.73k	0.73k	0.73k	0.73k
-/	*--(138k)---	*--(138k)---	*--(138k)---	*--(138k)---
h	k	k	k	k
-/	---	---	---	---
-/	--- L ---	--- L ---	--- L ---	--- L ---

1.inci kat 1.inci kolonun cokmesi hali

*(-150)---	*(-343)*(+271)---	*(+78)*(-61)---	*(-6)*
[+150]	[+71]	[-17]	[+6]
[+137]	[+70]	[-15]	[+5]
*(-324)---	*(-441)*(+264)---	*(+87)*(-51)---	*(-12)*
[+187]	[+107]	[-21]	[+6]
[+177]	[+104]	[-20]	[+5]
*(-413)---	*(-501)*(+249)---	*(+88)*(-43)---	*(-12)*
[+235]	[+147]	[-25]	[+6]
[+220]	[+143]	[-23]	[+5]
*(-507)---	*(-567)*(+230)---	*(+86)*(-34)---	*(-11)*
[+286]	[+194]	[-29]	[+6]
[+281]	[+192]	[-28]	[+6]
*(-532)---	*(-587)*(+222)---	*(+85)*(-31)---	*(-11)*
[+252]	[+173]	[-25]	[+5]
[+126]	[+87]	[-13]	[+2]

1 .inci kat 2 .inci kolonun cokmesi hali

	$*(+184)-----(-658)*(-675)-----(-481)*(+376)-----(-40)*$		
[-184]	[+17]	[+105]	[-48]
[-166]	[+14]	[+99]	[-35]
	$*(+389)-----(+728)*(-756)-----(-579)*(+337)-----(+77)*$		
[-223]	[+15]	[+143]	[-42]
[-210]	[+13]	[+137]	[-38]
	$*(+485)-----(+765)*(-793)-----(-631)*(+307)-----(+84)*$		
[-275]	[+14]	[+187]	[-46]
[-255]	[+12]	[+178]	[-41]
	$*(+584)-----(+805)*(-831)-----(-687)*(+272)-----(+89)*$		
[-329]	[+13]	[+237]	[-48]
[-322]	[+13]	[+233]	[-47]
	$*(+610)-----(+816)*(-840)-----(-703)*(+261)-----(+88)*$		
[-288]	[+11]	[+209]	[-41]
[-144]	[+6]	[+105]	[-21]

2 .inci kat 1 .inci kolonun cokmesi hali

	$*(-150)-----(-343)*(+271)-----(+78)*(-61)-----(-6)*$		
[+158]	[+71]	[-17]	[+6]
[+137]	[+70]	[-15]	[+5]
	$*(-324)-----(-441)*(+264)-----(+87)*(-51)-----(-12)*$		
[+187]	[+107]	[-21]	[+6]
[+176]	[+104]	[-19]	[+5]
	$*(-419)-----(-504)*(+249)-----(+88)*(-42)-----(-12)*$		
[+243]	[+150]	[-26]	[+7]
[+238]	[+149]	[-26]	[+6]
	$*(-448)-----(-526)*(+242)-----(+87)*(-39)-----(-11)*$		
[+210]	[+135]	[-22]	[+5]
[+87]	[+62]	[-8]	[+1]
	$*(-54)-----(-38)*(-12)-----(-1)*(+5)-----(+8)*$		
[-33]	[-11]	[+5]	[-2]
[-17]	[-6]	[+2]	[-1]

2 .inci kat 2 .inci kolonun cokmesi hali

	{+184}-----{-658}{-675}-----{-481}*{+376}-----{-40}*		
[-184]	[+17]	[+105]	[-40]
[-166]	[+14]	[+99]	[-35]
	{+388}-----{-728}{-756}-----{-579}*{+337}-----{-76}*		
[-222]	[+15]	[+142]	[-42]
[-208]	[+13]	[+137]	[-38]
	{+492}-----{-768}{-796}-----{-635}*{+306}-----{-86}*		
[-284]	[+15]	[+192]	[-48]
[-279]	[+15]	[+189]	[-47]
	{+522}-----{-780}{-807}-----{-652}*{+294}-----{-86}*		
[-243]	[+12]	[+169]	[-39]
[-98]	[+3]	[+73]	[-13]
	{+56}-----{-23}{-21}-----{-32}*{-21}-----{-2}*		
[+43]	[-5]	[-21]	[+12]
[+21]	[-2]	[-10]	[+6]

3 .inci kat 1 .inci kolonun cokmesi hali

	{-150}-----{-343}{+271}-----{-78}*{-61}-----{-6}*		
[+150]	[+71]	[-17]	[+6]
[+136]	[+70]	[-15]	[+5]
	{-328}-----{-443}{+265}-----{-68}*{-51}-----{-12}*		
[+192]	[+108]	[-22]	[+6]
[+188]	[+107]	[-21]	[+6]
	{-363}-----{-468}{+257}-----{-87}*{-47}-----{-12}*		
[+175]	[+103]	[-19]	[+5]
[+75]	[+49]	[-8]	[+2]
	{-52}-----{-34}{-8}-----{-8}*{+4}-----{-0}*		
[-23]	[-6]	[+3]	[-2]
[-9]	[-3]	[+1]	[-1]
	{+5}-----{-3}{-0}-----{-1}*{-0}-----{-0}*		
[+4]	[+0]	[-0]	[+0]
[+2]	[+0]	[-0]	[+0]

3 .inci kat 2 .inci kolonun cokmesi hali

	{+183}	-----	{-658}{-675}	-----	{-481}*{+376}	-----	{+40}*
[-183]		[+17]		[+185]		[-40]	
[-165]		[+14]		[+99]		[-34]	
	{+394}	-----	{+729}{-758}	-----	{-581}*{+337}	-----	{+78}*
[-229]		[+15]		[+145]		[-44]	
[-224]		[+15]		[+143]		[-42]	
	{+431}	-----	{+744}{-772}	-----	{-602}*{+324}	-----	{+80}*
[-207]		[+13]		[+135]		[-37]	
[-87]		[+4]		[+60]		[-14]	
	{+56}	-----	{+22}{-22}	-----	{-30}*{-17}	-----	{+5}*
[+30]		[-4]		[-13]		[+9]	
[+12]		[-1]		[-6]		[+3]	
	{-7}	-----	{-2}{+3}	-----	{+3}*{+1}	-----	{-1}*
[-5]		[+1]		[+2]		[-2]	
[-3]		[+1]		[+1]		[-1]	

4 .inci kat 1 .inci kolonun cokmesi hali

	{-153}	-----	{-344}{+272}	-----	{+78}*{-61}	-----	{-7}*
[+153]		[+72]		[-17]		[+7]	
[+143]		[+71]		[-16]		[+6]	
	{-279}	-----	{-414}{+269}	-----	{+86}*{-54}	-----	{-11}*
[+136]		[+74]		[-15]		[+5]	
[+60]		[+36]		[-7]		[+2]	
	{-46}	-----	{-28}{-5}	-----	{+1}*{+3}	-----	{-1}*
[-15]		[-3]		[+2]		[-1]	
[-6]		[-1]		[+1]		[-0]	
	{+4}	-----	{+2}{-0}	-----	{-0}*{-0}	-----	{+0}*
[+2]		[-0]		[-0]		[+0]	
[+1]		[-0]		[-0]		[+0]	
	{-0}	-----	{-0}{+0}	-----	{+0}*{-0}	-----	{-0}*
[-0]		[+0]		[+0]		[-0]	
[-0]		[+0]		[+0]		[-0]	

4 .inci kat 2 .inci kolonun cokmesi hali

{+188}-----{+659}{-676}-----{-483}*{+376}-----{+41}* [-188] [+18] [+187] [-41]	[-174] [+15] [+183] [-37]	*{+338}-----{+709}*{-737}-----{-554}*{+350}-----{+70}* [-164] [+12] [+101] [-33]	[-71] [+4] [+47] [-13]
{+52}-----{+19}{-20}-----{-26}*{-13}-----{+7}* [+20] [-3] [-8] [+6]	[+8] [-1] [-3] [+2]	*{-5}-----{-2}*{+2}-----{+2}*{+0}-----{-1}* [-3] [+1] [+1] [-1]	[-1] [+0] [+0] [-0]
{+1}-----{+0}{-0}-----{-0}*{+0}-----{+0}* [+1] [-0] [-0] [+0]	[+0] [-0] [-0] [+0]		

5 .inci kat 1 .inci kolonun cokmesi hali

{-111}-----{-321}{+272}-----{+76}*{-63}-----{-5}* [+111] [+49] [-12] [+5]	[+51] [+24] [-6] [+2]	*{-41}-----{-23}*{-1}-----{+3}*{+2}-----{-1}* [-10] [-1] [+1] [-1]	[-4] [-0] [+0] [-0]
{+3}-----{+1}{-1}-----{-0}*{+0}-----{+0}* [+1] [-0] [-0] [+0]	[+0] [-0] [-0] [+0]	*{-0}-----{-0}*{+0}-----{+0}*{-0}-----{-0}* [-0] [+0] [-0] [-0]	[-0] [+0] [+0] [-0]
{+0}-----{+0}{-0}-----{-0}*{+0}-----{+0}* [+0] [-0] [+0] [+0]	[+0] [-0] [+0] [+0]		

5 .inci kat 2 .inci kolonun cokmesi hali

	{+138}-----	{+642}{-657}-----	{-460}*{+384}-----	{+32}*
[-138]	[+141]	[+75]	[-32]	
[-63]	[+6]	[+36]	[-14]	
	{-49}-----	{+16}{-20}-----	{-23}*{-8}-----	{+10}*
[+13]	[-3]	[-4]	[+4]	
[+6]	[-1]	[-2]	[+2]	
	{-4}-----	{-1}{+2}-----	{+2}*{+0}-----	{-1}*
[-2]	[+0]	[+0]	[-1]	
[-1]	[+0]	[+0]	[-0]	
	{+0}-----	{+0}{-0}-----	{-0}*{+0}-----	{+0}*
[+0]	[-0]	[-0]	[+0]	
[+0]	[-0]	[-0]	[+0]	
	{-0}-----	{-0}{+0}-----	{+0}*{-0}-----	{-0}*
[-0]	[+0]	[+0]	[-0]	
[-0]	[+0]	[+0]	[-0]	

-/	*	{138k}	*	{138k}	*	{138k}	*
h	0.22k		0.22k		0.22k		0.22k
-/	*	{138k}	*	{138k}	*	{138k}	*
h	0.34k		0.34k		0.34k		0.34k
-/	*	{138k}	*	{138k}	*	{138k}	*
h	0.51k		0.51k		0.51k		0.51k
-/	*	{138k}	*	{138k}	*	{138k}	*
h	0.73k		0.73k		0.73k		0.73k
-/	*	{138k}	*	{138k}	*	{138k}	*
h	k		k		k		k
-/	*	{138k}	*	{138k}	*	{138k}	*
h	1.33k		1.33k		1.33k		1.33k
-/							
-/		L		L		L	

1 .inci kat 1 .inci kolonun cokmesi hali

*	{-150}	*	{-343}	*	{+271}	*	{+78}	*	{-61}	*	{-6}
[	+150]		[	+711]		[	-17]		[	+6]
[	+137]		[	+70]		[	-15]		[	+5]
*	{-324}	*	{-441}	*	{+264}	*	{+87}	*	{-51}	*	{-12}
[	+187]		[	+107]		[	-21]		[	+6]
[	+177]		[	+104]		[	-20]		[	+5]
*	{-413}	*	{-501}	*	{+249}	*	{+88}	*	{-43}	*	{-12}
[	+236]		[	+148]		[	-25]		[	+6]
[	+222]		[	+143]		[	-23]		[	+5]
*	{-500}	*	{-563}	*	{+230}	*	{+86}	*	{-35}	*	{-11}
[	+278]		[	+190]		[	-28]		[	+6]
[	+259]		[	+182]		[	-25]		[	+5]
*	{-585}	*	{-627}	*	{+207}	*	{+82}	*	{-26}	*	{-10}
[	+326]		[	+237]		[	-30]		[	+5]
[	+321]		[	+235]		[	-30]		[	+5]
*	{-602}	*	{-641}	*	{+200}	*	{+88}	*	{-25}	*	{-9}
[	+281]		[	+286]		[	-26]		[	+4]
[	+140]		[	+103]		[	-13]		[	+2]

1 .inci kat 2 .inci kolonun cokmesi hali

	{+184}-----{-658}{-675}-----{-481}*{+376}-----{-40}*		
[-184]	[+171	[+105]	[-40]
[-166]	[+141	[+99]	[-35]
	{+389}-----{-728}{-756}-----{-579}*{+337}-----{-76}*		
[-223]	[+151	[+143]	[-42]
[-210]	[+131	[+137]	[-38]
	{+486}-----{-766}{-793}-----{-632}*{+307}-----{-84}*		
[-276]	[+151	[+188]	[-46]
[-258]	[+131	[+179]	[-41]
	{+577}-----{-883}{-828}-----{-684}*{+274}-----{-88}*		
[-319]	[+131	[+230]	[-46]
[-295]	[+101	[+218]	[-40]
	{+662}-----{-839}{-860}-----{-735}*{+238}-----{-86}*		
[-367]	[+111	[+279]	[-46]
[-361]	[+111	[+275]	[-45]
	{+677}-----{-846}{-865}-----{-745}*{+238}-----{-84}*		
[-316]	[+91	[+241]	[-39]
[-158]	[+51	[+120]	[-20]

2 .inci kat 1 .inci kolonun cökmesi hali

(-150)-----(-343)(+271)-----(+78)*(-61)-----(-6)*			
[+158]	[+71]	[-17]	[+6]
[+137]	[+70]	[-15]	[+5]
(-324)-----(-441)(+264)-----(+87)*(-51)-----(-12)*			
[+187]	[+107]	[-21]	[+6]
[+177]	[+104]	[-20]	[+5]
(-412)-----(-501)(+249)-----(+88)*(-43)-----(-12)*			
[+235]	[+147]	[-25]	[+6]
[+220]	[+143]	[-23]	[+5]
(-588)-----(-567)(+230)-----(+87)*(-34)-----(-11)*			
[+288]	[+195]	[-29]	[+6]
[+284]	[+192]	[-29]	[+6]
(-525)-----(-582)(+223)-----(+84)*(-32)-----(-10)*			
[+241]	[+167]	[-24]	[+5]
[+96]	[+74]	[-8]	[+1]
(-54)-----(-41)(-15)-----(-3)*(+5)-----(+1)*			
[-43]	[-18]	[+6]	[-2]
[-21]	[-9]	[+3]	[-1]

2 .inci kat 2 .inci kolonun cokmesi hali

{+184}-----{-658}{-675}-----{-481}*{+376}-----{-400}*			
[-184]	[+171]	[+185]	[-401]
{+389}-----{-728}{-756}-----{-579}*{+337}-----{-477}*			
[-166]	[+141]	[+99]	[-351]
[-223]	[+151]	[+143]	[-421]
[-210]	[+131]	[+137]	[-381]
{+485}-----{-765}{-793}-----{-631}*{+307}-----{-484}*			
[-275]	[+141]	[+187]	[-461]
[-255]	[+121]	[+178]	[-401]
{+585}-----{-806}{-831}-----{-688}*{+272}-----{-489}*			
[-331]	[+131]	[+237]	[-491]
[-326]	[+131]	[+235]	[-481]
{+601}-----{-813}{-837}-----{-699}*{+263}-----{-487}*			
[-275]	[+101]	[+201]	[-381]
[-107]	[+21]	[+84]	[-121]
{+53}-----{-23}{-20}-----{-32}*{-23}-----{-13}*			
[+54]	[-51]	[-29]	[+131]
[+27]	[-21]	[-14]	[+71]

3 .inci kat 1 .inci kolonun cokmesi hali

(-150)-----(-343)(+271)-----(+70)*(-61)-----(-6)*			
[+150] [+71] [-17] [+6]			
(-324)-----(-441)(+264)-----(+87)*(-54)-----(-12)*			
[+137] [+70] [-15] [+5]			
[+187] [+107] [-21] [+6]			
[+176] [+104] [-19] [+5]			
(-419)-----(-504)(+249)-----(+88)*(-42)-----(-12)*			
[+243] [+150] [-26] [+7]			
[+238] [+149] [-26] [+6]			
(-447)-----(-526)(+242)-----(+87)*(-39)-----(-11)*			
[+289] [+135] [-22] [+5]			
[+86] [+62] [-8] [+1]			
(-55)-----(-39)(-12)-----(-1)*(+5)-----(+0)*			
[-32] [-11] [+4] [-2]			
[-12] [-5] [+2] [-1]			
(+7)-----(+4)(+0)-----(-0)*(-1)-----(+0)*			
[+6] [+1] [-1] [+1]			
[+3] [+0] [-0] [+0]			

3 .inci kat 2 .inci kolonun cokesi hali

$*(+184)$	$-----$	$(+658)*(-675)$	$-----$	$(-481)*(+376)$	$-----$	$(+40)*$
[-184]		[+17]		[+105]		[-40]
[-166]		[+14]		[+99]		[-35]
$*(+388)$	$-----$	$(+728)*(-756)$	$-----$	$(-579)*(+337)$	$-----$	$(+76)*$
[-222]		[+15]		[+142]		[-42]
[-208]		[+13]		[+137]		[-38]
$*(+492)$	$-----$	$(+768)*(-796)$	$-----$	$(-635)*(+306)$	$-----$	$(+86)*$
[-284]		[+15]		[+192]		[-40]
[-279]		[+15]		[+189]		[-47]
$*(+522)$	$-----$	$(+780)*(-807)$	$-----$	$(-652)*(+294)$	$-----$	$(+86)*$
[-243]		[+12]		[+169]		[-39]
[-98]		[+3]		[+73]		[-13]
$*(+57)$	$-----$	$(+23)*(-22)$	$-----$	$(-32)*(-21)$	$-----$	$(+2)*$
[+41]		[-5]		[-20]		[+11]
[+16]		[-2]		[-8]		[+4]
$*(-8)$	$-----$	$(-3)*(+3)$	$-----$	$(+4)*(+2)$	$-----$	$(-1)*$
[-8]		[+1]		[+3]		[-3]
[-4]		[+1]		[+1]		[-1]

4 .inci kat 1 .inci kolonun cokaesi hali

	(-150)-----(-343)(+271)-----(+78)*(-61)-----(-6)*		
[+150]	[+71]	[-17]	[+6]
[+136]	[+70]	[-15]	[+5]
	(-328)-----(-443)(+265)-----(+88)*(-54)-----(-12)*		
[+192]	[+108]	[-22]	[+6]
[+188]	[+107]	[-21]	[+6]
	(-363)-----(-460)(+257)-----(+87)*(-47)-----(-12)*		
[+175]	[+103]	[-19]	[+5]
[+75]	[+49]	[-8]	[+2]
	(-52)-----(-34)(-8)-----(+8)*(+4)-----(-0)*		
[-23]	[-6]	[+3]	[-2]
[-9]	[-3]	[+1]	[-1]
	(+6)-----(+3)(-0)-----(-1)*(-0)-----(+0)*		
[+4]	[+0]	[-0]	[+0]
[+1]	[+0]	[-0]	[+0]
	(-1)-----(-0)(+0)-----(+0)*(+0)-----(-0)*		
[-1]	[+0]	[+0]	[-0]
[-0]	[+0]	[+0]	[-0]

4 .inci kat 2 .inci kolonun cokaesi hali

	{+183}-----{+658}{-675}-----{-481}*{+376}-----{ +40}*		
[-183]	[+17]	[+105]	[-40]
[-165]	[+14]	[+99]	[-34]
	{+394}-----{+729}{-758}-----{-581}*{+337}-----{ +78}*		
[-229]	[+15]	[+145]	[-44]
[-224]	[+15]	[+143]	[-42]
	{+431}-----{+744}{-772}-----{-602}*{+324}-----{ +80}*		
[-207]	[+13]	[+135]	[-37]
[-87]	[+4]	[+60]	[-14]
	{ +56}-----{ +22}{-22}-----{-30}*{-17}-----{ +5}*		
[+30]	[-4]	[-13]	[+9]
[+12]	[-1]	[-6]	[+3]
	{ -7}-----{-2}{ +3}-----{-3}*{ +1}-----{-2}*		
[-5]	[+1]	[+2]	[-2]
[-2]	[+0]	[+1]	[-1]
	{ +1}-----{ +0}{-0}-----{-0}*{-0}-----{ +0}*		
[+1]	[-0]	[-0]	[+0]
[+1]	[-0]	[-0]	[+0]

5 .inci kat 1 .inci kolonun cokmesi hali

	(-153)-----(-344)(+272)-----(+78)*(-61)-----(-7)*		
[+153]	[+72]	[-17]	[+7]
[+143]	[+71]	[-16]	[+6]
	(-279)-----(-414)(+269)-----(+86)*(-54)-----(-11)*		
[+136]	[+74]	[-15]	[+5]
[+68]	[+36]	[-7]	[+2]
	(-46)-----(-28)(-5)-----(+1)*(+3)-----(-1)*		
[-15]	[-3]	[+2]	[-1]
[-6]	[-1]	[+1]	[-0]
	(+4)-----(+2)(-0)-----(-0)*(-0)-----(+0)*		
[+2]	[-0]	[-0]	[+0]
[+1]	[-0]	[-0]	[+0]
	(-0)-----(-0)(+0)-----(+0)*(-0)-----(-0)*		
[-0]	[+0]	[+0]	[-0]
[-0]	[+0]	[+0]	[-0]
	(+0)-----(+0)(-0)-----(-0)*(+0)-----(+0)*		
[+0]	[-0]	[-0]	[+0]
[+0]	[-0]	[-0]	[+0]

5 .inci kat 2 .inci kolonun cokmesi hali

$\ast(+188)$	$-----(+659)$	$\ast(-676)$	$-----(-483)$	$\ast(+376)$	$-----(+41)$	\ast
[-188]	[+181]	[+107]	[-41]			
[-174]	[+15]	[+183]	[-37]			
$\ast(+338)$	$-----(+709)$	$\ast(-737)$	$-----(-554)$	$\ast(+350)$	$-----(+70)$	\ast
[-164]	[+12]	[+101]	[-33]			
[-71]	[+4]	[+47]	[-13]			
$\ast(+52)$	$-----(+19)$	$\ast(-20)$	$-----(-26)$	$\ast(-13)$	$-----(+7)$	\ast
[+20]	[-3]	[-8]	[+6]			
[+8]	[-1]	[-3]	[+2]			
$\ast(-5)$	$-----(-2)$	$\ast(+2)$	$-----(+2)$	$\ast(+0)$	$-----(-1)$	\ast
[-3]	[+1]	[+1]	[-1]			
[-1]	[+0]	[+0]	[-0]			
$\ast(+1)$	$-----(+0)$	$\ast(-0)$	$-----(-0)$	$\ast(+0)$	$-----(+0)$	\ast
[+1]	[-0]	[-0]	[+0]			
[+0]	[-0]	[-0]	[+0]			
$\ast(-0)$	$-----(-0)$	$\ast(+0)$	$-----(+0)$	$\ast(-0)$	$-----(-0)$	\ast
[-0]	[+0]	[+0]	[-0]			
[-0]	[+0]	[+0]	[-0]			

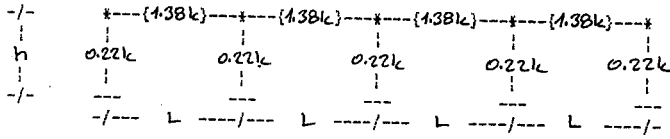
6 .inci kat 1 .inci kolonun cokmesi hali

	(-111)-----(-321)(+272)-----(+76)*(-63)-----(-5)*		
[+111]	[+49]	[-12]	[+5]
[+51]	[+24]	[-6]	[+2]
	(-41)-----(-23)(-1)-----(+3)*(+2)-----(-1)*		
[-10]	[-1]	[+1]	[-1]
[-4]	[-0]	[+0]	[-0]
	(+3)-----(+1)(-1)-----(-0)*(+0)-----(+0)*		
[+1]	[-0]	[-0]	[+0]
[+0]	[-0]	[-0]	[+0]
	(-0)-----(-0)(+0)-----(+0)*(-0)-----(-0)*		
[-0]	[+0]	[-0]	[-0]
[-0]	[+0]	[+0]	[-0]
	(+0)-----(+0)(-0)-----(-0)*(+0)-----(+0)*		
[+0]	[-0]	[+0]	[+0]
[+0]	[-0]	[+0]	[+0]
	(-0)-----(-0)(+0)-----(+0)*(-0)-----(-0)*		
[-0]	[+0]	[-0]	[-0]
[-0]	[+0]	[-0]	[-0]

6 .inci kat 2 .inci kolonun cokmesi hali

	$\ast(+138)$	$-(+642)$	$\ast(-657)$	$-(+460)$	$\ast(+384)$	$-(+32)$	\ast
[-138]	[+14]			[+75]		[-32]	
[-63]	[+6]			[+36]		[-14]	
	$\ast(+49)$	$-(+16)$	$\ast(-20)$	$-(+23)$	$\ast(-8)$	$-(+10)$	\ast
[+13]	[-3]			[-4]		[+4]	
[+6]	[-1]			[-2]		[+2]	
	$\ast(-4)$	$-(+1)$	$\ast(+2)$	$-(+2)$	$\ast(+0)$	$-(+1)$	\ast
[-2]	[+0]			[+0]		[-1]	
[-1]	[+0]			[+0]		[-0]	
	$\ast(+0)$	$-(+0)$	$\ast(-0)$	$-(+0)$	$\ast(+0)$	$-(+0)$	\ast
[+0]	[-0]			[-0]		[+0]	
[+0]	[-0]			[-0]		[+0]	
	$\ast(-0)$	$-(+0)$	$\ast(+0)$	$-(+0)$	$\ast(-0)$	$-(+0)$	\ast
[-0]	[+0]			[+0]		[-0]	
[-0]	[+0]			[+0]		[-0]	
	$\ast(+0)$	$-(+0)$	$\ast(-0)$	$-(+0)$	$\ast(+0)$	$-(+0)$	\ast
[+0]	[-0]			[-0]		[+0]	
[+0]	[-0]			[-0]		[+0]	

