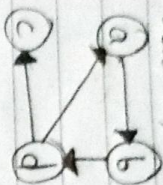


DYNAMIC PROGRAMMING
(Lab 5)

$$R(0) = \begin{bmatrix} a & b & c & d \\ a & 0 & 1 & 0 \\ b & 0 & 0 & 1 \\ c & 0 & 0 & 0 \\ d & 1 & 0 & 1 \end{bmatrix}$$

$$R(1) = \begin{bmatrix} a & b & c & d \\ a & 0 & 1 & 0 \\ b & 0 & 0 & 1 \\ c & 0 & 0 & 0 \\ d & 1 & 0 & 1 \end{bmatrix}$$

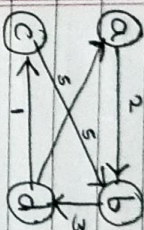
$$R(2) = \begin{bmatrix} a & b & c & d \\ a & 0 & 1 & 0 \\ b & 0 & 0 & 1 \\ c & 0 & 0 & 0 \\ d & 1 & 1 & 1 \end{bmatrix}$$

$$R(3) = \begin{bmatrix} a & b & c & d \\ a & 0 & 1 & 0 \\ b & 0 & 0 & 1 \\ c & 0 & 0 & 0 \\ d & 1 & 1 & 1 \end{bmatrix}$$

$$R(4) = \begin{bmatrix} a & b & c & d \\ a & 0 & 1 & 0 \\ b & 0 & 0 & 1 \\ c & 0 & 0 & 0 \\ d & 1 & 1 & 1 \end{bmatrix}$$

$$R(5) = \begin{bmatrix} a & b & c & d \\ a & 1 & 1 & 1 \\ b & 1 & 1 & 1 \\ c & 0 & 0 & 0 \\ d & 1 & 1 & 1 \end{bmatrix}$$

Floyd's



$$R(0) = \begin{bmatrix} a & b & c & d \\ a & 0 & 2 & 5 \\ b & \infty & 0 & 3 \\ c & 5 & 5 & 0 \\ d & 5 & \infty & 1 \end{bmatrix}$$

$$R(1) = \begin{bmatrix} a & b & c & d \\ a & 0 & 2 & 5 \\ b & \infty & 0 & 3 \\ c & 5 & 5 & 0 \\ d & 5 & 7 & 1 \end{bmatrix}$$

$$R(2) = \begin{bmatrix} a & b & c & d \\ a & 0 & 2 & 5 \\ b & \infty & 0 & 3 \\ c & 5 & 5 & 0 \\ d & 5 & 7 & 1 \end{bmatrix}$$

$$R(3) = \begin{bmatrix} a & b & c & d \\ a & 0 & 2 & 5 \\ b & \infty & 0 & 3 \\ c & 5 & 5 & 0 \\ d & 5 & 6 & 1 \end{bmatrix}$$

$$R(4) = \begin{bmatrix} a & b & c & d \\ a & 0 & 2 & 5 \\ b & 8 & 0 & 4 \\ c & 13 & 5 & 0 \\ d & 5 & 6 & 1 \end{bmatrix}$$