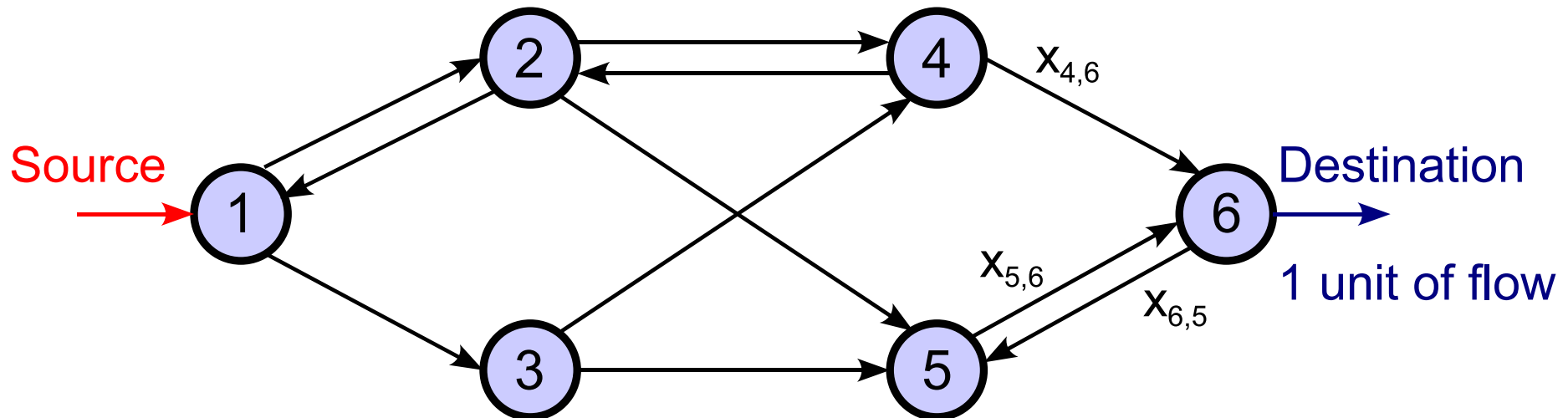


Conservation of flow: Destination node



- What goes in = What goes out
 - Flow going into node 6 from neighboring nodes = $x_{4,6} + x_{5,6}$
 - Second index is "6"
 - Flow going from node 6 to neighboring nodes = $x_{6,5}$
 - First index is "6"
 - Flow going from node 6 to external = 1
 - Therefore, we have

$$x_{4,6} + x_{5,6} = x_{6,5} + 1$$