SİSTEM GEOMETRİK ÖZELLİKLERİ



1 .inci kat 1 .inci kolonun cokmesi hali

(-114)	-----	(-323)(+274)	-----	(+79)*(-67)	-----	(-19)*(+16)	-----	(+1)*
[+114]		[+49]		[-12]		[+3]		[-1]
[+57]		[+24]		[-6]		[+2]		[-1]

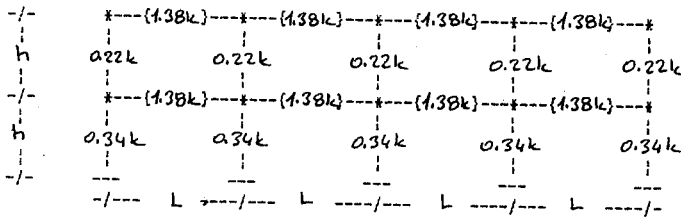
1 .inci kat 2 .inci kolonun cokmesi hali

(+142)	-----	(+648)(-664)	-----	(-481)*(+400)	-----	(+113)*(-95)	-----	(-8)*
[-142]		[+16]		[+73]		[-19]		[+8]
[-71]		[+8]		[+37]		[-9]		[+4]

1 .inci kat 3 .inci kolonun cokmesi hali

(-35)	-----	(-404)(+405)	-----	(+742)*(-742)	-----	(-485)*(+404)	-----	(+35)*
[+35]		[-81]		[+0]		[+81]		[-35]
[+17]		[-40]		[+0]		[+40]		[-17]

SİSTEM GEOMETRİK ÖZELLİKLERİ



1 .inci kat 1 .inci kolonun cokmesi hali

(-153)	-----	(-344)(+272)	-----	(+81)*(-65)	-----	(-18)*(+15)	-----	(+2)*
[+153]		[+72]		[-16]		[+4]		[-2]
[+143]		[+71]		[-16]		[+4]		[-1]
(-283)	-----	(-416)(+270)	-----	(+88)*(-56)	-----	(-18)*(+11)	-----	(+2)*
[+141]		[+75]		[-16]		[+3]		[-1]
[+78]		[+37]		[-8]		[+2]		[-1]

1 .inci kat 2 .inci kolonun cokmesi hali

	{+188}-----	{+663}{-681}-----	{-500}*{+397}-----	{+114}*{-90}-----	{-103}*-----
[-188]	[+19]	[+103]	[-24]	[+10]	
[-174]	[+16]	[+99]	[-22]	[+8]	
	{+344}-----	{+713}{-742}-----	{-565}*{+364}-----	{+117}*{-73}-----	{-15}*-----
[-170]	[+13]	[+101]	[-22]	[+7]	
[-85]	[+7]	[+51]	[-11]	[+4]	

1 .inci kat 3 .inci kolonun cokaesi hali

	{-43}-----	{-393}{+504}-----	{+752}*{-752}-----	{-504}*{+393}-----	{+43}*-----
[+43]	[-111]	[-0]	[+111]	[-43]	
[+38]	[-106]	[-0]	[+106]	[-38]	
	{-73}-----	{-359}{+571}-----	{+785}*{-785}-----	{-571}*{+359}-----	{+73}*-----
[+35]	[-106]	[-0]	[+106]	[-35]	
[+18]	[-53]	[-0]	[+53]	[-18]	

2 .inci kat 1 .inci kolonun cokmesi hali

	{-111}-----	{-322}{+273}-----	{+79}*{-67}-----	{-19}*{+16}-----	{+13}*-----
[+111]	[+49]	[-12]	[+3]	[-1]	
[+51]	[+24]	[-5]	[+1]	[-1]	
	{-41}-----	{-22}{-1}-----	{+2}*{+3}-----	{+0}*{-1}-----	{+0}*-----
[-10]	[-1]	[+1]	[-0]	[+0]	
[-5]	[-0]	[+0]	[-0]	[+0]	

2 .inci kat 2 .inci kolonun cokmesi hali

	{+138}-----	{+647}{-662}-----	{-480}*{+408}-----	{+113}*{-95}-----	{-8}*-----
[-138]	[+15]	[+72]	[-18]	[+8]	
[-63]	[+6]	[+34]	[-8]	[+3]	
	{+49}-----	{+16}{-19}-----	{-20}*{-10}-----	{+1}*{+5}-----	{-2}*-----
[+14]	[-3]	[-4]	[+2]	[-1]	
[+7]	[-1]	[-2]	[+1]	[-1]	

2 .inci kat 3 .inci kolonun cokmesi hali

	(-34)-----(-404)(+483)-----(+742)*(-742)-----(-483)*(+404)-----(+34)*			
[+34]	[-79]	[-0]	[+79]	[-34]
[+14]	[-37]	[-0]	[+37]	[-14]
	(-9)-----(+11)(+21)-----(+10)*(-10)-----(-21)*(-11)-----(+9)*			
[-5]	[+5]	[+0]	[-5]	[+5]
[-2]	[+3]	[+0]	[-3]	[+2]

SISTEM GEOMETRIK OZELLIKLERI

-/-	*-----(-1.30k)-----(-1.30k)-----(-1.30k)-----(-1.30k)-----*				
h	0.22k	0.22k	0.22k	0.22k	0.22k
-/-	*-----(-1.30k)-----(-1.30k)-----(-1.30k)-----(-1.30k)-----*				
h	0.34k	0.34k	0.34k	0.34k	0.34k
-/-	*-----(-1.30k)-----(-1.30k)-----(-1.30k)-----(-1.30k)-----*				
h	0.51k	0.51k	0.51k	0.51k	0.51k
-/-	----- L ----- L ----- L ----- L ----- L ----- L -----				

1 .inci kat 1 .inci kolonun cokmesi hali

	(-150)-----(-343)(+272)-----(+81)*(-65)-----(-18)*(+15)-----(+1)*			
[+150]	[+71]	[-16]	[+4]	[-1]
[+136]	[+70]	[-15]	[+3]	[-1]
	(-328)-----(-443)(+265)-----(+89)*(-53)-----(-17)*(+10)-----(+2)*			
[+191]	[+100]	[-21]	[+4]	[-1]
[+107]	[+107]	[-21]	[+4]	[-1]
	(-368)-----(-470)(+250)-----(+89)*(-48)-----(-17)*(+9)-----(+2)*			
[+101]	[+105]	[-20]	[+4]	[-1]
[+91]	[+53]	[-10]	[+2]	[-1]

1 .inci kat 2 .inci kolonun cokmesi hali

$\ast\{+184\}$	$\{+662\}\ast\{-688\}$	$\{-499\}\ast\{+398\}$	$\{+114\}\ast\{-98\}$	$\{-9\}\ast$
[-184]	[+18]	[+101]	[-24]	[+9]
[-166]	[+14]	[+96]	[-21]	[+7]
$\ast\{+394\}$	$\{+730\}\ast\{-761\}$	$\{-589\}\ast\{+358\}$	$\{+116\}\ast\{-67\}$	$\{-16\}\ast$
[-228]	[+16]	[+142]	[-28]	[+8]
[-222]	[+15]	[+140]	[-27]	[+8]
$\ast\{+438\}$	$\{+748\}\ast\{-777\}$	$\{-611\}\ast\{+334\}$	$\{+114\}\ast\{-61\}$	$\{-15\}\ast$
[-215]	[+14]	[+137]	[-26]	[+7]
[-108]	[+7]	[+68]	[-13]	[+4]

1 .inci kat 3 .inci kolonun cokmesi hali

$\ast\{-42\}$	$\{-394\}\ast\{+503\}$	$\{+752\}\ast\{-752\}$	$\{-503\}\ast\{+394\}$	$\{+42\}\ast$
[+42]	[-109]	[+0]	[+109]	[-42]
[+35]	[-102]	[-0]	[+102]	[-35]
$\ast\{-88\}$	$\{-344\}\ast\{+594\}$	$\{+797\}\ast\{-797\}$	$\{-594\}\ast\{+344\}$	$\{+88\}\ast$
[+44]	[-148]	[-0]	[+148]	[-44]
[+42]	[-145]	[+0]	[+145]	[-42]
$\ast\{-83\}$	$\{-329\}\ast\{+616\}$	$\{+808\}\ast\{-808\}$	$\{-616\}\ast\{+329\}$	$\{+83\}\ast$
[+40]	[-142]	[+0]	[+142]	[-40]
[+20]	[-71]	[+0]	[+71]	[-20]

2 .inci kat 1 .inci kolonun cokmesi hali

$\ast(-153)$	$-(344)$	$\ast(+273)$	$-(+81)$	$\ast(-65)$	$-(18)$	$\ast(+15)$	$-(+2)$
[+153]	[+72]	[-16]	[+4]	[-2]			
[+143]	[+71]	[-16]	[+4]	[-1]			
$\ast(-279)$	$-(414)$	$\ast(+269)$	$-(+87)$	$\ast(-56)$	$-(18)$	$\ast(+11)$	$-(+2)$
[+136]	[+74]	[-15]	[+3]	[-1]			
[+68]	[+36]	[-7]	[+1]	[-0]			
$\ast(-45)$	$-(28)$	$\ast(-5)$	$-(+1)$	$\ast(+4)$	$-(+1)$	$\ast(-1)$	$-(+0)$
[-15]	[-3]	[+2]	[-1]	[+0]			
[-8]	[-1]	[+1]	[-0]	[+0]			

2 .inci kat 2 .inci kolonun cokmesi hali

$\ast(+188)$	$-(663)$	$\ast(-681)$	$-(500)$	$\ast(+397)$	$-(114)$	$\ast(-89)$	$-(10)$
[-188]	[+19]	[+103]	[-25]	[+10]			
[-175]	[+16]	[+99]	[-23]	[+8]			
$\ast(+339)$	$-(711)$	$\ast(-740)$	$-(563)$	$\ast(+365)$	$-(117)$	$\ast(-73)$	$-(15)$
[-164]	[+13]	[+99]	[-21]	[+7]			
[-72]	[+5]	[+46]	[-9]	[+2]			
$\ast(+51)$	$-(18)$	$\ast(-19)$	$-(24)$	$\ast(-15)$	$-(1)$	$\ast(+6)$	$-(1)$
[+21]	[-4]	[-7]	[+3]	[-2]			
[+18]	[-2]	[-4]	[+2]	[-1]			

2 .inci kat 3 .inci kolonun cokmesi hali

(-43)-----(-393)(+504)-----(+752)*(-752)-----(-504)*(+393)-----(+43)*				
[+43]	[-111]	[+01	[+111]	[-43]
[+38]	[-106]	[-01	[+106]	[-38]
(-72)-----(-359)(+569)-----(+785)*(-785)-----(-569)*(+359)-----(+72)*				
[+33]	[-104]	[-01	[+104]	[-33]
[+13]	[-48]	[-01	[+48]	[-13]
(-6)-----(+15)(-24)-----(+12)*(-12)-----(-24)*(-15)-----(+6)*				
[-7]	[+9]	[-01	[-9]	[+7]
[-3]	[+4]	[-01	[-4]	[+3]

3 .inci kat 1 .inci kolonun cokmesi hali

(-111)-----(-322)(+273)-----(+793)*(-67)-----(-19)*(+16)-----(+1)*				
[+111]	[+49]	[-12]	[+3]	[-11]
[+51]	[+24]	[-5]	[+1]	[-11]
(-41)-----(-23)(-1)-----(+2)*(+3)-----(+0)*(-1)-----(+0)*				
[-10]	[-1]	[+1]	[-0]	[+0]
[-4]	[-0]	[+0]	[-0]	[+0]
(+3)-----(+1)(-1)-----(-0)*(-0)-----(+0)*(+0)-----(-0)*				
[+1]	[-0]	[-0]	[+0]	[-0]
[+1]	[-0]	[-0]	[+0]	[-0]

3 .inci kat 2 .inci kolonun cokmesi hali

{+138}-----(+647){-662}-----(-480)*{+408}-----(+113)*{-95}-----(-8)*				
[-138]	[+15]	[+72]	[-18]	[+8]
[-63] [+6] [+34] [-8] [+3]				
{+50}-----(+16){-19}-----(-20)*{-10}-----(+13)*{+5}-----(-2)*				
[+13]	[-3]	[-4]	[+2]	[-1]
[+6]	[-1]	[-2]	[+1]	[-1]
{-4}-----(-1){+2}-----(+1)*{+0}-----(-0)*{-0}-----(+0)*				
[-2]	[+1]	[+0]	[-0]	[+0]
[-1]	[+0]	[+0]	[-0]	[+0]

3 .inci kat 3 .inci kolonun cokmesi hali

{-34}-----(-404){+483}-----(+742)*{-742}-----(-483)*{+404}-----(+34)*				
[+34]	[-79]	[+0]	[+79]	[-34]
[+14]	[-37]	[+0]	[+37]	[-14]
{-10}-----(+11){+21}-----(+11)*{-11}-----(-21)*{-11}-----(+10)*				
[-5]	[+5]	[-0]	[-5]	[+5]
[-2]	[+2]	[-0]	[-2]	[+2]
{+1}-----(-0){-1}-----(-1)*{+1}-----(+1)*{+0}-----(-1)*				
[+1]	[-1]	[+0]	[+1]	[-1]
[+0]	[-0]	[+0]	[+0]	[-0]

SİSTEM GEOMETRİK ÖZELLİKLERİ

-/	*	-(138k)	-(138k)	-(138k)	-(138k)	*
h	0.22k	0.22k	0.22k	0.22k	0.22k	
-/	*	-(138k)	-(138k)	-(138k)	-(138k)	*
h	0.34k	0.34k	0.34k	0.34k	0.34k	
-/	*	-(138k)	-(138k)	-(138k)	-(138k)	*
h	0.51k	0.51k	0.51k	0.51k	0.51k	
-/	*	-(138k)	-(138k)	-(138k)	-(138k)	*
h	0.73k	0.73k	0.73k	0.73k	0.73k	
-/	-/	L	-/	L	-/	L

1.inci kat 1.inci kolonun cokaesi hali

(-150)	-(343)(+272)	(+81)*(-65)	(-18)*(+15)	(+1)*
[+150]	[+71]	[-16]	[+4]	[-1]
[+137]	[+78]	[-15]	[+3]	[-1]
(-324)	-(441)(+265)	(+88)*(-53)	(-17)*(+10)	(+2)*
[+187]	[+107]	[-21]	[+4]	[-1]
[+176]	[+104]	[-19]	[+4]	[-1]
(-418)	-(584)(+249)	(+89)*(-44)	(-15)*(+7)	(+2)*
[+242]	[+150]	[-26]	[+4]	[-1]
[+236]	[+148]	[-25]	[+4]	[-1]
(-454)	-(529)(+242)	(+88)*(-40)	(-15)*(+6)	(+2)*
[+218]	[+139]	[-23]	[+4]	[-1]
[+189]	[+70]	[-12]	[+2]	[-0]

1 .inci kat 2 .inci kolonun cokmesi hali

	{+184}-----{+662}{-680}-----{-499}*{+398}-----{+114}*{-98}-----{-9}*			
[-184]	[+18]	[+181]	[-24]	[+9]
[-166]	[+14]	[+96]	[-21]	[+7]
	{+389}-----{+729}{-759}-----{-587}*{+351}-----{+116}*{-67}-----{-15}*			
[-222]	[+15]	[+140]	[-27]	[+8]
[-209]	[+13]	[+134]	[-25]	[+7]
	{+492}-----{+768}{-797}-----{-639}*{+316}-----{+112}*{-54}-----{-15}*			
[-283]	[+16]	[+189]	[-33]	[+8]
[-276]	[+15]	[+186]	[-32]	[+8]
	{+530}-----{+784}{-811}-----{-659}*{+301}-----{+109}*{-48}-----{-15}*			
[-254]	[+13]	[+173]	[-29]	[+7]
[-127]	[+7]	[+87]	[-14]	[+3]

1 .inci kat 3 .inci kolonun cokmesi hali

	{-42}-----{-394}{+583}-----{+752}*{-752}-----{-583}*{+394}-----{+42}*			
[+42]	[-189]	[+8]	[+189]	[-42]
[+36]	[-182]	[+8]	[+182]	[-36]
	{-78}-----{-345}{+593}-----{+796}*{-796}-----{-593}*{+345}-----{+78}*			
[+42]	[-145]	[+8]	[+145]	[-42]
[+38]	[-139]	[+8]	[+139]	[-38]
	{-87}-----{-311}{+644}-----{+822}*{-822}-----{-644}*{+311}-----{+87}*			
[+49]	[-194]	[+8]	[+194]	[-49]
[+46]	[-190]	[+8]	[+190]	[-46]
	{-88}-----{-296}{+664}-----{+832}*{-832}-----{-664}*{+296}-----{+88}*			
[+42]	[-177]	[+8]	[+177]	[-42]
[+21]	[-89]	[+8]	[+89]	[-21]

2 .inci kat 1 .inci kolonun cokmesi hali

	(-150)-----(-343)(+272)-----(+81)*(-65)-----(-18)*(+15)-----(+1)*			
[+150]	[+71]	[-16]	[+4]	[-1]
[+136]	[+70]	[-15]	[+3]	[-1]
	(-320)-----(-443)(+265)-----(+89)*(-53)-----(-17)*(+10)-----(+2)*			
[+192]	[+100]	[-21]	[+4]	[-1]
[+188]	[+107]	[-21]	[+4]	[-1]
	(-363)-----(-468)(+258)-----(+88)*(-49)-----(-17)*(+9)-----(+2)*			
[+175]	[+103]	[-19]	[+4]	[-1]
[+75]	[+40]	[-8]	[+1]	[-0]
	(-51)-----(-34)(-8)-----(+8)*(+5)-----(+1)*(-1)-----(-0)*			
[-24]	[-6]	[+3]	[-1]	[+0]
[-12]	[-3]	[+2]	[-0]	[+0]

2 .inci kat 2 .inci kolonun cokmesi hali

	(+184)-----(+662)(-680)-----(-499)*(+398)-----(+114)*(-90)-----(-9)*			
[-184]	[+101]	[+101]	[-24]	[+9]
[-166]	[+14]	[+96]	[-21]	[+7]
	(+394)-----(+731)(-761)-----(-589)*(+350)-----(+116)*(-67)-----(-16)*			
[-229]	[+16]	[+143]	[-28]	[+8]
[-224]	[+15]	[+140]	[-28]	[+8]
	(+431)-----(+746)(-774)-----(-609)*(+335)-----(+114)*(-61)-----(-15)*			
[-207]	[+13]	[+133]	[-25]	[+7]
[-87]	[+4]	[+60]	[-10]	[+2]
	(+55)-----(+21)(-21)-----(-28)*(-19)-----(-2)*(+7)-----(+0)*			
[+32]	[-5]	[-13]	[+5]	[-2]
[+16]	[-2]	[-6]	[+3]	[-1]

2 .inci kat 3 .inci kolonun cokmesi hali

{ -42}-----{-394}{+503}-----{+752}*{-752}-----{-503}*{+394}-----{ +42}*				
[+42]	[-109]	[+0]	[+109]	[-42]
{ -80}-----{-344}{+595}-----{+797}*{-797}-----{-595}*{+344}-----{ +80}*				
[+35]	[-102]	[+0]	[+102]	[-35]
[+44]	[-148]	[+0]	[+148]	[-44]
[+43]	[-146]	[-0]	[+146]	[-43]
{ -81}-----{-330}{+614}-----{+807}*{-807}-----{-614}*{+330}-----{ +81}*				
[+38]	[-138]	[-0]	[+138]	[-38]
[+14]	[-61]	[-0]	[+61]	[-14]
{ -4}-----{ +19}{ +28}-----{ +14}*{-14}-----{ -28}*{-19}-----{ +4}*				
[-10]	[+15]	[+0]	[-15]	[+10]
[-5]	[+7]	[+0]	[-7]	[+5]

3 .inci kat 1 .inci kolonun cokmesi hali

{-153}-----{-344}{+273}-----{ +81}*{-65}-----{ -10}*{ +15}-----{ +2}*				
[+153]	[+72]	[-16]	[+4]	[-2]
[+143]	[+71]	[-16]	[+4]	[-1]
{-279}-----{-414}{+269}-----{ +87}*{-56}-----{ -18}*{ +11}-----{ +2}*				
[+136]	[+74]	[-15]	[+3]	[-1]
[+60]	[+36]	[-7]	[+1]	[-0]
{-46}-----{-28}{-5}-----{ +1}*{ +4}-----{ +1}*{-1}-----{ +0}*				
[-15]	[-3]	[+2]	[-1]	[+0]
[-6]	[-11]	[+1]	[-0]	[+0]
{ +4}-----{ +2}{-0}-----{ -0}*{-0}-----{ +0}*{ +0}-----{ -0}*				
[+2]	[-0]	[-0]	[+0]	[-0]
[+1]	[-0]	[-0]	[+0]	[-0]

3 .inci kat 2 .inci kolonun cokmesi hali

$*(+188)$	$-----$	$(+663)*(-681)$	$-----$	$(-500)*(+397)$	$-----$	$(+114)*(-89)$	$-----$	$(-10)**$
[-188]		[+19]		[+1031]		[-25]		[+101]
[-175]		[+16]		[+99]		[-23]		[+8]
$*(+339)$	$-----$	$(+711)*(-740)$	$-----$	$(-563)*(+365)$	$-----$	$(+117)*(-73)$	$-----$	$(-15)**$
[-164]		[+13]		[+99]		[-21]		[+7]
[-71]		[+4]		[+46]		[-9]		[+2]
$*(+52)$	$-----$	$(+18)*(-19)$	$-----$	$(-24)*(-15)$	$-----$	$(-1)*(+6)$	$-----$	$(-1)**$
[+20]		[-3]		[-7]		[+3]		[-2]
[+8]		[-1]		[-3]		[+1]		[-1]
$*(-5)$	$-----$	$(-1)*(+2)$	$-----$	$(+2)*(+1)$	$-----$	$(-0)*(-1)$	$-----$	$(+0)**$
[-3]		[+1]		[+1]		[-0]		[+0]
[-2]		[+0]		[+0]		[-0]		[+0]

3 .inci kat 3 .inci kolonun cokmesi hali

$*(-43)$	$-----$	$(-393)*(+504)$	$-----$	$(+752)*(-752)$	$-----$	$(-504)*(+393)$	$-----$	$(+43)**$
[+43]		[-111]		[+0]		[+111]		[-43]
[+38]		[-106]		[+0]		[+106]		[-38]
$*(-72)$	$-----$	$(-359)*(+569)$	$-----$	$(+785)*(-785)$	$-----$	$(-569)*(+359)$	$-----$	$(+72)**$
[+33]		[-104]		[+0]		[+104]		[-33]
[+13]		[-47]		[+0]		[+47]		[-13]
$*(-7)$	$-----$	$(+15)*(+24)$	$-----$	$(+12)*(-12)$	$-----$	$(-24)*(-15)$	$-----$	$(+7)**$
[-7]		[+9]		[+0]		[-9]		[+7]
[-3]		[+4]		[+0]		[-4]		[+3]
$*(+1)$	$-----$	$(-1)*(-2)$	$-----$	$(-1)*(+1)$	$-----$	$(+2)*(+1)$	$-----$	$(-1)**$
[+1]		[-1]		[-0]		[+1]		[-1]
[+1]		[-1]		[-0]		[+1]		[-1]

4 .inci kat 1 .inci kolonun cokmesi hali

	(-111)-----(-322)(+273)-----(+79)*(-67)-----(-19)*(+16)-----(+1)*			
[+111]	[+49]	[-12]	[+3]	[-1]
[+51]	[+24]	[-5]	[+1]	[-1]
	(-41)-----(-23)(-1)-----(+2)*(+3)-----(+0)*(-1)-----(+0)*			
[-10]	[-1]	[+1]	[-0]	[+0]
[-4]	[-0]	[+0]	[-0]	[+0]
	(+3)-----(+1)(-1)-----(-0)*(-0)-----(+0)*(+0)-----(-0)*			
[+1]	[-0]	[-0]	[+0]	[-0]
[+0]	[-0]	[-0]	[+0]	[-0]
	(-0)-----(-0)(+0)-----(+0)*(-0)-----(-0)*(-0)-----(+0)*			
[-0]	[+0]	[-0]	[-0]	[+0]
[-0]	[+0]	[-0]	[-0]	[+0]

4 .inci kat 2 .inci kolonun cokmesi hali

	(+138)-----(+647)(-662)-----(-480)*(+480)-----(+113)*(-95)-----(-8)*			
[-138]	[+15]	[+72]	[-18]	[+8]
[-63]	[+6]	[+34]	[-8]	[+3]
	(+50)-----(+16)(-19)-----(-20)*(-10)-----(+1)*(+5)-----(-2)*			
[+13]	[-3]	[-4]	[+2]	[-1]
[+6]	[-1]	[-2]	[+1]	[-1]
	(-4)-----(-1)(+2)-----(+1)*(+0)-----(-0)*(-0)-----(+0)*			
[-2]	[+0]	[+0]	[-0]	[+0]
[-1]	[+0]	[+0]	[-0]	[+0]
	(+0)-----(+0)(-0)-----(-0)*(+0)-----(+0)*(+0)-----(-0)*			
[+0]	[-0]	[-0]	[+0]	[-0]
[+0]	[-0]	[-0]	[+0]	[-0]

