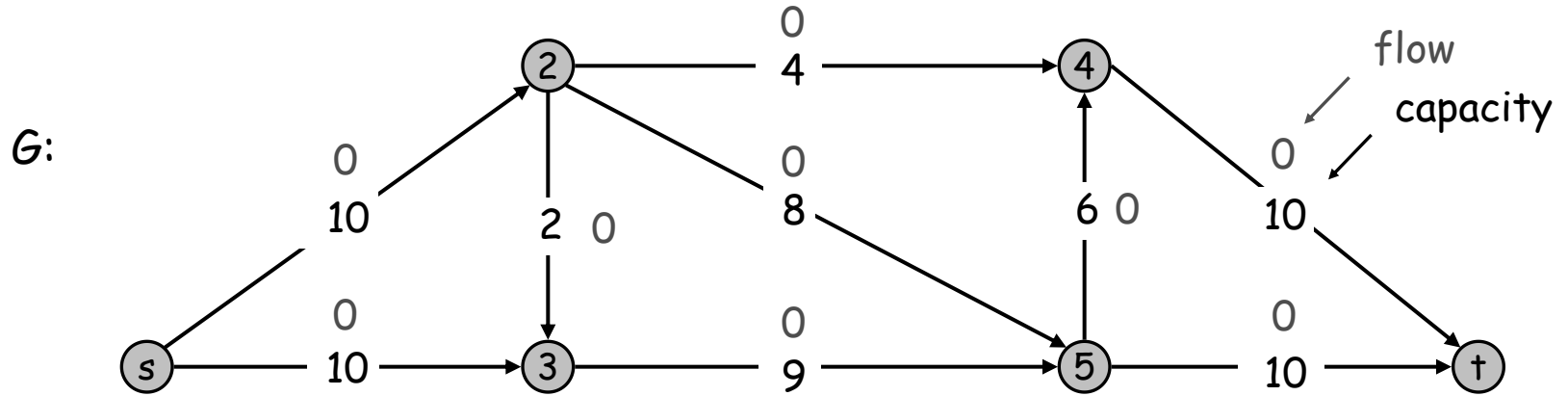


# 7. Ford-Fulkerson Demo

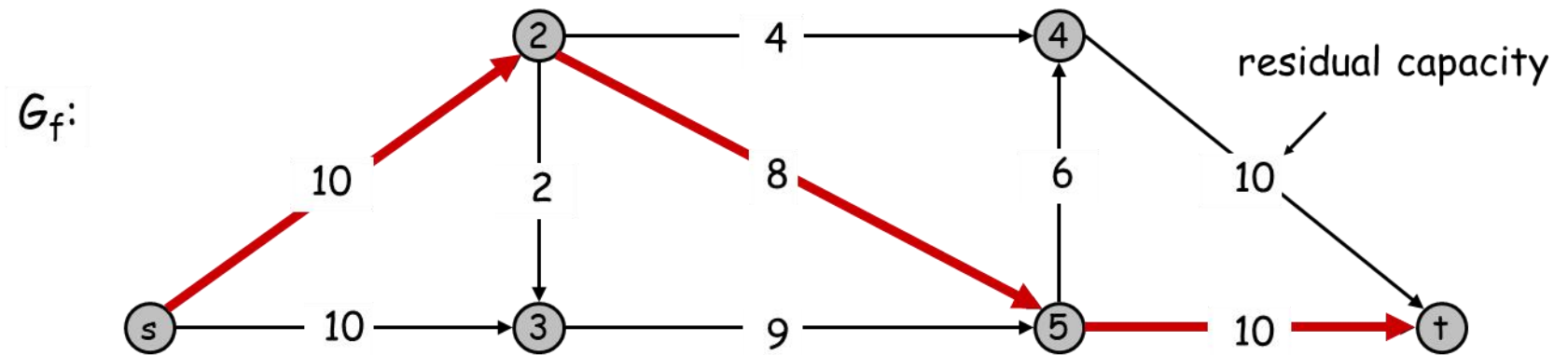
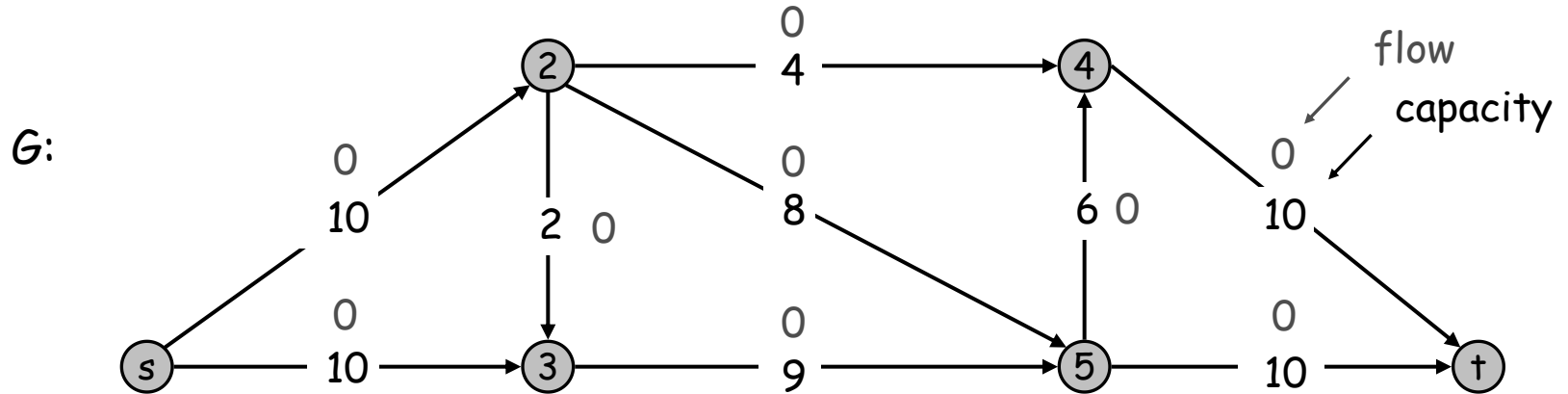
---

