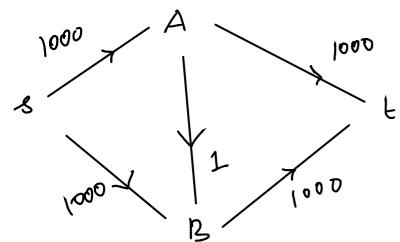
Capacity



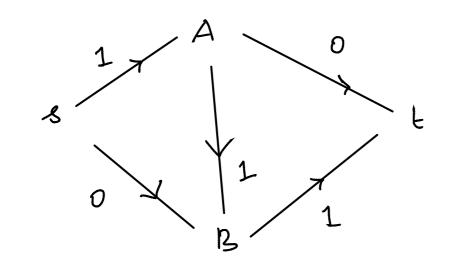
Step 1:

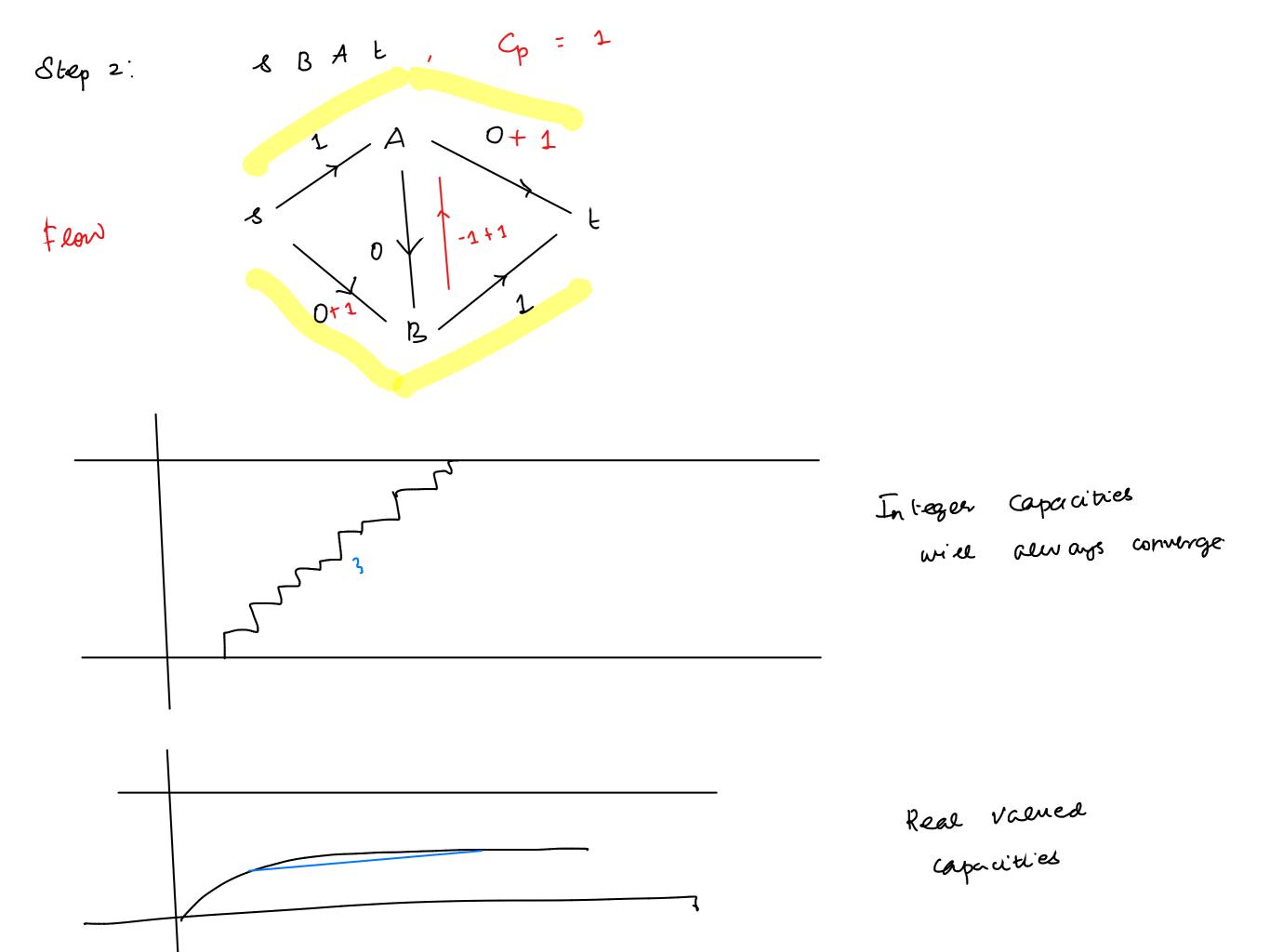
5 A B + , C = 1

Flow

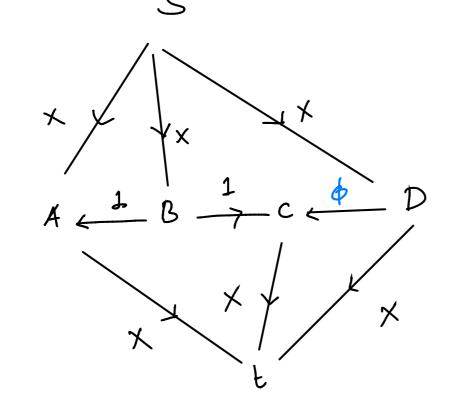
(Negative

flow in opposite direction is implicit)