4 .inci kat 3 .inci kolonun cokmesi hali

$\ast(-34)$	$(-404)\ast(+483)$	$(+742)\ast(-742)$	$(-483)\ast(+404)$	$(+34)\ast$
[+34]	[-79]	[+0]	[+79]	[-34]
[+14]	[-37]	[+0]	[+37]	[-14]
$\ast(-10)$	$(+11)\ast(+21)$	$(+11)\ast(-11)$	$(-21)\ast(-11)$	$(+10)\ast$
[-5]	[+5]	[-0]	[-5]	[+5]
[-2]	[+2]	[-0]	[-2]	[+2]
$\ast(+1)$	$(-0)\ast(-1)$	$(-1)\ast(+1)$	$(+1)\ast(+0)$	$(-1)\ast$
[+1]	[-0]	[-0]	[+0]	[-1]
[+0]	[-0]	[-0]	[+0]	[-0]
$\ast(-0)$	$(+0)\ast(+0)$	$(+0)\ast(-0)$	$(-0)\ast(-0)$	$(+0)\ast$
[-0]	[+0]	[+0]	[-0]	[+0]
[-0]	[+0]	[+0]	[-0]	[+0]

-/-	*--(1.38k)--*	*--(1.38k)--*	*--(1.38k)--*	*--(1.38k)--*	*--(1.38k)--*
h	0.22k	0.22k	0.22k	0.22k	0.22k
-/-	*--(1.38k)--*	*--(1.38k)--*	*--(1.38k)--*	*--(1.38k)--*	*--(1.38k)--*
h	0.34k	0.34k	0.34k	0.34k	0.34k
-/-	*--(1.38k)--*	*--(1.38k)--*	*--(1.38k)--*	*--(1.38k)--*	*--(1.38k)--*
h	0.51k	0.51k	0.51k	0.51k	0.51k
-/-	*--(1.38k)--*	*--(1.38k)--*	*--(1.38k)--*	*--(1.38k)--*	*--(1.38k)--*
h	0.73k	0.73k	0.73k	0.73k	0.73k
-/-	*--(1.38k)--*	*--(1.38k)--*	*--(1.38k)--*	*--(1.38k)--*	*--(1.38k)--*
h	k	k	k	k	k
-/-	-/- L -/-	-/- L -/-	-/- L -/-	-/- L -/-	-/- L -/-

1.inci kat 1.inci kolonun cokmesi hali

(-150)	-(343)(+272)	(+81)*(-65)	(-18)*(+15)	(+1)*
[+150]	[+71]	[-16]	[+4]	[-1]
[+137]	[+78]	[-15]	[+3]	[-1]
(-324)	-(442)(+265)	(+88)*(-53)	(-17)*(+10)	(+2)*
[+187]	[+187]	[-21]	[+4]	[-1]
[+177]	[+184]	[-19]	[+4]	[-1]
(-413)	-(581)(+249)	(+88)*(-44)	(-16)*(+8)	(+2)*
[+235]	[+147]	[-25]	[+4]	[-1]
[+220]	[+143]	[-23]	[+4]	[-1]
(-587)	-(567)(+238)	(+87)*(-35)	(-13)*(+5)	(+2)*
[+286]	[+194]	[-29]	[+4]	[-1]
[+281]	[+192]	[-28]	[+4]	[-1]
(-532)	-(587)(+222)	(+85)*(-32)	(-12)*(+5)	(+2)*
[+252]	[+173]	[-25]	[+4]	[-1]
[+126]	[+87]	[-12]	[+2]	[-0]

1 .inci kat 2 .inci kolonun cokmesi hali

	{+184}	-----	{+662}{-680}	-----	{-499}*{+398}	-----	{+114}*{-90}	-----	{-9}	*
[-184]	[+18]		[+181]		[-24]		[+9]			
[-166]	[+14]		[+96]		[-21]		[+7]			
	{+389}	-----	{+729}{-759}	-----	{-587}*{+350}	-----	{+116}*{-67}	-----	{-15}	*
[-223]	[+15]		[+140]		[-27]		[+8]			
[-210]	[+13]		[+135]		[-25]		[+7]			
	{+485}	-----	{+766}{-795}	-----	{-636}*{+317}	-----	{+111}*{-54}	-----	{-15}	*
[-275]	[+15]		[+185]		[-32]		[+8]			
[-255]	[+12]		[+176]		[-29]		[+7]			
	{+584}	-----	{+806}{-831}	-----	{-690}*{+279}	-----	{+105}*{-41}	-----	{-14}	*
[-329]	[+14]		[+235]		[-35]		[+7]			
[-322]	[+13]		[+231]		[-34]		[+7]			
	{+610}	-----	{+817}{-841}	-----	{-705}*{+266}	-----	{+102}*{-38}	-----	{-13}	*
[-288]	[+11]		[+208]		[-30]		[+6]			
[-144]	[+6]		[+104]		[-15]		[+3]			

1 .inci kat 3 .inci kolonun cokmesi hali

	{-42}	-----	{-394}{+503}	-----	{+752}*{-752}	-----	{-503}*{+394}	-----	{+42}	*
[+42]	[-189]		[+0]		[+189]		[-42]			
[+36]	[-102]		[+0]		[+102]		[-36]			
	{-78}	-----	{-345}{+593}	-----	{+796}*{-796}	-----	{-593}*{+345}	-----	{+78}	*
[+43]	[-146]		[+0]		[+146]		[-43]			
[+39]	[-140]		[+0]		[+140]		[-39]			
	{-85}	-----	{-312}{+641}	-----	{+821}*{-821}	-----	{-641}*{+312}	-----	{+85}	*
[+47]	[-190]		[-0]		[+190]		[-47]			
[+41]	[-180]		[+0]		[+180]		[-41]			
	{-90}	-----	{-275}{+693}	-----	{+847}*{-847}	-----	{-693}*{+275}	-----	{+90}	*
[+49]	[-239]		[-0]		[+239]		[-49]			
[+47]	[-235]		[-0]		[+235]		[-47]			
	{-88}	-----	{-263}{+708}	-----	{+854}*{-854}	-----	{-708}*{+263}	-----	{+88}	*
[+41]	[-211]		[-0]		[+211]		[-41]			
[+21]	[-105]		[-0]		[+105]		[-21]			

2 .inci kat 1 .inci kolonun cokmesi hali

(-150)	-----(-343)(+272)	-----(+81)*(-65)	-----(-18)*(+15)	-----(+1)*
[+150]	[+71]	[-16]	[+4]	[-1]
[+137]	[+70]	[-15]	[+3]	[-1]
(-324)	-----(-441)(+265)	-----(+88)*(-53)	-----(-17)*(+10)	-----(+2)*
[+187]	[+107]	[-21]	[+4]	[-1]
[+176]	[+104]	[-19]	[+4]	[-1]
(-419)	-----(-504)(+250)	-----(+89)*(-44)	-----(-16)*(+7)	-----(+2)*
[+243]	[+150]	[-26]	[+5]	[-1]
[+238]	[+148]	[-25]	[+4]	[-1]
(-448)	-----(-526)(+242)	-----(+88)*(-41)	-----(-15)*(+7)	-----(+2)*
[+210]	[+135]	[-22]	[+4]	[-1]
[+87]	[+62]	[-8]	[+1]	[-0]
(-54)	-----(-38)(-12)	-----(-1)*(+5)	-----(+1)*(-1)	-----(-0)*
[-33]	[-11]	[+4]	[-1]	[+0]
[-17]	[-6]	[+2]	[-1]	[+0]

2 .inci kat 2 .inci kolonun cokmesi hali

(+184)	-----(+662)(-688)	-----(-499)*(+398)	-----(+114)*(-98)	-----(-9)*
[-184]	[+18]	[+101]	[-24]	[+9]
[-166]	[+14]	[+96]	[-21]	[+7]
(+389)	-----(+729)(-759)	-----(-587)*(+351)	-----(+116)*(-67)	-----(-15)*
[-222]	[+15]	[+140]	[-27]	[+8]
[-208]	[+13]	[+134]	[-25]	[+7]
(+493)	-----(+768)(-797)	-----(-639)*(+315)	-----(+112)*(-54)	-----(-15)*
[-284]	[+16]	[+189]	[-33]	[+8]
[-279]	[+15]	[+187]	[-32]	[+8]
(+522)	-----(+781)(-808)	-----(-656)*(+302)	-----(+109)*(-49)	-----(-14)*
[-243]	[+12]	[+167]	[-27]	[+6]
[-98]	[+3]	[+73]	[-10]	[+2]
(+56)	-----(+22)(-21)	-----(-31)*(-23)	-----(-4)*(+7)	-----(+1)*
[+43]	[-5]	[-20]	[+7]	[-3]
[+21]	[-3]	[-10]	[+3]	[-1]

2 .inci kat 3 .inci kolonun cokmesi hali

	(-42)-----(-394)(+503)-----(+752)*(-752)-----(-503)*(+394)-----(+42)*			
[+42]	[-1091	[+0]	[+1091	[-42]
[+36]	[-102]	[+0]	[+102]	[-36]
	(-78)-----(-345)(+592)-----(+796)*(-796)-----(-592)*(+345)-----(+78)*			
[+42]	[-145]	[+0]	[+145]	[-42]
[+38]	[-139]	[+0]	[+139]	[-38]
	(-87)-----(-311)(+644)-----(+822)*(-822)-----(-644)*(+311)-----(+87)*			
[+49]	[-195]	[-0]	[+195]	[-49]
[+48]	[-192]	[-0]	[+192]	[-48]
	(-87)-----(-298)(+661)-----(+830)*(-830)-----(-661)*(+298)-----(+87)*			
[+39]	[-171]	[+0]	[+171]	[-39]
[+13]	[-74]	[+0]	[+74]	[-13]
	(-1)-----(+22)(-30)-----(+15)*(-15)-----(-30)*(-22)-----(+1)*			
[-12]	[+22]	[+0]	[-22]	[+12]
[-6]	[+11]	[+0]	[-11]	[+6]

3 .inci kat 1 .inci kolonun cokmesi hali

	(-150)-----(-343)(+272)-----(+81)*(-65)-----(-18)*(+15)-----(+1)*			
[+150]	[+71]	[-16]	[+4]	[-1]
[+136]	[+70]	[-15]	[+3]	[-1]
	(-328)-----(-443)(+265)-----(+89)*(-53)-----(-17)*(+10)-----(+2)*			
[+192]	[+108]	[-21]	[+4]	[-1]
[+188]	[+107]	[-21]	[+4]	[-1]
	(-363)-----(-468)(+258)-----(+88)*(-49)-----(-17)*(+9)-----(+2)*			
[+175]	[+103]	[-19]	[+4]	[-1]
[+75]	[+49]	[-8]	[+1]	[-0]
	(-52)-----(-34)(-8)-----(+0)*(+5)-----(+1)*(-1)-----(-0)*			
[-23]	[-6]	[+3]	[-1]	[+0]
[-9]	[-3]	[+1]	[-0]	[+0]
	(+5)-----(+3)(-0)-----(-0)*(-0)-----(-0)*(+0)-----(-0)*			
[+4]	[+0]	[-0]	[+0]	[-0]
[+2]	[+0]	[-0]	[+0]	[-0]

	{+184}-----{-662}{-680}-----{-499}*{+398}-----{+114}*{-90}-----{-9}*			
[-184]	[+18]	[+181]	[-24]	[+9]
[-166]	[+14]	[+96]	[-21]	[+7]
	{+394}-----{-731}{-761}-----{-589}*{+350}-----{+116}*{-67}-----{-16}*			
[-229]	[+16]	[+143]	[-28]	[+8]
[-224]	[+15]	[+140]	[-28]	[+8]
	{+431}-----{-746}{-774}-----{-689}*{+335}-----{+114}*{-61}-----{-15}*			
[-287]	[+13]	[+133]	[-25]	[+7]
[-87]	[+4]	[+68]	[-10]	[+2]
	{+56}-----{-21}{-21}-----{-29}*{-19}-----{-2}*{+7}-----{+0}*			
[+30]	[-4]	[-12]	[+5]	[-2]
[+12]	[-2]	[-5]	[+2]	[-1]
	{-7}-----{-2}{+3}-----{+3}*{+1}-----{-0}*{-1}-----{+0}*			
[-5]	[+1]	[+1]	[-1]	[+1]
[-3]	[+1]	[+1]	[-0]	[+0]

3 .inci kat 3 .inci kolonun cökmesi hali

	{-42}-----{-394}{+583}-----{+752}*{-752}-----{-583}*{+394}-----{+42}*			
[+42]	[-189]	[+0]	[+189]	[-42]
[+35]	[-182]	[+0]	[+182]	[-35]
	{-80}-----{-344}{+595}-----{+797}*{-797}-----{-595}*{+344}-----{+80}*			
[+44]	[-148]	[+0]	[+148]	[-44]
[+43]	[-146]	[+0]	[+146]	[-43]
	{-81}-----{-338}{+614}-----{+807}*{-807}-----{-614}*{+338}-----{+81}*			
[+38]	[-138]	[-0]	[+138]	[-38]
[+14]	[-61]	[-0]	[+61]	[-14]
	{-5}-----{+19}{+28}-----{+14}*{-14}-----{-28}*{-19}-----{+5}*			
[-9]	[+14]	[-0]	[-14]	[+9]
[-3]	[+6]	[-0]	[-6]	[+3]
	{+1}-----{-1}{-3}-----{-1}*{+1}-----{+3}*{+1}-----{-1}*			
[+2]	[-2]	[-0]	[+2]	[-2]
[+1]	[-1]	[-0]	[+1]	[-1]

	(-153)-----(-344)(+273)-----(+81)*(-65)-----(-18)*(+15)-----(+2)*			
[+153]	[+72]	[-16]	[+4]	[-2]
[+143]	[+71]	[-16]	[+4]	[-1]
	(-279)-----(-414)(+269)-----(+87)*(-56)-----(-18)*(+11)-----(+2)*			
[+136]	[+74]	[-15]	[+3]	[-1]
[+60]	[+36]	[-7]	[+1]	[-0]
	(-46)-----(-28)(-5)-----(+1)*(+4)-----(+1)*(-1)-----(+0)*			
[-15]	[-3]	[+2]	[-1]	[+0]
[-6]	[-1]	[+1]	[-0]	[+0]
	(+4)-----(+2)(-0)-----(-0)*(-0)-----(+0)*(+0)-----(-0)*			
[+2]	[-0]	[-0]	[+0]	[-0]
[+1]	[-0]	[-0]	[+0]	[-0]
	(-0)-----(-0)(+0)-----(+0)*(+0)-----(-0)*(-0)-----(+0)*			
[-0]	[+0]	[+0]	[-0]	[+0]
[-0]	[+0]	[+0]	[-0]	[+0]

4 .inci kat 2 .inci kolonun cokaesi hali

	(+188)-----(+663)(-681)-----(-500)*(+397)-----(+114)*(-89)-----(-10)*			
[-188]	[+19]	[+103]	[-25]	[+10]
[-175]	[+16]	[+99]	[-23]	[+0]
	(+339)-----(+711)(-740)-----(-563)*(+365)-----(+117)*(-73)-----(-15)*			
[-164]	[+13]	[+99]	[-21]	[+7]
[-71]	[+4]	[+46]	[-9]	[+2]
	(+52)-----(+18)(-20)-----(-24)*(-15)-----(-1)*(+6)-----(-1)*			
[+20]	[-3]	[-7]	[+3]	[-2]
[+0]	[-1]	[-3]	[+1]	[-1]
	(-5)-----(-2)(+2)-----(+2)*(+1)-----(-0)*(-1)-----(+0)*			
[-3]	[+1]	[+1]	[-0]	[+0]
[-1]	[+0]	[+0]	[-0]	[+0]
	(+1)-----(+0)(-0)-----(-0)*(-0)-----(+0)*(+0)-----(-0)*			
[+1]	[-0]	[-0]	[+0]	[-0]
[+0]	[-0]	[-0]	[+0]	[-0]

4 .inci kat 3 .inci kolonun cokaesi hali

(-43)	-----(-393)(+504)	-----(+752)*(-752)	-----(-504)*(+393)	-----(+43)*
[+43]	[-111]	[+0]	[+111]	[-43]
[+38]	[-106]	[+0]	[+106]	[-38]
(-72)	-----(-359)(+569)	-----(+785)*(-785)	-----(-569)*(+359)	-----(+72)*
[+33]	[-104]	[+0]	[+104]	[-33]
[+13]	[-47]	[+0]	[+47]	[-13]
(-7)	-----(+15)(+24)	-----(+12)*(-12)	-----(-24)*(-15)	-----(+7)*
[-6]	[+9]	[-0]	[-9]	[+6]
[-3]	[+4]	[-0]	[-4]	[+3]
(+1)	-----(-1)(-2)	-----(-1)*(+1)	-----(+2)*(+1)	-----(-1)*
[+1]	[-1]	[+0]	[+1]	[-1]
[+0]	[-0]	[+0]	[+0]	[-0]
(-0)	-----(+0)(+0)	-----(+0)*(-0)	-----(-0)*(-0)	-----(+0)*
[-0]	[+0]	[-0]	[-0]	[+0]
[-0]	[+0]	[-0]	[-0]	[+0]

5 .inci kat 1 .inci kolonun cokaesi hali

(-111)	-----(-322)(+273)	-----(+79)*(-67)	-----(-19)*(+16)	-----(+1)*
[+111]	[+49]	[-12]	[+3]	[-1]
[+51]	[+24]	[-5]	[+1]	[-1]
(-41)	-----(-23)(-1)	-----(+2)*(+3)	-----(+0)*(-1)	-----(+0)*
[-10]	[-1]	[+1]	[-0]	[+0]
[-4]	[-0]	[+0]	[-0]	[+0]
(+3)	-----(+1)(-1)	-----(-0)*(-0)	-----(+0)*(+0)	-----(-0)*
[+1]	[-0]	[-0]	[+0]	[-0]
[+0]	[-0]	[-0]	[+0]	[-0]
(-0)	-----(-0)(+0)	-----(+0)*(-0)	-----(-0)*(-0)	-----(+0)*
[-0]	[+0]	[-0]	[-0]	[+0]
[-0]	[+0]	[-0]	[-0]	[+0]
(+0)	-----(+0)(-0)	-----(-0)*(+0)	-----(+0)*(-0)	-----(-0)*
[+0]	[-0]	[+0]	[+0]	[-0]
[+0]	[-0]	[+0]	[+0]	[-0]

	{+138}-----	{+647}{-662}-----	{-480}*{+408}-----	{+113}*{-95}-----	{-8}*
[-138]	[+15]	[+72]	[-18]	[+8]	
[-63]	[+6]	[+34]	[-8]	[+3]	
	{+50}-----	{+16}{-19}-----	{-20}*{-10}-----	{+1}*{+5}-----	{-2}*
[+13]	[-3]	[-4]	[+2]	[-1]	
[+6]	[-1]	[-2]	[+1]	[-1]	
	{-4}-----	{-1}{+2}-----	{+1}*{+0}-----	{-0}*{-0}-----	{+0}*
[-2]	[+0]	[+0]	[-0]	[+0]	
[-1]	[+0]	[+0]	[-0]	[+0]	
	{+0}-----	{+0}{-0}-----	{-0}*{+0}-----	{+0}*{+0}-----	{-0}*
[+0]	[-0]	[-0]	[+0]	[-0]	
[+0]	[-0]	[-0]	[+0]	[-0]	
	{-0}-----	{-0}{+0}-----	{+0}*{-0}-----	{-0}*{-0}-----	{+0}*
[-0]	[+0]	[-0]	[-0]	[+0]	
[-0]	[+0]	[-0]	[-0]	[+0]	

5 .inci kat 3 .inci kolonun cokmesi hali

	{-34}-----	{-404}{+483}-----	{+742}*{-742}-----	{-483}*{+404}-----	{+34}*
[+34]	[-79]	[+0]	[+79]	[-34]	
[+14]	[-37]	[+0]	[+37]	[-14]	
	{-10}-----	{+11}{+21}-----	{+11}*{-11}-----	{-21}*{-11}-----	{+10}*
[-5]	[+5]	[-0]	[-5]	[+5]	
[-2]	[+2]	[-0]	[-2]	[+2]	
	{+1}-----	{-0}{-1}-----	{-1}*{+1}-----	{+1}*{+0}-----	{-1}*
[+1]	[-0]	[+0]	[+0]	[-1]	
[+0]	[-0]	[+0]	[+0]	[-0]	
	{-0}-----	{+0}{+0}-----	{+0}*{-0}-----	{-0}*{-0}-----	{+0}*
[-0]	[+0]	[-0]	[-0]	[+0]	
[-0]	[+0]	[-0]	[-0]	[+0]	
	{+0}-----	{+0}{-0}-----	{-0}*{+0}-----	{+0}*{-0}-----	{-0}*
[+0]	[-0]	[+0]	[+0]	[-0]	
[+0]	[-0]	[+0]	[+0]	[-0]	

-/	*--(-130k)--*	*--(-130k)--*	*--(-130k)--*	*--(-130k)--*	*--(-130k)--*
h	0,22k	0,22k	0,22k	0,22k	0,22k
-/	*--(-130k)--*	*--(-130k)--*	*--(-130k)--*	*--(-130k)--*	*--(-130k)--*
h	0,34k	0,34k	0,34k	0,34k	0,34k
-/	*--(-130k)--*	*--(-130k)--*	*--(-130k)--*	*--(-130k)--*	*--(-130k)--*
h	0,51k	0,51k	0,51k	0,51k	0,51k
-/	*--(-130k)--*	*--(-130k)--*	*--(-130k)--*	*--(-130k)--*	*--(-130k)--*
h	0,73k	0,73k	0,73k	0,73k	0,73k
-/	*--(-130k)--*	*--(-130k)--*	*--(-130k)--*	*--(-130k)--*	*--(-130k)--*
h	k	k	k	k	k
-/	*--(-130k)--*	*--(-130k)--*	*--(-130k)--*	*--(-130k)--*	*--(-130k)--*
h	1,33k	1,33k	1,33k	1,33k	1,33k
-/	-/---L	-/---L	-/---L	-/---L	-/---L

1 .inci kat 1 .inci kolonun cokaesi hali

(-150)-----(-343)(+272)-----(+81)*(-65)-----(-18)*(+15)-----(+1)*				
[+150]	[+71]	[-16]	[+4]	[-1]
[+137]	[+70]	[-15]	[+3]	[-1]
(-324)-----(-442)(+265)-----(+88)*(-53)-----(-17)*(+10)-----(+2)*				
[+187]	[+107]	[-21]	[+4]	[-1]
[+177]	[+104]	[-19]	[+4]	[-1]
(-413)-----(-501)(+249)-----(+88)*(-44)-----(-16)*(+8)-----(+2)*				
[+236]	[+148]	[-25]	[+4]	[-1]
[+222]	[+143]	[-23]	[+4]	[-1]
(-500)-----(-563)(+230)-----(+86)*(-35)-----(-13)*(+5)-----(+2)*				
[+278]	[+190]	[-28]	[+4]	[-1]
[+259]	[+182]	[-25]	[+3]	[-1]
(-585)-----(-627)(+207)-----(+82)*(-27)-----(-11)*(+3)-----(+1)*				
[+326]	[+237]	[-30]	[+4]	[-1]
[+321]	[+235]	[-30]	[+4]	[-1]
(-602)-----(-641)(+200)-----(+80)*(-25)-----(-10)*(+3)-----(+1)*				
[+281]	[+206]	[-26]	[+3]	[-1]
[+140]	[+103]	[-13]	[+2]	[-0]

1 .inci kat 2 .inci kolonun cokmesi hali

	$\ast(+184)$	$-----(+662)\ast(-680)$	$-----(-499)\ast(+398)$	$-----(+114)\ast(-90)$	$-----(-9)\ast$
[-184]	[+181]	[+181]	[-24]	[+9]	
[-166]	[+14]	[+96]	[-21]	[+7]	
	$\ast(+389)$	$-----(+729)\ast(-759)$	$-----(-587)\ast(+350)$	$-----(+116)\ast(-67)$	$-----(-15)\ast$
[-223]	[+15]	[+140]	[-27]	[+8]	
[-210]	[+13]	[+135]	[-25]	[+7]	
	$\ast(+486)$	$-----(+766)\ast(-795)$	$-----(-637)\ast(+317)$	$-----(+111)\ast(-54)$	$-----(-15)\ast$
[-276]	[+15]	[+185]	[-32]	[+8]	
[-258]	[+13]	[+177]	[-29]	[+7]	
	$\ast(+577)$	$-----(+803)\ast(-829)$	$-----(-686)\ast(+281)$	$-----(+105)\ast(-42)$	$-----(-14)\ast$
[-319]	[+13]	[+229]	[-34]	[+7]	
[-295]	[+11]	[+217]	[-30]	[+6]	
	$\ast(+662)$	$-----(+839)\ast(-860)$	$-----(-736)\ast(+242)$	$-----(+96)\ast(-31)$	$-----(-11)\ast$
[-367]	[+11]	[+277]	[-35]	[+6]	
[-361]	[+11]	[+274]	[-35]	[+6]	
	$\ast(+677)$	$-----(+846)\ast(-866)$	$-----(-746)\ast(+233)$	$-----(+93)\ast(-29)$	$-----(-11)\ast$
[-316]	[+9]	[+240]	[-30]	[+5]	
[-158]	[+5]	[+120]	[-15]	[+2]	