# Ford-Fulkerson Algorithm

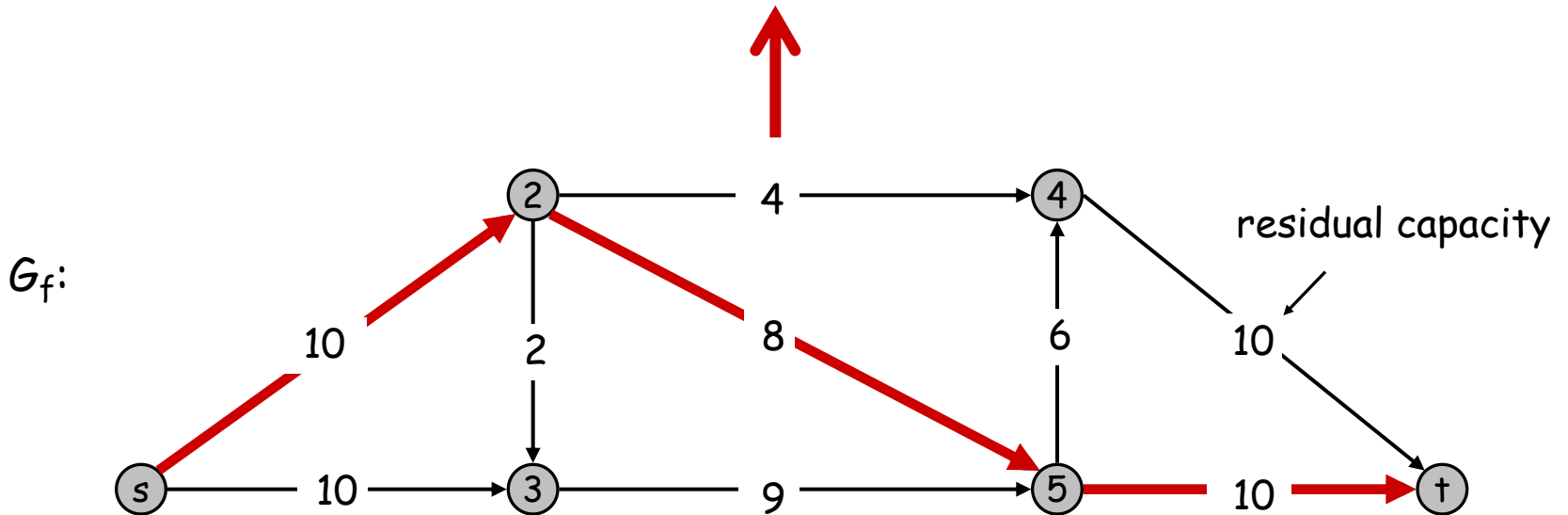
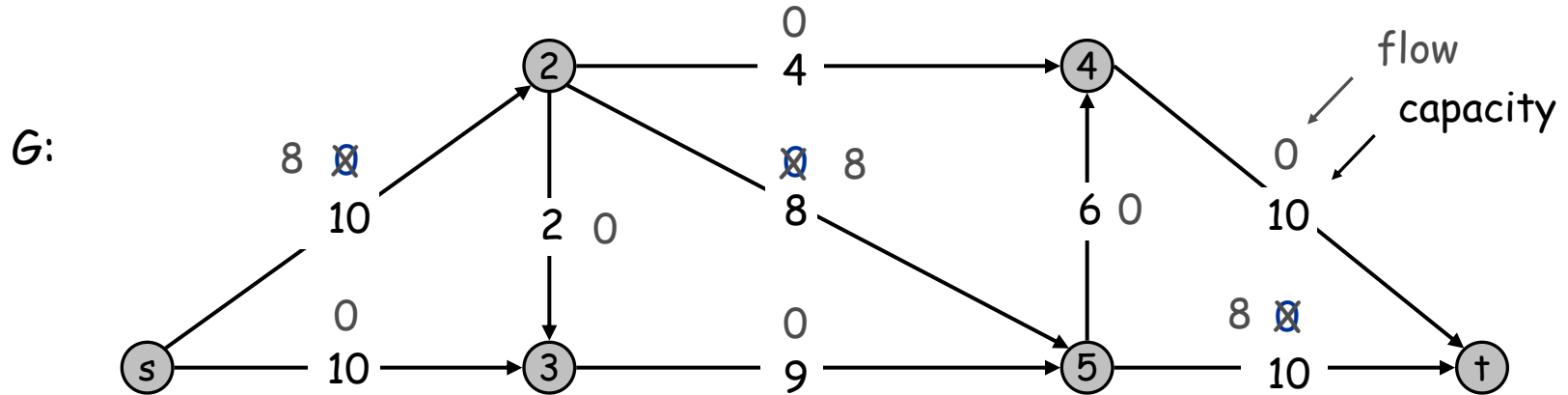


