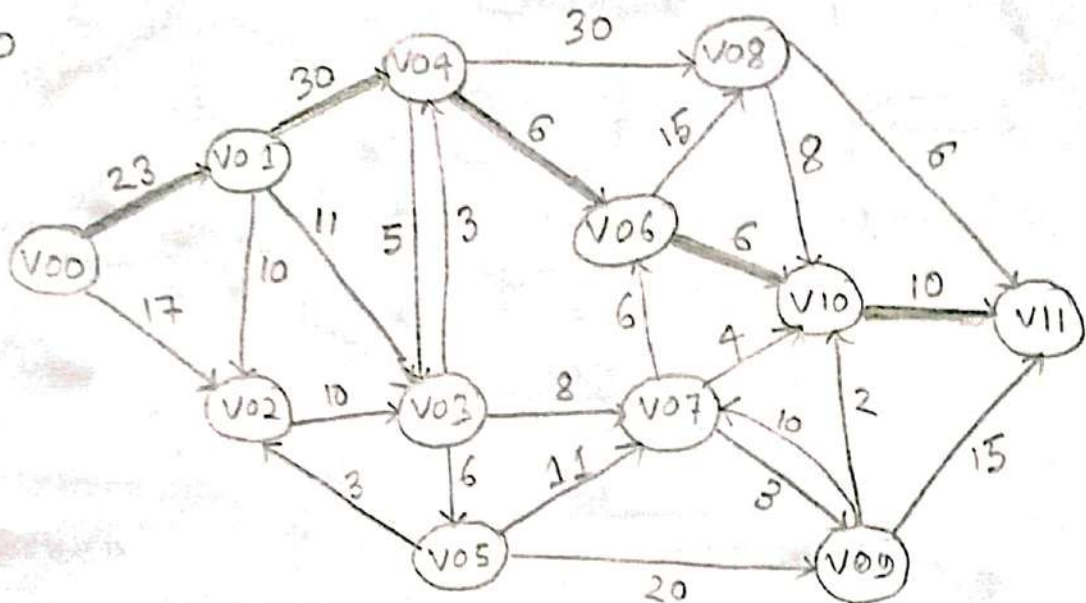


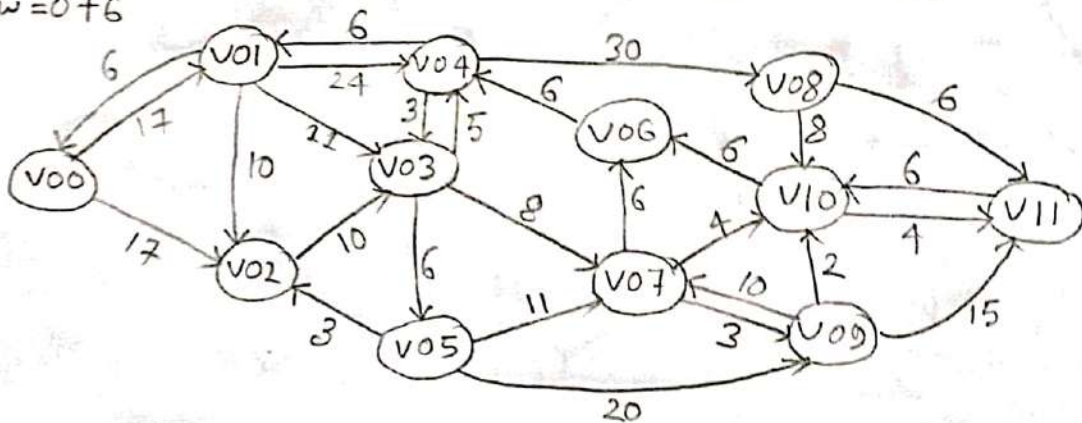
Q5

The Ford Fulkerson algorithm

Step-1 flow = 0