2 .inci kat 1 .inci kolonun cökmesi hali

	(-150)-----(-343)(+272)-----(+81)*(-65)-----(-18)*(+15)-----(+1)*			
[+150]	[+71]	[-16]	[+4]	[-1]
[+137]	[+70]	[-15]	[+3]	[-1]
	(-324)-----(-442)(+265)-----(+88)*(-53)-----(-17)*(+10)-----(+2)*			
[+187]	[+107]	[-21]	[+4]	[-1]
[+177]	[+104]	[-19]	[+4]	[-1]
	(-413)-----(-501)(+249)-----(+88)*(-44)-----(-16)*(+8)-----(+2)*			
[+235]	[+147]	[-25]	[+4]	[-1]
[+220]	[+143]	[-23]	[+4]	[-1]
	(-508)-----(-567)(+230)-----(+87)*(-35)-----(-13)*(+5)-----(+2)*			
[+288]	[+195]	[-29]	[+4]	[-1]
[+284]	[+192]	[-29]	[+4]	[-1]
	(-525)-----(-582)(+223)-----(+85)*(-33)-----(-12)*(+5)-----(+2)*			
[+241]	[+167]	[-23]	[+3]	[-1]
[+96]	[+74]	[-8]	[+1]	[-0]
	(-54)-----(-41)(-15)-----(-3)*(+5)-----(+2)*(-1)-----(-0)*			
[-43]	[-18]	[+6]	[-1]	[+0]
[-21]	[-9]	[+3]	[-1]	[+0]

2 .inci kat 2 .inci kolonun cokmesi hali

	{+184}-----	{+662}{-680}-----	{-499}*{+398}-----	{+114}*{-90}-----	{-9}*-----
[-184]	[+18]	[+101]	[-24]	[+9]	
	{+389}-----	{+729}{-759}-----	{-587}*{+350}-----	{+116}*{-67}-----	{-15}*-----
[-166]	[+14]	[+96]	[-21]	[+7]	
	{+485}-----	{+766}{-795}-----	{-636}*{+317}-----	{+111}*{-54}-----	{-15}*-----
[-223]	[+15]	[+140]	[-27]	[+8]	
[-210]	[+14]	[+135]	[-25]	[+7]	
	{+586}-----	{+806}{-832}-----	{-690}*{+278}-----	{+105}*{-41}-----	{-14}*-----
[-275]	[+15]	[+185]	[-32]	[+8]	
[-255]	[+12]	[+176]	[-28]	[+6]	
	{+601}-----	{+813}{-838}-----	{-781}*{+269}-----	{+102}*{-39}-----	{-13}*-----
[-331]	[+14]	[+235]	[-35]	[+7]	
[-326]	[+14]	[+233]	[-35]	[+7]	
	{-53}-----	{+23}{-20}-----	{-32}*{-25}-----	{-6}*{+7}-----	{+1}*-----
[-275]	[+11]	[+200]	[-28]	[+5]	
[-107]	[+2]	[+84]	[-9]	[+1]	
[+54]	[-5]	[-28]	[+8]	[-3]	
[+27]	[-3]	[-14]	[+4]	[-1]	

2 .inci kat 3 .inci kolonun cokwesi hali

	(-42)-----(-394)(+503)-----(+752)*(-752)-----(-503)*(+394)-----(+42)*			
[+42]	[-109]	[+0]	[+109]	[-42]
[+36]	[-102]	[+0]	[+102]	[-36]
	(-78)-----(-345)(+593)-----(+796)*(-796)-----(-593)*(+345)-----(+78)*			
[+43]	[-146]	[-0]	[+146]	[-43]
[+39]	[-140]	[-0]	[+140]	[-39]
	(-85)-----(-312)(+641)-----(+821)*(-821)-----(-641)*(+312)-----(+85)*			
[+47]	[-190]	[-0]	[+190]	[-47]
[+41]	[-180]	[-0]	[+180]	[-41]
	(-90)-----(-275)(+694)-----(+847)*(-847)-----(-694)*(+275)-----(+90)*			
[+49]	[-239]	[-0]	[+239]	[-49]
[+49]	[-237]	[+0]	[+237]	[-49]
	(-87)-----(-265)(+704)-----(+852)*(-852)-----(-704)*(+265)-----(+87)*			
[+39]	[-203]	[+0]	[+203]	[-39]
[+12]	[-85]	[+0]	[+85]	[-12]
	(+2)-----(+24)(+31)-----(+15)*(-15)-----(-31)*(-24)-----(-2)*			
[-13]	[+30]	[-0]	[-30]	[+13]
[-7]	[+15]	[-0]	[-15]	[+7]

3 .inci kat 1 .inci kolonun cökmesi hali

	(-150)-----(-343)(+272)-----(+81)*(-65)-----(-18)*(+15)-----(+1)*			
[+158]	[+71]	[-16]	[+4]	[-1]
[+137]	[+70]	[-15]	[+3]	[-1]
	(-324)-----(-441)(+265)-----(+88)*(-53)-----(-17)*(+10)-----(+2)*			
[+187]	[+107]	[-21]	[+4]	[-1]
[+176]	[+104]	[-19]	[+4]	[-1]
	(-419)-----(-504)(+250)-----(+89)*(-44)-----(-16)*(+7)-----(+2)*			
[+243]	[+150]	[-26]	[+5]	[-1]
[+238]	[+148]	[-25]	[+4]	[-1]
	(-447)-----(-526)(+242)-----(+88)*(-41)-----(-15)*(+7)-----(+2)*			
[+209]	[+135]	[-22]	[+4]	[-1]
[+86]	[+62]	[-8]	[+1]	[-0]
	(-54)-----(-39)(-12)-----(-1)*(+5)-----(+1)*(-1)-----(-0)*			
[-32]	[-11]	[+4]	[-1]	[+0]
[-12]	[-5]	[+2]	[-0]	[+0]
	(+7)-----(+4)(+0)-----(-0)*(-1)-----(-0)*(+0)-----(+0)*			
[+6]	[+1]	[-1]	[+0]	[-0]
[+3]	[+0]	[-0]	[+0]	[-0]

3 .inci kat 2 .inci kolonun cokmesi hali

$\ast\{+184\}$	$\text{---}\{+662\}$	$\ast\{-660\}$	$\text{---}\{-499\}$	$\ast\{+398\}$	$\text{---}\{+114\}$	$\ast\{-90\}$	$\text{---}\{-9\}$	\ast
[-184]	[+18]	[+181]	[+101]	[-24]	[+9]			
[-166]	[+14]	[+96]	[-21]	[+7]				
$\ast\{+389\}$	$\text{---}\{+729\}$	$\ast\{-759\}$	$\text{---}\{-587\}$	$\ast\{+351\}$	$\text{---}\{+116\}$	$\ast\{-67\}$	$\text{---}\{-15\}$	\ast
[-222]	[+15]	[+148]	[-27]	[+8]				
[-208]	[+13]	[+134]	[-25]	[+7]				
$\ast\{+493\}$	$\text{---}\{+768\}$	$\ast\{-797\}$	$\text{---}\{-639\}$	$\ast\{+315\}$	$\text{---}\{+112\}$	$\ast\{-54\}$	$\text{---}\{-15\}$	\ast
[-284]	[+16]	[+189]	[-33]	[+8]				
[-279]	[+15]	[+187]	[-32]	[+8]				
$\ast\{+522\}$	$\text{---}\{+781\}$	$\ast\{-808\}$	$\text{---}\{-656\}$	$\ast\{+302\}$	$\text{---}\{+109\}$	$\ast\{-49\}$	$\text{---}\{-14\}$	\ast
[-243]	[+12]	[+167]	[-27]	[+6]				
[-98]	[+3]	[+73]	[-18]	[+2]				
$\ast\{+57\}$	$\text{---}\{+23\}$	$\ast\{-21\}$	$\text{---}\{-31\}$	$\ast\{-23\}$	$\text{---}\{-4\}$	$\ast\{+8\}$	$\text{---}\{+1\}$	\ast
[+41]	[-5]	[-19]	[+6]	[-3]				
[+16]	[-2]	[-8]	[+2]	[-1]				
$\ast\{-8\}$	$\text{---}\{-3\}$	$\ast\{+3\}$	$\text{---}\{+3\}$	$\ast\{+2\}$	$\text{---}\{-8\}$	$\ast\{-1\}$	$\text{---}\{+8\}$	\ast
[-8]	[+1]	[+3]	[-1]	[+1]				
[-4]	[+1]	[+1]	[-1]	[+0]				

3 .inci kat 3 .inci kolonun cokmesi hali

	{ -42}-----{-394}{+503}-----{+752}*{-752}-----{-503}*{+394}-----{ +42}*			
[+42]	[-109]	[+0]	[+109]	[-42]
[+36]	[-102]	[+0]	[+102]	[-36]
	{ -78}-----{-345}{+592}-----{+796}*{-796}-----{-592}*{+345}-----{ +78}*			
[+42]	[-145]	[-01]	[+145]	[-42]
[+38]	[-139]	[-01]	[+139]	[-38]
	{ -87}-----{-311}{+644}-----{+822}*{-822}-----{-644}*{+311}-----{ +87}*			
[+49]	[-195]	[-01]	[+195]	[-49]
[+48]	[-192]	[-01]	[+192]	[-48]
	{ -87}-----{-298}{+661}-----{+830}*{-830}-----{-661}*{+298}-----{ +87}*			
[+39]	[-171]	[-01]	[+171]	[-39]
[+13]	[-73]	[-01]	[+73]	[-13]
	{ -2}-----{ +22}{ +31}-----{ +15}*{ -15}-----{ -31}*{ -22}-----{ +2}*			
[-11]	[+21]	[+01]	[-21]	[+11]
[-4]	[+9]	[+01]	[-9]	[+4]
	{ +1}-----{ -2}{ -3}-----{ -2}*{ +2}-----{ +3}*{ +2}-----{ -1}*			
[+3]	[-3]	[-01]	[+3]	[-3]
[+1]	[-2]	[-01]	[+2]	[-1]

4 .inci kat 1 .inci kolonun cokmesi hali

	(-150)-----(-343)(+272)-----(+81)*(-65)-----(-18)*(+15)-----(+1)*			
[+158]	[+71]	[-16]	[+4]	[-1]
[+136]	[+70]	[-15]	[+3]	[-1]
	(-328)-----(-443)(+265)-----(+89)*(-53)-----(-17)*(+10)-----(+2)*			
[+192]	[+108]	[-21]	[+4]	[-1]
[+188]	[+107]	[-21]	[+4]	[-1]
	(-363)-----(-468)(+258)-----(+88)*(-49)-----(-17)*(+9)-----(+2)*			
[+175]	[+103]	[-19]	[+4]	[-1]
[+75]	[+49]	[-8]	[+1]	[-0]
	(-52)-----(-34)(-8)-----(+0)*(+5)-----(+1)*(-1)-----(-0)*			
[-23]	[-6]	[+3]	[-1]	[+0]
[-9]	[-3]	[+1]	[-0]	[+0]
	(+6)-----(+3)(-0)-----(-0)*(-0)-----(-0)*(+0)-----(-0)*			
[+4]	[+0]	[-0]	[+0]	[-0]
[+1]	[+0]	[-0]	[+0]	[-0]
	(-1)-----(-0)(+0)-----(+0)*(+0)-----(-0)*(-0)-----(+0)*			
[-1]	[+0]	[+0]	[-0]	[+0]
[-0]	[+0]	[+0]	[-0]	[+0]

4 .inci kat 2 .inci kolonun cokaesi hali

	{+184}-----{+662}{-680}-----{-499}*{+398}-----{+114}*{-90}-----{-9}* -----			
[-184]	[+18]	[+101]	[-24]	[+9]
[-166]	[+14]	[+96]	[-21]	[+7]
	{+394}-----{+731}{-761}-----{-589}*{+350}-----{+116}*{-67}-----{-16}* -----			
[-229]	[+16]	[+143]	[-28]	[+8]
[-224]	[+15]	[+140]	[-28]	[+8]
	{+431}-----{+746}{-774}-----{-609}*{+335}-----{+114}*{-61}-----{-15}* -----			
[-207]	[+13]	[+133]	[-25]	[+7]
[-87]	[+4]	[+60]	[-10]	[+2]
	{+56}-----{+21}{-21}-----{-29}*{-19}-----{-2}*{+7}-----{+0}* -----			
[+30]	[-4]	[-12]	[+5]	[-2]
[+12]	[-2]	[-5]	[+2]	[-1]
	{-7}-----{-2}{+3}-----{+3}*{+1}-----{-0}*{-1}-----{+0}* -----			
[-5]	[+1]	[+1]	[-1]	[+1]
[-2]	[+0]	[+1]	[-0]	[+0]
	{+1}-----{+0}{-0}-----{-0}*{-0}-----{+0}*{+0}-----{-0}* -----			
[+1]	[-0]	[-0]	[+0]	[-0]
[+1]	[-0]	[-0]	[+0]	[-0]
---	---	---	---	---

4 .inci kat 3 .inci kolonun cökmesi hali

(-42)-----(-394)(+503)-----(+752)*(-752)-----(-503)*(+394)-----(+42)*				
[+42]	[-109]	[+0]	[+109]	[-42]
[+35]	[-102]	[-0]	[+102]	[-35]
(-80)-----(-344)(+595)-----(+797)*(-797)-----(-595)*(+344)-----(+80)*				
[+44]	[-148]	[-0]	[+148]	[-44]
[+43]	[-146]	[-0]	[+146]	[-43]
(-81)-----(-330)(+614)-----(+807)*(-807)-----(-614)*(+330)-----(+81)*				
[+38]	[-138]	[-0]	[+138]	[-38]
[+14]	[-61]	[-0]	[+61]	[-14]
(-5)-----(+19)(+28)-----(+14)*(-14)-----(-28)*(-19)-----(+5)*				
[-9]	[+14]	[+0]	[-14]	[+9]
[-3]	[+6]	[+0]	[-6]	[+3]
(+2)-----(-1)(-3)-----(-1)*(+1)-----(+3)*(+1)-----(-2)*				
[+2]	[-2]	[-0]	[+2]	[-2]
[+1]	[-1]	[-0]	[+1]	[-1]
(-0)-----(+0)(+0)-----(+0)*(-0)-----(-0)*(-0)-----(+0)*				
[-0]	[+0]	[+0]	[-0]	[+0]
[-0]	[+0]	[+0]	[-0]	[+0]

5 .inci kat 1 .inci kolonun cokmesi hali

	(-153)-----(-344)(+273)-----(+81)*(-65)-----(-18)*(+15)-----(+2)*			
[+153]	[+72]	[-16]	[+4]	[-2]
[+143]	[+71]	[-16]	[+4]	[-1]
	(-279)-----(-414)(+269)-----(+87)*(-56)-----(-18)*(+11)-----(+2)*			
[+136]	[+74]	[-15]	[+3]	[-1]
[+68]	[+36]	[-7]	[+1]	[-0]
	(-46)-----(-28)(-5)-----(+1)*(+4)-----(+1)*(-1)-----(+0)*			
[-15]	[-3]	[+2]	[-1]	[+0]
[-6]	[-1]	[+1]	[-0]	[+0]
	(+4)-----(+2)(-0)-----(-0)*(-0)-----(+0)*(+0)-----(-0)*			
[+2]	[-0]	[-0]	[+0]	[-0]
[+1]	[-0]	[-0]	[+0]	[-0]
	(-0)-----(-0)(+0)-----(+0)*(+0)-----(-0)*(-0)-----(+0)*			
[-0]	[+0]	[+0]	[-0]	[+0]
[-0]	[+0]	[+0]	[-0]	[+0]
	(+0)-----(+0)(-0)-----(-0)*(+0)-----(+0)*(+0)-----(-0)*			
[+0]	[-0]	[+0]	[+0]	[-0]
[+0]	[-0]	[+0]	[+0]	[-0]

5 .inci kat 2 .inci kolonun cokmesi hali

	$*(+188)$	$-(+663)*(-681)$	$(-500)*(+397)$	$(+114)*(-89)$	$(-10)*$
[-188]	[+19]	[+103]	[-25]	[+10]	
[-175]	[+16]	[+99]	[-23]	[+8]	
	$*(+339)$	$-(+711)*(-740)$	$(-563)*(+365)$	$(+117)*(-73)$	$(-15)*$
[-164]	[+13]	[+99]	[-21]	[+7]	
[-71]	[+4]	[+46]	[-9]	[+2]	
	$*(+52)$	$-(+18)*(-20)$	$(-24)*(-15)$	$(-13)*(+6)$	$(-1)*$
[+20]	[-3]	[-7]	[+3]	[-2]	
[+8]	[-1]	[-3]	[+1]	[-1]	
	$*(-5)$	$(-2)*(+2)$	$(+2)*(+1)$	$(-0)*(-1)$	$(+0)*$
[-3]	[+1]	[+1]	[-0]	[+0]	
[-1]	[+0]	[+0]	[-0]	[+0]	
	$*(+1)$	$(+0)*(-0)$	$(-0)*(-0)$	$(+0)*(+0)$	$(-0)*$
[+1]	[-0]	[-0]	[+0]	[-0]	
[+0]	[-0]	[-0]	[+0]	[-0]	
	$*(-0)$	$(-0)*(+0)$	$(+0)*(-0)$	$(-0)*(-0)$	$(+0)*$
[-0]	[+0]	[+0]	[-0]	[+0]	
[-0]	[+0]	[+0]	[-0]	[+0]	

5 .inci kat 3 .inci kolonun cokmesi hali

	(-43)-----(-393)(+504)-----(+752)*(-752)-----(-504)*(+393)-----(+43)*			
[+43]	[-111]	[+0]	[+111]	[-43]
[+38]	[-106]	[+0]	[+106]	[-38]
	(-72)-----(-359)(+569)-----(+785)*(-785)-----(-569)*(+359)-----(+72)*			
[+33]	[-104]	[-0]	[+104]	[-33]
[+13]	[-47]	[-0]	[+47]	[-13]
	(-7)-----(+15)(+24)-----(+12)*(-12)-----(-24)*(-15)-----(+7)*			
[-6]	[+9]	[+0]	[-9]	[+6]
[-3]	[+4]	[+0]	[-4]	[+3]
	(+1)-----(-1)(-2)-----(-1)*(+1)-----(+2)*(+1)-----(-1)*			
[+1]	[-1]	[-0]	[+1]	[-1]
[+0]	[-0]	[-0]	[+0]	[-0]
	(-0)-----(+0)(+0)-----(+0)*(-0)-----(-0)*(-0)-----(+0)*			
[-0]	[+0]	[+0]	[-0]	[+0]
[-0]	[+0]	[+0]	[-0]	[+0]
	(+0)-----(-0)(-0)-----(-0)*(+0)-----(+0)*(+0)-----(-0)*			
[+0]	[-0]	[-0]	[+0]	[-0]
[+0]	[-0]	[-0]	[+0]	[-0]

6 .inci kat 1 .inci kolonun cokaesi hali

	(-111)-----(-322)(+273)-----(+79)*(-67)-----(-19)*(+16)-----(+1)*			
[+111]	[+49]	[-12]	[+3]	[-1]
[+51]	[+24]	[-5]	[+1]	[-1]
	(-41)-----(-23)(-1)-----(+2)*(+3)-----(+0)*(-1)-----(+0)*			
[-10]	[-1]	[+1]	[-0]	[+0]
[-4]	[-0]	[+0]	[-0]	[+0]
	(+3)-----(+1)(-1)-----(-0)*(-0)-----(+0)*(+0)-----(-0)*			
[+1]	[-0]	[-0]	[+0]	[-0]
[+0]	[-0]	[-0]	[+0]	[-0]
	(-0)-----(-0)(+0)-----(+0)*(-0)-----(-0)*(-0)-----(+0)*			
[-0]	[+0]	[-0]	[-0]	[+0]
[-0]	[+0]	[-0]	[-0]	[+0]
	(+0)-----(+0)(-0)-----(-0)*(+0)-----(+0)*(-0)-----(-0)*			
[+0]	[-0]	[+0]	[+0]	[-0]
[+0]	[-0]	[+0]	[+0]	[-0]
	(-0)-----(-0)(+0)-----(+0)*(-0)-----(-0)*(+0)-----(+0)*			
[-0]	[+0]	[-0]	[+0]	[+0]
[-0]	[+0]	[-0]	[+0]	[+0]

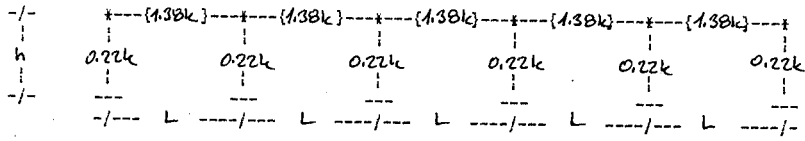
6 .inci kat 2 .inci kolonun cokmesi hali

$\ast(+138)$	$-(+647)$	$\ast(-662)$	$-(480)$	$\ast(+408)$	$-(+113)$	$\ast(-95)$	$-(-8)$	\ast
[-138]	[+15]	[+72]	[-18]	[+8]				
[-63]	[+6]	[+34]	[-8]	[+3]				
$\ast(+50)$	$-(+16)$	$\ast(-19)$	$-(20)$	$\ast(-10)$	$-(+1)$	$\ast(+5)$	$-(-2)$	\ast
[+13]	[-3]	[-4]	[+2]	[-1]				
[+6]	[-1]	[-2]	[+1]	[-1]				
$\ast(-4)$	$-(-1)$	$\ast(+2)$	$-(+1)$	$\ast(+0)$	$-(-0)$	$\ast(-0)$	$-(+0)$	\ast
[-2]	[+0]	[+0]	[-0]	[+0]				
[-1]	[+0]	[+0]	[-0]	[+0]				
$\ast(+0)$	$-(+0)$	$\ast(-0)$	$-(-0)$	$\ast(+0)$	$-(+0)$	$\ast(+0)$	$-(-0)$	\ast
[+0]	[-0]	[-0]	[+0]	[-0]				
[+0]	[-0]	[-0]	[+0]	[-0]				
$\ast(-0)$	$-(-0)$	$\ast(+0)$	$-(+0)$	$\ast(-0)$	$-(-0)$	$\ast(-0)$	$-(+0)$	\ast
[-0]	[+0]	[-0]	[-0]	[+0]				
[-0]	[+0]	[-0]	[-0]	[+0]				
$\ast(+0)$	$-(+0)$	$\ast(-0)$	$-(-0)$	$\ast(+0)$	$-(+0)$	$\ast(-0)$	$-(-0)$	\ast
[+0]	[-0]	[+0]	[+0]	[-0]				
[+0]	[-0]	[+0]	[+0]	[-0]				

6 .inci kat 3 .inci kolonun cokesi hali

	(-34)-----(-404)(+483)-----(+742)*(-742)-----(-483)*(+404)-----(+34)*			
[+34]	[-79]	[+0]	[+79]	[-34]
[+14]	[-37]	[+0]	[+37]	[-14]
	(-10)-----(+11)(+21)-----(+11)*(-11)-----(-21)*(-11)-----(+10)*			
[-5]	[+5]	[-0]	[-5]	[+5]
[-2]	[+2]	[-0]	[-2]	[+2]
	(+1)-----(-0)(-1)-----(-1)*(+1)-----(+1)*(+0)-----(-1)*			
[+1]	[-0]	[+0]	[+0]	[-1]
[+0]	[-0]	[+0]	[+0]	[-0]
	(-0)-----(+0)(+0)-----(+0)*(-0)-----(-0)*(-0)-----(+0)*			
[-0]	[+0]	[-0]	[-0]	[+0]
[-0]	[+0]	[-0]	[-0]	[+0]
	(+0)-----(+0)(-0)-----(-0)*(+0)-----(+0)*(-0)-----(-0)*			
[+0]	[-0]	[+0]	[+0]	[-0]
[+0]	[-0]	[+0]	[+0]	[-0]
	(-0)-----(-0)(+0)-----(+0)*(-0)-----(-0)*(+0)-----(+0)*			
[-0]	[+0]	[+0]	[-0]	[+0]
[-0]	[+0]	[+0]	[-0]	[+0]

SİSTEM GEOMETRİK ÖZELLİKLERİ



1 .inci kat 1 .inci kolonun cokmesi hali

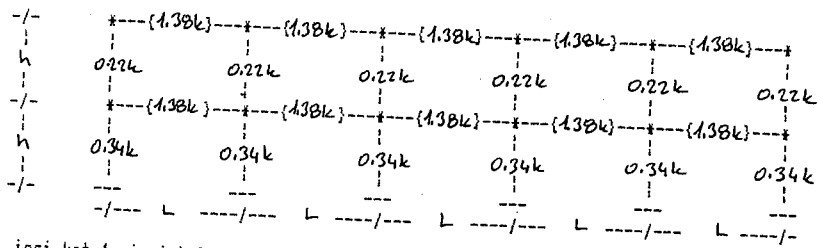
(-114)	-(-323)(+274)	-(+79)*(-67)	-(-19)*(+17)	-(+5)*(-4)	-(-0)*
[+114]	[+49]	[-12]	[+3]	[-1]	[+0]
[+57]	[+24]	[-6]	[+1]	[-0]	[+0]

1 .inci kat 2 .inci kolonun cokmesi hali

(+142)	-(+648)(-664)	-(-482)*(+409)	-(+118)*(-100)	-(-28)*(+23)	-(+2)*
[-142]	[+16]	[+73]	[-18]	[+5]	[-2]
[-71]	[+8]	[+36]	[-9]	[+2]	[-1]

