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Section : A.

 $Q \cdot 1)$

Given,

$$M = [1 \ 0 \ 1 \ 0]$$
. $D = [0 \ -1 \ -1 \ 0]$
fixing seq. $(0) = ?$ $[0 \ 0 \ -1 \ 1]$
 $ej = ?$

$$[1\S 8 0 1]-[1010]=ej[0-1-10]$$

$$[0 2 1 -1]$$

$$= \begin{bmatrix} 0 & 8 & -1 & 1 \end{bmatrix} = ej \begin{bmatrix} 0 & -1 & -1 & 0 \\ 0 & 2 & 1 & -1 \\ 0 & 0 & -1 & 1 \end{bmatrix}$$

$$= \begin{bmatrix} 0 & 8 & -1 & 1 \end{bmatrix} = \begin{bmatrix} e_1 & e_2 & e_3 \end{bmatrix} \begin{bmatrix} 0 & -1 & -1 & 0 \\ 0 & 2 & 1 & -1 \\ 0 & 0 & -1 & 1 \end{bmatrix}$$

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$$= [08 - 11] = [0 - e_1 + 2e_1 - e_1 + e_2 - e_3 - e_2 + e_3].$$

Equating the matrix,

Solwing them simultaneously,

we get.

So, the firing sequence will be,

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(3)

(0.2)

Given ,

P={P1, P2, P3, P4]P5}.

T= {t,, t2}.

I= { (p1, +1), (p2, +1), (p2, +2), (p3, +2), (p4, +2), Ps, +1) }

0 = { (t1, P4), (+2, P5), (t1, P1), (t1, P3)}.

m= {3, 1,0, 1,0}.

