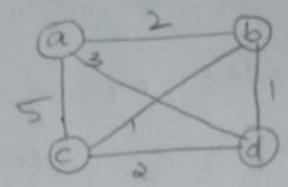
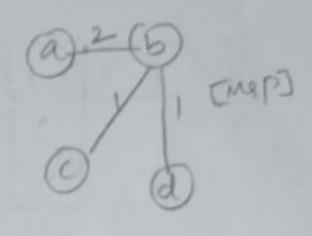
1) Apply prim's algorithm to solve the minimum spanning tree for the given graph. Also compute the total cost of all edges.

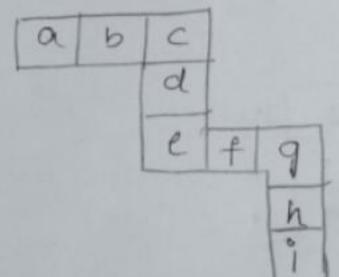


	a	Keej	Py
A	T	0	-
B	T	2	a
C	T	81	x6
0	T	31	d

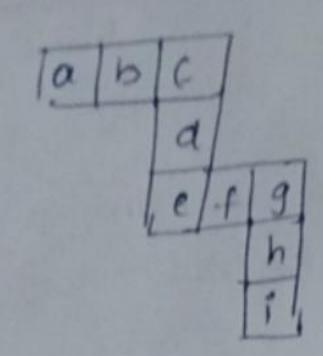


Total cost of all edges in MST=4

Satisfy the given constrataints set Siy=(a, b, c, d, e, f, g, h, i) realizes and are vsiy=(1,2,3,...9)



constraints hold such as a+b+c=c+d+e=e+f+g+g+h+i



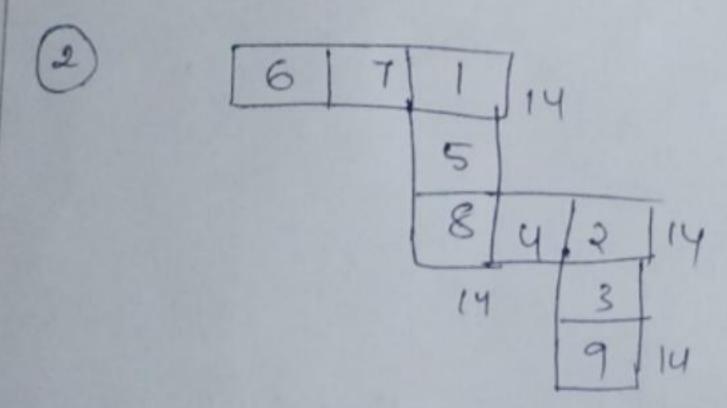
Given that ather=c+d+e=e+f+g=g+h+i

By wing the values vsiy & adding equal to

Other three values of sum

13 9 1 - 13 8 7 7 2 = 13 -13 5 6 = 13

a+b+c= c+d+e=e+f+g=g+h+i 3+g+1=1+8+4=u+7+2=2+5+613=13=13=13



6+7+1=1+5+8+8 6+7+1=1+5+8=8+4+2=2+3+9 14=14=14=14

calculate the chaomatic no of number for the following graph

obtaining a sum of subset S=(5,10,12,13,15,18); d- 9304