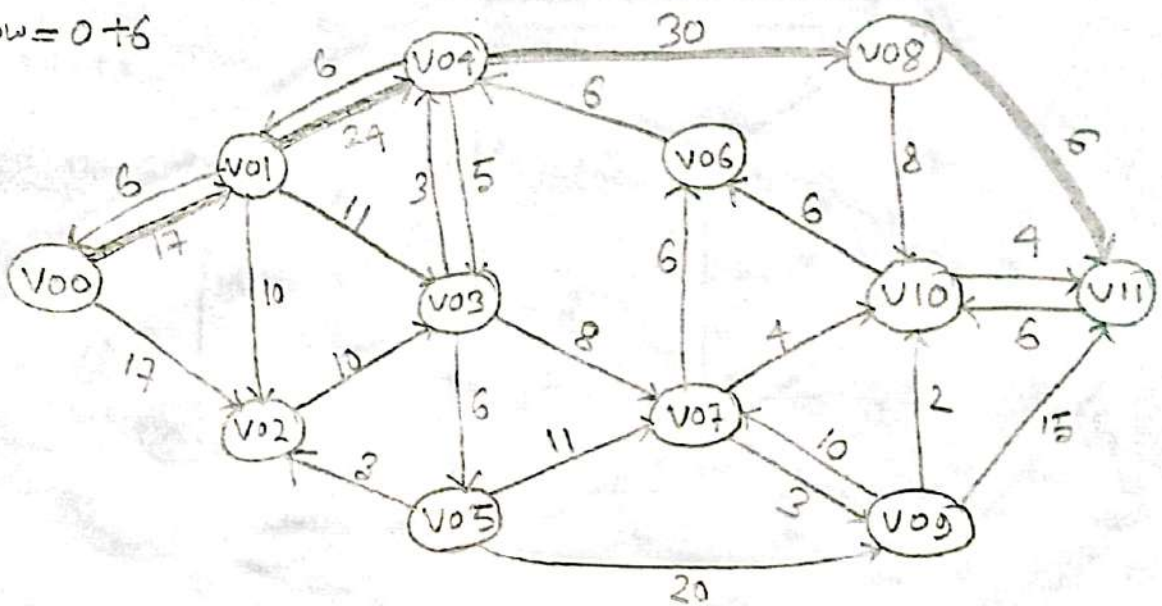


Step-2 flow = 0 + 6

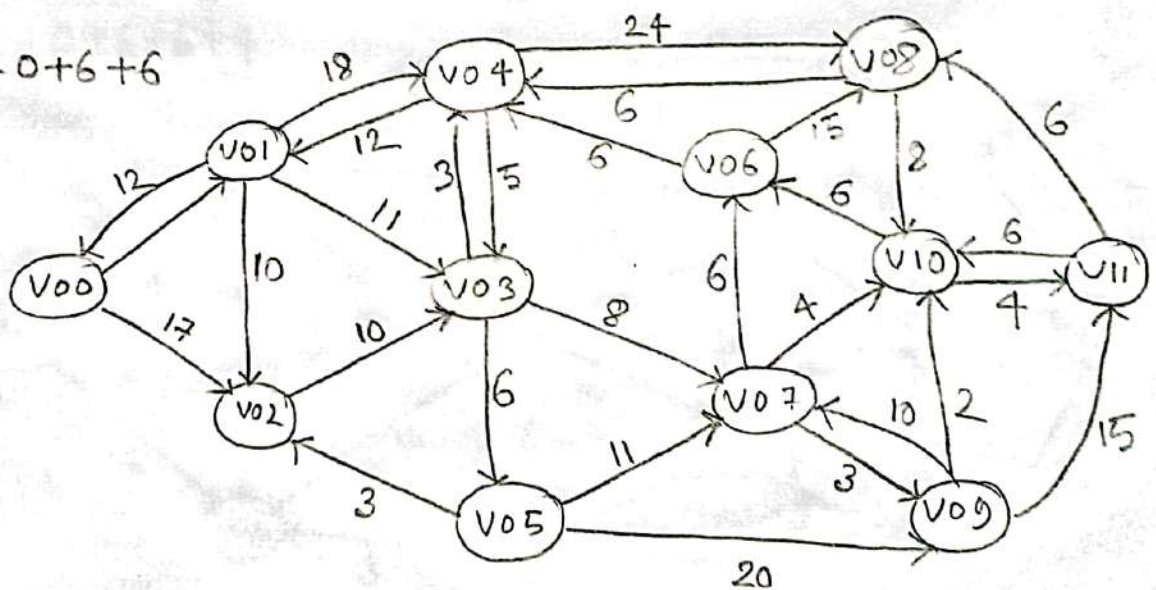


Step-03

$$\text{flow} = 0 + 6$$

Step-04

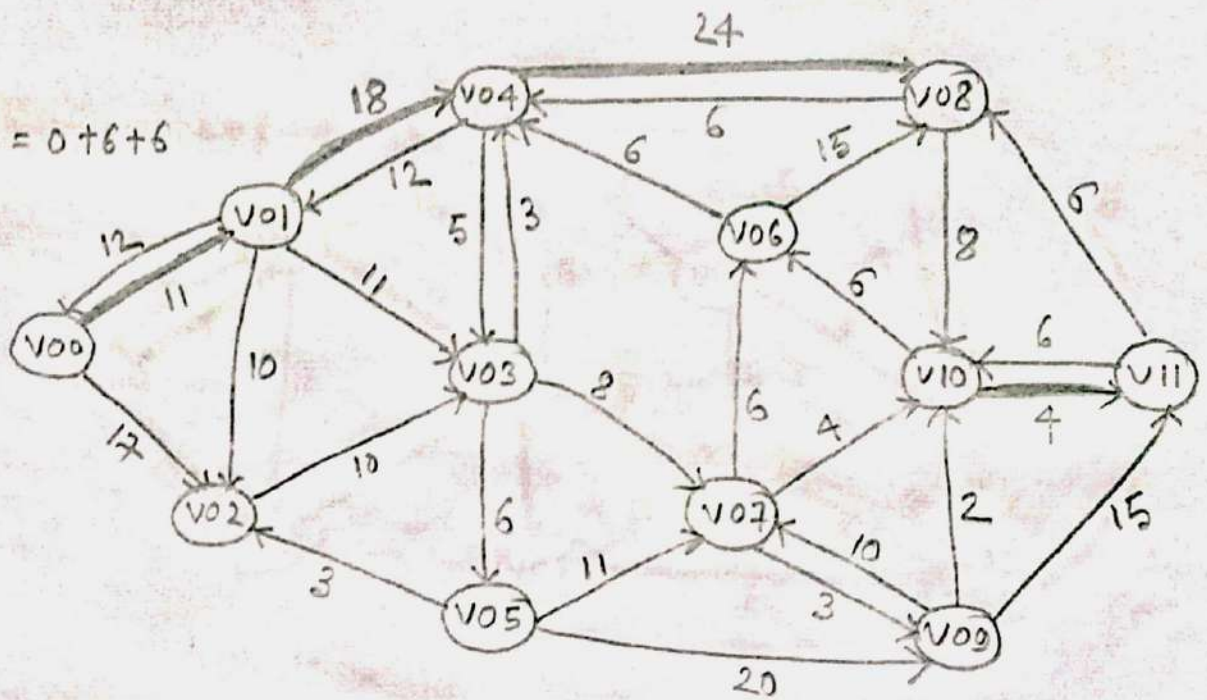
