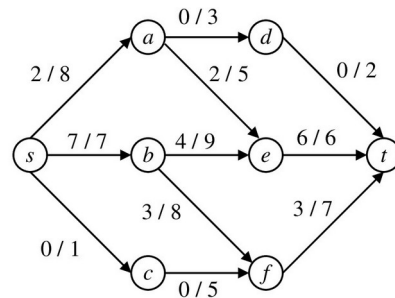
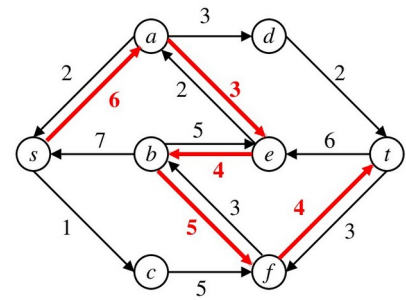


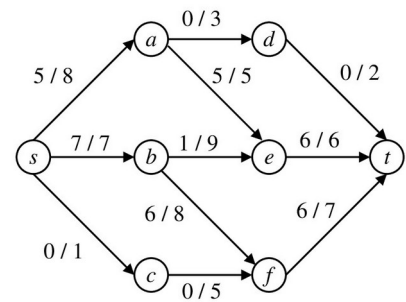
Variant 1



Network in the question

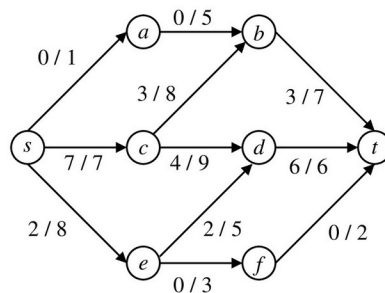


The residual network with a path of the maximum residual capacity

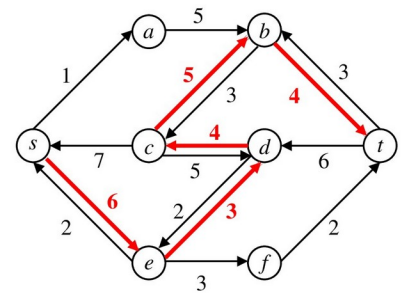


The network after augmentation

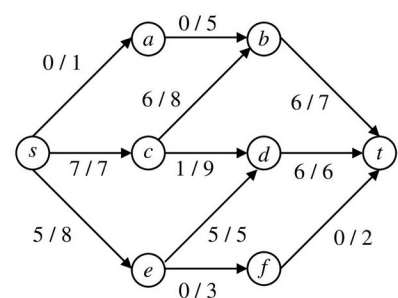
Variant 2



Network in the question



The residual network with a path of the maximum residual capacity



The network after augmentation

Grading Guidelines

Residual network:

Forward edges – 1 mark

Backward edges – 1 mark

Augmenting path [may be marked in the residual network or written as a path]:

1 mark for finding any correct augmenting path

1 mark if the path of the highest residual capacity is correctly selected

Network with augmented flow: 2 marks