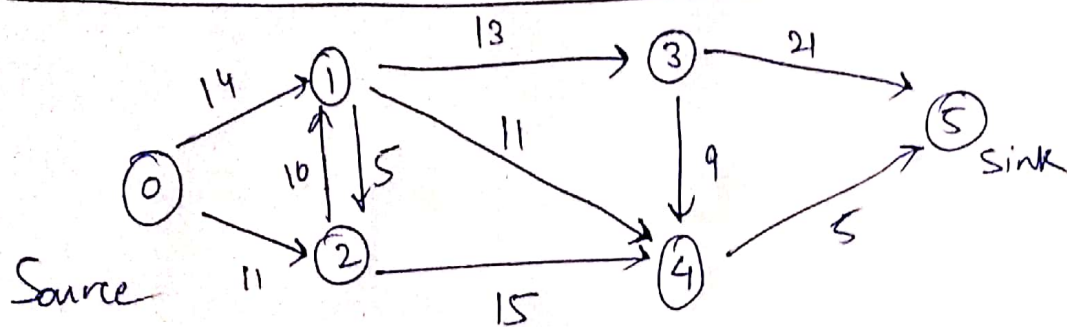


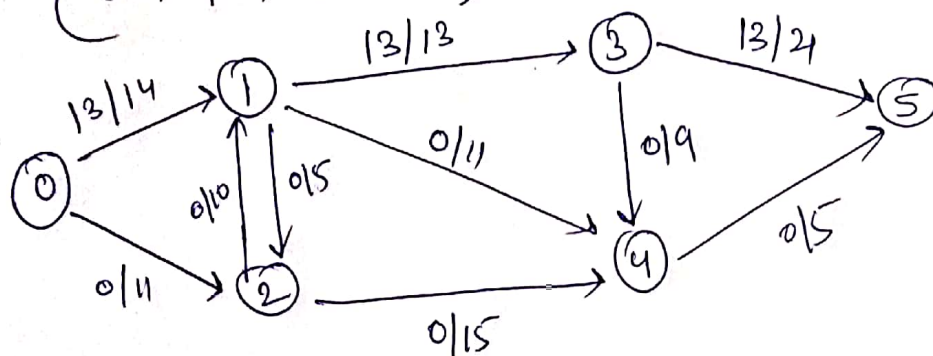
# Computer Vision (CV) H.W. 9

Arka Sarkar ; 2018222

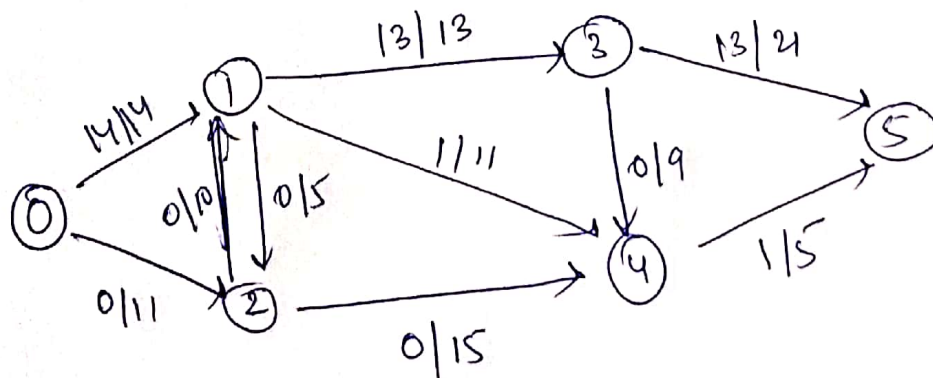


A Bottleneck =  $\min(14, 13, 21) = 13$  for path

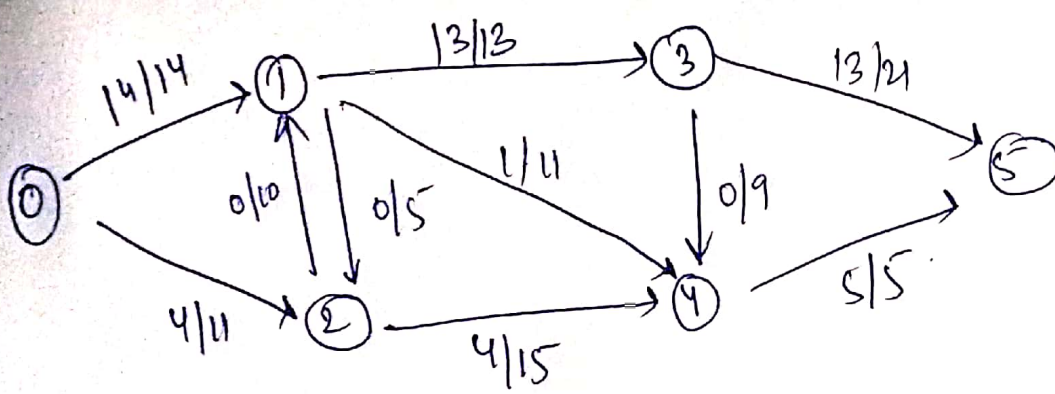
$(0 \rightarrow 1 \rightarrow 3 \rightarrow 5)$



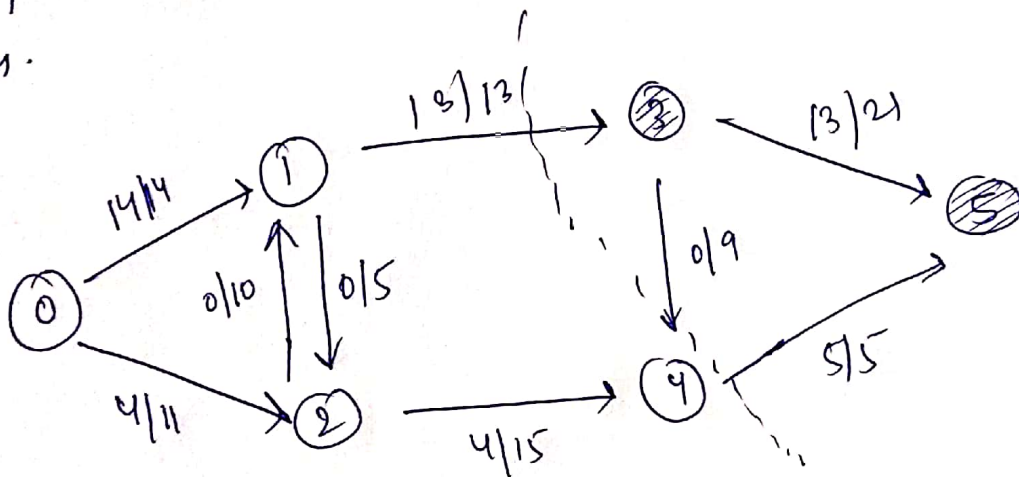
B  $(0 \rightarrow 1 \rightarrow 4 \rightarrow 5)$ , Bottleneck =  $\min(11, 15, 5) = 5$



C  $(0 \rightarrow 2 \rightarrow 4 \rightarrow 5)$ , Bottleneck =  $\min(11, 15, 5) = 5$



Now, no more augmented paths are possible, hence we find the reachable and the non-reachable nodes.



Nodes ③ and ⑤ are Non-Reachable.

Hence min cut =  $(3,4), (1,3), (4,5)$

Max flow =  $0 + 13 + 5 = 18$