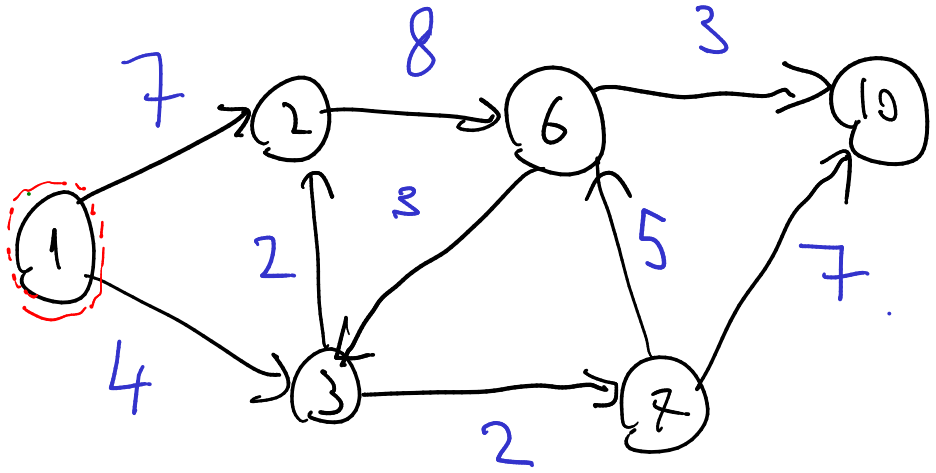
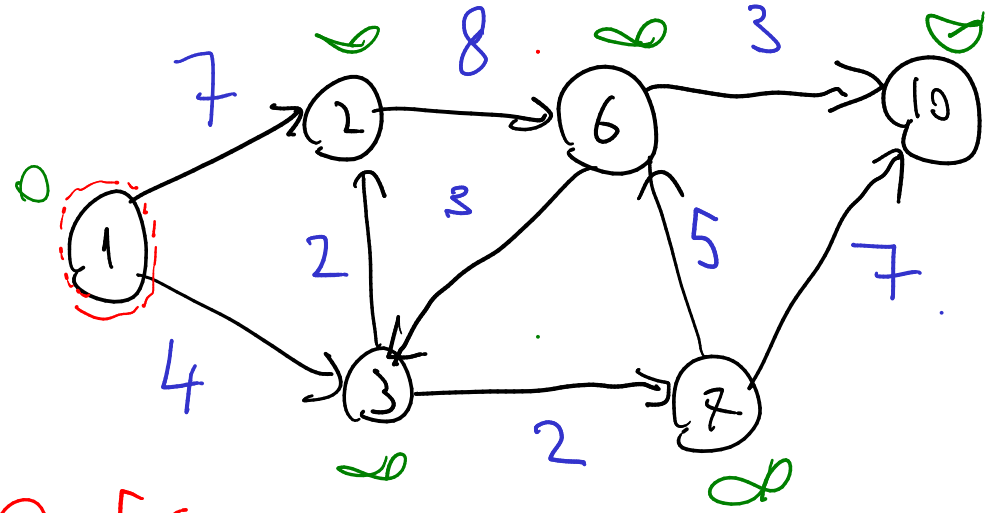
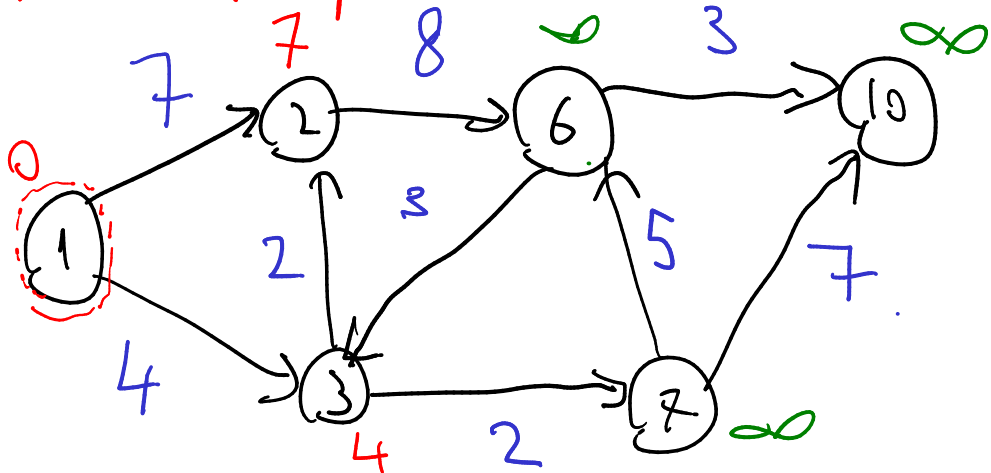
Find the shortest path tree for the following graph:-



