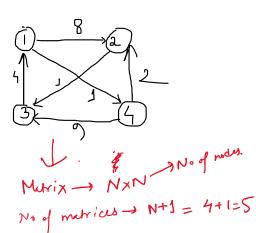
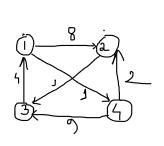
## Floyd warshall u section

07 April 2025 08:20



444

starting pt	Dertination point.
1	2,3,4
2	1,3,4
3	1,2,4
4	1,2,3.



$$D_{0} = 1 \begin{bmatrix} 0 & 8 & \infty & 1 \\ 0 & 8 & \infty & 1 \\ 0 & 0 & 1 & \infty \\ 0 & 4 & \infty & 0 & \infty \\ 0 & 2 & 9 & 0 \end{bmatrix}$$

$$D_{0} = \begin{bmatrix} 1 & 2 & 3 & 4 \\ 0 & 8 & 2 & 1 \\ 0 & 0 & 1 & 2 \\ 0 & 0 & 0 & 2 \\ 0 & 0 & 0 & 2 \\ 0 & 0 & 0 & 2 \end{bmatrix}$$

$$D_{1} = \begin{bmatrix} 2 & 3 & 4 \\ 0 & 8 & 0 \end{bmatrix} D(2 + 6 & 3) V(A)$$

$$\begin{bmatrix} 2 & 0 & 8 & 0 \\ 0 & 8 & 0 \end{bmatrix} = D(2 + 6 & 1) + D(1 + 6 & 3)$$

$$\begin{bmatrix} 4 & 12 & 0 & 5 \\ 4 & 2 & 9 & 0 \end{bmatrix} = D(1 + 6 & 3)$$

$$D_{2} = 1 \begin{bmatrix} 0 & 8 & 9 & 1 \\ 0 & 8 & 9 & 1 \end{bmatrix}$$

$$D_{3} = \begin{bmatrix} 1 & 2 & 3 & 4 \\ 0 & 8 & 9 & 1 \\ 2 & 5 & 0 & 1 & 6 \end{bmatrix}$$

A (S)

D(A to C vin B)
= D(A to B) +
D(B to C)

$$D_{2} = \begin{bmatrix} \begin{bmatrix} 0 & 8 & 9 & 1 \\ 0 & 8 & 9 & 1 \\ 0 & 0 & 1 & 0 \end{bmatrix}$$

$$0_{3} = \begin{bmatrix} \begin{bmatrix} 0 & 8 & 9 & 1 \\ 5 & 0 & 1 & 6 \\ 4 & 12 & 0 & 5 \\ 4 & 12 & 0 & 5 \end{bmatrix}$$

$$1 + 0_{2} + 0_{1} = 2 + 0_{3} + 3 + 3 + 2 = 2 + 0_{3} + 3 + 3 + 3 = 2 = 3 + 5 = 14$$

$$0_{3} = \begin{bmatrix} 1 & 0 & 0 & 0 & 0 \\ 4 & 12 & 0 & 5 \\ 4 & 12 & 0 & 5 \end{bmatrix}$$

$$0_{3} = \begin{bmatrix} 1 & 0 & 0 & 0 & 0 \\ 4 & 12 & 0 & 5 \\ 1 & 2 & 3 & 0 \end{bmatrix}$$

$$0_{4} = \begin{bmatrix} 1 & 0 & 0 & 0 & 0 \\ 4 & 12 & 0 & 5 \\ 1 & 2 & 3 & 0 \end{bmatrix}$$