1 .inci kat 3 .inci kolonun cokmesi hali

(-35)	-(-405)(+486)	-(+747)*(-748)	-(-505)*(+428)	-(+119)*(-99)	-(-9)*
[+35]	[-81]	[+1]	[+77]	[-20]	[+9]
[+17]	[-40]	[+0]	[+38]	[-10]	[+4]



1.inci kat 1.inci kolonun cokaesi hali

	(-153)	(-344)(+272)	(+81)*(-65)	(-193)*(+15)	(+4)*(-3)	(-0)*
[+153]	[+72]	[+161]	[+4]	[-11]	[+0]	
[+143]	[+71]	[-161]	[+3]	[-11]	[+0]	
	(-283)	(-416)(+270)	(+88)*(-56)	(-18)*(+12)	(+4)*(-2)	(-1)*
[+141]	[+75]	[-161]	[+3]	[-11]	[+0]	
[+70]	[+37]	[-8]	[+2]	[-0]	[+0]	

1.inci kat 2.inci kolonun cokaesi hali

	(+188)	(-663)(-682)	(-501)*(+399)	(+118)*(-95)	(-27)*(+21)	(+2)*
[-188]	[+191]	[+103]	[-24]	[+6]	[-2]	
[-174]	[+16]	[+99]	[-22]	[+5]	[-2]	
	(+344)	(+713)(-742)	(-565)*(+365)	(+119)*(-76)	(-24)*(+15)	(+3)*
[-170]	[+14]	[+101]	[-21]	[+4]	[-1]	
[-85]	[+7]	[+51]	[-11]	[+2]	[-1]	

1.inci kat 3.inci kolonun cokaesi hali

	(-43)	(-394)(+506)	(+757)*(-758)	(-523)*(+416)	(+119)*(-94)	(-10)*
[+43]	[-111]	[+1]	[+107]	[-25]	[+10]	
[+38]	[-106]	[+1]	[+103]	[-23]	[+8]	
	(-73)	(-359)(+571)	(+787)*(-789)	(-580)*(+374)	(+120)*(-75)	(-16)*
[+35]	[-107]	[+1]	[+104]	[-22]	[+7]	
[+18]	[-53]	[+0]	[+52]	[-11]	[+4]	

2 .inci kat 1 .inci kolonun cokmesi hali

	(-111)-----(-322)(+273)-----(+79)*(-67)-----(-19)*(+17)-----(+5)*(-4)-----(-0)*				
[+111]	[+49]	[-12]	[+3]	[-1]	[+0]
[+51]	[+24]	[-5]	[+1]	[-0]	[+0]
	(-41)-----(-22)(-1)-----(+2)*(+3)-----(+0)*(-1)-----(-0)*(+0)-----(-0)*				
[-10]	[-1]	[+1]	[-0]	[+0]	[-0]
[-5]	[-0]	[+0]	[-0]	[+0]	[-0]

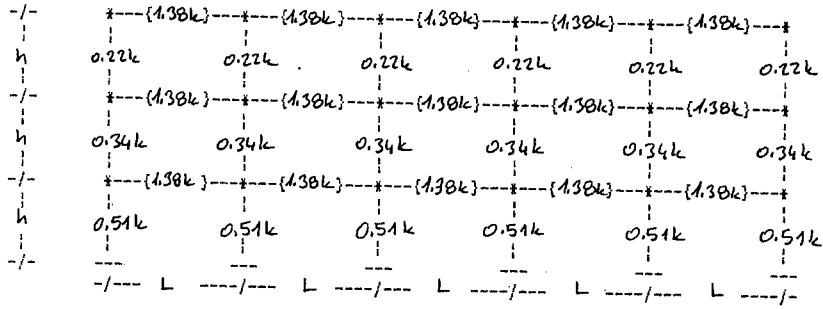
2 .inci kat 2 .inci kolonun cokmesi hali

	(+138)-----(+647)(-663)-----(-481)*(+409)-----(+118)*(-101)-----(-28)*(+23)-----(+2)*				
[-138]	[+15]	[+72]	[-17]	[+4]	[-2]
[-63]	[+6]	[+34]	[-8]	[+2]	[-1]
	(+49)-----(+16)(-19)-----(-20)*(-11)-----(+0)*(+6)-----(+1)*(-2)-----(+0)*				
[+14]	[-3]	[-4]	[+2]	[-1]	[+0]
[+7]	[-1]	[-2]	[+1]	[-0]	[+0]

2 .inci kat 3 .inci kolonun cokmesi hali

	(-34)-----(-405)(+485)-----(+747)*(-748)-----(-504)*(+429)-----(+119)*(-100)-----(-0)*				
[+34]	[-79]	[+1]	[+76]	[-19]	[+8]
[+14]	[-37]	[+0]	[+36]	[-9]	[+3]
	(-9)-----(+11)(+21)-----(+10)*(-10)-----(-18)*(-13)-----(+0)*(+6)-----(-2)*				
[-5]	[+5]	[-0]	[-4]	[+2]	[-2]
[-2]	[+3]	[-0]	[-2]	[+1]	[-1]

SİSTEM GEOMETRİK ÖZELLİKLERİ



1.inci kat 1.inci kolonun cokmesi hali

(-150)	{-343}{+272}	{+81}*{-65}	{-19}*{+15}	{+4}*{-4}	{-0}*{+}
[+150]	[+71]	[-16]	[+4]	[-1]	[+0]
[+136]	[+70]	[-15]	[+3]	[-1]	[+0]
(-328)	{-443}{+265}	{+89}*{-53}	{-18}*{+10}	{+3}*{-2}	{-0}*{+}
[+191]	[+108]	[-21]	[+4]	[-1]	[+0]
[+187]	[+107]	[-21]	[+4]	[-1]	[+0]
(-368)	{-470}{+258}	{+89}*{-48}	{-17}*{+9}	{+3}*{-2}	{-0}*{+}
[+181]	[+105]	[-20]	[+4]	[-1]	[+0]
[+91]	[+53]	[-10]	[+2]	[-0]	[+0]

1.inci kat 2.inci kolonun cokmesi hali

(+184)	{+662}{-680}	{-500}*{+399}	{+118}*{-95}	{-27}*{+22}	{+2}*{+}
[-184]	[+18]	[+101]	[-23]	[+5]	[-2]
[-166]	[+14]	[+96]	[-21]	[+5]	[-2]
(+394)	{+731}{-761}	{-589}*{+350}	{+117}*{-69}	{-23}*{+13}	{+3}*{+}
[-228]	[+16]	[+142]	[-28]	[+5]	[-2]
[-222]	[+15]	[+140]	[-27]	[+5]	[-1]
(+430)	{+748}{-777}	{-611}*{+335}	{+115}*{-63}	{-21}*{+11}	{+3}*{+}
[-215]	[+14]	[+137]	[-26]	[+5]	[-1]
[-108]	[+7]	[+68]	[-13]	[+2]	[-1]

1 .inci kat 3 .inci kolonun cökmesi hali

	(-42)-----(-395)(+504)-----(+756)*(-757)-----(-522)*(+416)-----(+119)*(-94)-----(-10)*				
[+42]	[-110]	[+1]	[+105]	[-25]	[+10]
[+35]	[-102]	[+1]	[+99]	[-22]	[+8]
	(-80)-----(-344)(+595)-----(+799)*(-800)-----(-602)*(+357)-----(+119)*(-68)-----(-16)*				
[+44]	[-148]	[+1]	[+145]	[-29]	[+8]
[+42]	[-146]	[+1]	[+143]	[-28]	[+8]
	(-83)-----(-329)(+617)-----(+809)*(-810)-----(-623)*(+341)-----(+116)*(-62)-----(-16)*				
[+40]	[-142]	[+0]	[+139]	[-27]	[+8]
[+20]	[-71]	[+0]	[+70]	[-13]	[+4]

2 .inci kat 1 .inci kolonun cökmesi hali

	(-153)-----(-344)(+273)-----(+81)*(-65)-----(-19)*(+15)-----(+4)*(-3)-----(-0)*				
[+153]	[+72]	[-16]	[+4]	[-1]	[+0]
[+143]	[+71]	[-16]	[+3]	[-1]	[+0]
	(-279)-----(-414)(+269)-----(+07)*(-57)-----(-18)*(+12)-----(+4)*(-2)-----(-0)*				
[+136]	[+74]	[-15]	[+3]	[-1]	[+0]
[+60]	[+36]	[-7]	[+1]	[-0]	[+0]
	(-45)-----(-28)(-5)-----(+1)*(+4)-----(+1)*(-1)-----(-0)*(+0)-----(+0)*				
[-15]	[-3]	[+2]	[-1]	[+0]	[-0]
[-0]	[-1]	[+1]	[-0]	[+0]	[-0]

2 .inci kat 2 .inci kolonun cökmesi hali

	(+188)-----(+663)(-682)-----(-501)*(+399)-----(+118)*(-95)-----(-27)*(+21)-----(+2)*				
[-188]	[+19]	[+103]	[-24]	[+6]	[-2]
[-175]	[+16]	[+99]	[-22]	[+5]	[-2]
	(+339)-----(+711)(-740)-----(-564)*(+366)-----(+119)*(-76)-----(-25)*(+15)-----(+3)*				
[-164]	[+13]	[+99]	[-20]	[+4]	[-1]
[-72]	[+5]	[+46]	[-9]	[+2]	[-0]
	(+51)-----(+18)(-19)-----(-24)*(-15)-----(-1)*(+7)-----(+1)*(-2)-----(-0)*				
[+21]	[-4]	[-7]	[+3]	[-1]	[+0]
[+10]	[-2]	[-4]	[+2]	[-0]	[+0]

2 .inci kat 3 .inci kolonun cokmesi hali

	(-43)	{-394}{+506}	{+757}*{-758}	{-523}*{+416}	{+119}*{-94}	{-10}*{+10}
[+43]	[-111]	[+1]	[+107]	[-26]	[+10]	
[+38]	[-106]	[+1]	[+103]	[-23]	[+8]	
	(-72)	{-359}{+570}	{+787}*{-788}	{-579}*{+375}	{+120}*{-75}	{-15}*{+7}
[+33]	[-104]	[+0]	[+102]	[-21]	[+7]	
[+13]	[-48]	[+0]	[+47]	[-9]	[+2]	
	(-6)	{+15}{+24}	{+11}*{-11}	{-22}*{-17}	{-13}*{+7}	{-0}*{+2}
[-7]	[+9]	[-0]	[-8]	[+3]	[-2]	
[-3]	[+4]	[-0]	[-4]	[+2]	[-1]	

3 .inci kat 1 .inci kolonun cokmesi hali

	(-111)	{-322}{+273}	{+79}*{-67}	{-19}*{+17}	{+5}*{-4}	{-0}*{+0}
[+111]	[+49]	[-12]	[+3]	[-1]	[+0]	
[+51]	[+24]	[-5]	[+1]	[-0]	[+0]	
	(-41)	{-23}{-1}	{+2}*{+3}	{+0}*{-1}	{-0}*{+0}	{-0}*{+0}
[-10]	[-1]	[+1]	[-0]	[+0]	[-0]	
[-4]	[-0]	[+0]	[-0]	[+0]	[-0]	
	{+3}	{+1}{-1}	{-0}*{-0}	{+0}*{+0}	{-0}*{-0}	{+0}*{+0}
[+1]	[-0]	[-0]	[+0]	[-0]	[+0]	
[+1]	[-0]	[-0]	[+0]	[-0]	[+0]	

3 .inci kat 2 .inci kolonun cokmesi hali

	{+138}	{+647}{-663}	{-481}*{+409}	{+118}*{-101}	{-28}*{+23}	{+2}*{-2}
[-138]	[+15]	[+72]	[-17]	[+4]	[-2]	
[-63]	[+6]	[+34]	[-8]	[+2]	[-1]	
	{+50}	{+16}{-19}	{-20}*{-11}	{+0}*{+6}	{+13}*{-2}	{+0}*{+0}
[+13]	[-3]	[-3]	[+2]	[-1]	[+0]	
[+6]	[-1]	[-2]	[+1]	[-0]	[+0]	
	{-4}	{-13}{+2}	{+1}*{+0}	{-0}*{-0}	{+0}*{+0}	{-0}*{+0}
[-2]	[+1]	[+0]	[-0]	[+0]	[-0]	
[-1]	[+0]	[+0]	[-0]	[+0]	[-0]	

3 .inci kat 3 .inci kolonun cokmesi hali

$\cdot(-34)$	$\cdot(-405) \cdot(+485)$	$\cdot(+747) \cdot(-748)$	$\cdot(-504) \cdot(+429)$	$\cdot(+119) \cdot(-100)$	$\cdot(-8) \cdot$
[+34]	[-79]	[+1]	[+76]	[-19]	[+8]
[+14]	[-37]	[+0]	[+36]	[-9]	[+3]
$\cdot(-10)$	$\cdot(+11) \cdot(+21)$	$\cdot(+10) \cdot(-10)$	$\cdot(-18) \cdot(-13)$	$\cdot(+0) \cdot(+6)$	$\cdot(-2) \cdot$
[-5]	[+5]	[-0]	[-4]	[+2]	[-2]
[-2]	[+2]	[-0]	[-2]	[+1]	[-1]
$\cdot(+1)$	$\cdot(-0) \cdot(-1)$	$\cdot(-1) \cdot(+1)$	$\cdot(+1) \cdot(+1)$	$\cdot(-0) \cdot(-0)$	$\cdot(+0) \cdot$
[+1]	[-1]	[+0]	[+0]	[-0]	[+0]
[+0]	[-0]	[+0]	[+0]	[-0]	[+0]

SİSTEM GEOMETRİK ÖZELLİKLERİ

-/-	*	{-138k}	{-138k}	{-138k}	{-138k}	{-138k}	*
h	0,22k	0,22k	0,22k	0,22k	0,22k	0,22k	0,22k
-/-	*	{-138k}	{-138k}	{-138k}	{-138k}	{-138k}	*
h	0,34k	0,34k	0,34k	0,34k	0,34k	0,34k	0,34k
-/-	*	{-138k}	{-138k}	{-138k}	{-138k}	{-138k}	*
h	0,51k	0,51k	0,51k	0,51k	0,51k	0,51k	0,51k
-/-	*	{-138k}	{-138k}	{-138k}	{-138k}	{-138k}	*
h	0,73k	0,73k	0,73k	0,73k	0,73k	0,73k	0,73k
-/-	-/-	L	-/-	L	-/-	L	-/-

1 .inci kat 1 .inci kolonun cökmesi hali

{-150}	{-343}{+272}	{+81}*{-65}	{-19}*{+15}	{+4}*{-4}	{-0}*
[+150]	[+71]	[-16]	[+4]	[-1]	[+0]
[+137]	[+70]	[-15]	[+3]	[-1]	[+0]
{-324}	{-441}{+265}	{+88}*{-53}	{-18}*{+11}	{+3}*{-2}	{-0}*
[+187]	[+107]	[-21]	[+4]	[-1]	[+0]
[+176]	[+104]	[-19]	[+4]	[-1]	[+0]
{-418}	{-504}{+249}	{+89}*{-44}	{-16}*{+8}	{+3}*{-1}	{-0}*
[+242]	[+150]	[-26]	[+4]	[-1]	[+0]
[+236]	[+148]	[-25]	[+4]	[-1]	[+0]
{-454}	{-529}{+242}	{+88}*{-40}	{-15}*{+7}	{+2}*{-1}	{-0}*
[+218]	[+139]	[-23]	[+4]	[-1]	[+0]
[+109]	[+70]	[-12]	[+2]	[-0]	[+0]

1 .inci kat 2 .inci kolonun cökmesi hali

$*(+184)$	$-(+662)*(-680)$	$-(500)*(+399)$	$-(+118)*(-95)$	$-(27)*(+22)$	$(+2)*$
[-184]	[+181]	[+1011]	[-23]	[+5]	[-2]
[-166]	[+15]	[+96]	[-21]	[+5]	[-2]
$*(+389)$	$-(+729)*(-759)$	$-(587)*(+351)$	$-(+117)*(-70)$	$-(23)*(+13)$	$(+3)*$
[-222]	[+15]	[+140]	[-27]	[+5]	[-2]
[-209]	[+13]	[+134]	[-25]	[+5]	[-1]
$*(+492)$	$-(+768)*(-797)$	$-(639)*(+316)$	$-(+112)*(-55)$	$-(20)*(+9)$	$(+3)*$
[-283]	[+16]	[+189]	[-33]	[+6]	[-1]
[-276]	[+15]	[+186]	[-31]	[+5]	[-1]
$*(+530)$	$-(+784)*(-811)$	$-(660)*(+301)$	$-(+110)*(-50)$	$-(18)*(+8)$	$(+2)*$
[-254]	[+13]	[+173]	[-29]	[+5]	[-1]
[-127]	[+7]	[+87]	[-14]	[+2]	[-1]

1 .inci kat 3 .inci kolonun cökmesi hali

$*(-42)$	$-(395)*(+504)$	$-(756)*(-757)$	$-(522)*(+416)$	$-(+119)*(-94)$	$(-10)*$
[+42]	[-110]	[+1]	[+105]	[-25]	[+10]
[+36]	[-103]	[+1]	[+99]	[-22]	[+8]
$*(-78)$	$-(345)*(+593)$	$-(798)*(-799)$	$-(600)*(+358)$	$-(+118)*(-69)$	$(-16)*$
[+42]	[-145]	[+1]	[+143]	[-28]	[+8]
[+38]	[-139]	[+0]	[+137]	[-26]	[+7]
$*(-87)$	$-(311)*(+644)$	$-(823)*(-824)$	$-(648)*(+320)$	$-(+113)*(-54)$	$(-15)*$
[+49]	[-194]	[+0]	[+192]	[-33]	[+8]
[+46]	[-191]	[+0]	[+188]	[-32]	[+8]
$*(-88)$	$-(296)*(+664)$	$-(833)*(-833)$	$-(668)*(+304)$	$-(+110)*(-49)$	$(-15)*$
[+42]	[-177]	[+0]	[+175]	[-29]	[+7]
[+21]	[-89]	[+0]	[+88]	[-15]	[+3]

2 .inci kat 1 .inci kolonun cokmesi hali

(-150)	-----(-343)(+272)	-----(+81)*(-65)	-----(-19)*(+15)	-----(+4)*(-4)	-----(-0)*
[+150]	[+71]	[-16]	[+4]	[-1]	[+0]
[+136]	[+70]	[-15]	[+3]	[-1]	[+0]
(-328)	-----(-443)(+265)	-----(+89)*(-53)	-----(-18)*(+10)	-----(+3)*(-2)	-----(-0)*
[+192]	[+108]	[-21]	[+4]	[-1]	[+0]
[+188]	[+107]	[-21]	[+4]	[-1]	[+0]
(-363)	-----(-468)(+258)	-----(+88)*(-49)	-----(-17)*(+9)	-----(+3)*(-2)	-----(-0)*
[+175]	[+103]	[-19]	[+3]	[-1]	[+0]
[+75]	[+48]	[-8]	[+1]	[-0]	[+0]
(-51)	-----(-34)(-9)	-----(+8)*(+5)	-----(+1)*(-1)	-----(-0)*(+0)	-----(+0)*
[-24]	[-6]	[+3]	[-1]	[+0]	[-0]
[-12]	[-3]	[+2]	[-0]	[+0]	[-0]

2 .inci kat 2 .inci kolonun cokmesi hali

(+184)	-----(+662)(-680)	-----(-500)*(+399)	-----(+118)*(-95)	-----(-27)*(+22)	-----(+2)*
[-184]	[+18]	[+101]	[-23]	[+5]	[-2]
[-166]	[+14]	[+96]	[-20]	[+5]	[-2]
(+394)	-----(+731)(-761)	-----(-589)*(+350)	-----(+118)*(-69)	-----(-23)*(+13)	-----(+3)*
[-229]	[+16]	[+142]	[-28]	[+5]	[-2]
[-224]	[+15]	[+140]	[-27]	[+5]	[-2]
(+431)	-----(+746)(-774)	-----(-609)*(+336)	-----(+115)*(-64)	-----(-22)*(+12)	-----(+3)*
[-207]	[+13]	[+133]	[-24]	[+5]	[-1]
[-87]	[+4]	[+68]	[-10]	[+2]	[-0]
(+55)	-----(+21)(-21)	-----(-28)*(-19)	-----(-3)*(+8)	-----(+2)*(-2)	-----(-0)*
[+32]	[-5]	[-13]	[+5]	[-1]	[+1]
[+16]	[-2]	[-6]	[+2]	[-1]	[+0]

2 .inci kat 3 .inci kolonun cokmesi hali

(-42)	-----(-395)(+504)	-----(+756)*(-757)	-----(-522)*(+416)	-----(+119)*(-94)	-----(-10)*
[+42]	[-110]	[+11]	[+105]	[-25]	[+10]
[+35]	[-102]	[+11]	[+99]	[-22]	[+8]
(-80)	-----(-344)(+595)	-----(+799)*(-800)	-----(-602)*(+357)	-----(+119)*(-68)	-----(-16)*
[+44]	[-149]	[+11]	[+146]	[-29]	[+9]
[+43]	[-146]	[+11]	[+143]	[-28]	[+8]
(-81)	-----(-330)(+614)	-----(+808)*(-809)	-----(-621)*(+342)	-----(+116)*(-63)	-----(-15)*
[+38]	[-138]	[+0]	[+135]	[-25]	[+7]
[+14]	[-61]	[+0]	[+61]	[-10]	[+2]
(-4)	-----(+19)(+28)	-----(+14)*(-13)	-----(-26)*(-21)	-----(-3)*(+8)	-----(+0)*
[-10]	[+15]	[-0]	[-14]	[+5]	[-2]
[-5]	[+7]	[-0]	[-7]	[+3]	[-1]

3 .inci kat 1 .inci kolonun cokmesi hali

(-153)	-----(-344)(+273)	-----(+81)*(-65)	-----(-19)*(+15)	-----(+4)*(-3)	-----(-0)*
[+153]	[+72]	[-16]	[+4]	[-1]	[+0]
[+143]	[+71]	[-16]	[+3]	[-1]	[+0]
(-279)	-----(-414)(+269)	-----(+87)*(-57)	-----(-18)*(+12)	-----(+4)*(-2)	-----(-0)*
[+136]	[+74]	[-15]	[+3]	[-1]	[+0]
[+60]	[+36]	[-7]	[+1]	[-0]	[+0]
(-46)	-----(-28)(-5)	-----(+1)*(+4)	-----(+1)*(-1)	-----(-0)*(+0)	-----(+0)*
[-15]	[-3]	[+2]	[-1]	[+0]	[-0]
[-6]	[-1]	[+1]	[-0]	[+0]	[-0]
(+4)	-----(+2)(-0)	-----(-0)*(-0)	-----(+0)*(+0)	-----(+0)*(-0)	-----(+0)*
[+2]	[-0]	[-0]	[+0]	[-0]	[+0]
[+1]	[-0]	[-0]	[+0]	[-0]	[+0]

3 .inci kat 2 .inci kolonun cokmesi hali

	{+188}-----	{+663}{-682}-----	{-501}*{+399}-----	{+118}*{-95}-----	{-27}*{+21}-----	{+2}*
[-188]	[+19]	[+103]	[-24]	[+6]	[-2]	
[-175]	[+16]	[+99]	[-22]	[+5]	[-2]	
	{+339}-----	{+711}{-740}-----	{-564}*{+366}-----	{+119}*{-76}-----	{-24}*{+15}-----	{+3}*
[-164]	[+13]	[+99]	[-20]	[+4]	[-1]	
[-71]	[+4]	[+46]	[-9]	[+2]	[-0]	
	{+52}-----	{+18}{-19}-----	{-24}*{-15}-----	{-1}*{+7}-----	{+1}*{-2}-----	{-0}*
[+20]	[-3]	[-7]	[+3]	[-1]	[+0]	
[+8]	[-1]	[-3]	[+1]	[-0]	[+0]	
	{-5}-----	{-1}{+2}-----	{+2}*{+1}-----	{-0}*{-1}-----	{-0}*{+0}-----	{-0}*
[-3]	[+1]	[+1]	[-0]	[+0]	[-0]	
[-2]	[+0]	[+0]	[-0]	[+0]	[-0]	

3 .inci kat 3 .inci kolonun cokmesi hali

	{-43}-----	{-394}{+506}-----	{+757}*{-758}-----	{-523}*{+416}-----	{+119}*{-94}-----	{-10}*
[+43]	[-111]	[+1]	[+107]	[-26]	[+10]	
[+39]	[-106]	[+1]	[+103]	[-23]	[+8]	
	{-72}-----	{-359}{+570}-----	{+787}*{-788}-----	{-579}*{+375}-----	{+120}*{-75}-----	{-15}*
[+33]	[-104]	[+0]	[+101]	[-21]	[+7]	
[+13]	[-47]	[+0]	[+47]	[-9]	[+2]	
	{-7}-----	{+15}{+24}-----	{+12}*{-11}-----	{-22}*{-17}-----	{-1}*{+7}-----	{-1}*
[-7]	[+9]	[-0]	[-0]	[+3]	[-2]	
[-3]	[+4]	[-0]	[-3]	[+1]	[-1]	
	{+1}-----	{-1}{-2}-----	{-1}*{+1}-----	{+2}*{+1}-----	{-0}*{-1}-----	{+0}*
[+1]	[-1]	[+0]	[+1]	[-1]	[+0]	
[+1]	[-1]	[+0]	[+0]	[-0]	[+0]	