Flow value = 0

# Ford-Fulkerson Algorithm

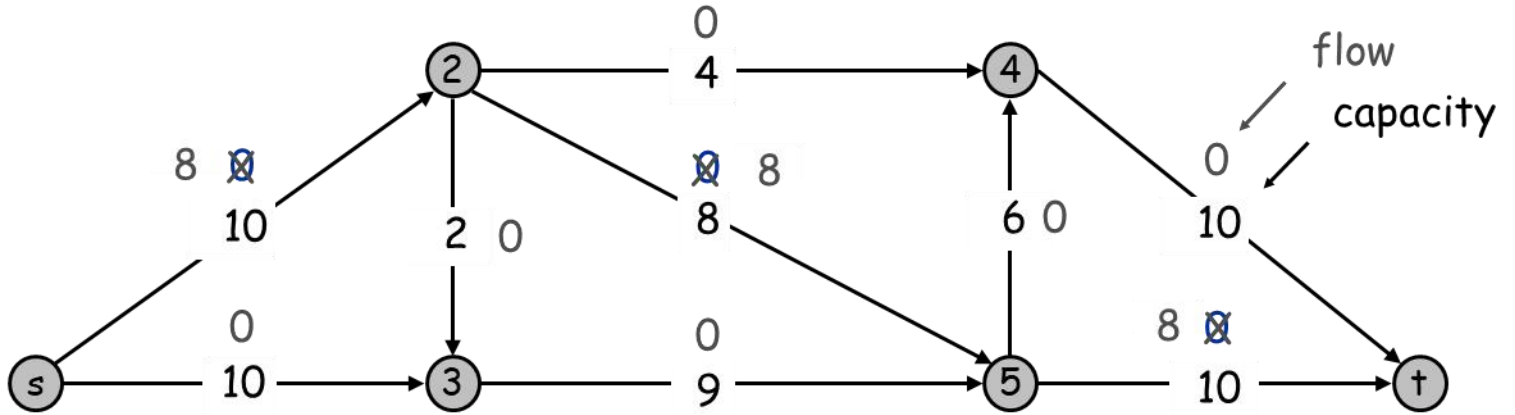


# Ford-Fulkerson Algorithm

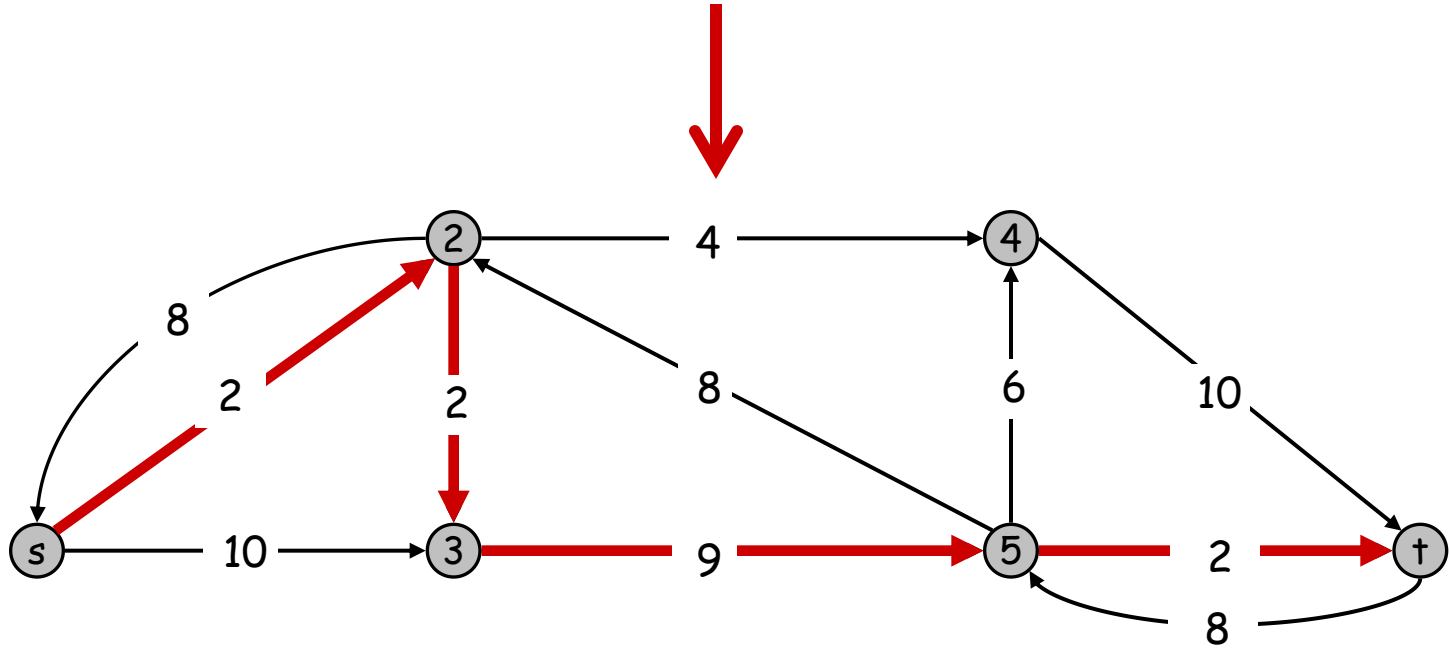


# Ford-Fulkerson Algorithm

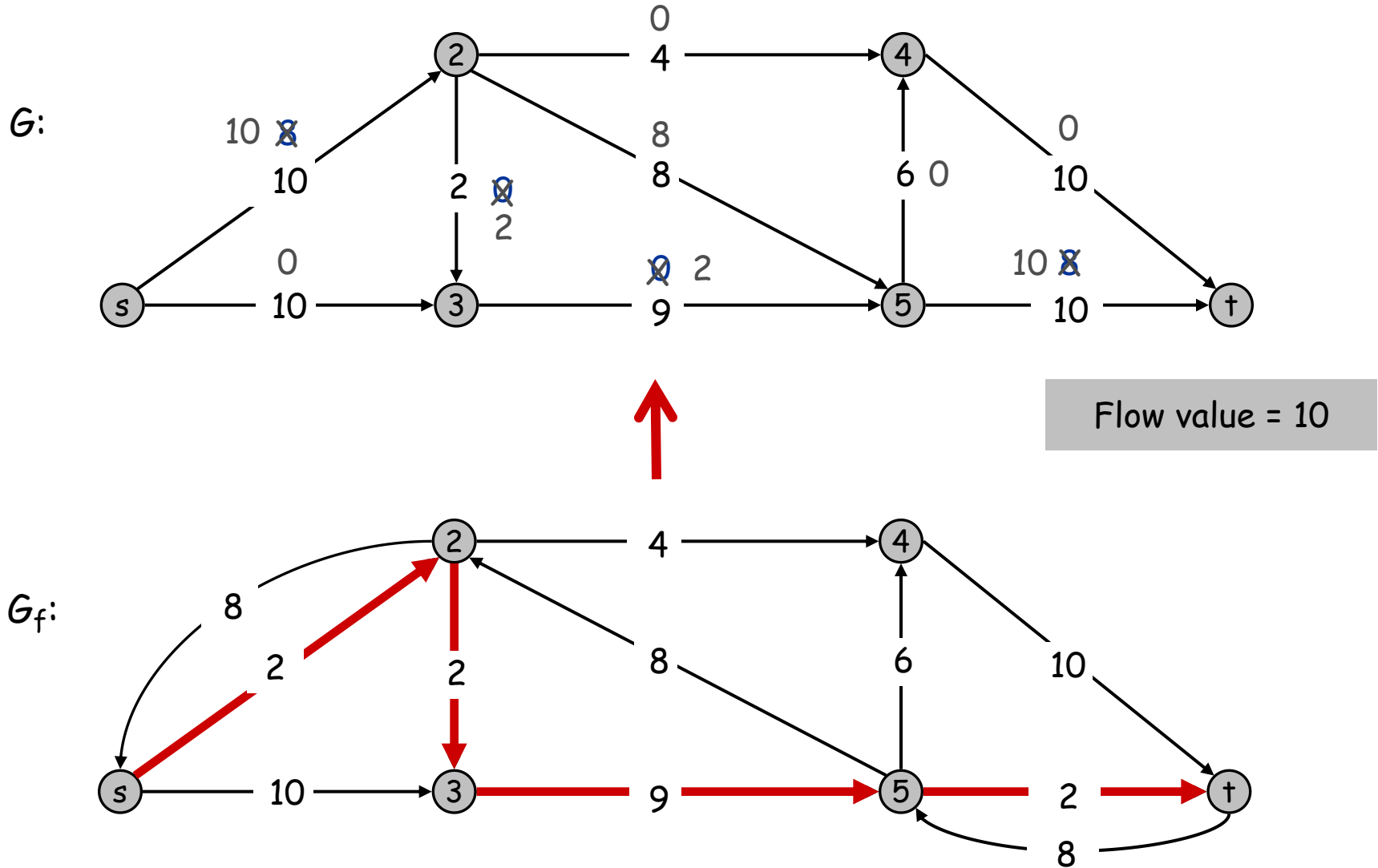
$G$ :