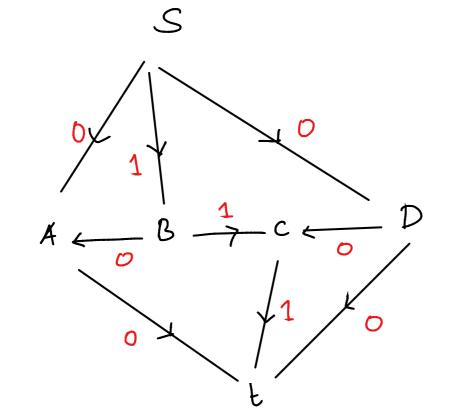




Capacity



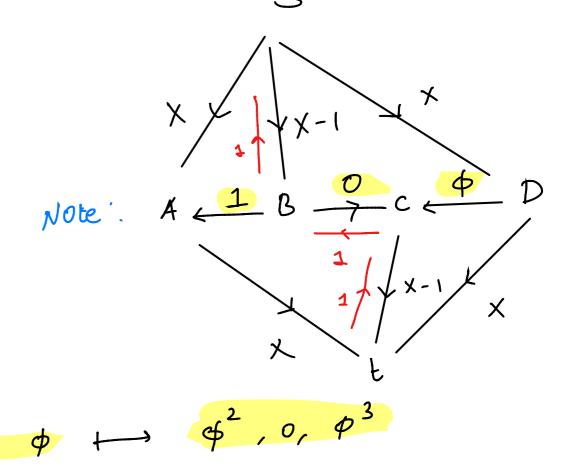
Step 1) SBCt, Cp = 1

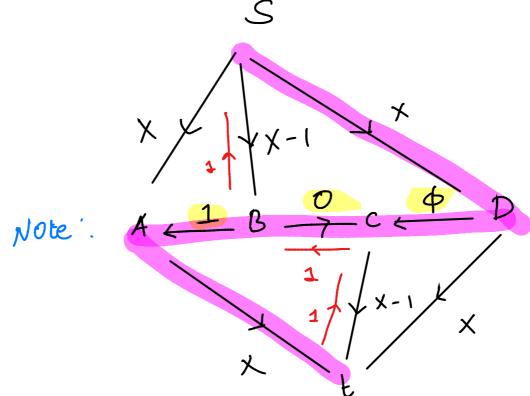


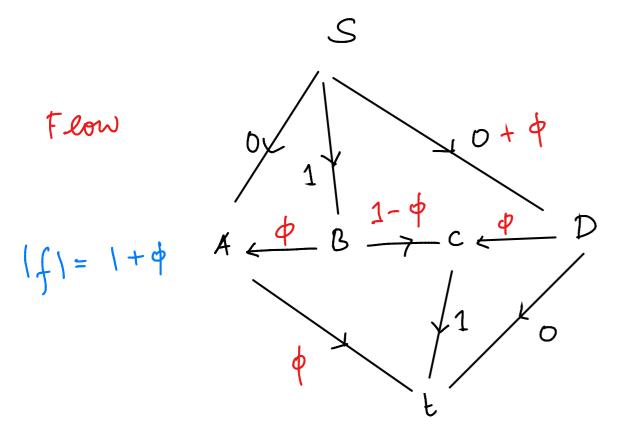
$$\phi = 1 - \phi^{2} \qquad \phi < 1$$

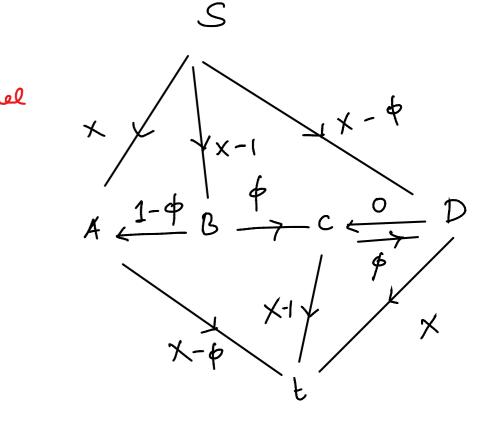
$$\phi^{2} = 1 - \phi \qquad \phi = (\sqrt{5} - 1)$$