4 .inci kat 1 .inci kolonun cokmesi hali

	(-111)-----(-322)(+273)-----(+79)*(-67)-----(-19)*(+17)-----(+5)*(-4)-----(-0)*				
[+111]	[+49]	[-12]	[+3]	[-1]	[+0]
[+51]	[+24]	[-5]	[+1]	[-0]	[+0]
	(-41)-----(-23)(-1)-----(+2)*(+3)-----(+0)*(-1)-----(-0)*(+0)-----(-0)*				
[-10]	[-1]	[+1]	[-0]	[+0]	[-0]
[-4]	[-0]	[+0]	[-0]	[+0]	[-0]
	(+3)-----(+1)(-1)-----(-0)*(-0)-----(+0)*(+0)-----(-0)*(-0)-----(+0)*				
[+1]	[-0]	[-0]	[+0]	[-0]	[+0]
[+0]	[-0]	[-0]	[+0]	[-0]	[+0]
	(-0)-----(-0)(+0)-----(+0)*(-0)-----(-0)*(-0)-----(+0)*(+0)-----(-0)*				
[-0]	[+0]	[-0]	[-0]	[+0]	[-0]
[-0]	[+0]	[-0]	[-0]	[+0]	[-0]

4 .inci kat 2 .inci kolonun cokmesi hali

	(+138)-----(+647)(-663)-----(-481)*(+409)-----(+118)*(-101)-----(-28)*(+23)-----(+2)*				
[-138]	[+15]	[+72]	[-17]	[+4]	[-2]
[-63]	[+6]	[+34]	[-8]	[+2]	[-1]
	(+50)-----(+16)(-19)-----(-20)*(-11)-----(+0)*(+6)-----(+1)*(-2)-----(+0)*				
[+13]	[-3]	[-3]	[+2]	[-1]	[+0]
[+6]	[-1]	[-2]	[+1]	[-0]	[+0]
	(-4)-----(-1)(+2)-----(+1)*(+0)-----(-0)*(-0)-----(+0)*(+0)-----(-0)*				
[-2]	[+0]	[+0]	[-0]	[+0]	[-0]
[-1]	[+0]	[+0]	[-0]	[+0]	[-0]
	(+0)-----(+0)(-0)-----(-0)*(+0)-----(+0)*(+0)-----(-0)*(-0)-----(+0)*				
[+0]	[-0]	[-0]	[+0]	[-0]	[+0]
[+0]	[-0]	[-0]	[+0]	[-0]	[+0]

4 .inci kat 3 .inci kolonun cokmesi hali

	(-34)-----(-405)(+405)-----(+747)*(-748)-----(-504)*(+429)-----(+119)*(-100)-----(-8)*				
[+34]	[-79]	[+1]	[+76]	[-19]	[+8]
[+14]	[-37]	[+0]	[+36]	[-9]	[+3]
	(-10)-----(+11)(+21)-----(+10)*(-10)-----(-18)*(-13)-----(+0)*(+6)-----(-2)*				
[-5]	[+5]	[-0]	[-4]	[+2]	[-2]
[-2]	[+2]	[-0]	[-2]	[+1]	[-1]
	(+1)-----(-0)(-1)-----(-1)*(+1)-----(+1)*(+1)-----(-0)*(-0)-----(+0)*				
[+1]	[-1]	[+0]	[+0]	[-0]	[+0]
[+0]	[-0]	[+0]	[+0]	[-0]	[+0]
	(-0)-----(+0)(+0)-----(+0)*(-0)-----(-0)*(-0)-----(+0)*(+0)-----(-0)*				
[-0]	[+0]	[-0]	[-0]	[+0]	[-0]
[-0]	[+0]	[-0]	[-0]	[+0]	[-0]

SISTEM GEOMETRIK OZELLIKLERI

-/-	*-(1.30k)------(1.30k)------(1.30k)------(1.30k)------(1.30k)-----*				
h	0.22k	0.22k	0.22k	0.22k	0.22k
-/-	*-(1.30k)------(1.30k)------(1.30k)------(1.30k)------(1.30k)-----*				
h	0.34k	0.34k	0.34k	0.34k	0.34k
-/-	*-(1.30k)------(1.30k)------(1.30k)------(1.30k)------(1.30k)-----*				
h	0.51k	0.51k	0.51k	0.51k	0.51k
-/-	*-(1.30k)------(1.30k)------(1.30k)------(1.30k)------(1.30k)-----*				
h	0.73k	0.73k	0.73k	0.73k	0.73k
-/-	*-(1.30k)------(1.30k)------(1.30k)------(1.30k)------(1.30k)-----*				
h	k	k	k	k	k
-/-	-/- L -/- L -/- L -/- L -/- L -/- L -/-				

1 .inci kat 1 .inci kolonun cokmesi hali

	$*(-150)$	$*(-343)*(+272)$	$*(-81)*(-65)$	$*(-19)*(+15)$	$*(-4)*(-4)$	$*(-0)*$
[+150]	[+71]	[-16]	[+4]	[-1]	[+0]	
[+137]	[+70]	[-15]	[+3]	[-1]	[+0]	
	$*(-324)$	$*(-442)*(+265)$	$*(-88)*(-53)$	$*(-18)*(+10)$	$*(-3)*(-2)$	$*(-0)*$
[+187]	[+107]	[-21]	[+4]	[-1]	[+0]	
[+177]	[+104]	[-19]	[+4]	[-1]	[+0]	
	$*(-413)$	$*(-501)*(+249)$	$*(-88)*(-44)$	$*(-16)*(+8)$	$*(-3)*(-1)$	$*(-0)*$
[+235]	[+147]	[-25]	[+4]	[-1]	[+0]	
[+220]	[+143]	[-23]	[+4]	[-1]	[+0]	
	$*(-507)$	$*(-567)*(+230)$	$*(-87)*(-35)$	$*(-13)*(+5)$	$*(-2)*(-1)$	$*(-0)*$
[+286]	[+194]	[-29]	[+4]	[-1]	[+0]	
[+281]	[+192]	[-28]	[+4]	[-1]	[+0]	
	$*(-532)$	$*(-587)*(+222)$	$*(-85)*(-32)$	$*(-12)*(+5)$	$*(-2)*(-1)$	$*(-0)*$
[+252]	[+173]	[-25]	[+4]	[-1]	[+0]	
[+126]	[+87]	[-12]	[+2]	[-0]	[+0]	

1 .inci kat 2 .inci kolonun cokmesi hali

	$*(+184)$	$*(+662)*(-600)$	$*(-500)*(+399)$	$*(+118)*(-95)$	$*(-27)*(+22)$	$*(+2)*$
[-104]	[+18]	[+101]	[-23]	[+5]	[-2]	
[-166]	[+14]	[+96]	[-21]	[+5]	[-2]	
	$*(+389)$	$*(+729)*(-759)$	$*(-587)*(+351)$	$*(+117)*(-70)$	$*(-23)*(+13)$	$*(+3)*$
[-223]	[+15]	[+140]	[-27]	[+5]	[-2]	
[-210]	[+14]	[+135]	[-25]	[+5]	[-1]	
	$*(+485)$	$*(+766)*(-795)$	$*(-636)*(+317)$	$*(+112)*(-56)$	$*(-20)*(+10)$	$*(+3)*$
[-275]	[+15]	[+185]	[-31]	[+5]	[-1]	
[-255]	[+12]	[+176]	[-28]	[+5]	[-1]	
	$*(+584)$	$*(+806)*(-831)$	$*(-690)*(+279)$	$*(+105)*(-42)$	$*(-16)*(+6)$	$*(+2)*$
[-329]	[+14]	[+235]	[-35]	[+5]	[-1]	
[-322]	[+13]	[+231]	[-34]	[+5]	[-1]	
	$*(+610)$	$*(+817)*(-841)$	$*(-705)*(+266)$	$*(+102)*(-38)$	$*(-15)*(+5)$	$*(+2)*$
[-288]	[+11]	[+208]	[-30]	[+4]	[-1]	
[-144]	[+6]	[+104]	[-15]	[+2]	[-0]	

1 .inci kat 3 .inci kolonun cokmesi hali

	(-42)-----(-395)(+504)-----(+756)*(-757)-----(-522)*(+416)-----(+119)*(-94)-----(-10)*				
[+42]	[-110]	[+1]	[+105]	[-25]	[+10]
[+36]	[-103]	[+1]	[+99]	[-22]	[+8]
	(-79)-----(-345)(+593)-----(+798)*(-799)-----(-600)*(+358)-----(+110)*(-69)-----(-16)*				
[+43]	[-146]	[+1]	[+143]	[-28]	[+8]
[+39]	[-140]	[+0]	[+137]	[-26]	[+7]
	(-85)-----(-312)(+641)-----(+821)*(-822)-----(-646)*(+322)-----(+113)*(-55)-----(-15)*				
[+47]	[-190]	[+0]	[+187]	[-32]	[+8]
[+41]	[-180]	[+0]	[+178]	[-29]	[+7]
	(-90)-----(-275)(+694)-----(+847)*(-848)-----(-696)*(+281)-----(+106)*(-42)-----(-14)*				
[+49]	[-239]	[+0]	[+237]	[-35]	[+7]
[+47]	[-235]	[+0]	[+233]	[-34]	[+7]
	(-88)-----(-263)(+709)-----(+855)*(-855)-----(-710)*(+268)-----(+103)*(-38)-----(-13)*				
[+41]	[-211]	[+0]	[+209]	[-30]	[+6]
[+21]	[-105]	[+0]	[+105]	[-15]	[+3]

2 .inci kat 1 .inci kolonun cokmesi hali

	(-150)-----(-343)(+272)-----(+81)*(-65)-----(-19)*(+15)-----(+4)*(-4)-----(-0)*				
[+150]	[+71]	[-16]	[+4]	[-1]	[+0]
[+137]	[+70]	[-15]	[+3]	[-1]	[+0]
	(-324)-----(-441)(+265)-----(+80)*(-53)-----(-18)*(+11)-----(+3)*(-2)-----(-0)*				
[+187]	[+107]	[-21]	[+4]	[-1]	[+0]
[+176]	[+104]	[-19]	[+4]	[-1]	[+0]
	(-419)-----(-504)(+250)-----(+89)*(-44)-----(-16)*(+8)-----(+3)*(-1)-----(-0)*				
[+243]	[+150]	[-26]	[+4]	[-1]	[+0]
[+238]	[+148]	[-25]	[+4]	[-1]	[+0]
	(-448)-----(-526)(+242)-----(+88)*(-41)-----(-15)*(+7)-----(+2)*(-1)-----(-0)*				
[+210]	[+135]	[-22]	[+4]	[-1]	[+0]
[+87]	[+62]	[-8]	[+1]	[-0]	[+0]
	(-54)-----(-38)(-12)-----(-1)*(+5)-----(+1)*(-1)-----(-0)*(+0)-----(+0)*				
[-33]	[-11]	[+4]	[-1]	[+0]	[-0]
[-17]	[-6]	[+2]	[-1]	[+0]	[-0]

2 .inci kat 2 .inci kolonun cokmesi hali

	{+184}	-----	{+662}{-688}	-----	{-500}*{+399}	-----	{+118}*{-95}	-----	{-27}*{+22}	-----	{+2}*
[-184]	[+18]		[+101]		[-23]		[+5]		[-2]		[-2]
[-167]	[+15]		[+96]		[-21]		[+5]		[-2]		[-2]
	{+389}	-----	{+729}{-759}	-----	{-587}*{+351}	-----	{+117}*{-70}	-----	{-23}*{+13}	-----	{+3}*
[-222]	[+15]		[+140]		[-27]		[+5]		[-1]		[-1]
[-208]	[+13]		[+134]		[-25]		[+5]		[-1]		[-1]
	{+493}	-----	{+768}{-797}	-----	{-639}*{+316}	-----	{+113}*{-55}	-----	{-20}*{+9}	-----	{+3}*
[-284]	[+16]		[+189]		[-33]		[+6]		[-1]		[-1]
[-279]	[+15]		[+186]		[-32]		[+6]		[-1]		[-1]
	{+522}	-----	{+781}{-808}	-----	{-656}*{+303}	-----	{+110}*{-51}	-----	{-18}*{+8}	-----	{+2}*
[-243]	[+12]		[+167]		[-27]		[+4]		[-1]		[-1]
[-98]	[+3]		[+73]		[-10]		[+1]		[-0]		[-0]
	{+56}	-----	{+22}{-21}	-----	{-31}*{-23}	-----	{-5}*{+8}	-----	{+2}*{-2}	-----	{-0}*
[+43]	[-5]		[-20]		[+7]		[-2]		[+1]		[+1]
[+21]	[-3]		[-10]		[+3]		[-1]		[+0]		[+0]

2 .inci kat 3 .inci kolonun cokmesi hali

	{-42}	-----	{-395}{+504}	-----	{+756}*{-757}	-----	{-522}*{+416}	-----	{+119}*{-94}	-----	{-10}*
[+42]	[-110]		[+1]		[+105]		[-25]		[+10]		[+10]
[+36]	[-103]		[+1]		[+99]		[-22]		[+8]		[+8]
	{-78}	-----	{-345}{+593}	-----	{+798}*{-799}	-----	{-600}*{+358}	-----	{+118}*{-69}	-----	{-16}*
[+42]	[-145]		[+1]		[+143]		[-28]		[+8]		[+8]
[+38]	[-139]		[+0]		[+137]		[-25]		[+7]		[+7]
	{-87}	-----	{-311}{+644}	-----	{+823}*{-824}	-----	{-649}*{+320}	-----	{+113}*{-54}	-----	{-15}*
[+49]	[-195]		[+0]		[+192]		[-34]		[+8]		[+8]
[+48]	[-192]		[+0]		[+189]		[-33]		[+8]		[+8]
	{-87}	-----	{-298}{+661}	-----	{+831}*{-832}	-----	{-665}*{+306}	-----	{+110}*{-50}	-----	{-15}*
[+39]	[-171]		[+0]		[+169]		[-28]		[+6]		[+6]
[+13]	[-74]		[+0]		[+73]		[-10]		[+2]		[+2]
	{-13}	-----	{+22}{+30}	-----	{+15}*{-15}	-----	{-29}*{-24}	-----	{-5}*{+8}	-----	{+1}*
[-12]	[+22]		[-0]		[-21]		[+7]		[-3]		[-3]
[-6]	[+11]		[-0]		[-10]		[+3]		[-1]		[-1]

3 .inci kat 1 .inci kolonun cokmesi hali

(-150)	-----(-343)(+272)-----	(+81)*(-65)	-----(-19)*(+15)-----	(+4)*(-4)	-----(-0)*
[+150]	[+71]	[-16]	[+4]	[-1]	[+0]
[+136]	[+70]	[-15]	[+3]	[-1]	[+0]
(-328)	-----(-443)(+265)-----	(+89)*(-53)	-----(-18)*(+10)-----	(+3)*(-2)	-----(-0)*
[+192]	[+108]	[-21]	[+4]	[-1]	[+0]
[+188]	[+107]	[-21]	[+4]	[-1]	[+0]
(-363)	-----(-468)(+258)-----	(+88)*(-49)	-----(-17)*(+9)-----	(+3)*(-2)	-----(-0)*
[+175]	[+103]	[-19]	[+3]	[-1]	[+0]
[+75]	[+49]	[-8]	[+1]	[-0]	[+0]
(-52)	-----(-34)(-8)-----	(+0)*(+5)	-----(+1)*(-2)-----	(-0)*(+0)	-----(+0)*
[-23]	[-6]	[+3]	[-1]	[+0]	[-0]
[-9]	[-3]	[+1]	[-0]	[+0]	[-0]
(+5)	-----(+3)(-0)-----	(-0)*(-0)	-----(-0)*(+0)-----	(+0)*(-0)	-----(-0)*
[+4]	[+0]	[-0]	[+0]	[-0]	[+0]
[+2]	[+0]	[-0]	[+0]	[-0]	[+0]

3 .inci kat 2 .inci kolonun cokmesi hali

(+184)	-----(+662)(-688)-----	(-588)*(+399)	-----(+118)*(-95)-----	(-27)*(+22)	-----(+2)*
[-184]	[+18]	[+101]	[-23]	[+5]	[-2]
[-166]	[+14]	[+96]	[-20]	[+5]	[-2]
(+394)	-----(+731)(-761)-----	(-589)*(+358)	-----(+118)*(-69)-----	(-23)*(+13)	-----(+3)*
[-229]	[+16]	[+142]	[-28]	[+5]	[-2]
[-224]	[+16]	[+140]	[-27]	[+5]	[-2]
(+431)	-----(+746)(-774)-----	(-609)*(+336)	-----(+115)*(-64)-----	(-22)*(+12)	-----(+3)*
[-287]	[+13]	[+133]	[-24]	[+5]	[-1]
[-87]	[+4]	[+60]	[-10]	[+2]	[-0]
(+56)	-----(+21)(-21)-----	(-28)*(-19)	-----(-3)*(+8)-----	(+2)*(-2)	-----(-0)*
[+30]	[-4]	[-12]	[+5]	[-1]	[+1]
[+12]	[-2]	[-5]	[+2]	[-0]	[+0]
(-7)	-----(-2)(+3)-----	(+3)*(+1)	-----(-0)*(-1)-----	(-0)*(+0)	-----(-0)*
[-5]	[+1]	[+1]	[-1]	[+0]	[-0]
[-3]	[+1]	[+1]	[-0]	[+0]	[-0]

(-42)	-----(-395)(+504)	-----(+756)*(-757)	-----(-522)*(+416)	-----(+119)*(-94)	-----(-10)*
[+42]	[-110]	[+1]	[+105]	[-25]	[+10]
[+35]	[-102]	[+1]	[+99]	[-22]	[+8]
(-80)	-----(-344)(+595)	-----(+799)*(-800)	-----(-602)*(+357)	-----(+119)*(-68)	-----(-16)*
[+44]	[-149]	[+1]	[+146]	[-29]	[+9]
[+43]	[-146]	[+1]	[+143]	[-28]	[+8]
(-81)	-----(-330)(+614)	-----(+808)*(-809)	-----(-621)*(+342)	-----(+116)*(-63)	-----(-15)*
[+38]	[-138]	[+0]	[+135]	[-25]	[+7]
[+14]	[-61]	[+0]	[+60]	[-10]	[+2]
(-5)	-----(+19)(+28)	-----(+14)*(-14)	-----(-26)*(-21)	-----(-3)*(+8)	-----(+0)*
[-9]	[+14]	[-0]	[-13]	[+5]	[-2]
[-3]	[+6]	[-0]	[-6]	[+2]	[-1]
(+1)	-----(-1)(-3)	-----(-1)*(+1)	-----(+2)*(+2)	-----(-0)*(-1)	-----(+0)*
[+2]	[-2]	[+0]	[+2]	[-1]	[+1]
[+1]	[-1]	[+0]	[+1]	[-0]	[+0]

4 .inci kat 1 .inci kolonun cokmesi hali

(-153)	-----(-344)(+273)	-----(+81)*(-65)	-----(-19)*(+15)	-----(+4)*(-3)	-----(-0)*
[+153]	[+72]	[-16]	[+4]	[-1]	[+0]
[+143]	[+71]	[-16]	[+3]	[-1]	[+0]
(-279)	-----(-414)(+269)	-----(+87)*(-57)	-----(-18)*(+12)	-----(+4)*(-2)	-----(-0)*
[+136]	[+74]	[-15]	[+3]	[-1]	[+0]
[+60]	[+36]	[-7]	[+1]	[-0]	[+0]
(-46)	-----(-28)(-5)	-----(+1)*(+4)	-----(+1)*(-1)	-----(-0)*(+0)	-----(+0)*
[-15]	[-3]	[+2]	[-1]	[+0]	[-0]
[-6]	[-1]	[+1]	[-0]	[+0]	[-0]
(+4)	-----(+2)(-0)	-----(-0)*(-0)	-----(+0)*(+0)	-----(+0)*(-0)	-----(+0)*
[+2]	[-0]	[-0]	[+0]	[-0]	[+0]
[+1]	[-0]	[-0]	[+0]	[-0]	[+0]
(-0)	-----(-0)(+0)	-----(+0)*(+0)	-----(-0)*(-0)	-----(+0)*(+0)	-----(-0)*
[-0]	[+0]	[+0]	[-0]	[+0]	[-0]
[-0]	[+0]	[+0]	[-0]	[+0]	[-0]

4 .inci kat 2 .inci kolonun cokaesi hali

$*(+188)$	$-(+663)*(-682)$	$-(581)*(+399)$	$-(+118)*(-95)$	$-(27)*(+21)$	$-(+2)*$
[-188]	[+19]	[+103]	[-24]	[+6]	[-2]
[-175]	[+16]	[+99]	[-22]	[+5]	[-2]
$*(+339)$	$-(+711)*(-740)$	$-(564)*(+366)$	$-(+119)*(-76)$	$-(24)*(+15)$	$-(+3)*$
[-164]	[+13]	[+99]	[-20]	[+4]	[-1]
[-71]	[+4]	[+46]	[-9]	[+2]	[-0]
$*(+52)$	$-(+18)*(-19)$	$-(24)*(-15)$	$-(1)*(+7)$	$-(+1)*(-2)$	$-(0)*$
[+20]	[-3]	[-7]	[+3]	[-1]	[+0]
[+8]	[-1]	[-3]	[+1]	[-0]	[+0]
$*(-5)$	$-(2)*(+2)$	$-(+2)*(+1)$	$-(0)*(-1)$	$-(0)*(+0)$	$-(0)*$
[-3]	[+1]	[+1]	[-0]	[+0]	[-0]
[-1]	[+0]	[+0]	[-0]	[+0]	[-0]
$*(+1)$	$-(+0)*(-0)$	$-(0)*(-0)$	$-(+0)*(+0)$	$-(0)*(-0)$	$-(+0)*$
[+1]	[-0]	[-0]	[+0]	[-0]	[+0]
[+0]	[-0]	[-0]	[+0]	[-0]	[+0]

4 .inci kat 3 .inci kolonun cokaesi hali

$*(-43)$	$-(394)*(+506)$	$-(+757)*(-758)$	$-(523)*(+416)$	$-(+119)*(-94)$	$-(10)*$
[+43]	[-111]	[+1]	[+107]	[-26]	[+10]
[+39]	[-106]	[+1]	[+103]	[-23]	[+8]
$*(-72)$	$-(359)*(+570)$	$-(+787)*(-788)$	$-(579)*(+375)$	$-(+120)*(-75)$	$-(15)*$
[+33]	[-104]	[+0]	[+101]	[-21]	[+7]
[+13]	[-47]	[+0]	[+47]	[-9]	[+2]
$*(-7)$	$-(+15)*(+24)$	$-(+12)*(-11)$	$-(22)*(-17)$	$-(1)*(+7)$	$-(1)*$
[-7]	[+9]	[-0]	[-8]	[+3]	[-2]
[-3]	[+4]	[-0]	[-3]	[+1]	[-1]
$*(+1)$	$-(1)*(-2)$	$-(1)*(+1)$	$-(+2)*(+1)$	$-(0)*(-1)$	$-(+0)*$
[+1]	[-1]	[+0]	[+1]	[-1]	[+0]
[+0]	[-0]	[+0]	[+0]	[-0]	[+0]
$*(-0)$	$-(+0)*(+0)$	$-(+0)*(-0)$	$-(0)*(-0)$	$-(+0)*(+0)$	$-(0)*$
[-0]	[+0]	[-0]	[-0]	[+0]	[-0]
[-0]	[+0]	[-0]	[-0]	[+0]	[-0]

$*(-111)-----(-322)*(+273)-----(+79)*(-67)-----(-19)*(+17)-----(+5)*(-4)-----(-0)*$					
[+111]	[+49]	[-121]	[+33]	[-11]	[+0]
[+511]	[+24]	[-51]	[+1]	[-0]	[+0]
$*(-41)-----(-23)*(-1)-----(+2)*(+3)-----(+0)*(-1)-----(-0)*(+0)-----(-0)*$					
[-101]	[-1]	[+1]	[-0]	[+0]	[-0]
[-4]	[-0]	[+0]	[-0]	[+0]	[-0]
$*(+3)-----(+1)*(-1)-----(-0)*(-0)-----(+0)*(+0)-----(-0)*(-0)-----(+0)*$					
[+1]	[-0]	[-0]	[+0]	[-0]	[+0]
[+0]	[-0]	[-0]	[+0]	[-0]	[+0]
$*(-0)-----(-0)*(+0)-----(+0)*(-0)-----(-0)*(-0)-----(+0)*(+0)-----(-0)*$					
[-0]	[+0]	[-0]	[-0]	[+0]	[-0]
[-0]	[+0]	[-0]	[-0]	[+0]	[-0]
$*(+0)-----(+0)*(-0)-----(-0)*(+0)-----(+0)*(-0)-----(-0)*(-0)-----(+0)*$					
[+0]	[-0]	[+0]	[-0]	[-0]	[+0]
[+0]	[-0]	[+0]	[-0]	[-0]	[+0]

