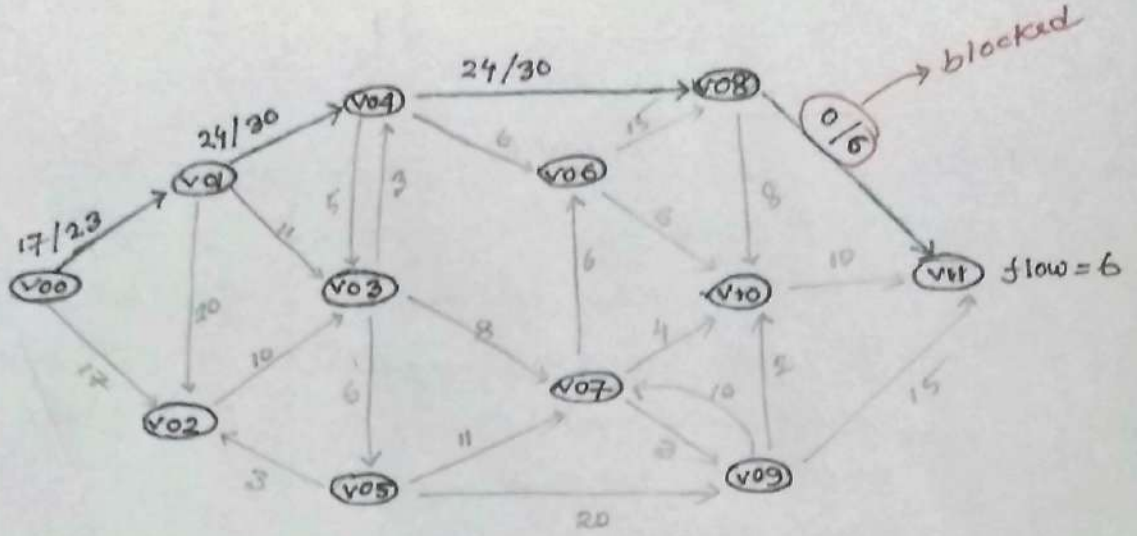
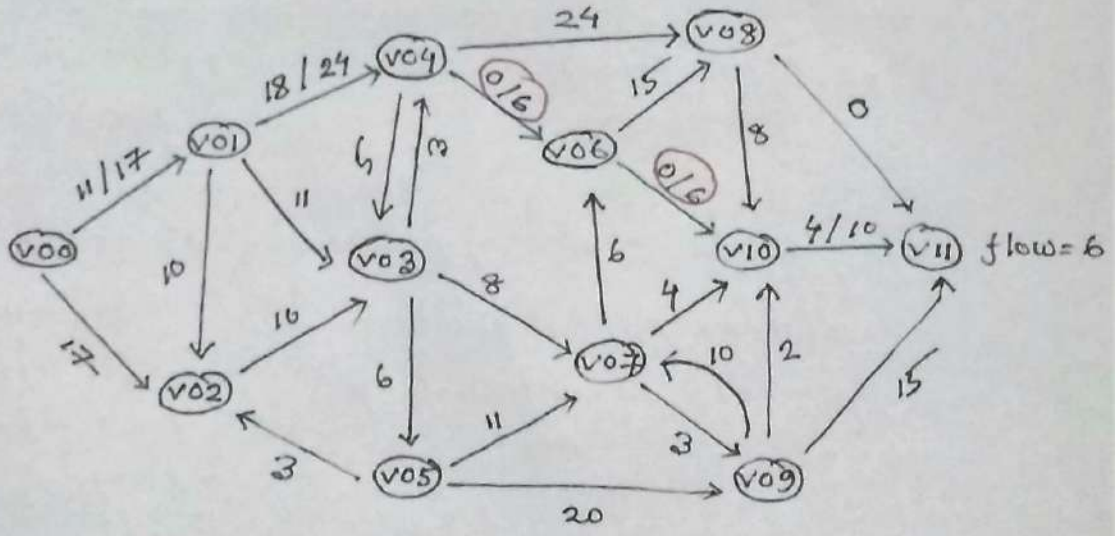
Ans. To The Q. No. 05

