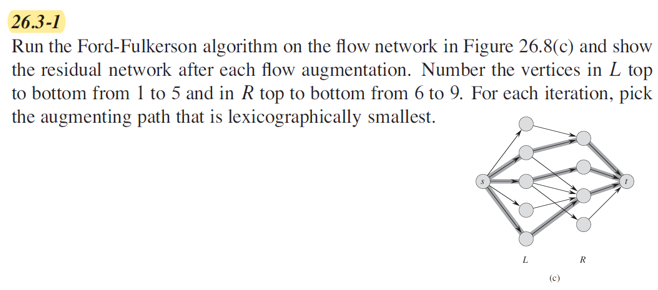
Luis Franco 410921353

Homework 5



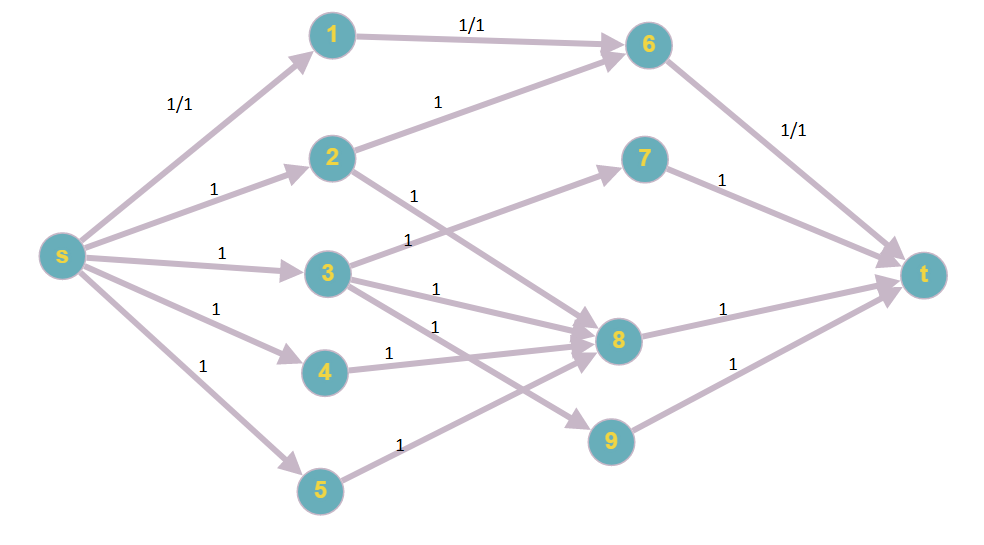
Assuming same weight for every edge (1):