5 .inci kat 2 .inci kolonun cokmesi hali

$*(+138)-----(+647)*(-663)-----(-481)*(+409)-----(+118)*(-101)-----(-20)*(+23)-----(+2)*$					
[-138]	[+15]	[+72]	[-17]	[+4]	[-2]
[-63]	[+6]	[+34]	[-8]	[+2]	[-1]
$*(+50)-----(+16)*(-19)-----(-20)*(-11)-----(+0)*(+6)-----(+1)*(-2)-----(+0)*$					
[+13]	[-3]	[-3]	[+2]	[-1]	[+0]
[+6]	[-1]	[-2]	[+1]	[-0]	[+0]
$*(-4)-----(-1)*(+2)-----(+1)*(+0)-----(-0)*(-0)-----(+0)*(+0)-----(-0)*$					
[-2]	[+0]	[+0]	[-0]	[+0]	[-0]
[-1]	[+0]	[+0]	[-0]	[+0]	[-0]
$*(+0)-----(+0)*(-0)-----(-0)*(+0)-----(+0)*(+0)-----(-0)*(-0)-----(+0)*$					
[+0]	[-0]	[-0]	[+0]	[-0]	[+0]
[+0]	[-0]	[-0]	[+0]	[-0]	[+0]
$*(-0)-----(-0)*(+0)-----(+0)*(-0)-----(-0)*(-0)-----(+0)*(+0)-----(-0)*$					
[-0]	[+0]	[-0]	[-0]	[+0]	[-0]
[-0]	[+0]	[-0]	[-0]	[+0]	[-0]

5 .inci kat 3 .inci kolonun coknesi hali

	(-34)	-----	(-405)(+485)	-----	(+747)*(-748)	-----	(-584)*(+429)	-----	(+119)*(-100)	-----	(-8)*
[+34]			[-79]		[+1]		[+76]		[-19]		[+8]
[+14]			[-37]		[+0]		[+36]		[-9]		[+3]
	(-10)	-----	(+11)(+21)	-----	(+10)*(-10)	-----	(-18)*(-13)	-----	(+0)*(+6)	-----	(-2)*
[-5]			[+5]		[-0]		[-4]		[+2]		[-2]
[-2]			[+2]		[-0]		[-2]		[+1]		[-1]
	(+13)	-----	(-0)(-1)	-----	(-1)*(+1)	-----	(+1)*(+1)	-----	(-0)*(-0)	-----	(+0)*
[+1]			[-1]		[+0]		[+0]		[-0]		[+0]
[+0]			[-0]		[+0]		[+0]		[-0]		[+0]
	(-0)	-----	(+0)(+0)	-----	(+0)*(-0)	-----	(-0)*(-0)	-----	(+0)*(+0)	-----	(-0)*
[-0]			[+0]		[-0]		[-0]		[+0]		[-0]
[-0]			[+0]		[-0]		[-0]		[+0]		[-0]
	(+0)	-----	(-0)(-0)	-----	(-0)*(+0)	-----	(+0)*(+0)	-----	(-0)*(-0)	-----	(+0)*
[+0]			[-0]		[+0]		[+0]		[-0]		[+0]
[+0]			[-0]		[+0]		[+0]		[-0]		[+0]

SISTEM GEOMETRIK OZELLIKLERI

-/	*	(-1.30k)	-----	(-1.30k)	-----	(-1.30k)	-----	(-1.30k)	-----	(-1.30k)	-----	*
h	0.22k		0.22k		0.22k		0.22k		0.22k		0.22k	
-/	*	(-1.30k)	-----	(-1.30k)	-----	(-1.30k)	-----	(-1.30k)	-----	(-1.30k)	-----	*
h	0.34k		0.34k		0.34k		0.34k		0.34k		0.34k	
-/	*	(-1.30k)	-----	(-1.30k)	-----	(-1.30k)	-----	(-1.30k)	-----	(-1.30k)	-----	*
h	0.51k		0.51k		0.51k		0.51k		0.51k		0.51k	
-/	*	(-1.30k)	-----	(-1.30k)	-----	(-1.30k)	-----	(-1.30k)	-----	(-1.30k)	-----	*
h	0.73k		0.73k		0.73k		0.73k		0.73k		0.73k	
-/	*	(-1.30k)	-----	(-1.30k)	-----	(-1.30k)	-----	(-1.30k)	-----	(-1.30k)	-----	*
h	k		k		k		k		k		k	
-/	*	(-1.30k)	-----	(-1.30k)	-----	(-1.30k)	-----	(-1.30k)	-----	(-1.30k)	-----	*
h	1.33k		1.33k		1.33k		1.33k		1.33k		1.33k	
-/		---		---		---		---		---		---
	-/	L	---	L	---	L	---	L	---	L	---	-/

1.inci kat 1.inci kolonun cokmesi hali

	(-150)-----(-343)(+272)-----(+81)*(-65)-----(-19)*(+15)-----(+4)*(-4)-----(-0)*				
[+150]	[+71]	[-16]	[+4]	[-1]	[+0]
[+137]	[+70]	[-15]	[+3]	[-1]	[+0]
	(-324)-----(-442)(+265)-----(+80)*(-53)-----(-18)*(+10)-----(+3)*(-2)-----(-0)*				
[+187]	[+107]	[-21]	[+4]	[-1]	[+0]
[+177]	[+104]	[-19]	[+4]	[-1]	[+0]
	(-413)-----(-501)(+249)-----(+80)*(-44)-----(-16)*(+8)-----(+3)*(-1)-----(-0)*				
[+236]	[+148]	[-25]	[+4]	[-1]	[+0]
[+222]	[+143]	[-23]	[+4]	[-1]	[+0]
	(-500)-----(-563)(+230)-----(+86)*(-35)-----(-13)*(+5)-----(+2)*(-1)-----(-0)*				
[+270]	[+190]	[-28]	[+4]	[-1]	[+0]
[+259]	[+182]	[-25]	[+3]	[-0]	[+0]
	(-585)-----(-627)(+207)-----(+82)*(-27)-----(-11)*(+3)-----(+1)*(-0)-----(-0)*				
[+326]	[+237]	[-30]	[+4]	[-0]	[+0]
[+321]	[+235]	[-30]	[+4]	[-0]	[+0]
	(-602)-----(-641)(+200)-----(+80)*(-25)-----(-10)*(+3)-----(+1)*(-0)-----(-0)*				
[+281]	[+286]	[-26]	[+3]	[-0]	[+0]
[+140]	[+103]	[-13]	[+2]	[-0]	[+0]

1 .inci kat 2 .inci kolonun cokmesi hali

	{+184}	-----	{+662}{-688}	-----	{-500}*{+399}	-----	{+118}*{-95}	-----	{-27}*{+22}	-----	{+2}*{
[-184]	[+18]		[+181]		[-23]		[+5]		[-2]]
[-166]	[+14]		[+96]		[-21]		[+5]		[-2]]
	{+389}	-----	{+729}{-759}	-----	{-587}*{+351}	-----	{+117}*{-70}	-----	{-23}*{+13}	-----	{+3}*{
[-223]	[+15]		[+140]		[-27]		[+5]		[-2]]
[-210]	[+13]		[+135]		[-25]		[+5]		[-1]]
	{+486}	-----	{+766}{-795}	-----	{-637}*{+317}	-----	{+112}*{-56}	-----	{-20}*{+10}	-----	{+3}*{
[-276]	[+15]		[+185]		[-31]		[+5]		[-1]]
[-258]	[+13]		[+177]		[-29]		[+5]		[-1]]
	{+577}	-----	{+803}{-829}	-----	{-686}*{+281}	-----	{+105}*{-43}	-----	{-16}*{+6}	-----	{+2}*{
[-319]	[+13]		[+229]		[-33]		[+5]		[-1]]
[-295]	[+11]		[+217]		[-30]		[+4]		[-1]]
	{+662}	-----	{+839}{-860}	-----	{-736}*{+242}	-----	{+96}*{-31}	-----	{-12}*{+4}	-----	{+1}*{
[-367]	[+11]		[+277]		[-35]		[+4]		[-1]]
[-361]	[+11]		[+274]		[-34]		[+4]		[-1]]
	{+677}	-----	{+846}{-866}	-----	{-746}*{+233}	-----	{+93}*{-29}	-----	{-12}*{+4}	-----	{+1}*{
[-316]	[+9]		[+240]		[-30]		[+4]		[-1]]
[-158]	[+5]		[+120]		[-15]		[+2]		[-0]]

1 .inci kat 3 .inci kolonun cokmesi hali

	(-42)-----(-395)(+504)-----(+756)*(-757)-----(-522)*(+416)-----(+119)*(-94)-----(-10)*				
[+42]	[-110]	[+1]	[+105]	[-25]	[+10]
[+36]	[-103]	[+1]	[+99]	[-22]	[+8]
	(-78)-----(-345)(+593)-----(+798)*(-799)-----(-600)*(+358)-----(+118)*(-69)-----(-16)*				
[+43]	[-146]	[+1]	[+143]	[-28]	[+8]
[+39]	[-140]	[+0]	[+137]	[-26]	[+7]
	(-86)-----(-312)(+642)-----(+822)*(-822)-----(-646)*(+322)-----(+113)*(-55)-----(-15)*				
[+47]	[-190]	[+0]	[+188]	[-32]	[+8]
[+42]	[-181]	[+0]	[+179]	[-29]	[+7]
	(-89)-----(-277)(+690)-----(+845)*(-846)-----(-693)*(+283)-----(+106)*(-43)-----(-14)*				
[+47]	[-232]	[+0]	[+230]	[-34]	[+7]
[+41]	[-220]	[+0]	[+218]	[-30]	[+6]
	(-87)-----(-239)(+739)-----(+870)*(-870)-----(-740)*(+243)-----(+97)*(-31)-----(-11)*				
[+46]	[-260]	[+0]	[+279]	[-36]	[+6]
[+45]	[-276]	[+0]	[+275]	[-35]	[+6]
	(-85)-----(-231)(+749)-----(+875)*(-875)-----(-750)*(+234)-----(+94)*(-29)-----(-11)*				
[+39]	[-242]	[+0]	[+241]	[-30]	[+5]
[+20]	[-121]	[+0]	[+120]	[-15]	[+2]

2 .inci kat 1 .inci kolonun cokmesi hali

	(-150)-----(-343)(+272)-----(+81)*(-65)-----(-19)*(+15)-----(+4)*(-4)-----(-0)*				
[+150]	[+71]	[-16]	[+4]	[-1]	[+0]
[+137]	[+70]	[-15]	[+3]	[-1]	[+0]
	(-324)-----(-442)(+265)-----(+88)*(-53)-----(-18)*(+10)-----(+3)*(-2)-----(-0)*				
[+187]	[+107]	[-21]	[+4]	[-1]	[+0]
[+177]	[+104]	[-19]	[+4]	[-1]	[+0]
	(-413)-----(-501)(+249)-----(+88)*(-44)-----(-16)*(+8)-----(+3)*(-1)-----(-0)*				
[+235]	[+147]	[-25]	[+4]	[-1]	[+0]
[+220]	[+143]	[-23]	[+4]	[-1]	[+0]
	(-508)-----(-567)(+230)-----(+87)*(-35)-----(-13)*(+5)-----(+2)*(-1)-----(-0)*				
[+288]	[+195]	[-29]	[+4]	[-1]	[+0]
[+284]	[+192]	[-29]	[+4]	[-1]	[+0]
	(-525)-----(-582)(+223)-----(+85)*(-33)-----(-12)*(+5)-----(+2)*(-1)-----(-0)*				
[+241]	[+167]	[-23]	[+3]	[-0]	[+0]
[+96]	[+74]	[-8]	[+1]	[-0]	[+0]
	(-54)-----(-41)(-15)-----(-3)*(+5)-----(+2)*(-1)-----(-0)*(+0)-----(+0)*				
[-43]	[-18]	[+6]	[-1]	[+0]	[-0]
[-21]	[-9]	[+3]	[-1]	[+0]	[-0]

2 .inci kat 2 .inci kolonun cokesi hali

{+184}-----{+662}{-680}-----{-500}*{+399}-----{+118}*{-95}-----{-27}*{+22}-----{+2}*					
[-184] [+18] [+101] [-23] [+5] [-2]					
{+389}-----{+729}{-759}-----{-587}*{+351}-----{+117}*{-70}-----{-23}*{+13}-----{+3}*					
[-223] [+15] [+140] [-27] [+5] [-2]					
{+485}-----{+766}{-795}-----{-636}*{+317}-----{+112}*{-56}-----{-20}*{+10}-----{+3}*					
[-210] [+14] [+135] [-25] [+5] [-1]					
[-275] [+15] [+185] [-31] [+5] [-1]					
{+586}-----{+806}{-832}-----{-690}*{+279}-----{+105}*{-42}-----{-16}*{+6}-----{+2}*					
[-255] [+12] [+176] [-28] [+5] [-1]					
[-331] [+14] [+235] [-35] [+5] [-1]					
{+601}-----{+813}{-838}-----{-701}*{+269}-----{+102}*{-40}-----{-15}*{+6}-----{+2}*					
[-326] [+14] [+233] [-35] [+5] [-1]					
[-275] [+11] [+200] [-28] [+4] [-1]					
{+53}-----{+23}{-20}-----{-32}*{-25}-----{-6}*{+7}-----{+2}*{-2}-----{-8}*					
[-187] [+2] [+84] [-9] [+1] [-0]					
[+54] [-5] [-28] [+8] [-2] [+1]					
[+27] [-3] [-14] [+4] [-1] [+0]					

2 .inci kat 3 .inci kolonun cokmesi hali

	(-42)-----(-395)(+504)-----(+756)*(-757)-----(-522)*(+416)-----(+119)*(-94)-----(-10)*				
[+42]	[-110]	[+1]	[+105]	[-25]	[+10]
[+36]	[-103]	[+1]	[+99]	[-22]	[+8]
	(-79)-----(-345)(+593)-----(+798)*(-799)-----(-600)*(+358)-----(+118)*(-69)-----(-16)*				
[+43]	[-146]	[+1]	[+143]	[-20]	[+8]
[+39]	[-140]	[+0]	[+137]	[-26]	[+7]
	(-85)-----(-312)(+641)-----(+821)*(-822)-----(-646)*(+322)-----(+113)*(-55)-----(-15)*				
[+47]	[-190]	[+0]	[+187]	[-32]	[+8]
[+41]	[-180]	[+0]	[+178]	[-29]	[+7]
	(-90)-----(-275)(+694)-----(+847)*(-848)-----(-696)*(+281)-----(+106)*(-41)-----(-14)*				
[+49]	[-239]	[+0]	[+237]	[-36]	[+7]
[+49]	[-237]	[+0]	[+235]	[-35]	[+7]
	(-87)-----(-265)(+705)-----(+853)*(-853)-----(-707)*(+271)-----(+103)*(-39)-----(-13)*				
[+39]	[-203]	[+0]	[+201]	[-28]	[+6]
[+12]	[-85]	[+0]	[+84]	[-9]	[+1]
	(+2)-----(+24)(+31)-----(+15)*(-15)-----(-30)*(-26)-----(-6)*(+7)-----(+2)*				
[-13]	[+30]	[-0]	[-29]	[+8]	[-3]
[-7]	[+15]	[-0]	[-14]	[+4]	[-1]

3 .inci kat 1 .inci kolonun cakmesi hali

	(-150)-----	(-343)(+272)-----	(+81)*(-65)-----	(-19)*(+15)-----	(+4)*(-4)-----	(-0)*
[+150]	[+71]	[-16]	[+4]	[-1]	[+0]	
[+137]	[+70]	[-15]	[+3]	[-1]	[+0]	
	(-324)-----	(-441)(+265)-----	(+88)*(-53)-----	(-10)*(+11)-----	(+3)*(-2)-----	(-0)*
[+187]	[+107]	[-21]	[+4]	[-1]	[+0]	
[+176]	[+104]	[-19]	[+4]	[-1]	[+0]	
	(-419)-----	(-504)(+250)-----	(+89)*(-44)-----	(-16)*(+8)-----	(+3)*(-1)-----	(-0)*
[+243]	[+150]	[-26]	[+4]	[-1]	[+0]	
[+238]	[+148]	[-25]	[+4]	[-1]	[+0]	
	(-447)-----	(-526)(+242)-----	(+88)*(-41)-----	(-15)*(+7)-----	(+2)*(-1)-----	(-0)*
[+209]	[+135]	[-22]	[+4]	[-1]	[+0]	
[+86]	[+62]	[-8]	[+1]	[-0]	[+0]	
	(-54)-----	(-39)(-12)-----	(-1)*(+5)-----	(+1)*(-1)-----	(-0)*(+0)-----	(+0)*
[-32]	[-11]	[+4]	[-1]	[+0]	[-0]	
[-12]	[-5]	[+2]	[-0]	[+0]	[-0]	
	(+7)-----	(+4)(+0)-----	(-0)*(-1)-----	(-0)*(+0)-----	(+0)*(-0)-----	(-0)*
[+6]	[+1]	[-1]	[+0]	[-0]	[+0]	
[+3]	[+0]	[-0]	[+0]	[-0]	[+0]	

3 .inci kat 2 .inci kolonun cokmesi hali

	{+184}-----	{+662}{-680}-----	{-580}*{+399}-----	{+118}*{-95}-----	{-27}*{+22}-----	{+2}*
[-184]	[+18]	[+181]	[+181]	[-23]	[+5]	[-2]
[-167]	[+15]	[+96]	[-21]	[+5]	[-2]	
	{+389}-----	{+729}{-759}-----	{-587}*{+351}-----	{+117}*{-70}-----	{-23}*{+13}-----	{+3}*
[-222]	[+15]	[+140]	[-27]	[+5]	[-1]	
[-288]	[+13]	[+134]	[-25]	[+5]	[-1]	
	{+493}-----	{+769}{-797}-----	{-639}*{+316}-----	{+113}*{-55}-----	{-20}*{+9}-----	{+3}*
[-284]	[+16]	[+189]	[-33]	[+6]	[-1]	
[-279]	[+15]	[+186]	[-32]	[+6]	[-1]	
	{+522}-----	{+781}{-808}-----	{-656}*{+303}-----	{+110}*{-51}-----	{-18}*{+8}-----	{+2}*
[-243]	[+12]	[+167]	[-27]	[+4]	[-1]	
[-98]	[+3]	[+73]	[-18]	[+1]	[-0]	
	{+57}-----	{+23}{-21}-----	{-31}*{-23}-----	{-4}*{+8}-----	{+2}*{-2}-----	{-0}*
[+41]	[-5]	[-19]	[+6]	[-2]	[+1]	
[+16]	[-2]	[-8]	[+2]	[-1]	[+0]	
	{-8}-----	{-3}{+3}-----	{+3}*{+2}-----	{+0}*{-1}-----	{-0}*{+0}-----	{+0}*
[-8]	[+1]	[+3]	[-1]	[+0]	[-0]	
[-4]	[+1]	[+1]	[-1]	[+0]	[-0]	

3 .inci kat 3 .inci kolonun cokmesi hali

	(-42)-----(-395)(+504)-----(+756)*(-757)-----(-522)*(+416)-----(+119)*(-94)-----(-10)*				
[+42]	[-110]	[+1]	[+105]	[-25]	[+10]
[+36]	[-103]	[+1]	[+99]	[-22]	[+8]
	(-78)-----(-345)(+593)-----(+798)*(-799)-----(-600)*(+358)-----(+118)*(-69)-----(-16)*				
[+42]	[-145]	[+1]	[+143]	[-28]	[+8]
[+38]	[-139]	[+0]	[+137]	[-25]	[+7]
	(-87)-----(-311)(+644)-----(+823)*(-824)-----(-649)*(+320)-----(+113)*(-54)-----(-15)*				
[+49]	[-195]	[+0]	[+192]	[-34]	[+8]
[+48]	[-192]	[+0]	[+189]	[-33]	[+8]
	(-87)-----(-298)(+661)-----(+831)*(-832)-----(-665)*(+306)-----(+110)*(-50)-----(-15)*				
[+39]	[-171]	[+0]	[+169]	[-28]	[+6]
[+13]	[-73]	[+0]	[+73]	[-10]	[+2]
	(-2)-----(+22)(+30)-----(+15)*(-15)-----(-29)*(-24)-----(-5)*(+8)-----(+1)*				
[-11]	[+21]	[-0]	[-20]	[+7]	[-3]
[-4]	[+9]	[-0]	[-8]	[+2]	[-1]
	(+1)-----(-2)(-3)-----(-2)*(+2)-----(+3)*(+2)-----(+0)*(-1)-----(+0)*				
[+3]	[-3]	[+0]	[+3]	[-1]	[+1]
[+1]	[-2]	[+0]	[+1]	[-1]	[+0]

4 .inci kat 1 .inci kolonun cokmesi hali

	(-150)-----(-343)(+272)-----(+01)*(-65)-----(-19)*(+15)-----(+4)*(-4)-----(-0)*				
[+150]	[+71]	[-16]	[+4]	[-1]	[+0]
[+136]	[+70]	[-15]	[+3]	[-1]	[+0]
	(-328)-----(-443)(+265)-----(+89)*(-53)-----(-18)*(+10)-----(+3)*(-2)-----(-0)*				
[+192]	[+108]	[-21]	[+4]	[-1]	[+0]
[+188]	[+107]	[-21]	[+4]	[-1]	[+0]
	(-363)-----(-468)(+258)-----(+88)*(-49)-----(-17)*(+9)-----(+3)*(-2)-----(-0)*				
[+175]	[+103]	[-19]	[+3]	[-1]	[+0]
[+75]	[+49]	[-0]	[+1]	[-0]	[+0]
	(-52)-----(-34)(-0)-----(+0)*(+5)-----(+1)*(-2)-----(-0)*(+0)-----(+0)*				
[-23]	[-6]	[+3]	[-1]	[+0]	[-0]
[-9]	[-3]	[+1]	[-0]	[+0]	[-0]
	(+6)-----(+3)(-0)-----(-0)*(-0)-----(-0)*(+0)-----(+0)*(-0)-----(+0)*				
[+4]	[+0]	[-0]	[+0]	[-0]	[+0]
[+1]	[+0]	[-0]	[+0]	[-0]	[+0]
	(-1)-----(-0)(+0)-----(+0)*(+0)-----(-0)*(-0)-----(-0)*(+0)-----(-0)*				
[-1]	[+0]	[+0]	[-0]	[+0]	[-0]
[-0]	[+0]	[+0]	[-0]	[+0]	[-0]

4 .inci kat 2 .inci kolonun cokaesi hali

	$*(+184)$	$-----(+662)*(-680)$	$-----(-500)*(+399)$	$-----(+118)*(-95)$	$-----(-27)*(+22)$	$-----(+2)*$
[-184]	[+18]	[+101]	[-23]	[+5]	[-2]	
[-166]	[+14]	[+96]	[-20]	[+5]	[-2]	
	$*(+394)$	$-----(+731)*(-761)$	$-----(-589)*(+350)$	$-----(+118)*(-69)$	$-----(-23)*(+13)$	$-----(+3)*$
[-229]	[+16]	[+142]	[-28]	[+5]	[-2]	
[-224]	[+16]	[+140]	[-27]	[+5]	[-2]	
	$*(+431)$	$-----(+746)*(-774)$	$-----(-609)*(+336)$	$-----(+115)*(-64)$	$-----(-22)*(+12)$	$-----(+3)*$
[-207]	[+13]	[+133]	[-24]	[+5]	[-1]	
[-87]	[+4]	[+60]	[-10]	[+2]	[-0]	
	$*(+56)$	$-----(+21)*(-21)$	$-----(-28)*(-19)$	$-----(-3)*(+0)$	$-----(+2)*(-2)$	$-----(-0)*$
[+30]	[-4]	[-12]	[+5]	[-1]	[+1]	
[+12]	[-2]	[-5]	[+2]	[-0]	[+0]	
	$*(-7)$	$-----(-2)*(+3)$	$-----(+3)*(+1)$	$-----(-0)*(-1)$	$-----(-0)*(+0)$	$-----(-0)*$
[-5]	[+1]	[+1]	[-1]	[+0]	[-0]	
[-2]	[+0]	[+1]	[-0]	[+0]	[-0]	
	$*(+1)$	$-----(+0)*(-0)$	$-----(-0)*(-0)$	$-----(+0)*(+0)$	$-----(+0)*(-0)$	$-----(+0)*$
[+1]	[-0]	[-0]	[+0]	[-0]	[+0]	
[+1]	[-0]	[-0]	[+0]	[-0]	[+0]	

4 .inci kat 3 .inci kolonun cokmesi hali

	(-42)-----(-395)(+504)-----(+756)*(-757)-----(-522)*(+416)-----(+119)*(-94)-----(-10)*				
[+42]	[-110]	[+1]	[+105]	[-25]	[+10]
[+35]	[-102]	[+1]	[+99]	[-22]	[+8]
	(-80)-----(-344)(+595)-----(+799)*(-800)-----(-602)*(+357)-----(+119)*(-60)-----(-16)*				
[+44]	[-149]	[+1]	[+146]	[-29]	[+9]
[+43]	[-146]	[+1]	[+143]	[-28]	[+8]
	(-81)-----(-330)(+614)-----(+808)*(-609)-----(-621)*(+342)-----(+116)*(-63)-----(-15)*				
[+38]	[-138]	[+0]	[+135]	[-25]	[+7]
[+14]	[-61]	[+0]	[+60]	[-10]	[+2]
	(-5)-----(+19)(+28)-----(+14)*(-14)-----(-26)*(-21)-----(-3)*(+0)-----(+0)*				
[-9]	[+14]	[-0]	[-13]	[+5]	[-2]
[-3]	[+6]	[-0]	[-6]	[+2]	[-1]
	(+1)-----(-1)(-3)-----(-1)*(+1)-----(+2)*(+2)-----(-0)*(-1)-----(+0)*				
[+2]	[-2]	[+0]	[+2]	[-1]	[+1]
[+1]	[-1]	[+0]	[+1]	[-0]	[+0]
	(-0)-----(+0)(+0)-----(+0)*(-0)-----(-0)*(-0)-----(+0)*(+0)-----(-0)*				
[-0]	[+0]	[-0]	[-0]	[+0]	[-0]
[-0]	[+0]	[-0]	[-0]	[+0]	[-0]