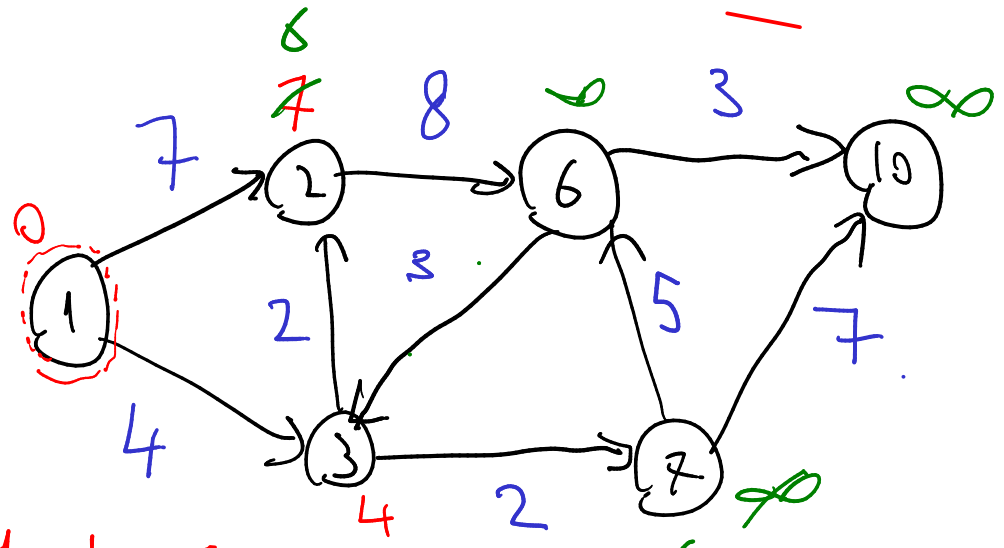




$Q = [(1,0), (2,\infty), \ldots (10,\infty)]$

Extract + update

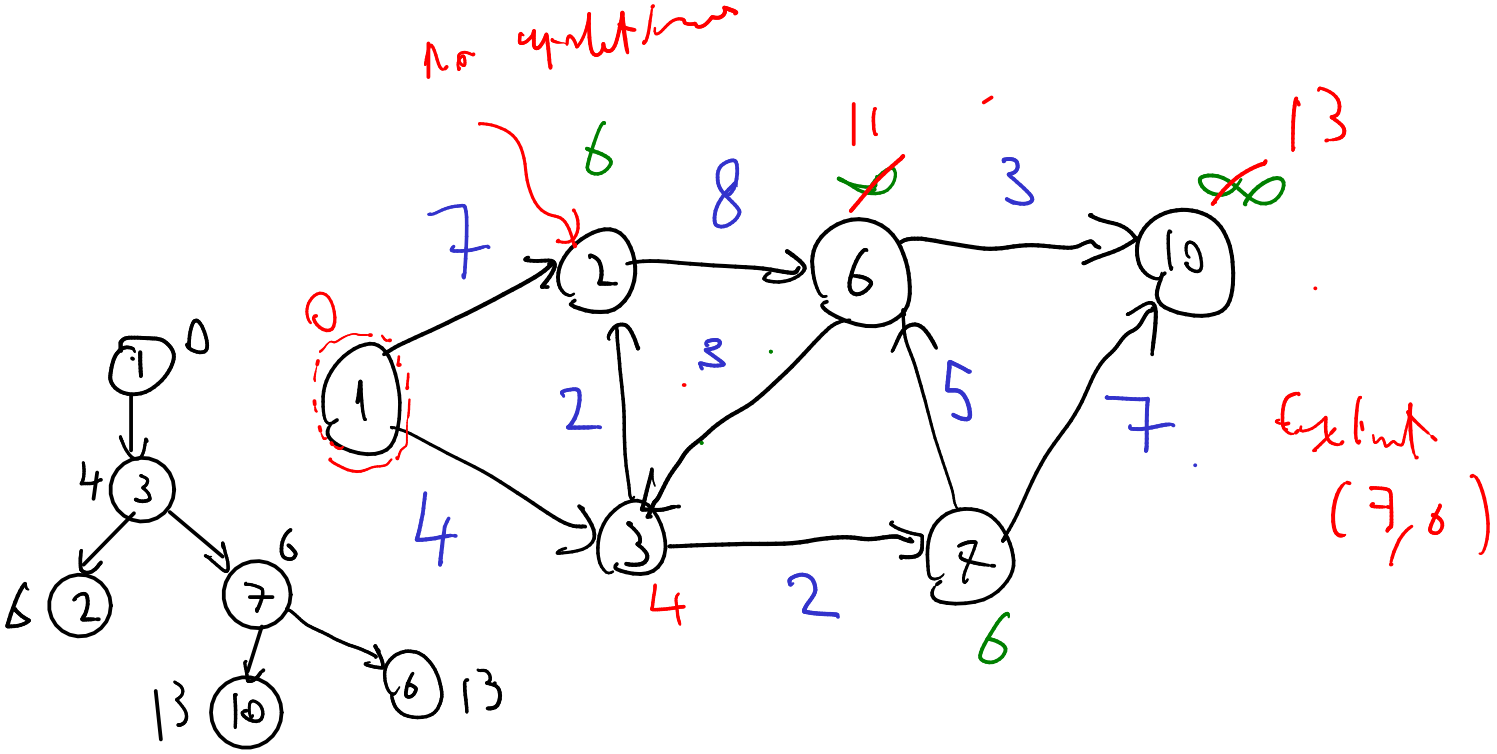


$Q = [(2,7), (3,4) \ldots (10,\infty)]$




Extract $(3,4)$ → update

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



In network