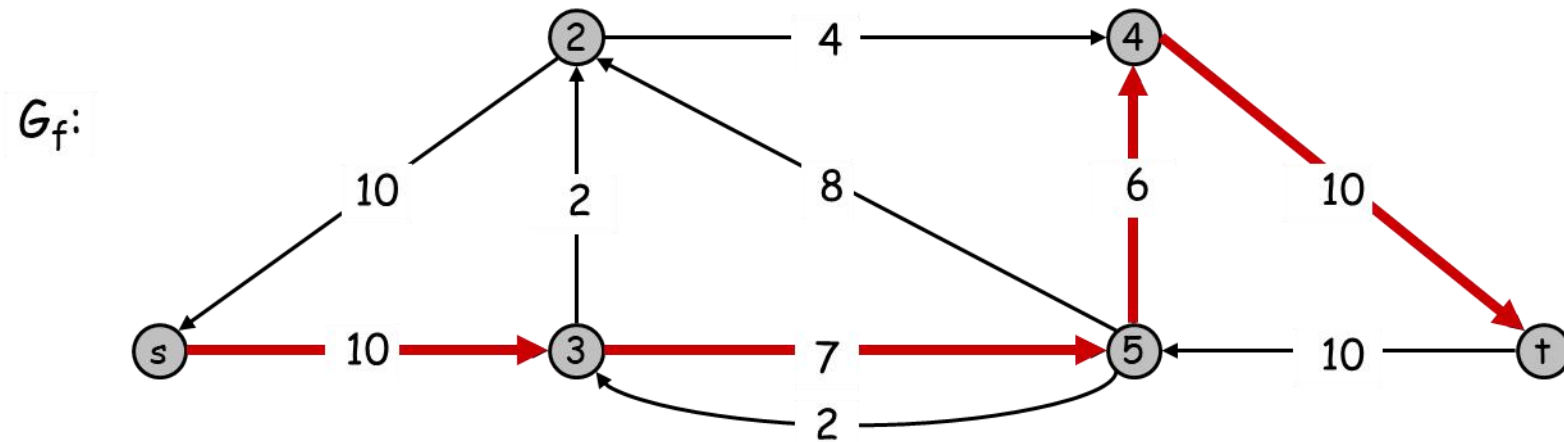
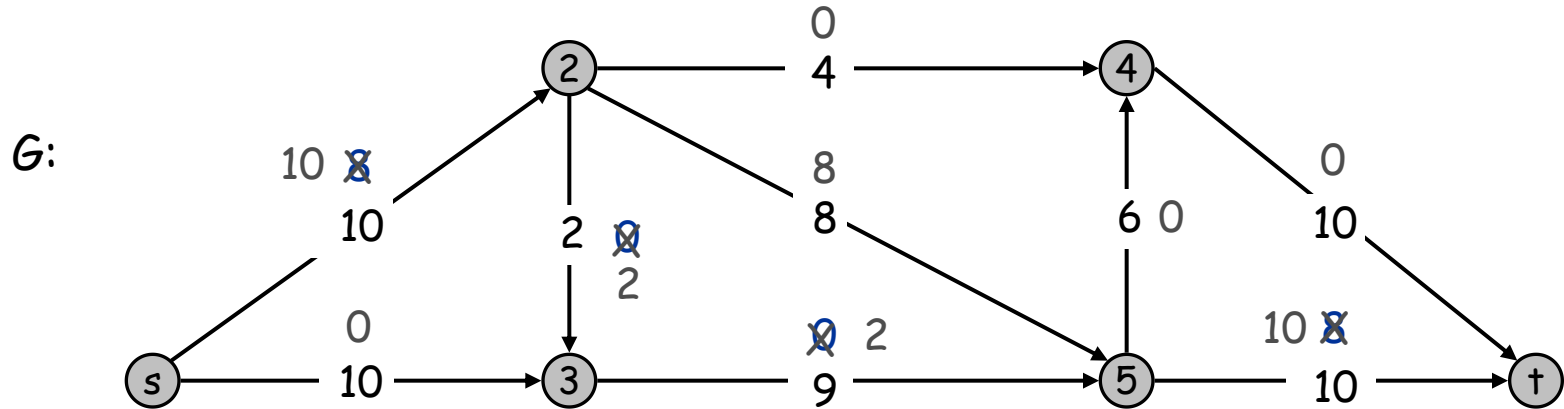
$G_f$ :



