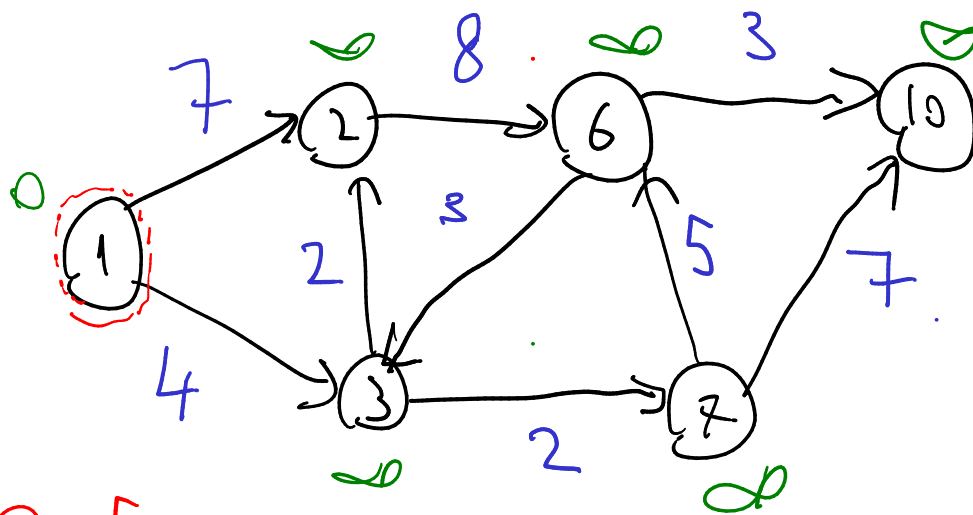
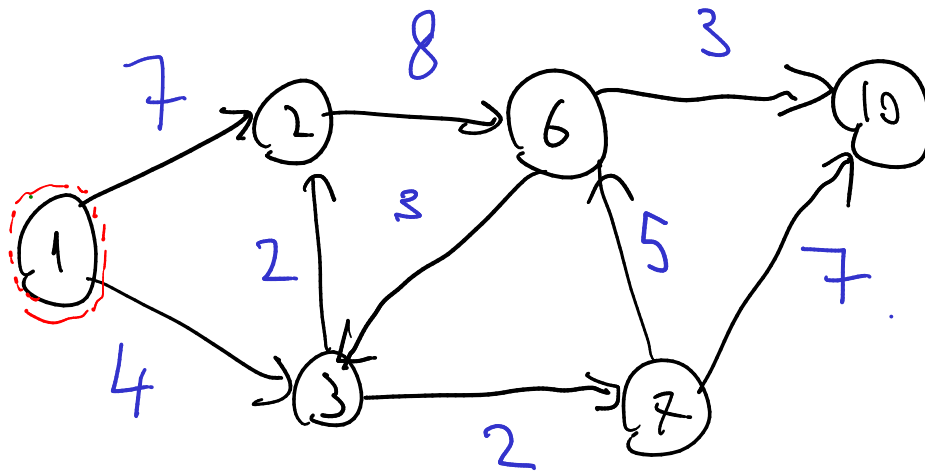


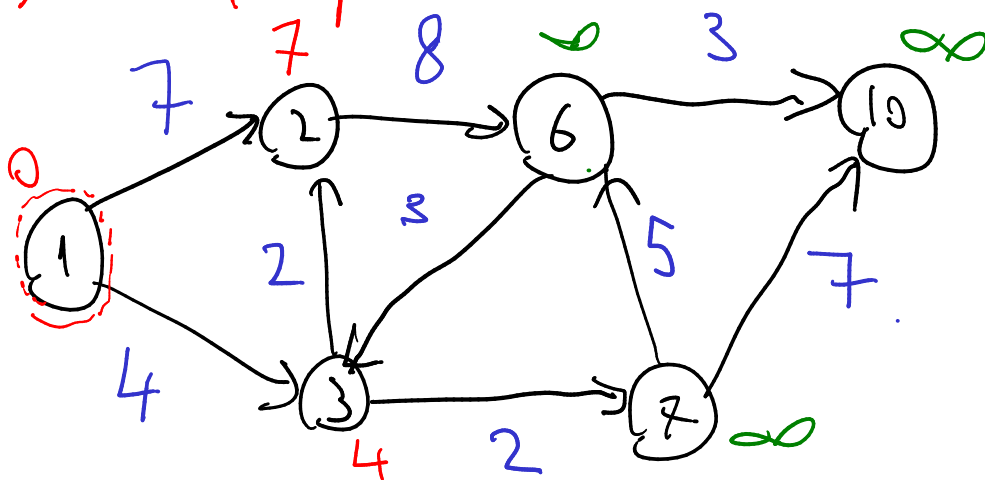
Find the shortest path tree for the following graph:-



