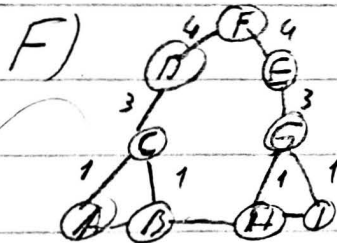
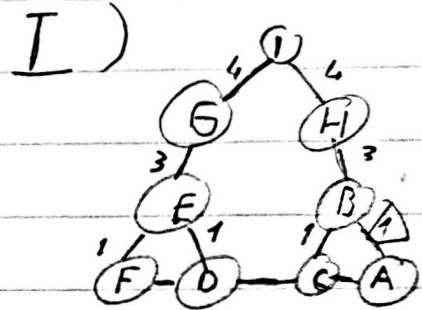
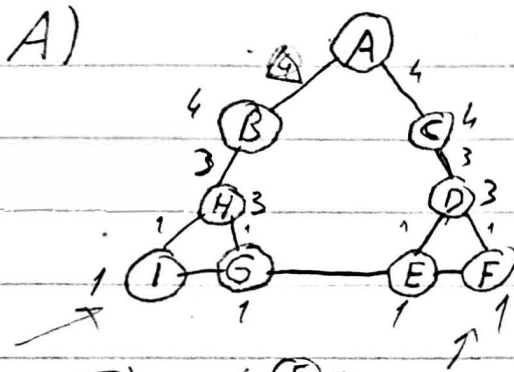
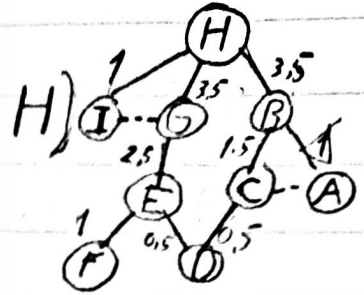
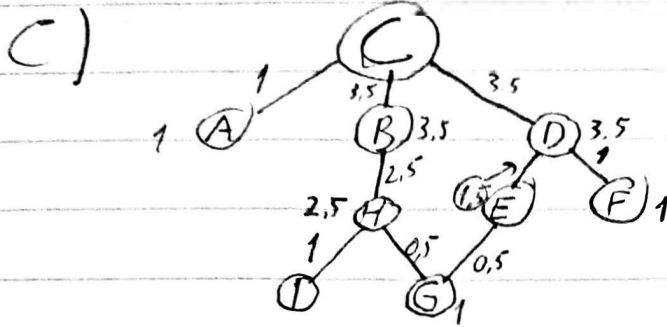
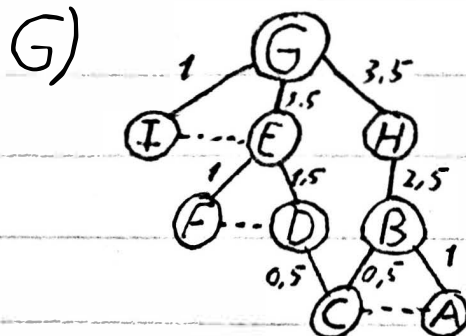
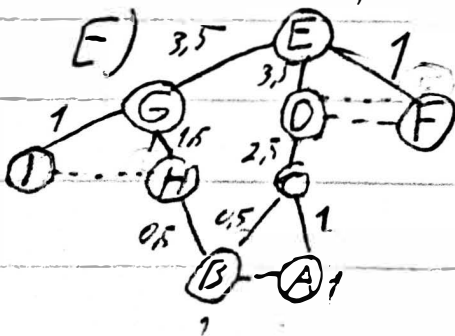
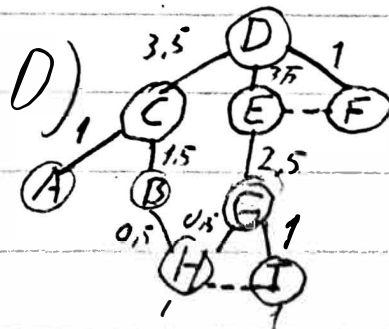
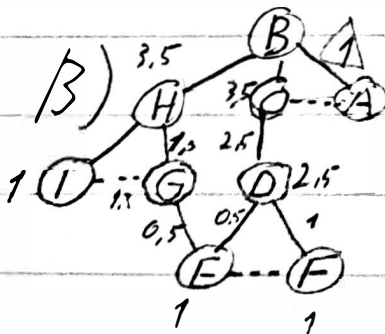