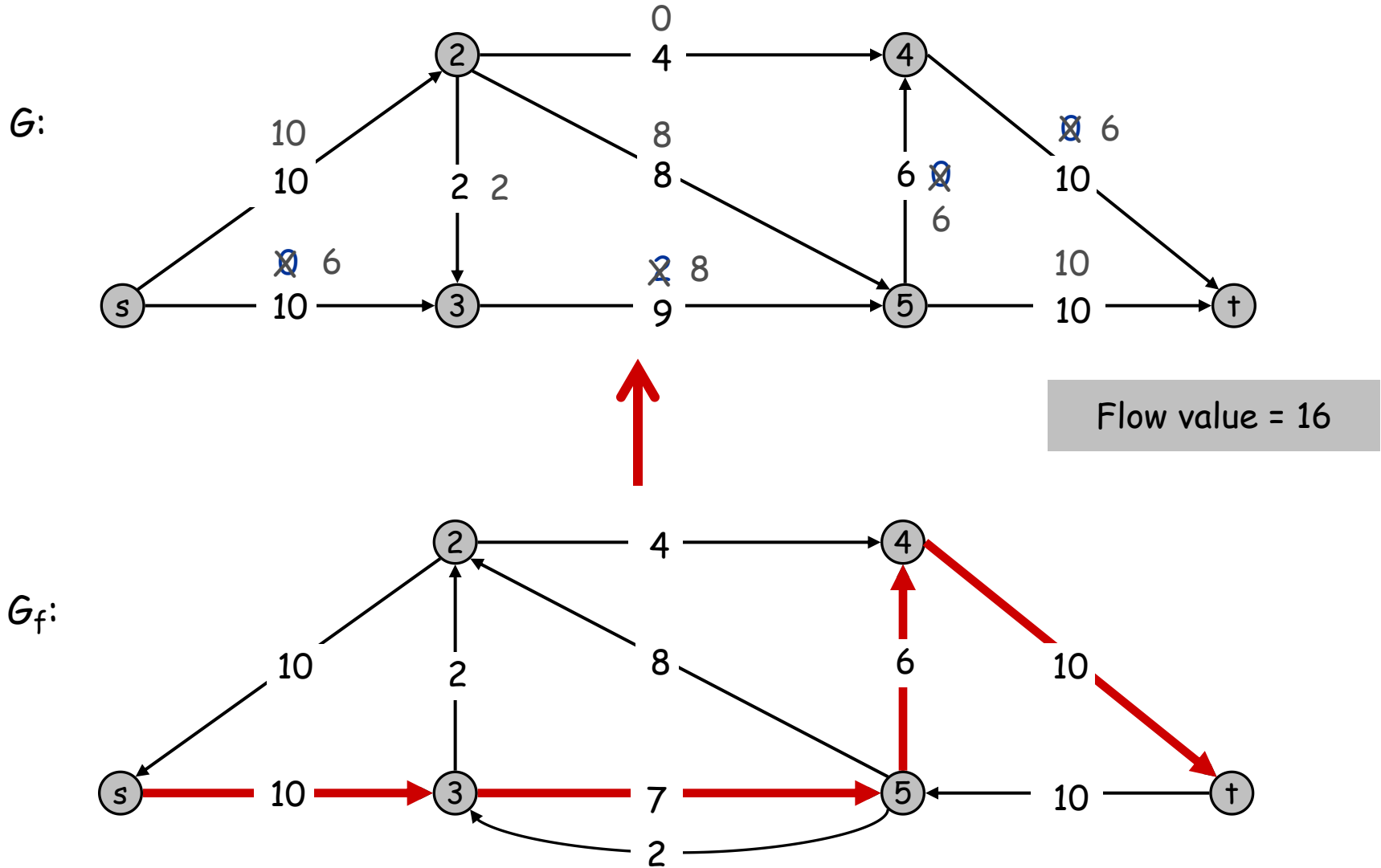
# Ford-Fulkerson Algorithm



# Ford-Fulkerson Algorithm



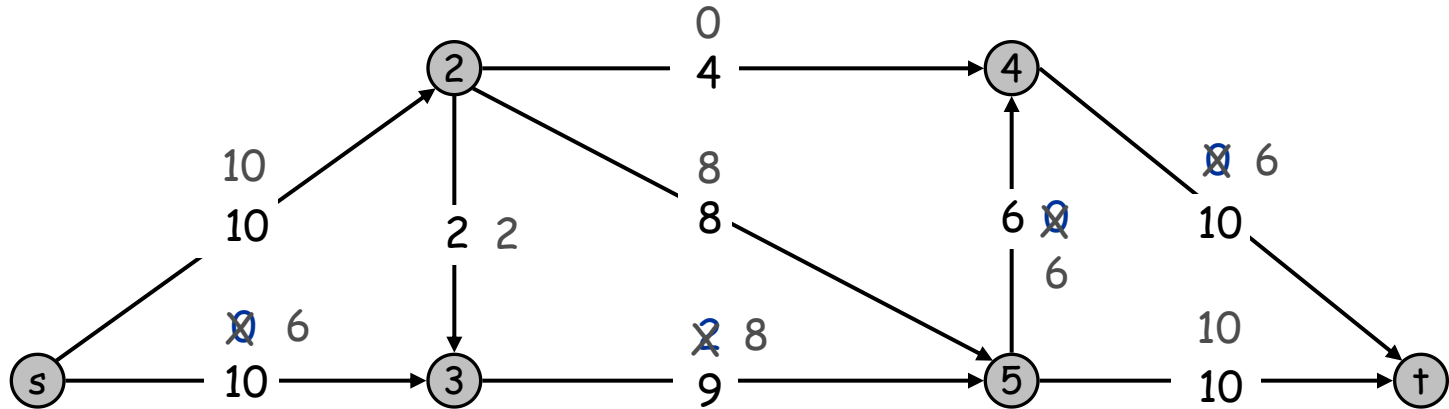
# Ford-Fulkerson Algorithm



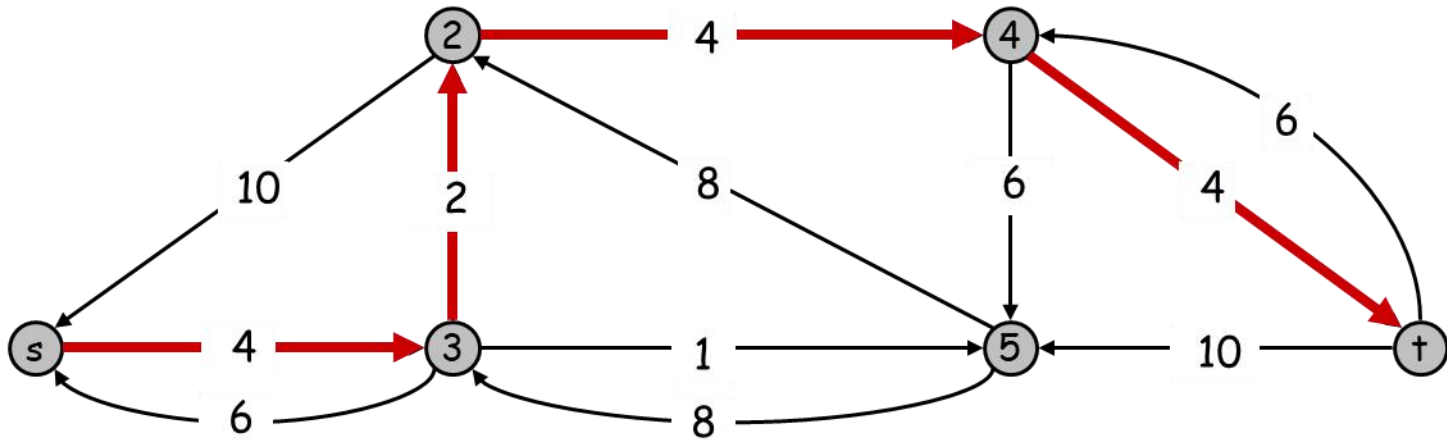


# Ford-Fulkerson Algorithm

$G$ :

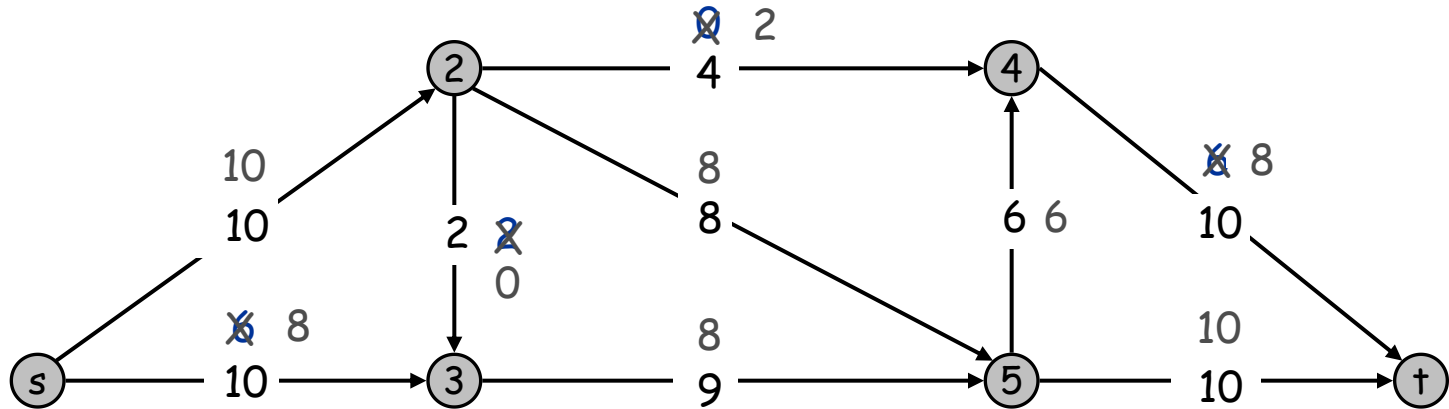


$G_f$ :



