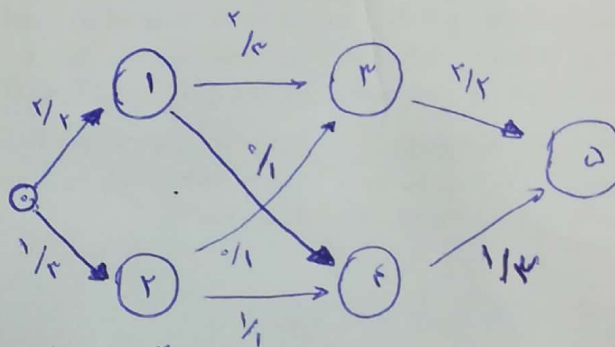


## Flow/Residual Network Worksheet

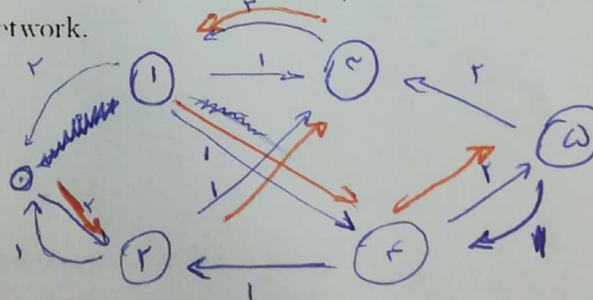
The table below shows the capacity and flow for each directed edge in a flow network with source 0 and sink 5.

Directed edge	capacity	flow
(0,1)	2	2
(0,2)	3	1
(1,3)	3	2
(1,4)	1	0
(2,3)	1	0
(2,4)	1	1
(3,5)	2	2
(4,5)	3	1

1. Draw the flow network.



2. Draw the residual network.



3. Identify an augmenting path from the source to the sink in the residual network.

با فرد کار (5) تا رنجی شل داده شده