Step 1



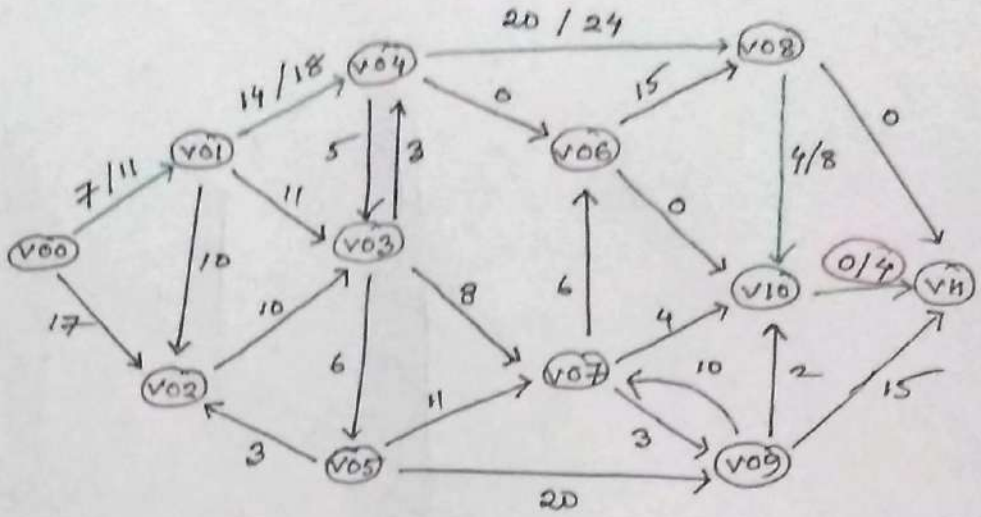
Path: V00 → V01 → V04 → V08 → V11 = 6

Step 2



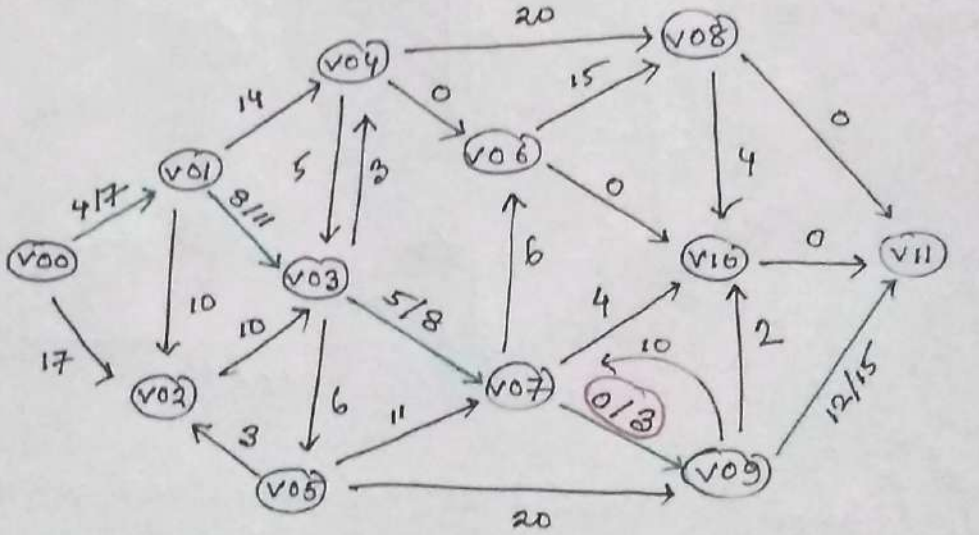
Path: V00 → V01 → V04 → V06 → V10 → V11 = 6

Step 3.



