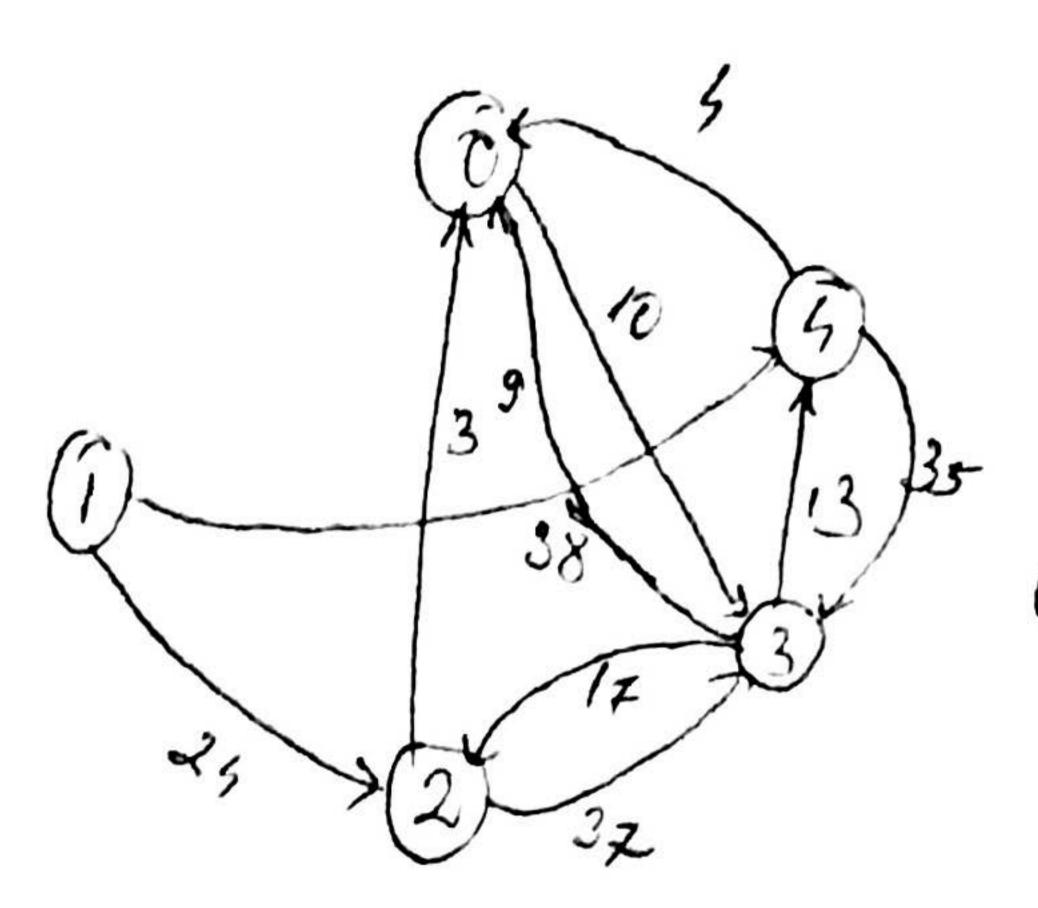
## Floyd - Warhall Algorithm



mext: = successed matrices

$$k=0-\mu ng \ volker \ o \ as \ an \ intermediate \ volker \$$

$$Cordo = \begin{cases} inf \ inf \ inf \ 10 \ 4 \end{cases}$$

$$Sinf \ inf \ 13 \ 7$$

$$Sinf \ inf \ 13 \ 7$$

$$Sinf \ inf \ 13 \ 7$$

$$Sinf \ inf \ 35 \ inf \ 13$$

ken-unig vortex 1 as an informediate vortex

Cost, = 
$$|\vec{m}| |\vec{m}| |\vec{m}|$$

k=2 -> ming vortex a as intermediate vortex k=3 => wing vorter 3 as intermediate voiter K=h => using vortex 4 as in termediate vortex The min imm out walt from solet Vorkx - 0 for end Vortex = 2

The minimum out walt from stort Vorkx - 0 for end Vortex = 2. has the cost Costs (0, 2) = 27 and it is obtained from mexts, wing the 0: using column 2.

start Voitex = 0; mext (0,2)=3, mext (3,2)=202 = and bother. The animin um cost walk: 0 19 3 27 2