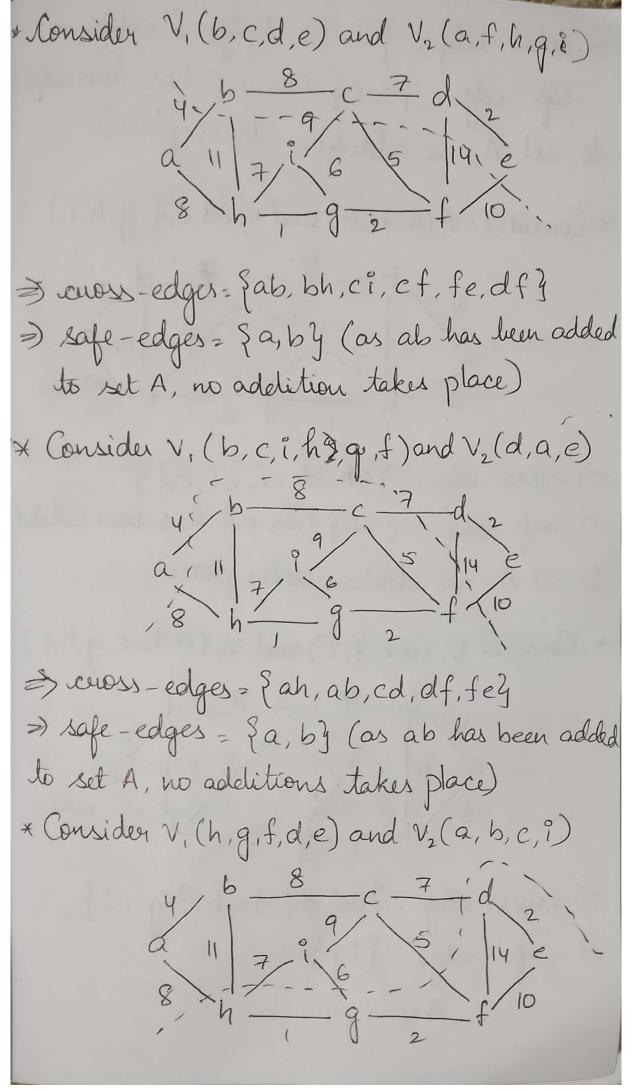
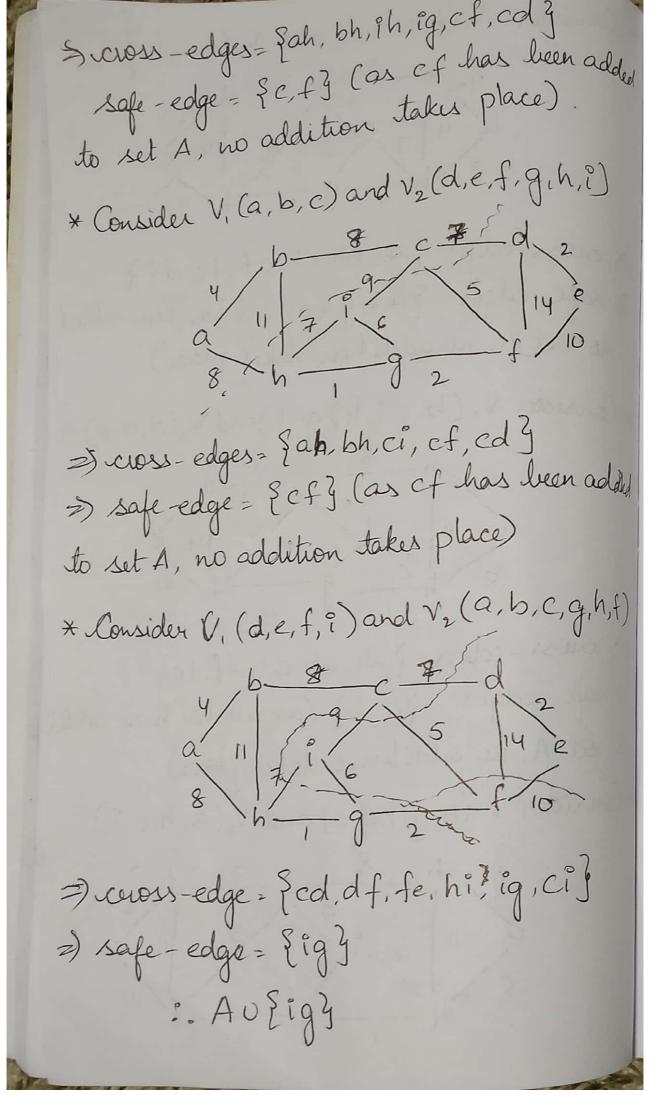
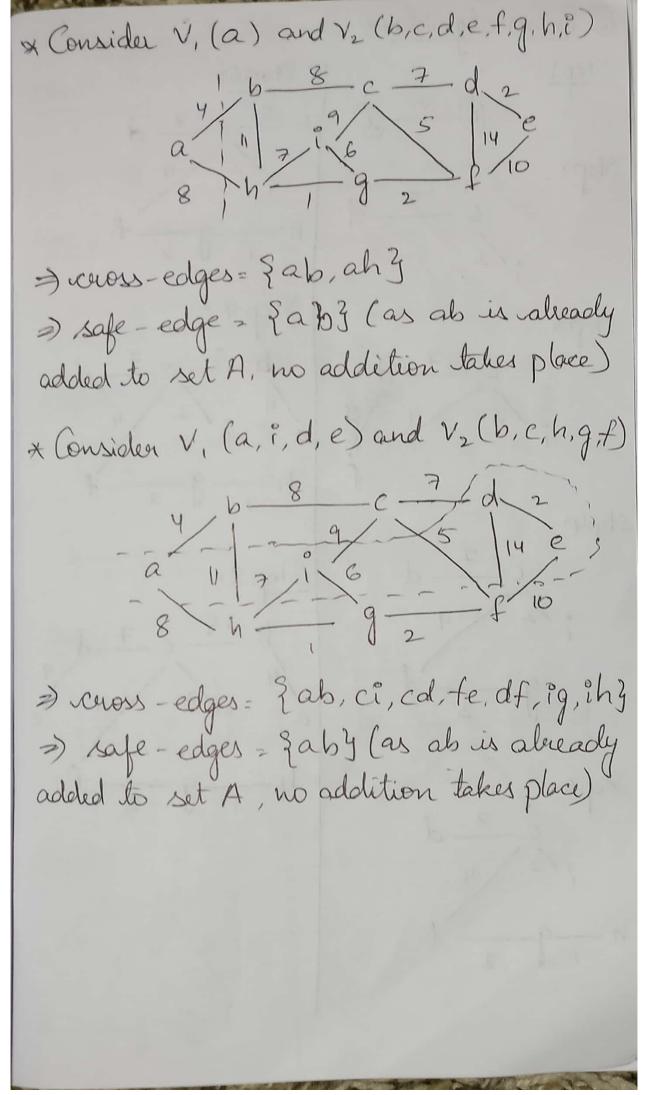
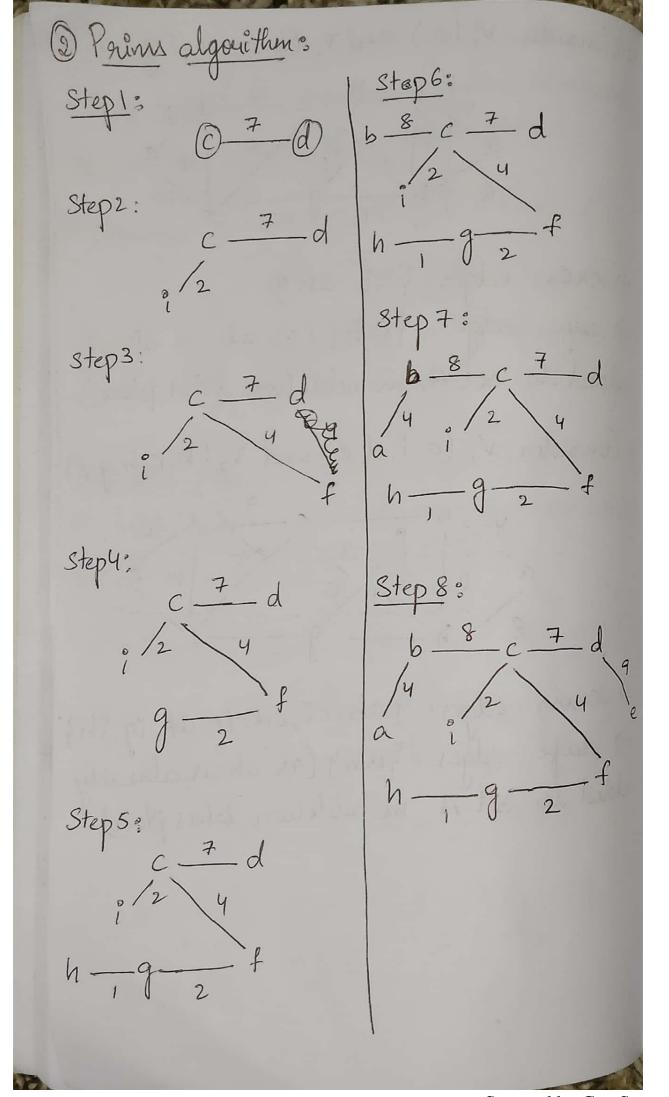


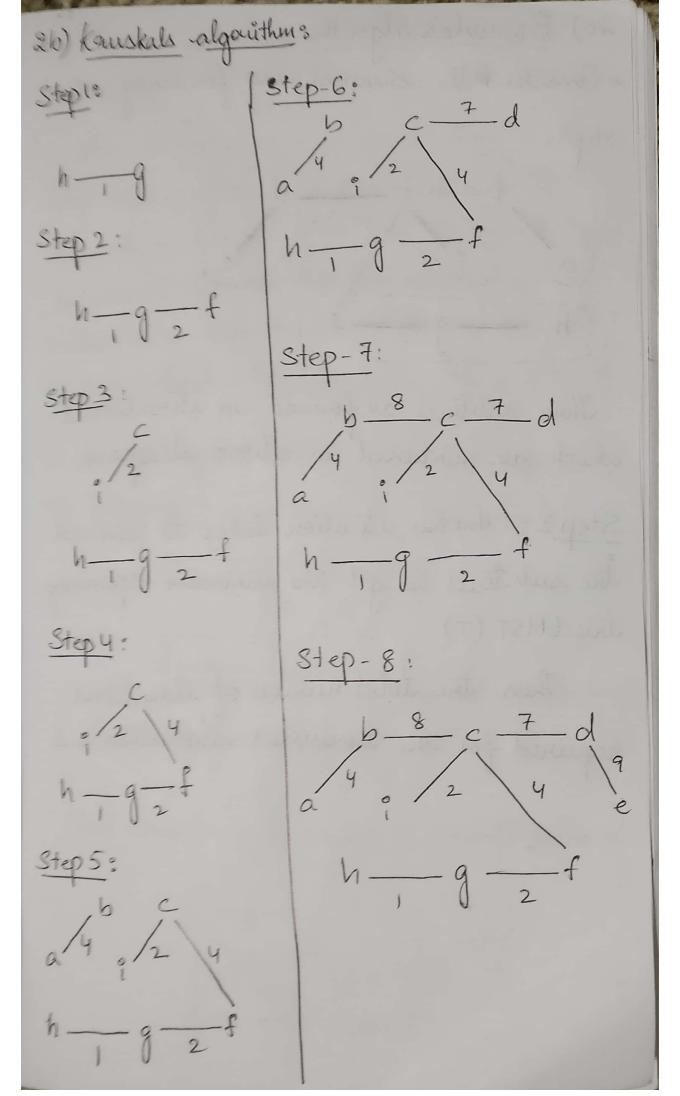
¿. The cuoss edges are {ab, bh, ci, hi, ah, iji implying the safe edger is faby as