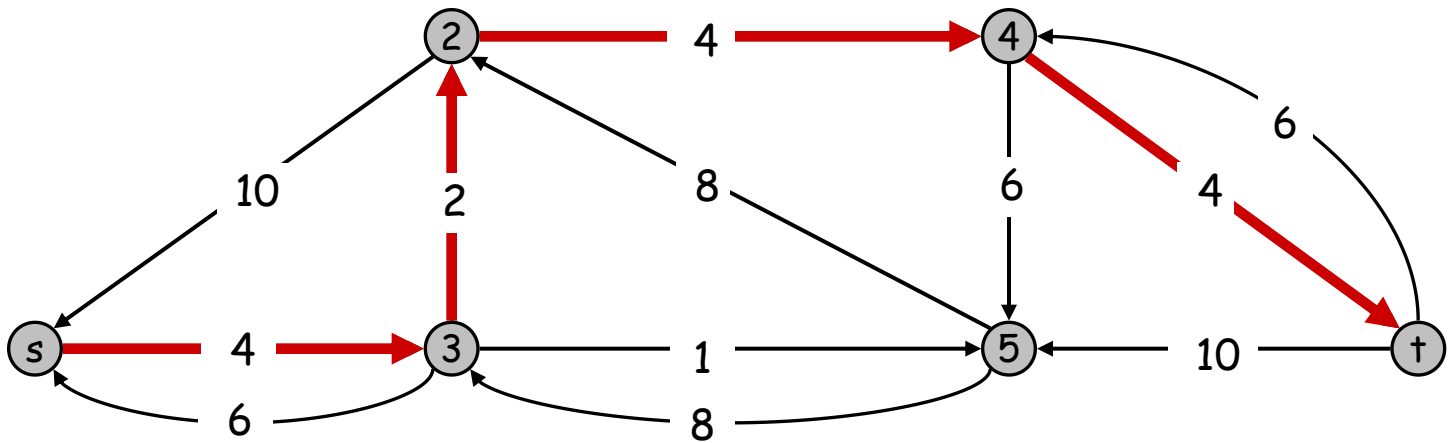
# Ford-Fulkerson Algorithm

$G$ :



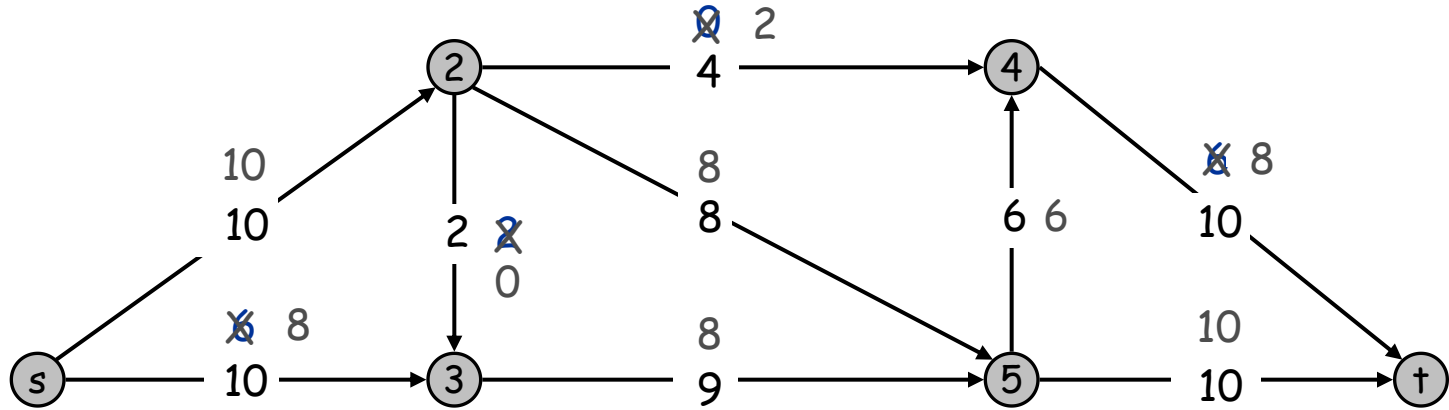
Flow value = 18

$G_f$ :