$$\phi + \phi^{2} = 1$$

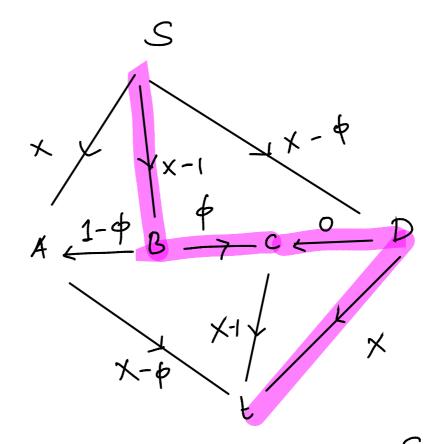






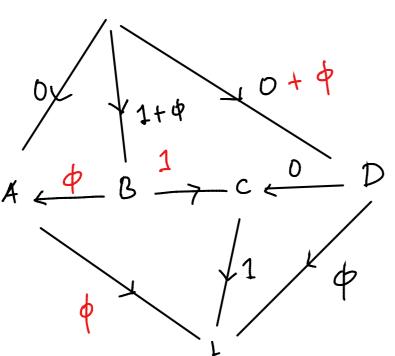


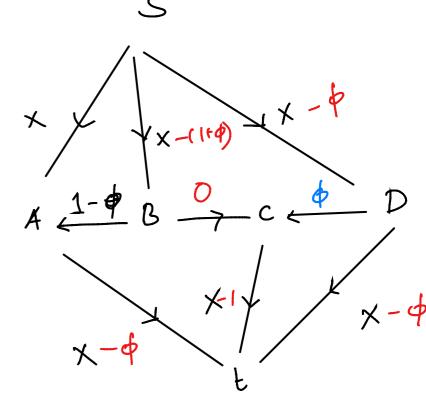
Step 3) SBC bt, $C_{\beta} = \phi$