5 .inci kat 1 .inci kolonun cokmesi hali

	(-153)-----(-344){+273}-----(- +81)*(- 85)-----(- 19)*{ +15}-----(- +4)*(- 3)-----(- 0)*				
[+153]	[+72]	[-16]	[+4]	[-11]	[+0]
[+143]	[+71]	[-16]	[+3]	[-11]	[+0]
	(-279)-----(-414){+269}-----(- +87)*(- 57)-----(- 18)*{ +12}-----(- +4)*(- 2)-----(- 0)*				
[+136]	[+74]	[-15]	[+3]	[-11]	[+0]
[+60]	[+36]	[-7]	[+1]	[-0]	[+0]
	(-46)-----(-28)(- 5)-----(- +1)*{ +4}-----(- +1)*(- 1)-----(- 0)*{ +0}-----(- +0)*				
[-15]	[-3]	[+2]	[-1]	[+0]	[-0]
[-6]	[-1]	[+1]	[-0]	[+0]	[-0]
	{ +4}-----(- +2)(- 0)-----(- 0)*(- 0)-----(- +0)*{ +0}-----(- +0)*(- 0)-----(- +0)*				
[+2]	[-0]	[-0]	[+0]	[-0]	[+0]
[+1]	[-0]	[-0]	[+0]	[-0]	[+0]
	(- 0)-----(- 0){ +0}-----(- +0)*{ +0}-----(- 0)*(- 0)-----(- +0)*{ +0}-----(- 0)*				
[-0]	[+0]	[+0]	[-0]	[+0]	[-0]
[-0]	[+0]	[+0]	[-0]	[+0]	[-0]
	{ +0}-----(- +0)(- 0)-----(- 0)*{ +0}-----(- +0)*{ +0}-----(- 0)*(- 0)-----(- +0)*				
[+0]	[-0]	[+0]	[+0]	[-0]	[+0]
[+0]	[-0]	[+0]	[+0]	[-0]	[+0]

5 .inci kat 2 .inci kolonun cökmesi hali

	{+188}	-----	{+663}{-682}	-----	{-501}*{+399}	-----	{+118}*{-95}	-----	{-27}*{+21}	-----	{+2}*
[-188]	[+19]		[+103]		[-24]		[+6]		[-2]		
[-175]	[+16]		[+99]		[-22]		[+5]		[-2]		
	{+339}	-----	{+711}{-740}	-----	{-564}*{+366}	-----	{+119}*{-76}	-----	{-24}*{+15}	-----	{+3}*
[-164]	[+13]		[+99]		[-20]		[+4]		[-1]		
[-71]	[+4]		[+46]		[-9]		[+2]		[-0]		
	{+52}	-----	{+18}{-19}	-----	{-24}*{-15}	-----	{-1}*{+7}	-----	{+1}*{-2}	-----	{-0}*
[+20]	[-3]		[-7]		[+3]		[-1]		[+0]		
[+8]	[-1]		[-3]		[+1]		[-0]		[+0]		
	{-5}	-----	{-2}{+2}	-----	{+2}*{+1}	-----	{-0}*{-1}	-----	{-0}*{+0}	-----	{-0}*
[-3]	[+1]		[+1]		[-0]		[+0]		[-0]		
[-1]	[+0]		[+0]		[-0]		[+0]		[-0]		
	{+1}	-----	{+0}{-0}	-----	{-0}*{-0}	-----	{+0}*{+0}	-----	{-0}*{-0}	-----	{+0}*
[+1]	[-0]		[-0]		[+0]		[-0]		[+0]		
[+0]	[-0]		[-0]		[+0]		[-0]		[+0]		
	{-0}	-----	{-0}{+0}	-----	{+0}*{-0}	-----	{-0}*{-0}	-----	{+0}*{+0}	-----	{-0}*
[-0]	[+0]		[+0]		[-0]		[+0]		[-0]		
[-0]	[+0]		[+0]		[-0]		[+0]		[-0]		

5 .inci kat 3 .inci kolonun cokaesi hali

(-43)	-----(-394)(+506)	-----(+757)*(-758)	-----(-523)*(+416)	-----(+119)*(-94)	-----(-10)*
[+43]	[-111]	[+1]	[+107]	[-26]	[+10]
[+39]	[-106]	[+1]	[+103]	[-23]	[+8]
(-72)	-----(-359)(+570)	-----(+787)*(-788)	-----(-579)*(+375)	-----(+120)*(-75)	-----(-15)*
[+33]	[-104]	[+0]	[+101]	[-21]	[+7]
[+13]	[-47]	[+0]	[+47]	[-9]	[+2]
(-7)	-----(+15)(+24)	-----(+12)*(-11)	-----(-22)*(-17)	-----(-1)*(+7)	-----(-1)*
[-7]	[+9]	[-0]	[-8]	[+3]	[-2]
[-3]	[+4]	[-0]	[-3]	[+1]	[-1]
(+1)	-----(-1)(-2)	-----(-1)*(+1)	-----(+2)*(+1)	-----(-0)*(-1)	-----(+0)*
[+1]	[-1]	[+0]	[+1]	[-1]	[+0]
[+0]	[-0]	[+0]	[+0]	[-0]	[+0]
(-0)	-----(+0)(+0)	-----(+0)*(-0)	-----(-0)*(-0)	-----(+0)*(+0)	-----(-0)*
[-0]	[+0]	[-0]	[-0]	[+0]	[-0]
[-0]	[+0]	[-0]	[-0]	[+0]	[-0]
(+0)	-----(-0)(-0)	-----(-0)*(+0)	-----(+0)*(+0)	-----(-0)*(-0)	-----(+0)*
[+0]	[-0]	[+0]	[+0]	[-0]	[+0]
[+0]	[-0]	[+0]	[+0]	[-0]	[+0]

6 .inci kat 1 .inci kolonun cokmesi hali

	(-111)-----(-322)(+273)-----(+79)*(+67)-----(-19)*(+17)-----(+5)*(-4)-----(-0)*				
[+111]	[+49]	[-12]	[+3]	[-1]	[+0]
[+51]	[+24]	[-5]	[+1]	[-0]	[+0]
	(-41)-----(-23)(-1)-----(+2)*(+3)-----(+0)*(-1)-----(-0)*(+0)-----(-0)*				
[-10]	[-1]	[+1]	[-0]	[+0]	[-0]
[-4]	[-0]	[+0]	[-0]	[+0]	[-0]
	(+3)-----(+1)(-1)-----(-0)*(-0)-----(+0)*(+0)-----(-0)*(-0)-----(+0)*				
[+1]	[-0]	[-0]	[+0]	[-0]	[+0]
[+0]	[-0]	[-0]	[+0]	[-0]	[+0]
	(-0)-----(-0)(+0)-----(+0)*(-0)-----(-0)*(-0)-----(+0)*(+0)-----(-0)*				
[-0]	[+0]	[-0]	[-0]	[+0]	[-0]
[-0]	[+0]	[-0]	[-0]	[+0]	[-0]
	(+0)-----(+0)(-0)-----(-0)*(+0)-----(+0)*(-0)-----(-0)*(-0)-----(+0)*				
[+0]	[-0]	[+0]	[-0]	[-0]	[+0]
[+0]	[-0]	[+0]	[+0]	[-0]	[+0]
	(-0)-----(-0)(+0)-----(+0)*(-0)-----(-0)*(+0)-----(+0)*(-0)-----(-0)*				
[-0]	[+0]	[-0]	[+0]	[+0]	[-0]
[-0]	[+0]	[-0]	[+0]	[+0]	[-0]

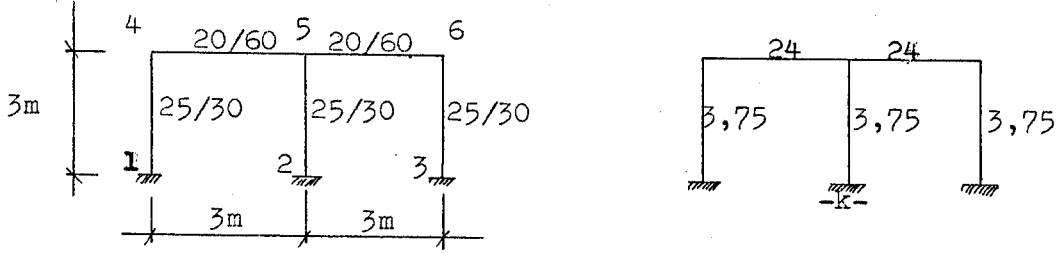
6 .inci kat 2 .inci kolonun cokmesi hali

$*(+138)$	$-(+647)*(-663)$	$(-461)*(+409)$	$(+118)*(-101)$	$(-20)*(+23)$	$(+2)*$
[-138]	[+15]	[+72]	[-17]	[+4]	[-2]
[-63]	[+6]	[+34]	[-8]	[+2]	[-1]
$*(+50)$	$(+16)*(-19)$	$(-20)*(-11)$	$(+0)*(+6)$	$(+1)*(-2)$	$(+0)*$
[+13]	[-3]	[-3]	[+2]	[-1]	[+0]
[+6]	[-1]	[-2]	[+1]	[-0]	[+0]
$*(-4)$	$(-1)*(+2)$	$(+1)*(+0)$	$(-0)*(-0)$	$(+0)*(+0)$	$(-0)*$
[-2]	[+0]	[+0]	[-0]	[+0]	[-0]
[-1]	[+0]	[+0]	[-0]	[+0]	[-0]
$(+0)$	$(+0)*(-0)$	$(-0)*(+0)$	$(+0)*(+0)$	$(-0)*(-0)$	$(+0)*$
[+0]	[-0]	[-0]	[+0]	[-0]	[+0]
[+0]	[-0]	[-0]	[+0]	[-0]	[+0]
(-0)	$(-0)*(+0)$	$(+0)*(-0)$	$(-0)*(-0)$	$(+0)*(+0)$	$(-0)*$
[-0]	[+0]	[-0]	[-0]	[+0]	[-0]
[-0]	[+0]	[-0]	[-0]	[+0]	[-0]
$(+0)$	$(+0)*(-0)$	$(-0)*(+0)$	$(+0)*(+0)$	$(-0)*(-0)$	$(+0)*$
[+0]	[-0]	[+0]	[+0]	[-0]	[+0]
[+0]	[-0]	[+0]	[+0]	[-0]	[+0]

6 .inci kat 3 .inci kolonun cokwesi hali

	(-34)-----(-405)(+485)-----(+747)*(-748)-----(-504)*(+429)-----(+119)*(-100)-----(-8)*				
[+34]	[-79]	[+1]	[+76]	[-19]	[+8]
[+14]	[-37]	[+0]	[+36]	[-9]	[+3]
	(-10)-----(+11)(+21)-----(+10)*(-10)-----(-10)*(-13)-----(+0)*(+6)-----(-2)*				
[-5]	[+5]	[-0]	[-4]	[+2]	[-2]
[-2]	[+2]	[-0]	[-2]	[+1]	[-1]
	(+1)-----(-0)(-1)-----(-1)*(+1)-----(+1)*(+1)-----(-0)*(-0)-----(+0)*				
[+1]	[-1]	[+0]	[+0]	[-0]	[+0]
[+0]	[-0]	[+0]	[+0]	[-0]	[+0]
	(-0)-----(+0)(+0)-----(+0)*(-0)-----(-0)*(-0)-----(+0)*(+0)-----(-0)*				
[-0]	[+0]	[-0]	[-0]	[+0]	[-0]
[-0]	[+0]	[-0]	[-0]	[+0]	[-0]
	(+0)-----(-0)(-0)-----(-0)*(+0)-----(+0)*(+0)-----(-0)*(-0)-----(+0)*				
[+0]	[-0]	[+0]	[+0]	[-0]	[+0]
[+0]	[-0]	[+0]	[+0]	[-0]	[+0]
	(-0)-----(-0)(+0)-----(+0)*(-0)-----(-0)*(-0)-----(+0)*(+0)-----(-0)*				
[-0]	[+0]	[-0]	[-0]	[+0]	[-0]
[-0]	[+0]	[-0]	[-0]	[+0]	[-0]

ÖRNEK :



orta kolonun bir mm. çökmesi halinde çözüm:

$$\bar{M}_{45} = \bar{M}_{54} = -\bar{M}_{56} = -\bar{M}_{65} = \frac{6 \times 2100000 \times \frac{0,2 \times 0,6^3}{12}}{3^2} \times 0,001$$
$$= 5,04 \text{ tm.}$$

$$2(3,75 + 24) \psi_4 + 24 \psi_5 + 5,04 = 0$$

$$2(24 + 24 + 3,75) \psi_5 + 24 \psi_4 + 24 \psi_6 = 0$$

$$2(3,75 + 24) \psi_6 + 24 \psi_5 - 5,04 = 0$$

bu denklem takımı çözülürse;

$$\begin{bmatrix} 55,5 & 24 & 0 \\ 0 & 24 & 41,52 \\ 0 & 0 & 24 \end{bmatrix} \begin{bmatrix} \psi_4 \\ \psi_5 \\ \psi_6 \end{bmatrix} = \begin{bmatrix} -5,04 \\ 2,18 \\ 5,04 \end{bmatrix}$$

Simetriden ;

$$\psi_5 = 0$$

$$-\psi_4 = \psi_6 = 0,907$$

kolon uç momentleri:

$$M_{41} = 3,75 \times (2 \times (-0,0907) + 0) + 0 = -0,68 \text{ tm.}$$

$$M_{14} = 3,75 \times (2 \times (-0,0907)) = -0,34 \text{ tm.}$$

$$M_{63} = -M_{41} = 0,68 \text{ tm.}$$

$$M_{36} = -M_{14} = 0,34 \text{ tm.}$$

$$M_{52} = 3,75 \times (2 \times 0 + 0) = 0$$

$$M_{25} = 3,75 \times (2 \times 0 + 0) = 0$$

kiriş uç momentleri ;

$$M_{45} = 24x(2x(-0,0907) + 0) + 5,04) = 0,68 \text{ tm.}$$

$$M_{54} = 24x(2x0 - 0,0907) + 0 = 2,18 \text{ tm.}$$

$$M_{65} = -M_{45} = -0,68 \text{ tm.}$$

$$M_{56} = -M_{54} = -2,18 \text{ tm.} \quad \text{bulunur.}$$

Tablo ile çözüm :

\bar{M} 5,04 tm. bulunmuştur.

$$\bar{M}^* = \frac{5,04}{1000} = 5,04 \times 10^{-3} \quad \text{sabit çarpan}$$

1. kat 2. kolonun çökmesi hali tablosundan katsayılar alınır.

kolonlar

$$M_{41} = \bar{M}^* \times (-135) = -0,68 \text{ tm.}$$

$$M_{14} = \bar{M}^* \times (-0,68) = -0,34 \text{ tm.}$$

$$M_{63} = \bar{M}^* \times 135 = 0,68 \text{ tm.}$$

$$M_{36} = \bar{M}^* \times 68 = 0,34 \text{ tm.}$$

$$M_{52} = \bar{M}^* \times 0 = 0$$

$$M_{25} = \bar{M}^* \times 0 = 0$$

kirişler

$$M_{54} = \bar{M}^* \times 568 = 2,86 \text{ tm.}$$

$$M_{45} = \bar{M}^* \times 135 = 0,68 \text{ tm.}$$

$$M_{56} = \bar{M}^* \times (-568) = -2,86 \text{ tm.}$$

$$M_{65} = \bar{M}^* \times (-135) = -0,68 \text{ tm.}$$

bulunur.

SONUÇ :

Örnekten de anlaşıldığı gibi tablolar yeterli hassasiyetle ve çabuklukla hesap yapmayı sağlamaktadır.

Kritik kesitlerin bulunmasında ve zorlamaların belirlenmesinde meslektaşlarıma yararlı olacağı kanısındayım.

BİLGİSAYAR PROGRAMI

Program AMSTRAD CPC 464 bilgisayarı kullanılarak hazırlanmış genel bir programdır. Data giriş sırası önce kolonlar sonra kirişler şeklindedir. İlk olarak kat sayısı ve açıklık sayısı data olarak verilir, daha sonra soldan sağa aşağıdan yukarıya doğru, önce eksene dik sonra eksene paralel kenar boyutu verilir.

kiriş dataları da aynı yöntem kullanılarak önce b genişliği daha sonra d yüksekliği verilir. En sonunda çöken kolonun kat ve sıra numarası verilir. 1 mm. lik çökme için uç momentleri hesaplanır ve basılır.

uzunluklar m cinsindedir.

```
10 U=0
20 PRINT#U,CHR$(27);"0";:MODE 2
30 REM Bir KOLONUN KISALMASI HALINDE OLUSAN UC
40 REM MOMENTLERININ ACI METODU ILE BULUNMASI
50 REM KAT SAYISI ve ACIKLIK SAYISI
60 READ KS,AS:M=AS+2:N=KS*(AS+1)
70 DIM B(KS,AS+1),D(KS,AS+1),B1(KS,AS),D1(KS,AS),L(AS),H(KS),K(N,M),X(N),MA(KS,AS)
80 REM ELASTISITE MODULU
90 EM=2100000
100 REM ACIKLIKLAR (m.)
110 FOR I=1 TO AS:READ L(I):NEXT I
120 REM KAT YUKSEKLIKLERI (m.)
130 FOR I=1 TO KS:READ H(I):NEXT I
140 REM KOLON BOYUTLARI (m.), "ONCE EKSENE DIK KENAR"
150 FOR I=1 TO KS:FOR J=1 TO AS+1:READ B(I,J),D(I,J):NEXT J,I
160 REM KIRIS BOYUTLARI (m.), "ONCE GENISLIK"
170 FOR I=1 TO KS:FOR J=1 TO AS:READ B1(I,J),D1(I,J):NEXT J,I
180 PRINT#U,CHR$(27);"!";CHR$(84);"SISTEM GEOMETRIK OZELLIKLERI":PRINT#U
190 PRINT#U,CHR$(27);"!";CHR$(132)
200 FOR I=KS TO 1 STEP-1
210 PRINT#U,"  -/-      *";
220 FOR J=1 TO AS:PRINT#U,USING"---(##/##)---*";B1(I,J)*100,D1(I,J)*100;:NEXT J
230 PRINT#U:PRINT#U,"      !";
240 FOR J=1 TO AS:PRINT#U,"      !";:NEXT J
250 PRINT#U:PRINT#U,USING" #.##m";h(i);
260 FOR J=1 TO AS+1:PRINT#U,USING" [##/##] ";B(I,J)*100;D(I,J)*100;:NEXT J
270 PRINT#U:PRINT#U,"      !";
280 FOR J=1 TO AS:PRINT#U,"      !";:NEXT J
290 PRINT#U:NEXT I
300 PRINT#U,"  -/-      ---";
310 FOR J=1 TO AS:PRINT#U,"      ---";:NEXT J
320 PRINT#U:PRINT#U,"      -/-";
330 FOR J=1 TO AS:PRINT#U,USING"---##.##m---/-";L(J);:NEXT J
340 PRINT#U:PRINT#U
350 REM RIJITLIK MATRISININ KURULMASI
360 FOR I=1 TO KS
370 T=(I-1)*(AS+1)
380 FOR J=1 TO AS+1
390 T=T+1
400 K1=EM*B(I,J)*D(I,J)^3/12/H(I)
```

```
410 IF I=KS THEN K2=0:GOTO 430
420 K2=EM*B(I+1,J)*D(I+1,J)^3/12/H(I+1)
430 IF J=1 THEN K3=0:GOTO 450
440 K3=EM*B1(I,J-1)*D1(I,J-1)^3/12/L(J-1)
450 IF J=AS+1 THEN K4=0:GOTO 470
460 K4=EM*B1(I,J)*D1(I,J)^3/12/L(J)
470 K(I,1)=4*(K1+K2+K3+K4)
480 K(I,2)=2*K4
490 K(I,M)=2*K2
500 NEXT J,I
510 REM MESNET COKMESINDEN MEYDANA GELEN
520 REM ANKASTRELİK MOMENTLERİ ve YUK MATRİSİNE YERLEŞTİRME
530 READ KATNO,KOLNO
540 PRINT#U,KATNO;"inci kat";KOLNO;"inci kolonun 1mm cokmesi"
550 PRINT#U,"halinde kolon ve kiris uc momentleri"
560 PRINT#U
570 FOR I=KATNO TO KS
580 NOKNO=(I-1)*(AS+1)+KOLNO
590 IF KOLNO=1 THEN GOTO 650
600 I1=B1(I,KOLNO-1)*D1(I,KOLNO-1)^3/12
610 M1=6*EM*I1/L(KOLNO-1)^2*0.001
620 X(NOKNO-1)=X(NOKNO-1)-M1
630 X(NOKNO)=X(NOKNO)-M1
640 MA(I,KOLNO-1)=M1
650 IF KOLNO=AS+1 THEN GOTO 710
660 I2=B1(I,KOLNO)*D1(I,KOLNO)^3/12
670 M2=6*EM*I2/L(KOLNO)^2*0.001
680 X(NOKNO)=X(NOKNO)+M2
690 X(NOKNO+1)=X(NOKNO+1)+M2
700 MA(I,KOLNO)=-M2
710 NEXT I
720 REM Rijitlik Matrisinin Cozumu
730 REM CHOLESKY METODU
740 REM SIKIŞTIRILMIŞ YARI BAND HALİ
750 K(1,1)=SQRT(K(1,1))
760 FOR I=2 TO M
770 K(1,I)=K(1,I)/K(1,1)
780 NEXT I
790 X(1)=X(1)/K(1,1)
800 FOR I=2 TO N
```

```
810 T1=I-M+1
820 IF T1<1 THEN T1=1
830 T3=2:T0=0
840 FOR J=I-1 TO T1 STEP -1
850 T0=T0+K(J,T3)^2
860 T3=T3+1
870 NEXT J
880 K(I,1)=SQRT(K(I,1)-T0)
890 FOR J=2 TO M-1
900 T3=2:T4=J+1:T0=0
910 FOR J1=I-1 TO T1 STEP -1
920 T0=T0+K(J1,T3)*K(J1,T4)
930 T3=T3+1:T4=T4+1
940 IF T4>M THEN 960
950 NEXT J1
960 K(I,J)=(K(I,J)-T0)/K(I,1)
970 NEXT J
980 K(I,M)=K(I,M)/K(I,1)
990 T3=2:T0=0
1000 FOR J=I-1 TO T1 STEP -1
1010 T0=T0+K(J,T3)*X(J)
1020 T3=T3+1
1030 NEXT J
1040 X(I)=(X(I)-T0)/K(I,1)
1050 NEXT I
1060 REM Bilinmeyenlerin Bulunması
1070 FOR I=N TO 1 STEP -1
1080 T1=I:T0=0
1090 FOR J=2 TO M
1100 T1=T1+1
1110 IF T1>N THEN 1140
1120 T0=T0+K(I,J)*X(T1)
1130 NEXT J
1140 X(I)=(X(I)-T0)/K(I,1)
1150 NEXT I
1160 REM KOLON ve Kiriş Üç Momentleri
1170 FOR I=KS TO 1 STEP -1
1180 NOK=(I-1)*(AS+1):NOK2=(I-2)*(AS+1)
1190 REM Kiriş Üç Momentleri
1200 PRINT#U,"      *";FOR J=1 TO AS
```

```
1200 PRINT#U," *";FOR J=1 TO AS
1210 NOK1=NOK+J
1220 K=EM*B1(I,J)*D1(I,J)^3/12/L(J)
1230 MSOL=4*K*(X(NOK1)+0.5*X(NOK1+1))+MA(I,J)
1240 MSAG=4*K*(0.5*X(NOK1)+X(NOK1+1))+MA(I,J)
1250 PRINT#U,USING"[+##.##]----(+#.##)*";MSOL,MSAG;
1260 NEXT J
1270 PRINT#U
1280 REM KOLON UC MOMENTLERI
1290 PRINT#U," !";
1300 FOR J=1 TO AS:PRINT#U," !";:NEXT J
1310 PRINT#U
1320 FOR J=1 TO AS+1
1330 NOK1=NOK+J:NOK3=NOK2+J
1340 K=EM*B(I,J)*D(I,J)^3/12/H(I)
1350 IF I=1 THEN 1380
1360 MUST=4*K*(X(NOK1)+0.5*X(NOK3))
1370 GOTO 1390
1380 MUST=4*K*X(NOK1)
1390 PRINT#U,USING"[+##.##] ";MUST;
1400 NEXT J
1410 PRINT#U
1420 FOR TEK=1 TO 2
1430 PRINT#U," !";
1440 FOR J=1 TO AS:PRINT#U," !";:NEXT J
1450 PRINT#U
1460 NEXT TEK
1470 FOR J=1 TO AS+1
1480 NOK1=NOK+J:NOK3=NOK2+J
1490 K=EM*B(I,J)*D(I,J)^3/12/H(I)
1500 IF I=1 THEN 1530
1510 MALT=4*K*(0.5*X(NOK1)+X(NOK3))
1520 GOTO 1540
1530 MALT=4*K*0.5*X(NOK1)
1540 PRINT#U,USING"[+##.##] ";MALT;
1550 NEXT J
1560 PRINT#U
1570 PRINT#U," !";
1580 FOR J=1 TO AS:PRINT#U," !";:NEXT J
1590 PRINT#U
1600 NEXT I
1610 PRINT#U," ---";
1620 FOR J=1 TO AS:PRINT#U," ---";:NEXT J
1630 PRINT#U
1640 DATA 1,1,3,3,.25,.55,.25,.55,.2,.6,1,1
```

KAYNAKLAR

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