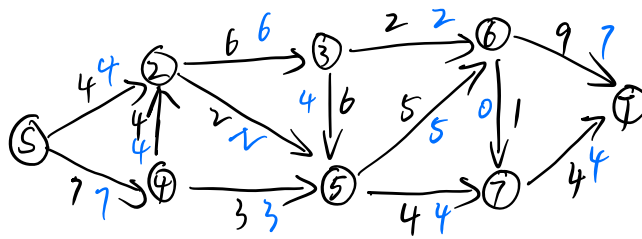


Q1.1



i: the shortest augmenting path:

S-2-5-7-T, bottle neck: 2

ii: the highest capacity augmenting path:

S-4-2-3-5-6-7.

bottle neck: 4