set A has Eaby in it Consider V, (d,e) and V2 (a,b,c,f,g,h,i) 8 h - 9 2 f 10 ⇒ Cross edges = ¿Cd, df, fe g. t
⇒ safe edge = ¿Cd z with weight '7' > Av {cd} * Consider V, (h, g, f) & V2 (a, b, c, d, e, ?) 4 b 8 c 7 d 2 9 c 7 d 2 14 e 8 h 9 2 f 10 =) Luss edges = {ah, bh, hi, ig, if, ef, dfy => safe edges = {cf} with weight 5' =) Auscfq

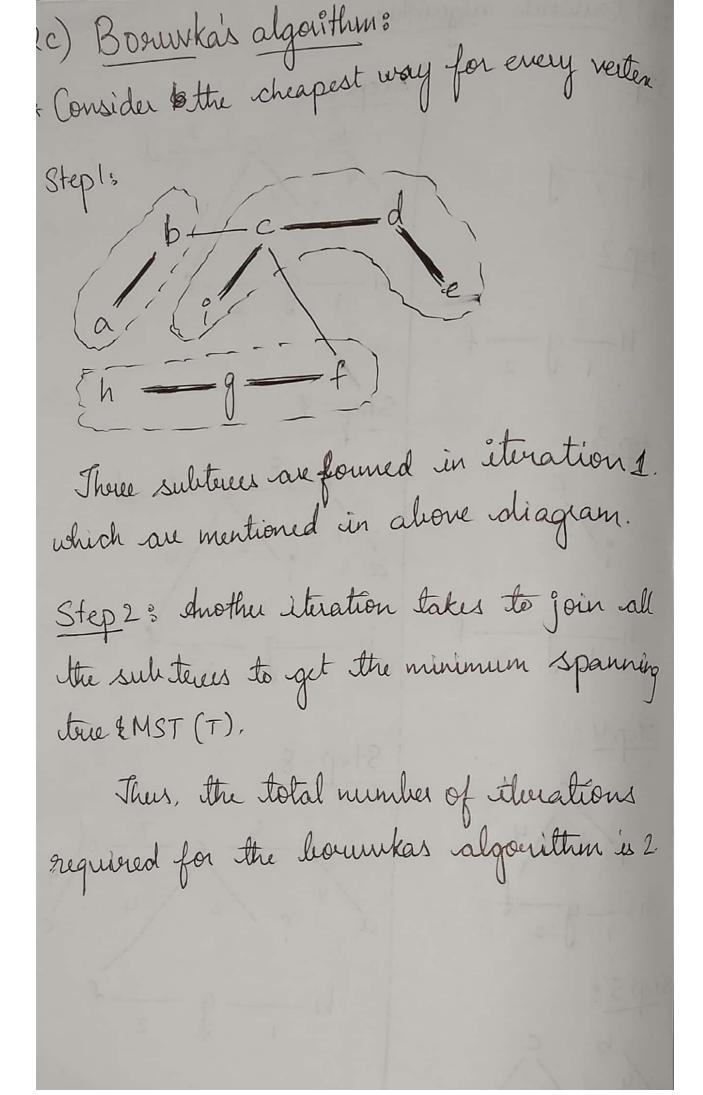


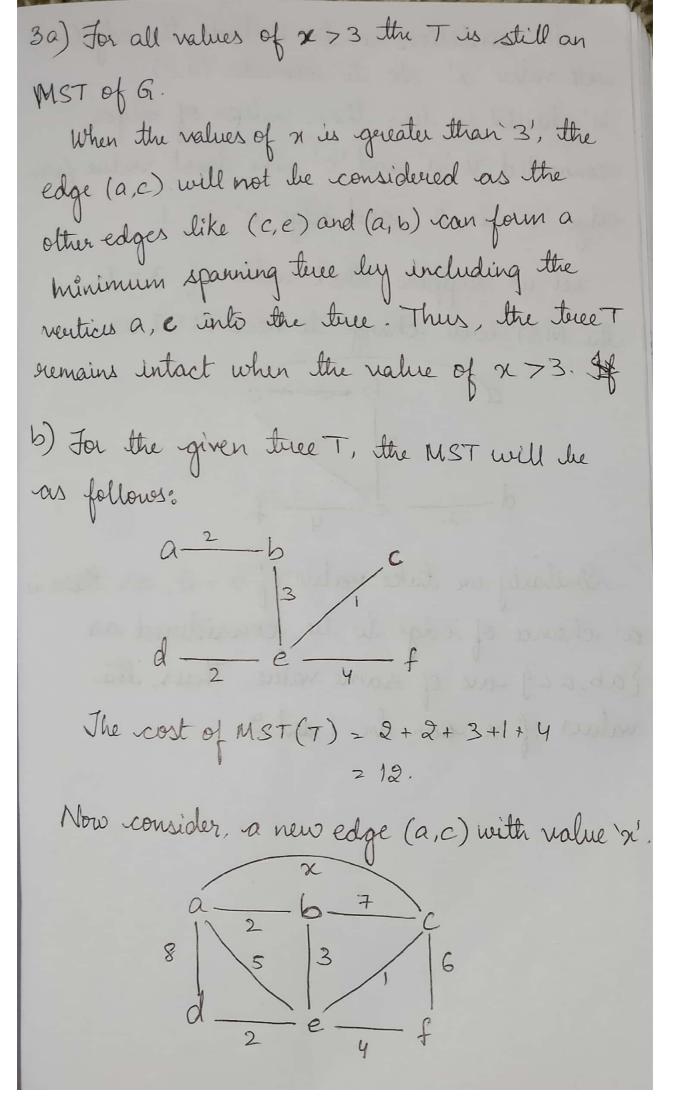












The condition is to include the edge (a, c) with value 'x'. So, to consider (a, c) 'n' should be less than values of edges connected to 'a' and 'c'. The least value from edge 'a' is '2' and edge 'c' is 1. Let us suppose, that value of x = 1, the MST will change to new MST as d _ 2 e _ 4 f Similarly we take value of x = 2, as there is as chance of edge to be considered as Eab, acy are of same value. Thus, the values of x soon he I and 2.