

261)Asagidaki dizileri olusturan komutlari yazin

- 1 11 21 31 41 51
- 1 11 21 31 41 51251 261
- 0.1 0.3 0.5 0.7 0.9
- 0.1 -0.3 -0.5 -0.7 -0.9
- 1 -2 -3 -4 -99 -100
- 1 4 9 16 25256
- 20 -19 -18 -17 0
- 0 1 2 3 4 5 6 20
- 20 -19 -180 100 101 102120
- 1 1 1 1 1 1 (yuz tane 1)
- 2 2 2 2 2 2 (yuz tane 2)
- 1 2 3 4 5 1 2 3 4 5 1 2 3 4 5 (10 defa 1 2 3 4 5 tekrar)

262)matrisleri yazin.

$$a = \begin{bmatrix} 10 & 20 & 30 \\ 40 & 50 & 60 \end{bmatrix}, b = \begin{bmatrix} 1 & 2 & 3 \\ 4 & 5 & 6 \end{bmatrix},$$

$$, ee = \begin{bmatrix} 200 \\ 440 \\ 710 \end{bmatrix}, m = \begin{bmatrix} 1 & 2 & 3 \\ 4 & 5 & 6 \end{bmatrix} \quad d = \begin{bmatrix} 1 \\ 2 \\ 5 \end{bmatrix}$$

263)Once G matrisini elde edin sonra G matrisinden asagidakileri elde edin

$$G = \begin{bmatrix} 10 & 20 & 30 & 40 \\ 210 & 220 & 230 & 240 \\ 310 & 320 & 330 & 340 \\ 410 & 420 & 430 & 440 \end{bmatrix}$$

$$n = \begin{bmatrix} 410 & 420 & 430 \end{bmatrix}$$

$$p = \begin{bmatrix} 230 \\ 330 \end{bmatrix}$$

264)Matrisleri **eye**, **ones** ve **zeros** kullanarak elde edin

$$ww = \begin{bmatrix} 1 & 1 & 1 \\ 0 & 0 & 0 \end{bmatrix}, ff = \begin{bmatrix} 0 & 0 & 1 & 0 \\ 0 & 0 & 1 & 0 \\ 0 & 0 & 1 & 0 \end{bmatrix},$$

$$gg = \begin{bmatrix} 1 & 0 & 0 \\ 0 & 1 & 0 \\ 0 & 0 & 1 \end{bmatrix}$$

265) **ones** ve **zeros** kullanarak elde edin.

$$aa = [0 \ 0 \ 0 \ 0 \ 1 \ 1 \ 1 \ 0 \ 0 \ 0 \ 0]$$

$$bb = \begin{bmatrix} 0 & 0 & 1 & 1 & 0 & 0 \\ 0 & 0 & 1 & 1 & 0 & 0 \end{bmatrix}$$

$$cc = [0 \ 0 \ 0 \ 0 \ 1 \ 1 \ 1 \ 10 \ 10 \ 10 \ 10]$$

266)ones, zerso, • kullanarak elde edin.

- 1 1 1 1 10 12 14 16 18 ... 20
- 1 1 1 1 -10 -12 -14 -16 -18 ... -20
- 10 12 14 16 18 ... 20 0 0 0 1 1 1 1

267) aa=[1 2 3]; bb= sum(aa)

ekrana bb nin degeri ne olarak yazilir. .

268) aa=[1 2 3]'; bb= sum(aa)

ekrana bb nin degeri ne olarak yazilir. .

269) aa=[1 2 3; 4 5 6; 7 8 9]; bb= sum(aa)

ekrana bb nin degeri ne olarak yazilir. .

270)q=[1 2; 3 4], p=[10 20; 30 40];

aa=q•*p, bb=p•*q, cc=q*p, dd=p*q,
aa,bb,cc,dd nin degerleri nedir.

271) aa=[2 3 4], bb=[10 20 30] ',
p=aa*bb, q=bb*aa, r=bb*aa',carpimlari
neledir.

281)Asagidaki matrisleri MATLAB komutlariyla elde edin.

$$A = \begin{bmatrix} 1 & 0 & 0 & 0 \\ 0 & 1 & 0 & 0 \\ 0 & 0 & 1 & 0 \\ 0 & 0 & 0 & 1 \end{bmatrix},$$

$$B = \begin{bmatrix} 0 & 0 & 0 & 0 \\ 0 & 0 & 0 & 0 \\ 0 & 0 & 0 & 0 \\ 0 & 0 & 0 & 0 \end{bmatrix}, C = \begin{bmatrix} 1 & 1 \\ 1 & 1 \end{bmatrix}, D = \begin{bmatrix} 100 & 100 \\ 100 & 100 \end{bmatrix},$$

282)

>>A=[1 2 3; 10 20 30; 40 50 60],

$$A = \begin{bmatrix} 1 & 2 & 3 \\ 10 & 20 & 30 \\ 40 & 50 & 60 \end{bmatrix}$$

B matrisini A matrisinin satir ve sutunlarini degistirerek elde edin.

