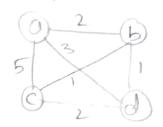
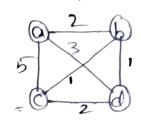
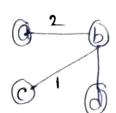
toree for the given graph. Also compute the total cost of all edges.



Porim's Algorithm



Sounce = A



Q key PT

a T 0 -

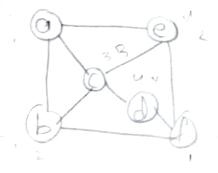
b T 2 a

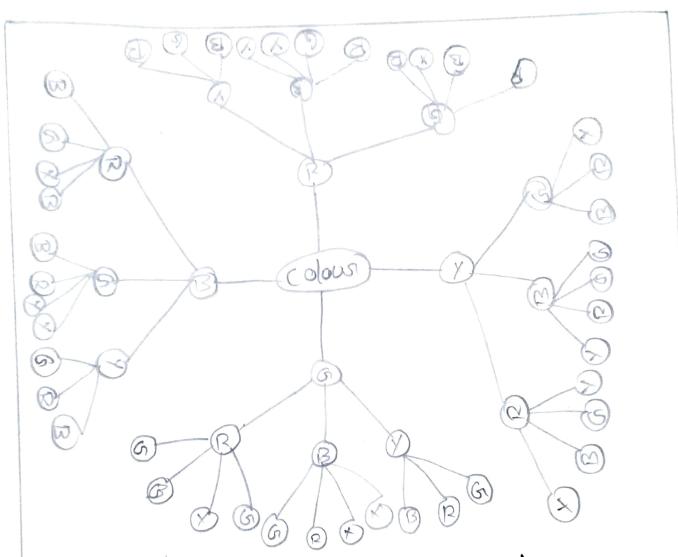
C T 91 06

d T \$1 \$6

in the total cost of all edges in the MST=4/1.

3) calculate the chammatic no for the following another coloring.

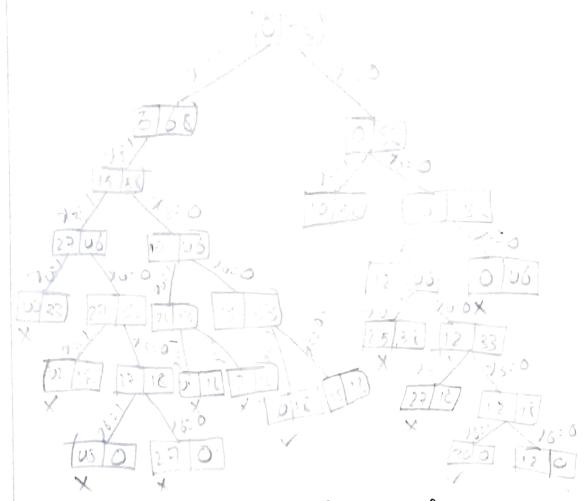




(4) Considera set s= (5,10,12,13,15,18) and d=30, solve.

91 -lon obtaining a sum of subset.

GIGUEN, N2 N3 NU N5 76, S=(5,10,12,13,15,18); d=30

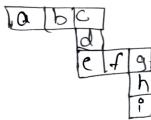


:. Sum of subsets one = \(\bar{\gamma_1, \gamma_1, \gamma_5} = \begin{array}{c} 5, 10, 15 \gamma \\ \gamma_1, \gamma_5 \end{array} = \begin{array}{c} 5, 10, 15 \gamma \\ \gamma_1, \gamma_5 \end{array} = \begin{array}{c} 12, 18 \gamma \\ \gamma_1 \gamma_1 \gamma_2 \end{array} = \begin{array}{c} 12, 18 \gamma \\ \gamma_1 \gamma_1 \gamma_2 \gamma_1 \gamma_1 \gamma_2 \gamma_1 \gamma_1 \gamma_2 \gamma_1 \gamm

2) To compute the sum of subsets loss the following graph and then satisfy the given constraints.

Set St3 = (a,b,c,d,e,f,g,h,i) values used are

U(i) = (1,2,3----9)



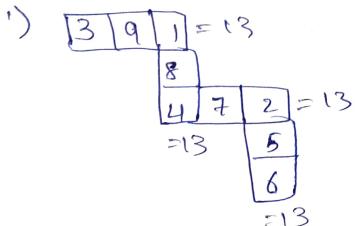
constaraints hold such as.

a+b+c= c+d+e= e+f+g=g+h+i

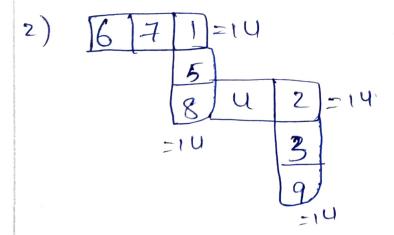
Giventhad a+b+c= (+d+e= e+f+g=g+h+i

By using the values vsily and adding equal

to other three values of sum.



a+b+c=c+d+e=e+f+g=g+h+i 13=13=13=13



14=14=14=14//