Chart

Description automatically generated

Augmenting Path: S, 1, 6, t

Residual Graph

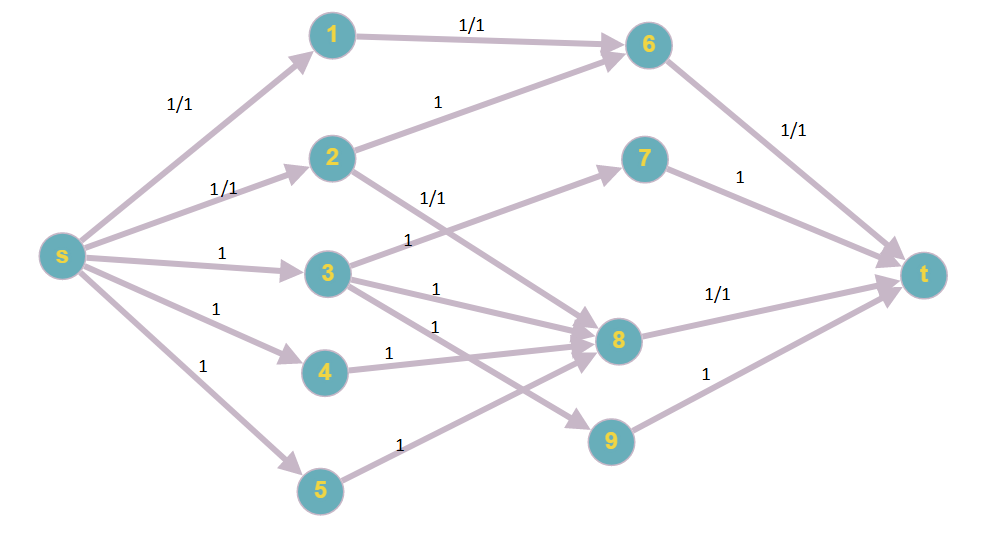


A picture containing air

Description automatically generated

Augmenting Path: S, 2, 8, t

Residual Graph

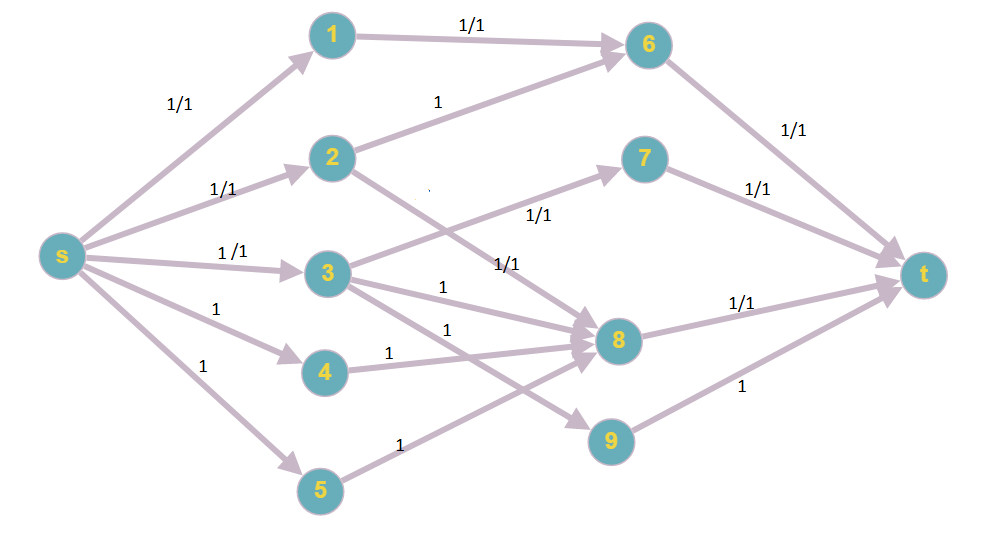


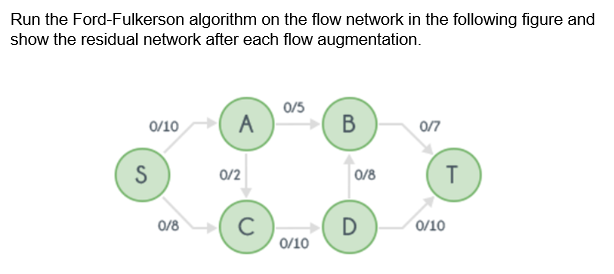
Chart

Description automatically generated

Augmenting Path: S, 3, 7, t

Residual Graph

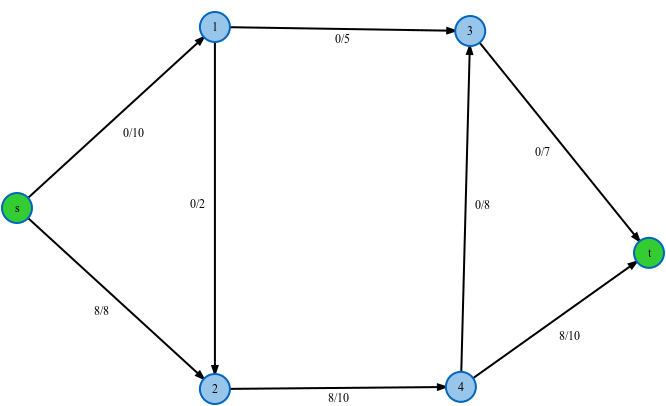




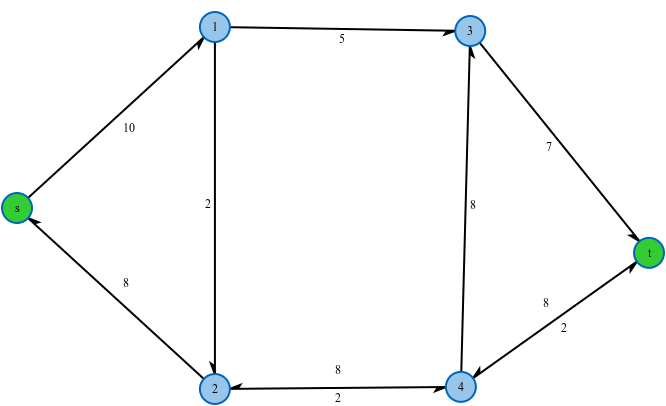
First augmentation:

A picture containing shape

Description automatically generated



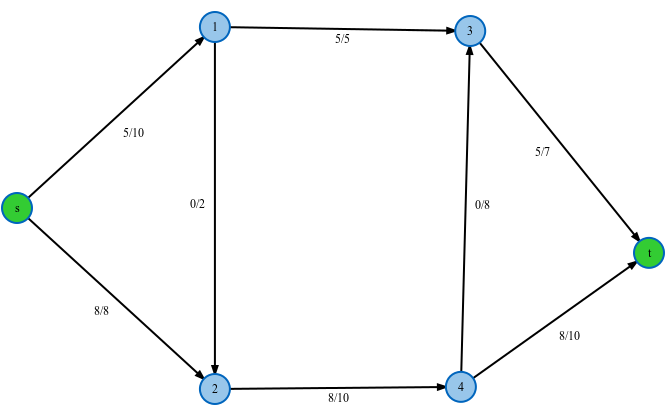
Residual Graph:



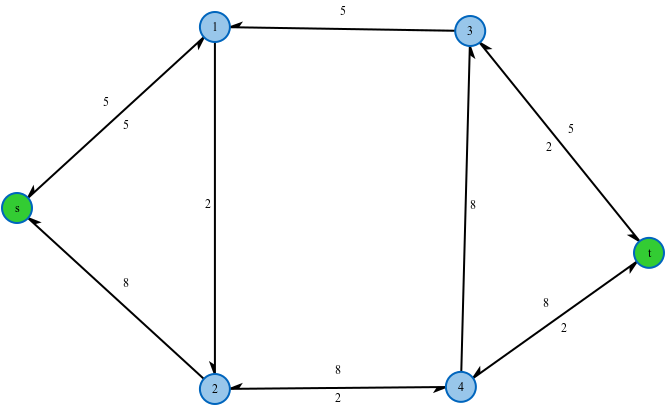
Second augmentation:

A picture containing line chart

Description automatically generated



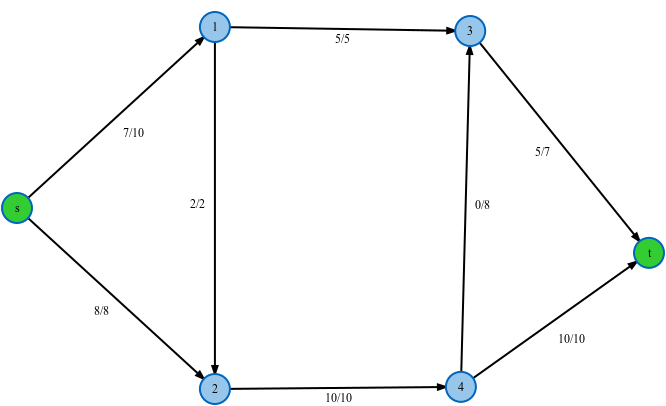
Residual Graph:



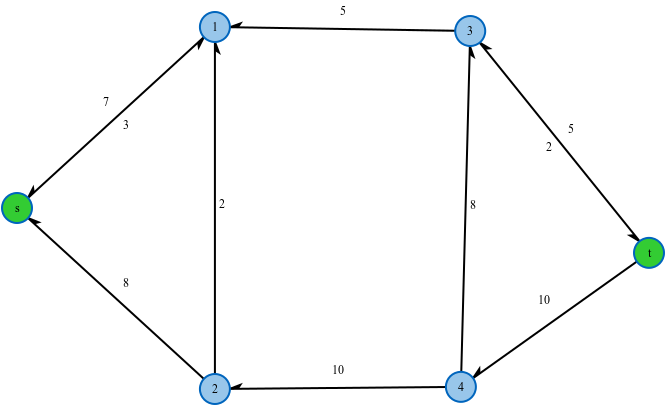
Third augmentation:

A picture containing shape

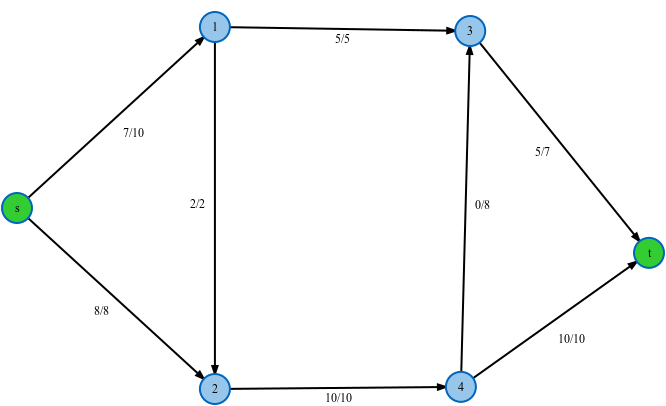
Description automatically generated



Residual Graph:



Result:



Max flow: 15