

Start

Construct a flow network

Take a source node, s ,
and sink node, t , as input

Is there an
augmenting path through
the network?

Yes

Find an augmenting path
via an un-weighted BFS
on the graph

Update the capacity and
residual values for all
edges in the augmenting
path

Find the bottleneck value
of the augmenting path

No

Calculate the maximum
flow (sum of the flow
entering the sink)

End