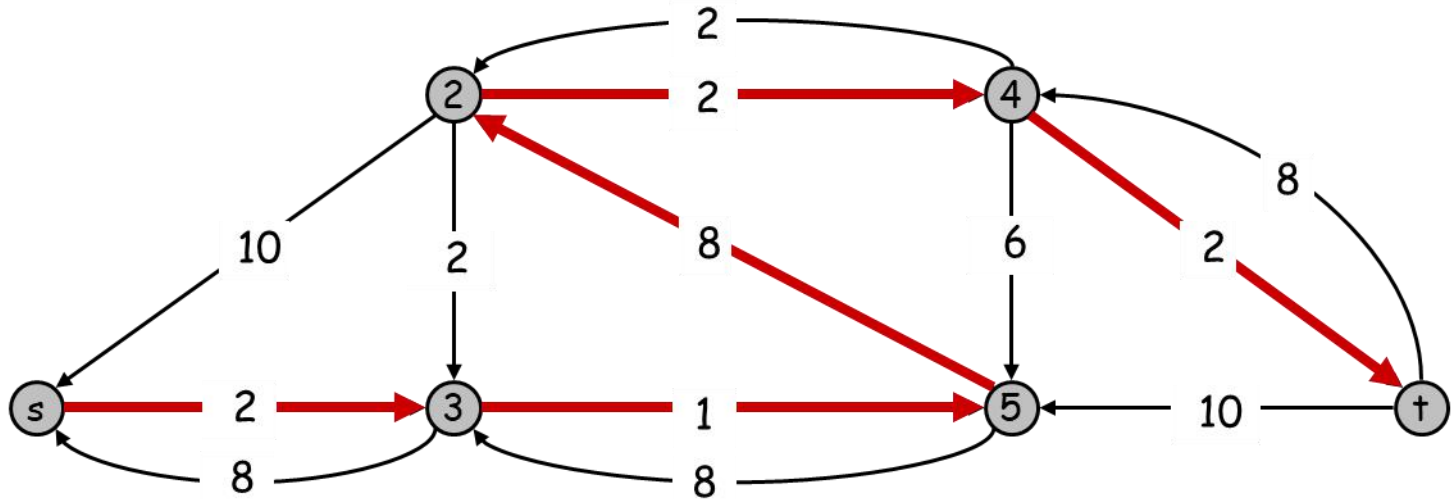


# Ford-Fulkerson Algorithm

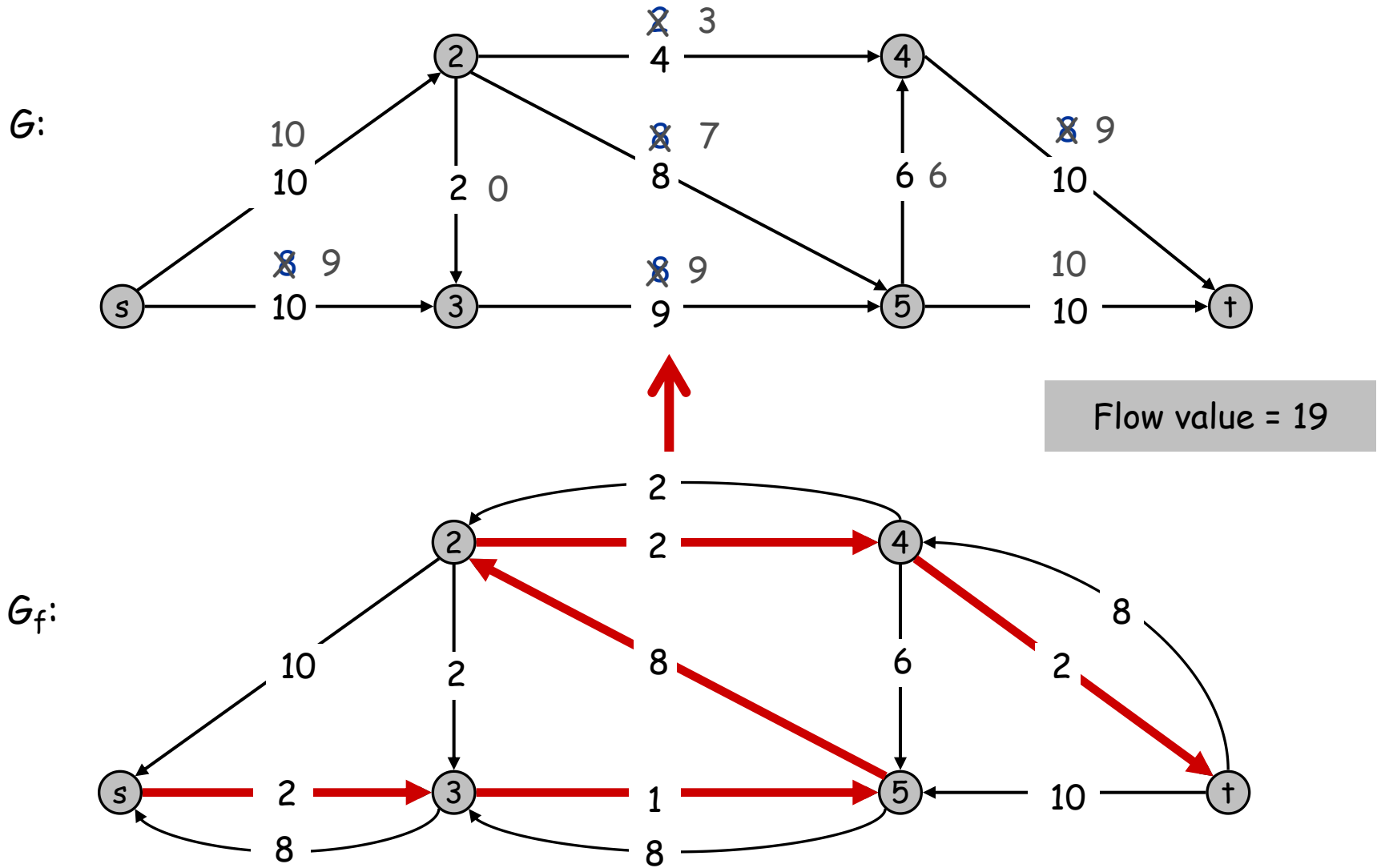
$G$ :



$G_f$ :

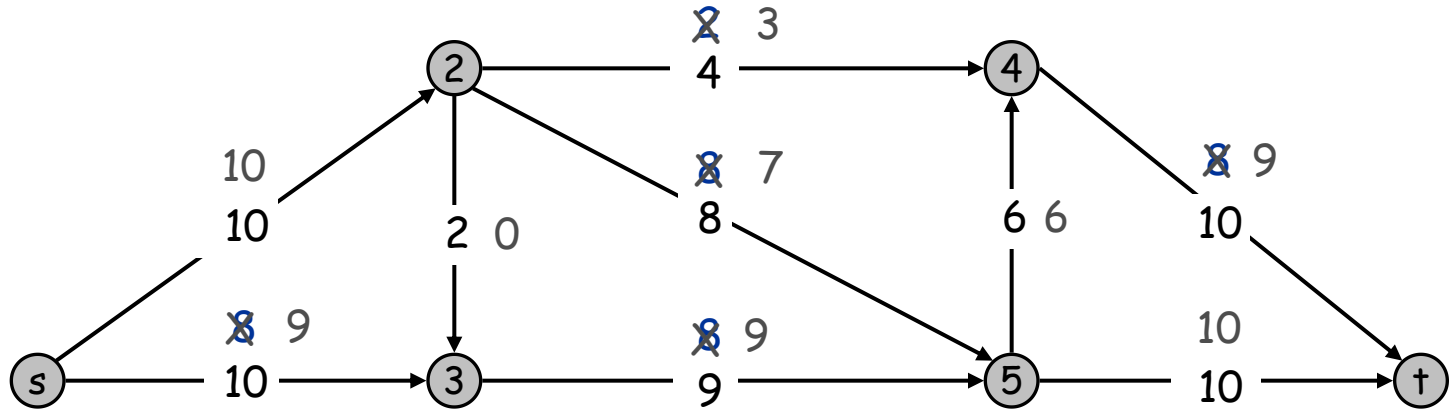


# Ford-Fulkerson Algorithm



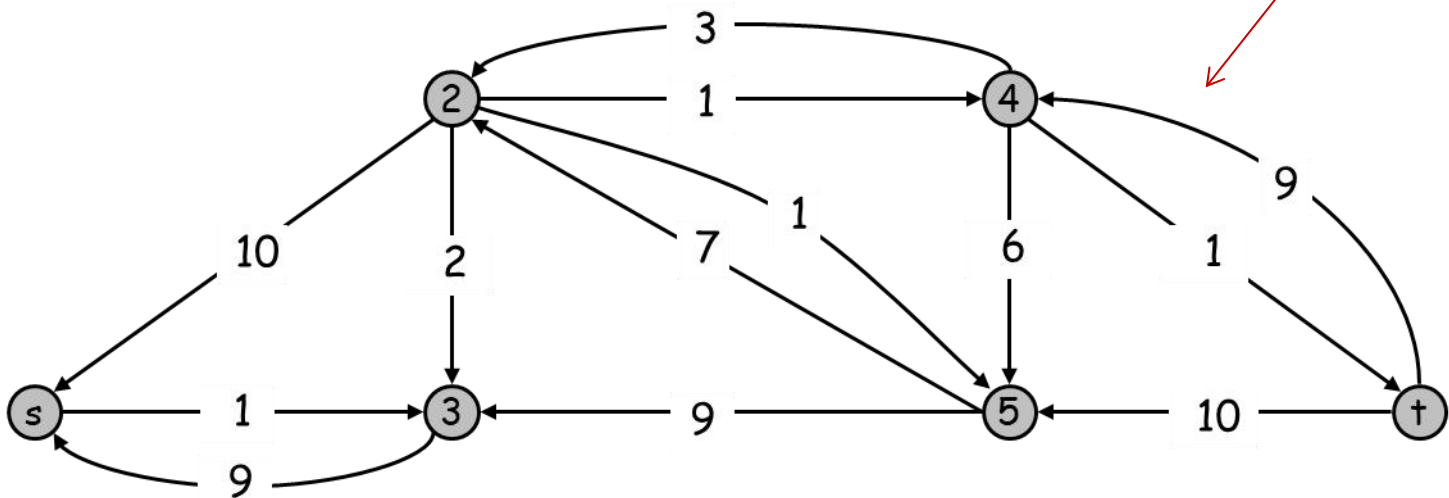
# Ford-Fulkerson Algorithm

$G$ :