$$\text{flow} = 0 + 6 + 6$$





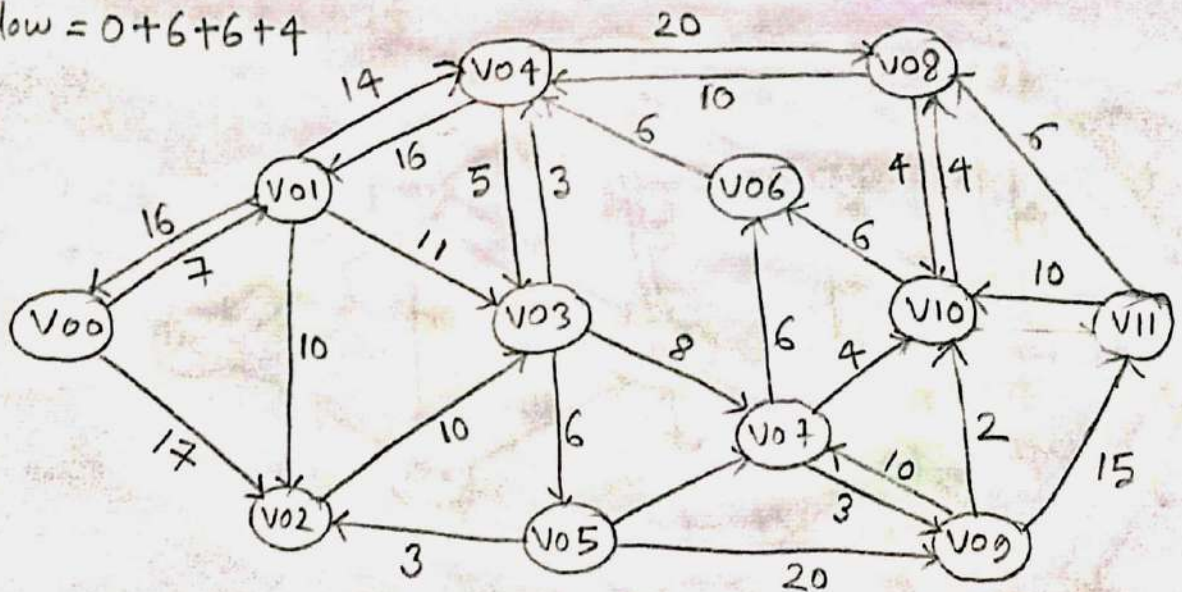
Step-5

$$\text{flow} = 0 + 6 + 6$$



Step-6