AR =

Roots



$A=I=F$



A B C D E F

$$AB = (4 + 1 + 0 + 0 + 0 + 0)$$

$$AC = (4 + 0 + 1 + 1 + 1 + 1)$$

$$BC = (0 + 3.5 + 3.5 + 1 + 1 + 1)$$

$$BH = (3 + 3.5 + 2.5 + 1 + 1 + 1)$$

$$CD = (3 + 2.5 + 3.5 + 3.5 + 1 + 1)$$

$$DE = (1 + 0.5 + 1.5 + 3.5 + 1 + 1)$$

$$DF = (1 + 1 + 1 + 1 + 1 + 1)$$

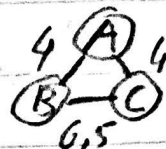
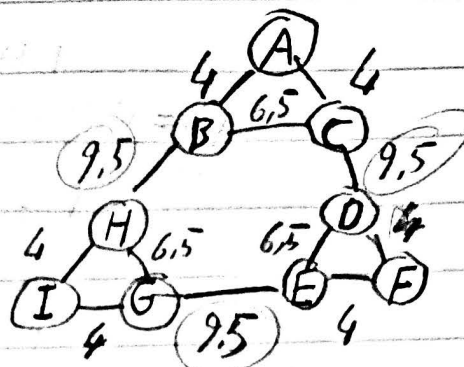
$$EF = (0 + 0 + 0 + 0 + 0 + 0)$$

$$HI = (1 + 1 + 1 + 1 + 1 + 1)$$

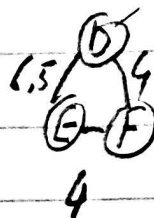
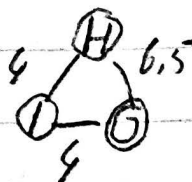
$$HG = (1 + 1.5 + 0.5 + 1 + 1 + 1)$$

$$IG = (0 + 0 + 0 + 0 + 0 + 0)$$

$$EG =$$



erase the big values



3 communities

C + H + A + I + F + B + D + E + G

$$AB = (0 + 1 + 4 + 1 + 0 + 1 + 0 + 0 + 1) / 2 = 8 / 2 = 4$$

$$AE = (1 + 0 + 4 + 0 + 1 + 0 + 1 + 1 + 0) / 2 = 8 / 2 = 4$$

$$BC = (3.5 + 1.5 + 0 + 1 + 1 + 3.5 + 1.5 + 0.5 + 0.5) / 2 = 13 / 2 = 6.5$$

$$BH = (2.5 + 3.5 + 3 + 3 + 0 + 3.5 + 0.5 + 0.5 + 2.5) / 2 = 19 / 2 = 9.5$$

$$CD = (3.5 + 0.5 + 3 + 0 + 3 + 2.5 + 3.5 + 2.5 + 0.5) / 2 = 19 / 2 = 9.5$$

$$DE = (1.5 + 0.5 + 1 + 1 + 0 + 0.5 + 3.5 + 3.5 + 1.5) / 2 = 13 / 2 = 6.5$$

$$DF = (1 + 0 + 1 + 0 + 4 + 1 + 1 + 0 + 0) / 2 = 8 / 2 = 4$$

$$EF = (0 + 1 + 0 + 1 + 4 + 0 + 0 + 1 + 1) / 2 = 8 / 2 = 4$$

$$HI = (1 + 1 + 1 + 4 + 0 + 1 + 0 + 0 + 0) / 2 = 8 / 2 = 4$$

$$HG = (0.5 + 3.5 + 1 + 0 + 1 + 1.5 + 0.5 + 1.5 + 3.5) / 2 = 13 / 2 = 6.5$$

$$IG = (0 + 0 + 0 + 4 + 1 + 0 + 1 + 1 + 1) / 2 = 8 / 2 = 4$$

$$EG = (0.5 + 2.5 + 0 + 3 + 3 + 0.5 + 2.5 + 3.5 + 3.5) / 2 = 19 / 2 = 9.5$$