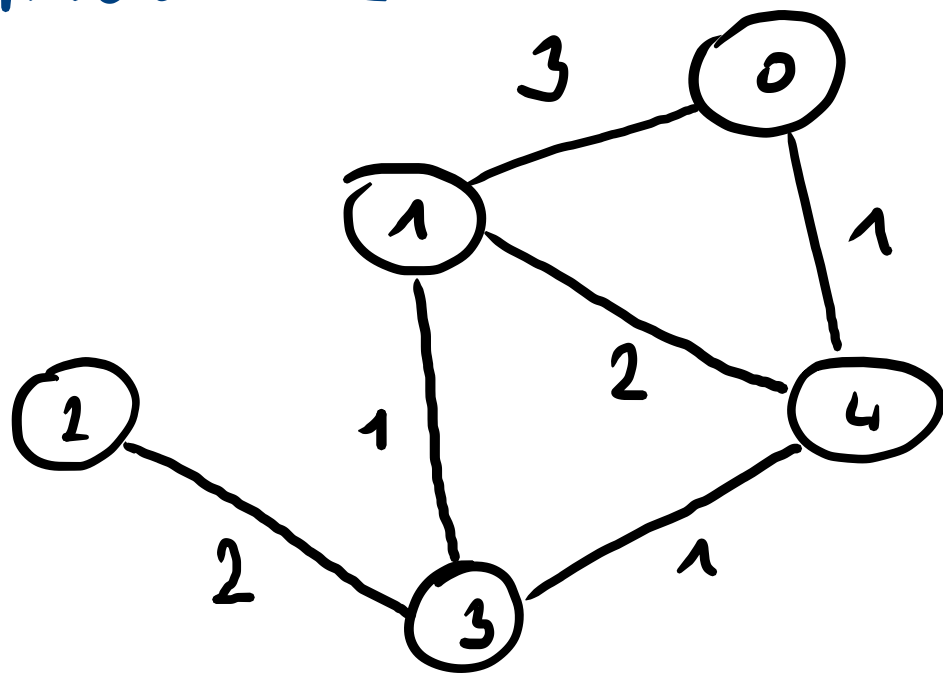


\bar{P}_r .

0.) initialize



$r = 1$

$key = [\infty, 0, \infty, \infty, \infty]$

$\pi = [NULL, NULL, NULL, NULL, NULL]$

$Q = [0, 1, 2, 3, 4]$

1.) $u = 1$

$Q = [0, 2, 3, 4]$

$v \in \{0, 3, 4\}$

$key = [3, 0, \infty, 1, 2]$

$\pi = [1, NULL, NULL, 1, 1]$

