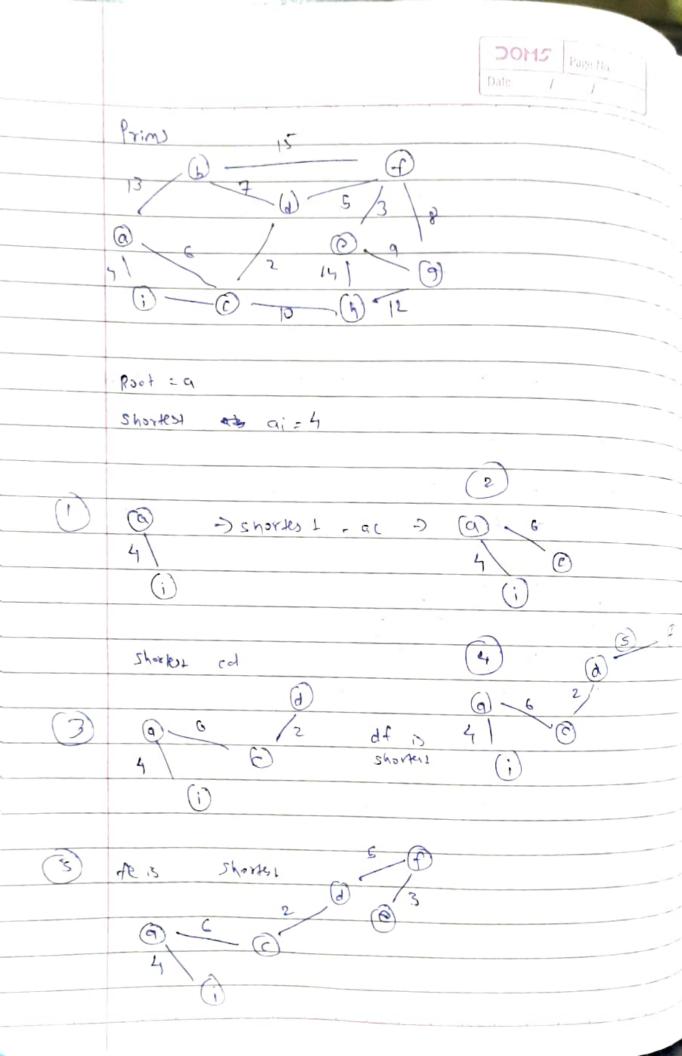
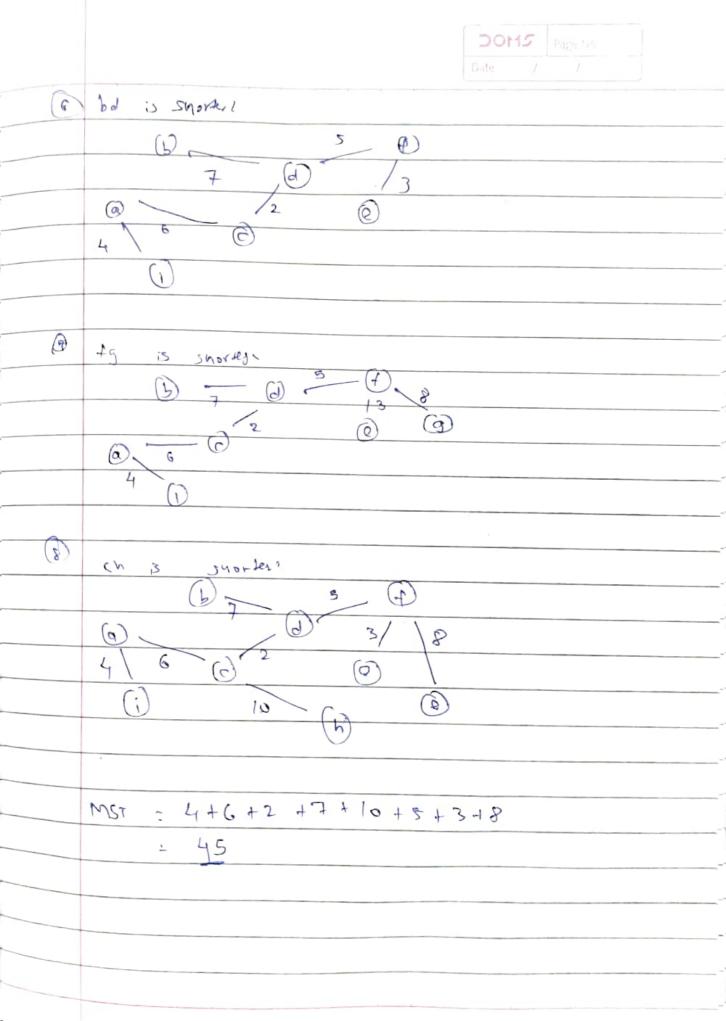
T(n) = 3T(n/2) +n Ans. Musters theorem comparing, a = 3, b = 2, f(n) = n $109_{10}^{2} = 109_{2}^{2} = 1.58$ V (2) 3 4 (V) case 1:

: 1(v) - 0 (v128)

Recursion Trop T(n) = 3 T (n/2) +n n/2 n/2 n/2 3 times n12 9 times mil 3' times "12 1/21 1/21 continues till n/n=1 ie 2'=n : 12 log 2 n At this level, cost = 3 1092 1 = log n 10923 n 18 3 Total cost: n 1 3n/2 1 9 1/4 + ... = Orkantogra)
= O(n'0523) = 0 (N1.28)







Find MST dol1. (Kruskal) 1 Q. ap Asc 9 MST=2+3+4+5+6+7+8+10