C matrisini A matrisinin satir ve sutunlarini degistirerek elde edin.

$$B = \begin{bmatrix} 1 & 2 & 3 \\ 40 & 50 & 60 \\ 10 & 20 & 30 \end{bmatrix}, C = \begin{bmatrix} 1 & 3 & 2 \\ 40 & 60 & 50 \\ 10 & 30 & 20 \end{bmatrix}$$

283)Asagidaki matrisi zeros ve ones komutlari ile elde edin. ornek olarak n=3, m=4, k=5, p=6, q=2,r=3 alin

$$q \left\{ \begin{bmatrix} \overbrace{1 \ 1 \ \dots \ 1 \ 1}^n \overbrace{0 \ 0 \ \dots \ 0}^m \\ 1 \ 1 \ \dots \ 1 \ 1 \ 0 \ 0 \ \dots \ 0 \\ \dots \ \dots \ \dots \ \dots \ \dots \ \dots \\ 1 \ 1 \ \dots \ 1 \ 1 \ 0 \ 0 \ \dots \ 0 \end{bmatrix} \right.$$

a)

$$q \left\{ \begin{bmatrix} \overbrace{1 \ 1 \ \dots \ 1 \ 1}^n \overbrace{0 \ 0 \ \dots \ 0}^m \overbrace{2 \ 2 \ \dots \ 2}^k \\ 1 \ 1 \ \dots \ 1 \ 1 \ 0 \ 0 \ \dots \ 0 \ 2 \ 2 \ \dots \ 2 \\ \dots \ \dots \ \dots \ \dots \ \dots \ \dots \\ 1 \ 1 \ \dots \ 1 \ 1 \ 0 \ 0 \ \dots \ 0 \ 2 \ 2 \ \dots \ 2 \end{bmatrix} \right.$$

b)

$$\left[\begin{array}{l} q \left\{ \begin{array}{l} \overbrace{1 \ 1 \ \dots \ 1 \ 1}^n \\ 1 \ 1 \ \dots \ 1 \ 1 \\ \dots \ \dots \ \dots \ \dots \ \dots \ \dots \\ 1 \ 1 \ \dots \ 1 \ 1 \end{array} \right. \\ m \left\{ \begin{array}{l} 0 \ 0 \ \dots \ 0 \ 0 \\ 0 \ 0 \ \dots \ 0 \ 0 \\ \dots \ \dots \ \dots \ \dots \ \dots \ \dots \\ 0 \ 0 \ \dots \ 0 \ \dots \ 0 \end{array} \right. \\ k \left\{ \begin{array}{l} 1 \ 0 \ \dots \ 0 \ \dots \ 0 \\ 0 \ 1 \ \dots \ 0 \ \dots \ 0 \\ \dots \ \dots \ \dots \ 0 \ \dots \ 0 \\ 0 \ 0 \ \dots \ 0 \ 1 \ \dots \ 0 \end{array} \right. \\ p \left\{ \begin{array}{l} 0 \ 0 \ \dots \ 0 \ 0 \ \dots \ 0 \end{array} \right. \end{array} \right]$$

c)

$$\left[\begin{array}{l} \overbrace{1 \ 1 \ \dots \ 1 \ 1}^n \overbrace{0 \ 0 \ \dots \ 0}^m \overbrace{0 \ \dots \ 0}^k \\ p \left\{ \begin{array}{l} 1 \ 1 \ \dots \ 1 \ 1 \ 0 \ 0 \ \dots \ 0 \ 0 \ \dots \ 0 \\ \dots \ \dots \ \dots \ \dots \ \dots \ \dots \ \dots \ \dots \ \dots \ \dots \ \dots \ \dots \end{array} \right. \\ 1 \ 1 \ \dots \ 1 \ 1 \ 0 \ 0 \ \dots \ 0 \ 0 \ \dots \ 0 \\ q \left\{ \begin{array}{l} 4 \ 4 \ \dots \ 4 \ 4 \ 1 \ 0 \ \dots \ 0 \ 0 \ \dots \ 0 \\ 4 \ 4 \ \dots \ 4 \ 4 \ 0 \ 1 \ \dots \ 0 \ 0 \ \dots \ 0 \\ \dots \ \dots \ \dots \ \dots \ \dots \ \dots \ \dots \ \dots \ \dots \ \dots \ \dots \ \dots \\ 4 \ 4 \ \dots \ 4 \ 4 \ 0 \ 0 \ \dots \ 1 \ 0 \ \dots \ 0 \end{array} \right. \\ r \left\{ \begin{array}{l} 0 \ 0 \ \dots \ 0 \ 0 \ 0 \ 0 \ \dots \ 0 \ 0 \ \dots \ 0 \\ \dots \ \dots \ \dots \ \dots \ \dots \ \dots \ \dots \ \dots \ \dots \ \dots \ \dots \ \dots \\ 0 \ 0 \ \dots \ 0 \ 0 \ \dots \ 0 \ 0 \ 0 \ 0 \ \dots \ 0 \end{array} \right. \end{array} \right]$$