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

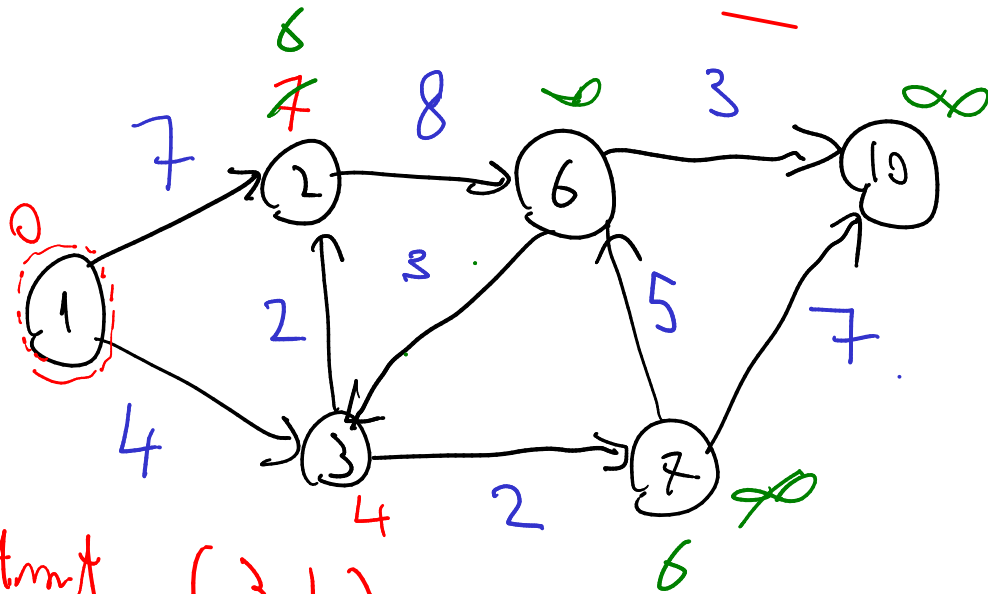
$$Q = [(1, 0), (2, \infty), \dots, (10, \infty)]$$

Extract + update



$path = [0, 1, \infty]$

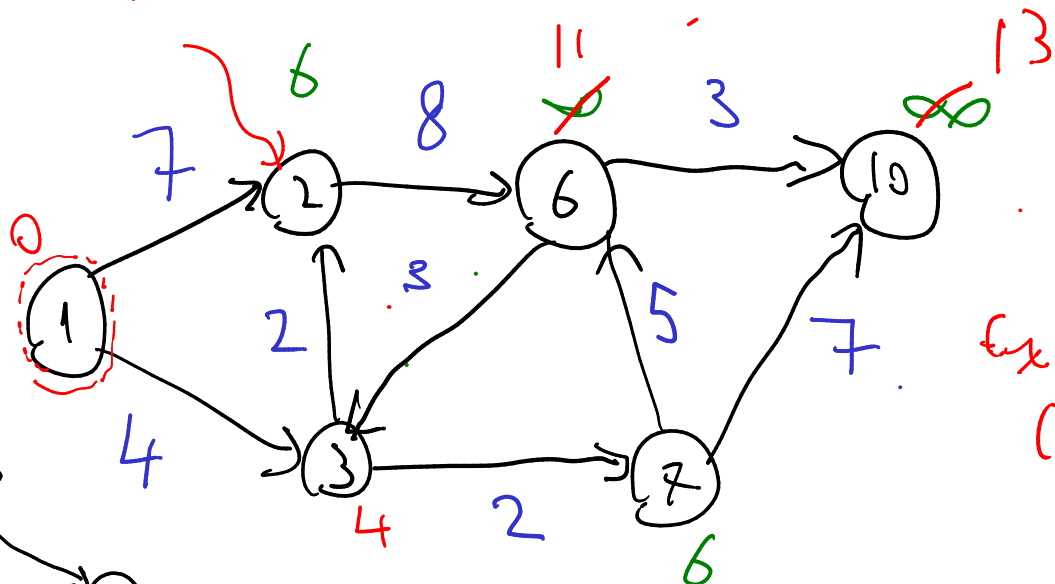
$$Q = [(2, 7), (3, 4) \dots (10, \infty)]$$



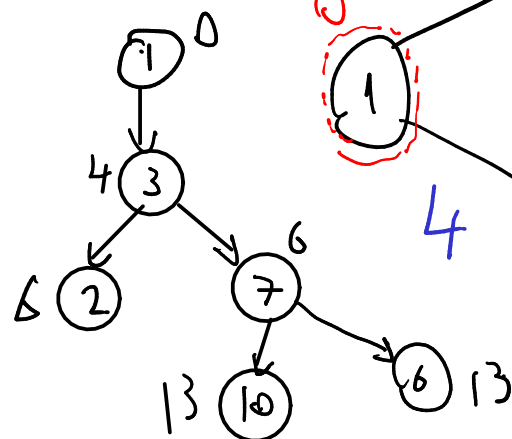
Extract  $(3, 4) \rightarrow \text{update}$

$$Q = [(2, 6), (6, \infty), (7, 6), (10, \infty)]$$

No update



Extract  $(7, 6)$



In nete work