$$0_{4} = \begin{bmatrix} 1 & 0 & 0 & 0 & 0 \\ 4 & 12 & 0 & 5 \\ 4 & 12 & 0 & 5 \\ 4 & 12 & 0 & 5 \\ 4 & 12 & 0 & 5 \\ 4 & 12 & 0 & 5 \\ 4 & 12 & 0 & 5 \\ 4 & 12 & 0 & 5 \\ 4 & 12 & 0 & 5 \\ 4 & 12 & 0 & 5 \\ 4 & 12 & 0 & 5 \\ 4 & 12 & 0 & 5 \\ 4 & 12 & 0 & 5 \\ 4 & 12 & 0 & 5 \\ 4 & 12 & 0 & 5 \\ 4 & 12 & 0 & 5 \\ 4 & 12 & 0 & 5 \\ 4 & 12 & 0 & 5 \\ 4 & 12 & 0 & 5 \\ 4 & 12 & 0 & 5 \\ 4 & 12 & 0 & 5 \\ 4 & 12 & 0 & 5 \\ 4 & 12 & 0 & 5 \\ 4 & 12 & 0 & 5 \\ 4 & 12 & 0 & 5 \\ 4 & 12 & 0 & 5 \\ 4 & 12 & 0 & 5 \\ 4 & 12 & 0 & 5 \\ 4 & 12 & 0 & 5 \\ 4 & 12 & 0 & 5 \\ 4 & 12 & 0 & 5 \\ 4 & 12 & 0 & 5 \\ 4 & 12 & 0 & 5 \\ 4 & 12 & 0 & 5 \\ 4 & 12 & 0 & 5 \\ 4 & 12 & 0 & 5 \\ 4 & 12 & 0 & 5 \\ 4 & 12 & 0 & 5 \\ 4 & 12 & 0 & 5 \\ 4 & 12 & 0 & 5 \\ 4 & 12 & 0 & 5 \\ 4 & 12 & 0 & 5 \\ 4 & 12 & 0 & 5 \\ 4 & 12 & 0 & 5 \\ 4 & 12 & 0 & 5 \\ 4 & 12 & 0 & 5 \\ 4 & 12 & 0 & 5 \\ 4 & 12 & 0 & 5 \\ 4 & 12 & 0 & 5 \\ 4 & 12 & 0 & 5 \\ 4 & 12 & 0 & 5 \\ 4 & 12 & 0 & 5 \\ 4 & 12 & 0 & 5 \\ 4 & 12 & 0 & 5 \\ 4 & 12 & 0 & 5 \\ 4 & 12 & 0 & 5 \\ 4 & 12 & 0 & 5 \\ 4 & 12 & 0 & 5 \\ 4 & 12 & 0 & 5 \\ 4 & 12 & 0 & 5 \\ 4 & 12 & 0 & 5 \\ 4 & 12 & 0 & 5 \\ 4 & 12 & 0 & 5 \\ 4 & 12 & 0 & 5 \\ 4 & 12 & 0 & 5 \\ 4 & 12 & 0 & 5 \\ 4 & 12 & 0 & 5 \\ 4 & 12 & 0 & 5 \\ 6 & 12 & 0 & 0 \\ 6 & 12 & 0 & 0 \\ 6 & 12 & 0 & 0 \\ 6 & 12 & 0 & 0 \\ 6 & 12 & 0 & 0 \\ 6 & 12 & 0 & 0 \\ 6 & 12 & 0 & 0 \\ 6 & 12 & 0 & 0 \\ 6 & 12 & 0 & 0 \\ 6 & 12 & 0 & 0 \\ 6 & 12 & 0 & 0 \\ 6 & 12 & 0 & 0 \\ 6 & 12 & 0 & 0 \\ 6 & 12 & 0 & 0 \\ 6 & 12 & 0 & 0 \\ 6 & 12 & 0 & 0 \\ 6 & 12 & 0 & 0 \\ 6 & 12 & 0 & 0 \\ 6 & 12 & 0 & 0 \\ 6 & 12 & 0 & 0 \\ 6 & 12 & 0 & 0 \\ 6 & 12 & 0 & 0 \\ 6 & 12 & 0 & 0 \\ 6 & 12 & 0 & 0 \\ 6 & 12 & 0 & 0 \\ 6 & 12 & 0 & 0 \\ 6 & 12 & 0$$