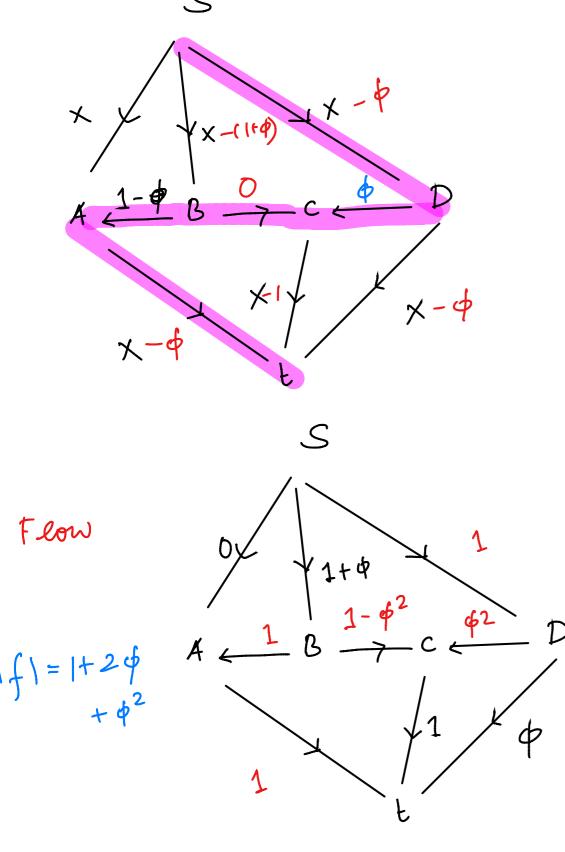
Flow

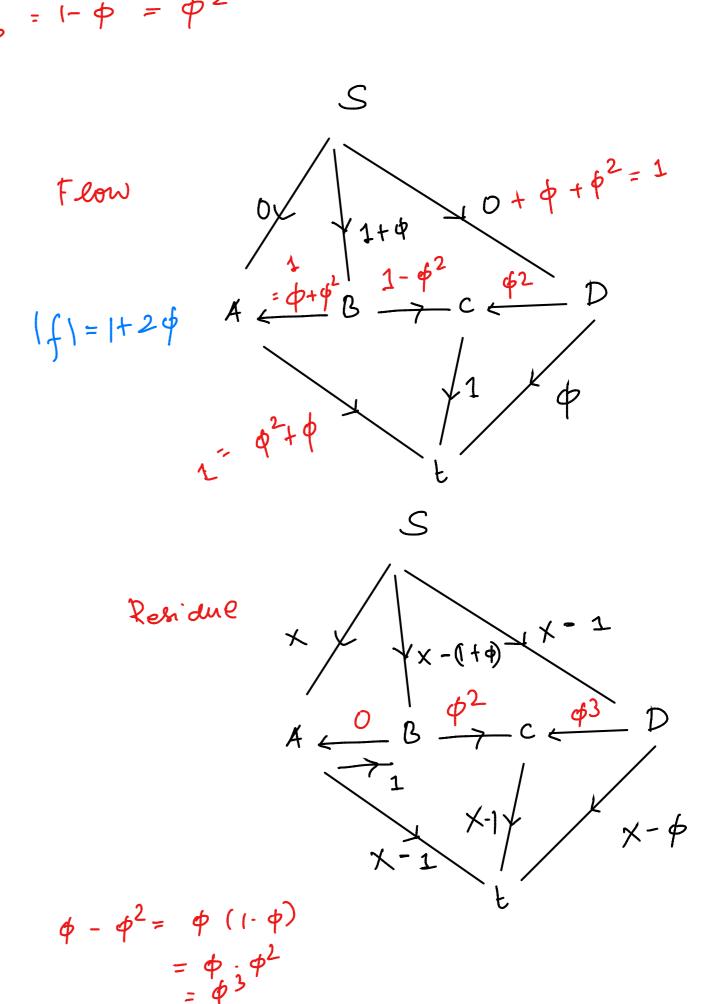
|f|=|+2\$ A



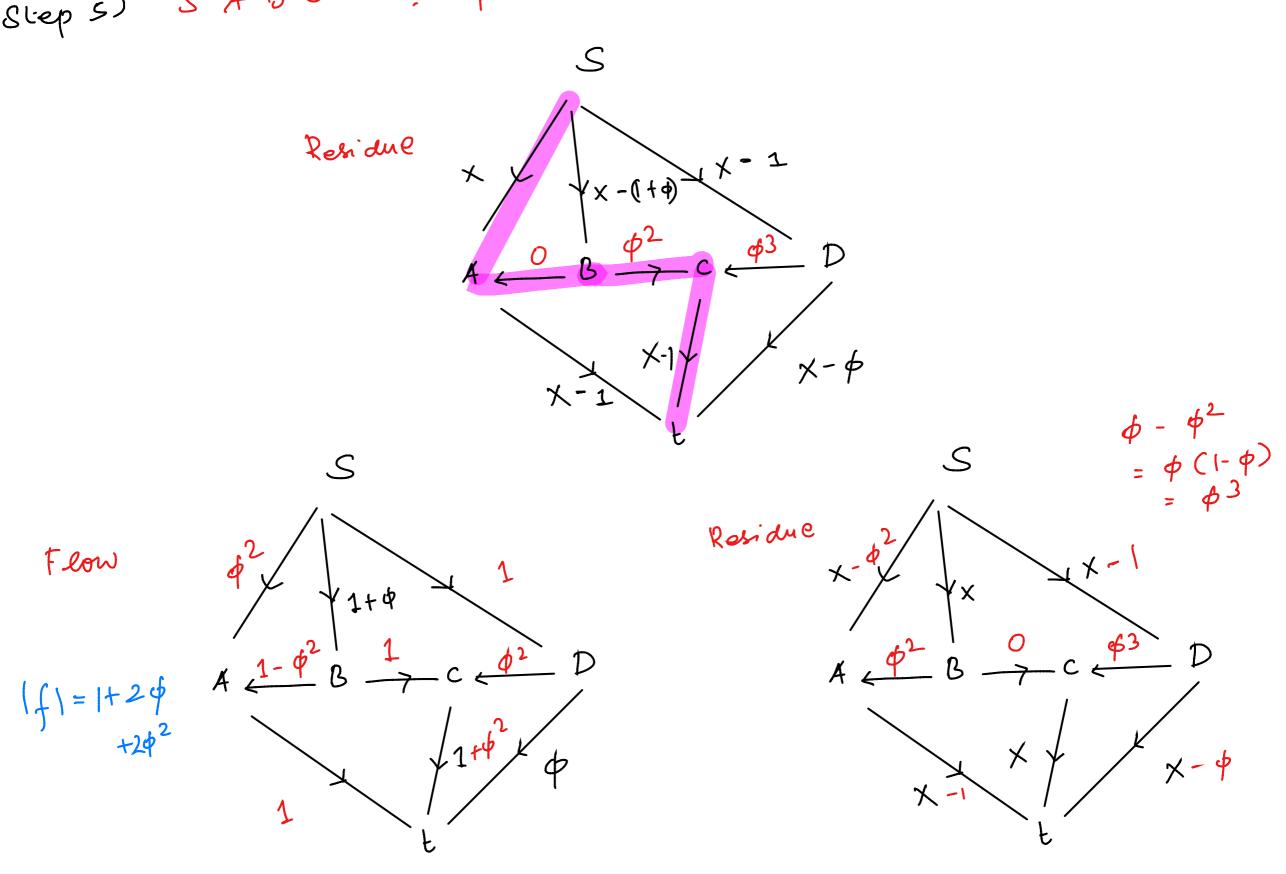


SDCBAt, $C_{\flat} = 1-\phi = \phi^2$ Step 4)





Steps) SABCt. Cp= \$\p^2\$



Keep looping Stepe 2, 3, 4 and 5

$$|f| = 1 + 2 \quad (4 + 6^{2} + \cdots)$$

$$= 1 + 2 \quad \frac{\phi}{1 - \phi} \quad f \quad 1 + 2 \times 1$$