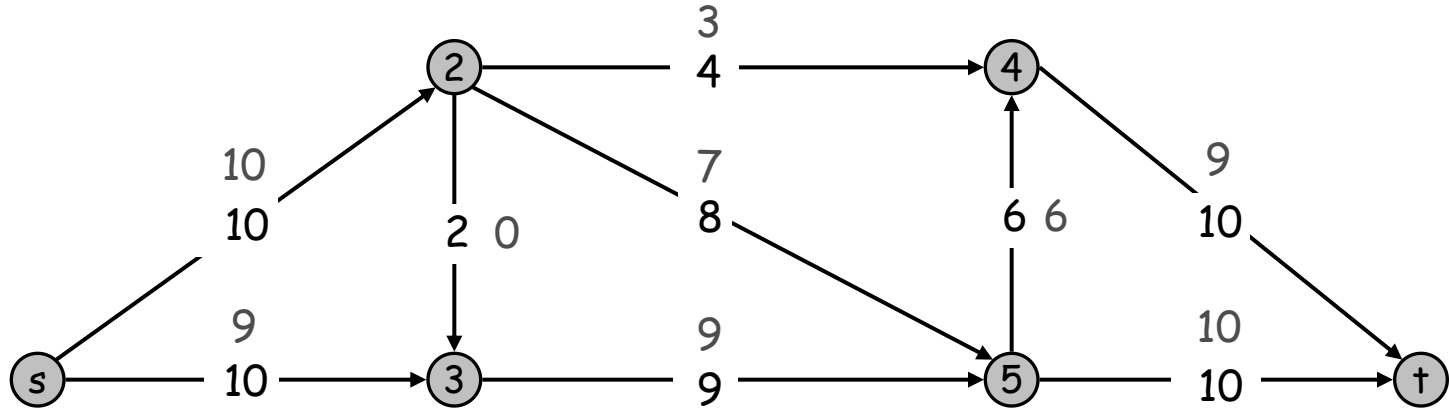
No  $s$ - $t$  simple path

$G_f$ :



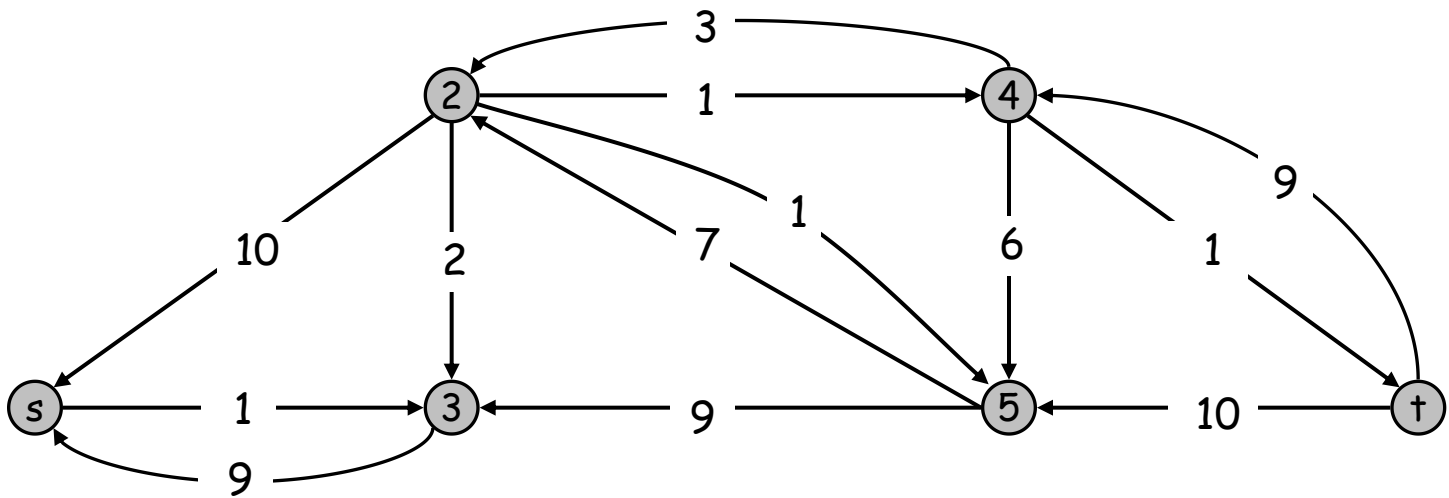
# Ford-Fulkerson Algorithm

$G$ :

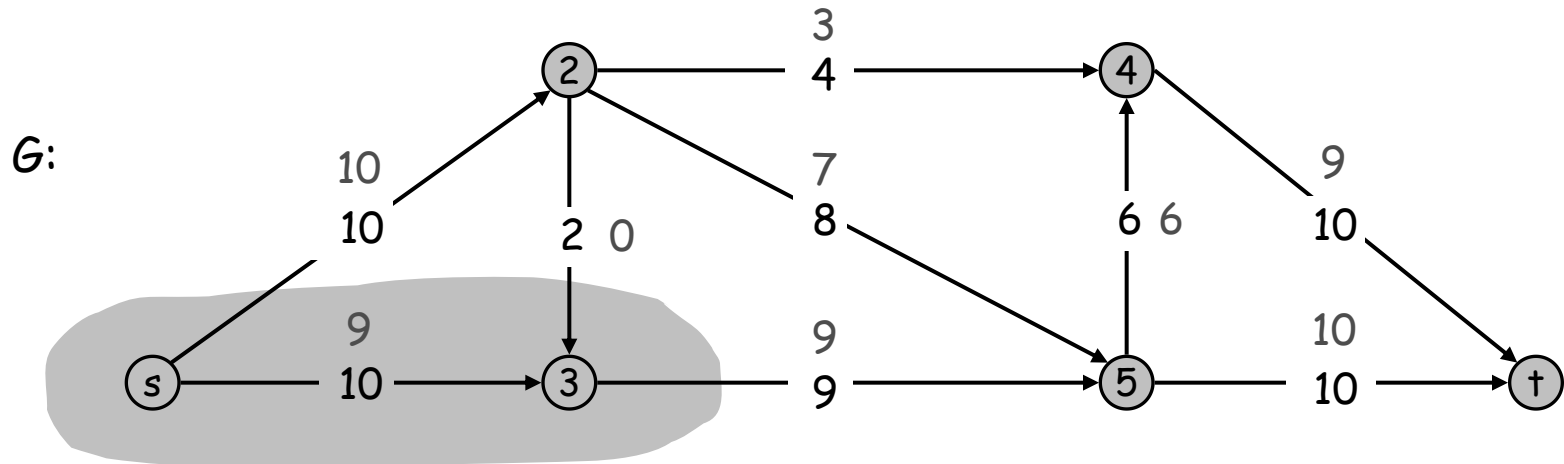


Flow value = 19

$G_f$ :



# Ford-Fulkerson Algorithm



Cut capacity = 19

Flow value = 19