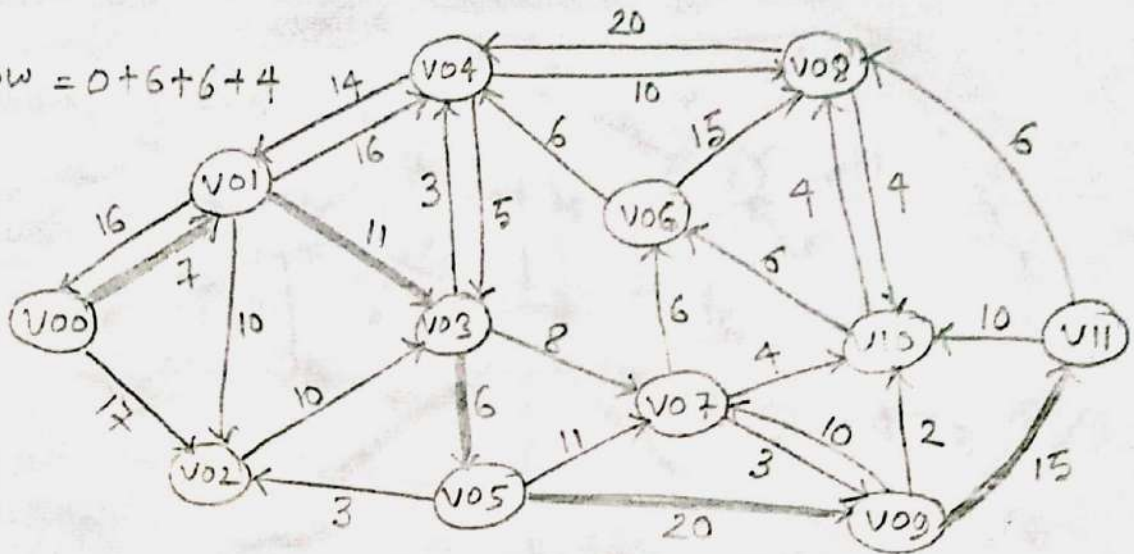
$$\text{flow} = 0 + 6 + 6 + 4$$





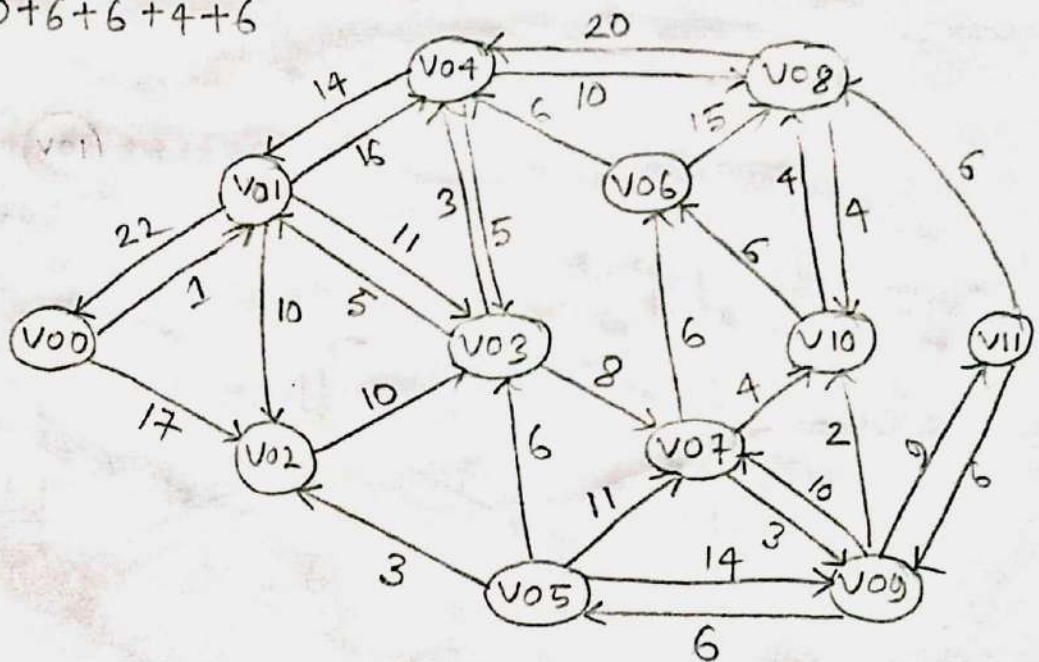
Step-7

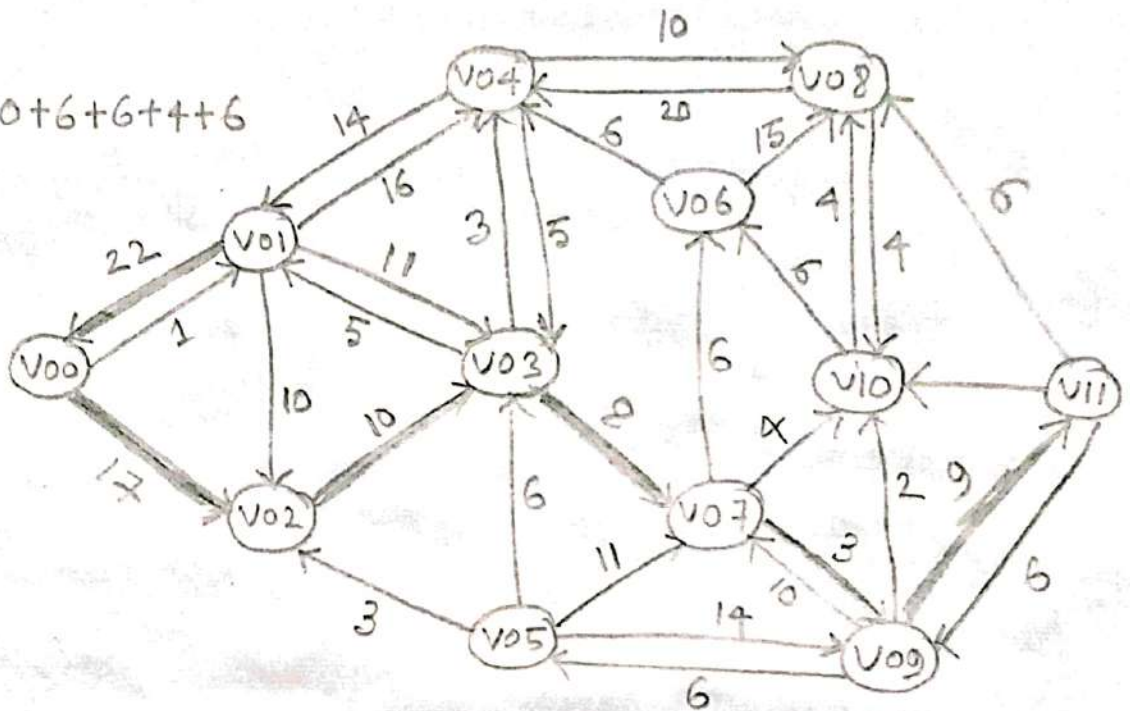
$$\text{flow} = 0 + 6 + 6 + 4$$



Step-8

$$\text{flow} = 0 + 6 + 6 + 4 + 6$$



$$\text{flow} = 0 + 6 + 6 + 4 + 6$$

$$\text{Flow} = 0 + 6 + 6 + 4 + 6 + 3 = 25$$