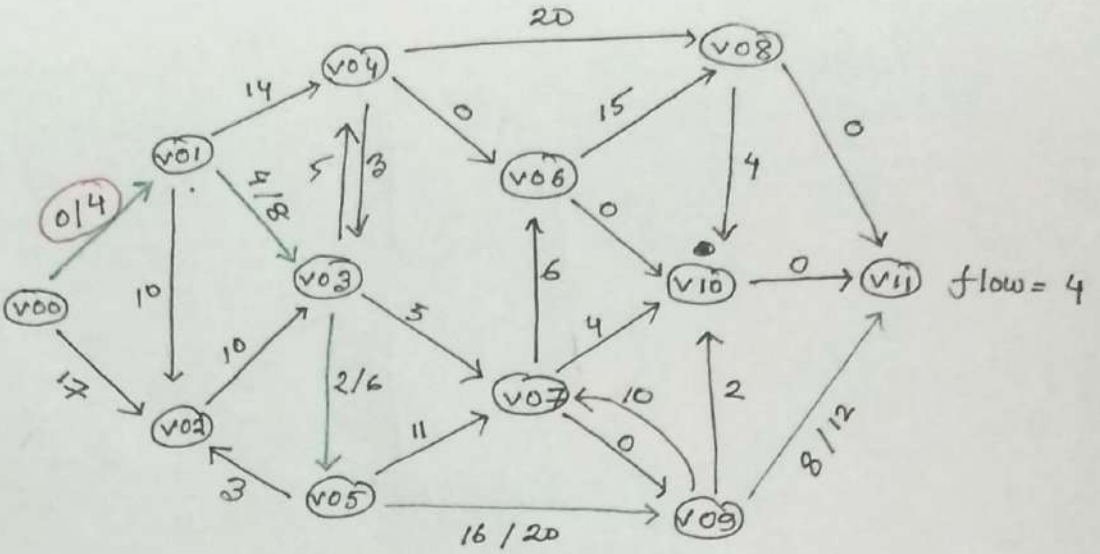
Path: V00 → V01 → V04 → V08 → V10 → V11 = 4

Step 4



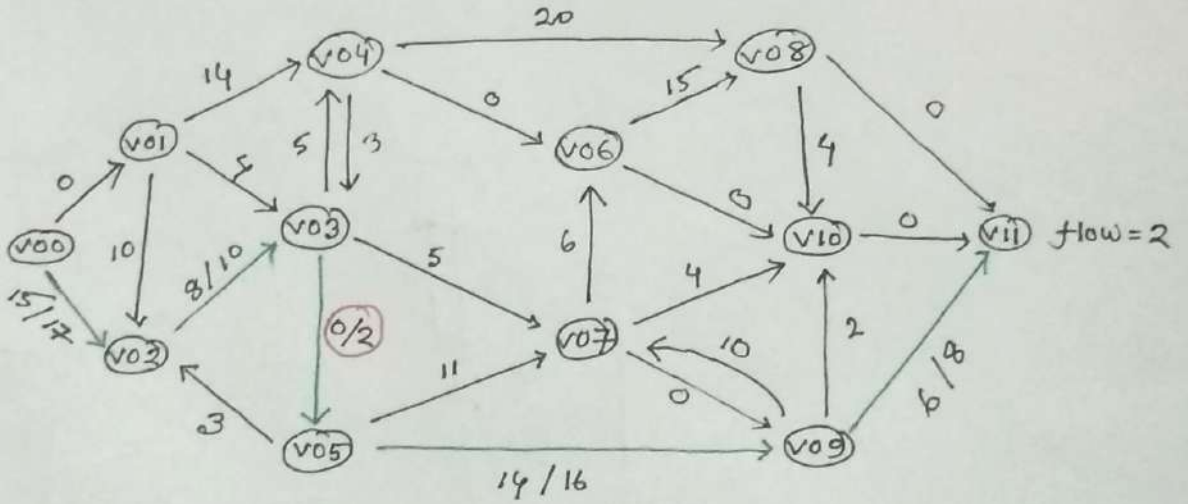
Path: V00 → V01 → V03 → V07 → V09 → V11 = 3

step 5.



Path: v00 → v01 → v03 → v05 → v09 → v11 = 4

step 6.



Path: v00 → v02 → v03 → v05 → v09 → v11 = 2

∴ Maximum flow from v00 to v11 is = 6+6+4+3+4+2

= 25