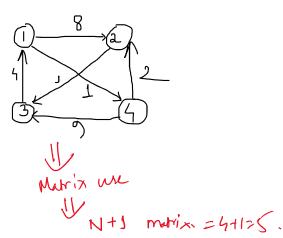
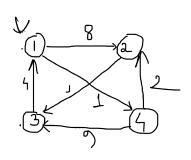
Floyd warshall abaiaj section Floyd warshall abaiaj section



Src	Deet
<u>/</u> 1	2,3,4
) 2	1,3,4
√ 3	1,2,4
J 4.	1,2,3

Dimenin - NXN.



$$D_{0} = \begin{cases} 1 & 2 & 3 & 4 \\ 0 & 8 & \infty & 1 \\ 2 & 0 & 1 & \infty \\ 4 & \infty & 0 & \infty \\ 4 & \infty & 2 & 9 & 0 \end{cases}$$

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

$$D\left(2 + 6 + 4\right) = D\left(1 + 6 + 4\right)$$

$$D(2 + 4) = D(2 + 1) + 0(1 + 4)$$

$$D_{1} = \begin{array}{c} \downarrow \\ \downarrow \\ \downarrow \\ \downarrow \\ 0 & 8 & 0 \\ 2 & 0 & 1 & 0 \\ 3 & 4 & 12 & 0 & 5 \\ 4 & 2 & 2 & 9 & 0 \\ \end{array}$$

$$3-2=3-1+1-2$$
 $=4+8=12$.
 $3-4=3-1+1-4$
 $=4+1=5$

$$D_{1} = \begin{array}{c} 1 & 2 & 3 & 4 \\ 1 \rightarrow \begin{bmatrix} 0 & 8 & \infty & 1 \\ \infty & 0 & 1 & \infty \\ 2 & \infty & 0 & 1 \\ \infty & 0 & 1 & \infty \\ 3 & 4 & 12 & 0 & 5 \\ 2 & 2 & 9 & 0 \\ \end{array}$$

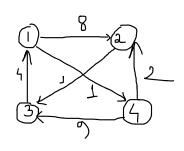
$$\begin{array}{r}
 1-3 = 1-2+2-3 \\
 = 8+1 \\
 = 9. \\
 1-4=1-2+2-9 \\
 = 8+\infty
 \end{array}$$

$$3-4=3-2+2-4$$

= 12+2=0

J-2=1-3+3-2=9+J2=21, J-4=J-3+3-4=9+5=14. 2-1-2-3+3-1-1+4=5 2-4=2-3+3-4=1+5=6. 4-1=4-3+3-1=3+4=7 4-2=4-3+3-2=3+12=15.

$$1-2=1-4+4-2=1+2=3$$
.
 $2-1=2-4+4-1=6+7=13$.
 $3-1=3-4+4-1=5+7=12$



$$D_{4} = \frac{1234}{0341}$$

$$2 = \frac{1234}{5016}$$

$$2 = \frac{1234}{5016}$$

$$3 = \frac{1234}{5016}$$

$$4 = \frac{1236}{5016}$$