

4<sup>th</sup> iteration

(1)  $x = 3$

$$\begin{aligned} (2) \quad \pi(x) = \pi(3) &= \min \{ \pi(1) + 6, \pi(1) + 3, \pi(2) - 1, \pi(4) - 3 \} \\ &= \min \{ 18, 8, 1, +2 \} = +1 \\ &= \pi(2) + d(2,3) \end{aligned}$$

$$A = \{(1,1), (1,2), (2,4)', (2,3)\} \quad S = \{1, 2, 3, 4\}$$

5<sup>th</sup> iteration

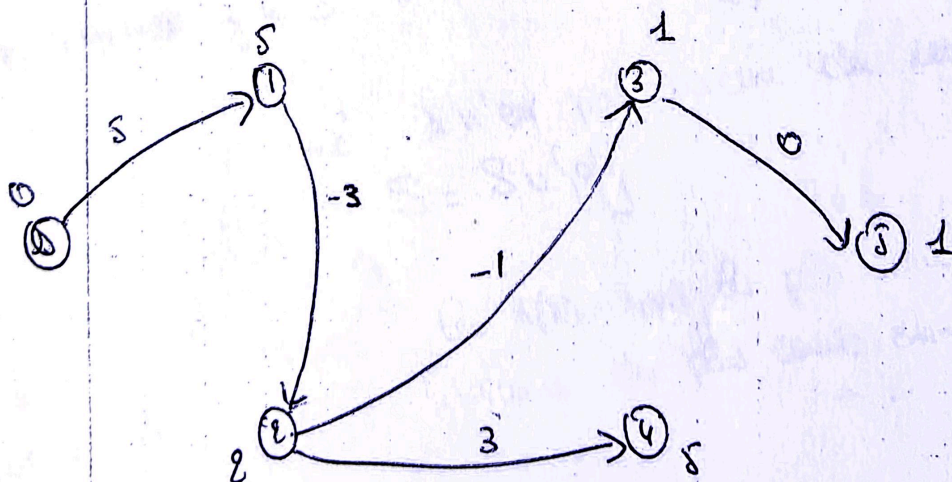
(1)  $x = 5$

$$\begin{aligned} (2) \quad \pi(x) = \pi(5) &= \min \{ \pi(3) + 0, \pi(4) + 6 \} = \min \{ 1, 11 \} \\ &= \pi(3) + d(3,5) \end{aligned}$$

$$A = \{(1,1), (1,2), (2,4)', (2,3), (3,5)\} \quad S = \{1, 2, 3, 4, 5\}$$

6<sup>th</sup> iteration

(1)  $x$  n'existe pas  $S = X$  'terminé'



$A =$  Arborescence des plus courts chemins de  $R = (V, d)$