











PAGE No. Of All pain shortest path algorithm. - floyd Warshall. 5 4 1 3 00 00 3 4 00 4 1 00 2 5 4 5 V2 6 00 3 0 9: VV 3 Do Maria 00 -00 0 A°(2,3)= 00. A°(2,1)+A(1,3)= 8+6=9 30 Z 311 7 9 40 Sindaly, A° [2,4] A° (2,1)+ A° (1,4)=3+3=6 60

$$A^{\circ}(2,5) = \infty$$
 $A^{\circ}(2,1) + A^{\circ}(1,5) = 3 + \infty$

$$A^{2} = 1 0 0 6 3 0$$

$$2 3 0 9 6 0$$

$$2 3 0 9 6 0$$

$$3 00 00 0 2 0$$

$$4 00 1 1 0 0$$

$$5 7 4 13 2 0$$

$$A'(1,3) = 6$$

$$A'(1,2) + A'(2+3) = \infty + 9.$$

$$A^{3} = 1 \quad 0 \quad \infty \quad 6 \quad 3 \quad \infty$$

$$2 \quad 3 \quad 0 \quad 9 \quad 6 \quad \infty$$

$$3 \quad \infty \quad \infty \quad 0 \quad 2 \quad \infty$$

$$4 \quad \infty \quad 1 \quad 1 \quad 0 \quad \infty$$

$$5 \quad 7 \quad 4 \quad 13 \quad 2 \quad 0$$

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