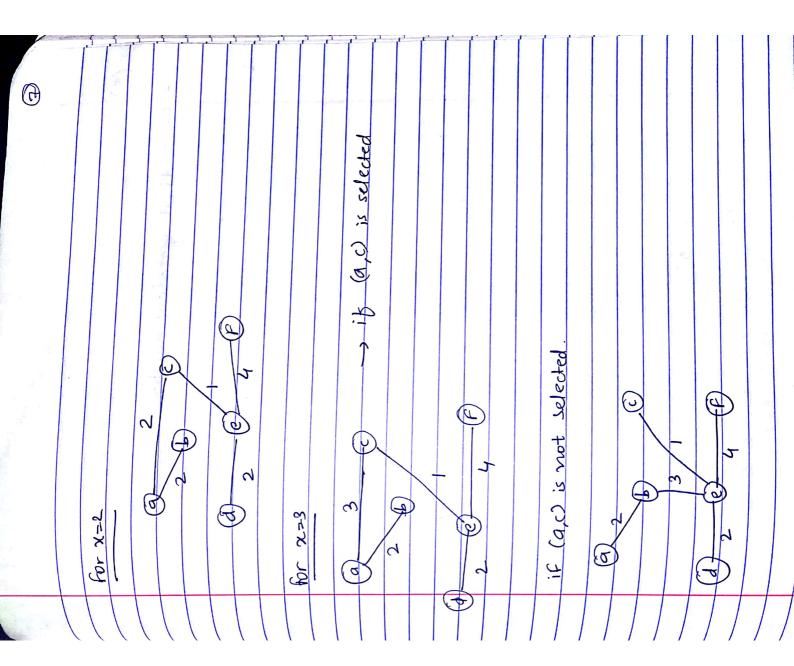
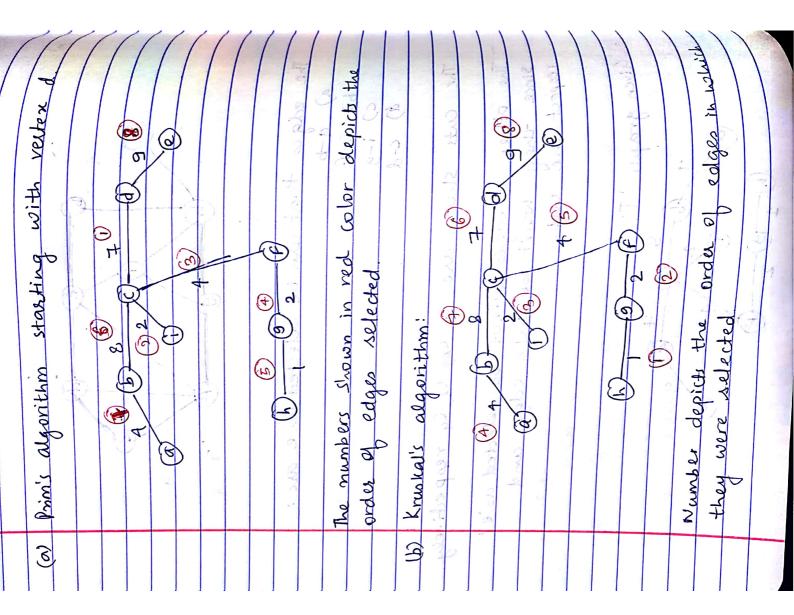
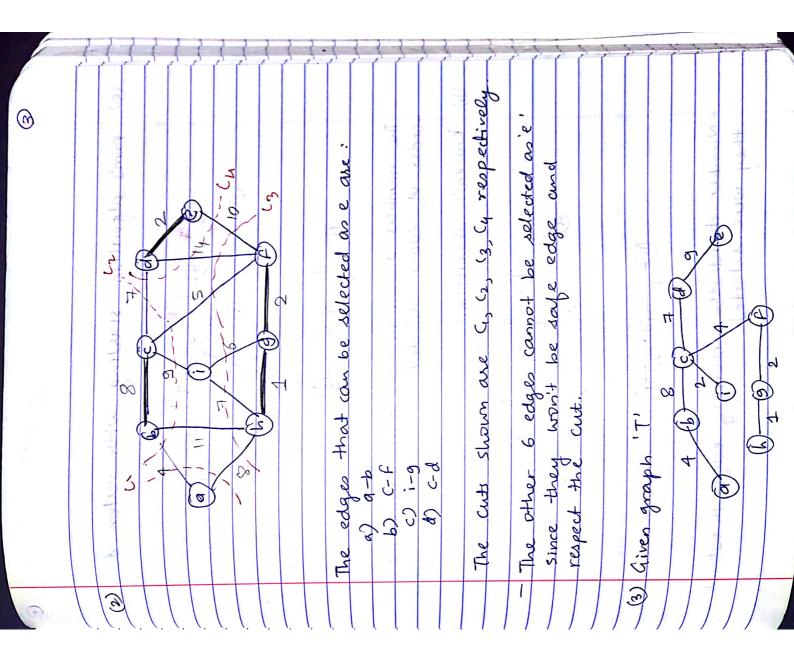
Given that 'm' is the warinum or es all restres, so, by the relax property, we can state that the volve alicve it's shortest path in v.d. By the upper-bound property, after m iterations, no	Therefore, no d'values will change in (m+1) iteration. I we make in iterations, we can't terminate	algorithm. (c) we have to will set a fle	So, Relax (u,v,ω) if $v \cdot d > u \cdot d + \omega(u,v)$ $v \cdot d = u \cdot d + \omega(u,v)$ $v \cdot p \times v = u$ $v \cdot p \times v = u$ $v \cdot p \times v = u$ $v \cdot p \times v = u$	BELLMAN-FORD (G, W, S) Thithals re-single-source (G, S) Thithals re-single-source (G, S) Wished = true While visited = true Of the while Noited = false (FOR every edge (4, y, w)) Relax (4, y, w) Relax (4, y, w) mode.



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Doruvka's algorithm: We need to find hubber of components for this algorithm	selection of edges by the vertice. The amous will show the preference.	- Non-annected components are independent	(a) (b) (b) (c) (d) (d) (d) (d) (d) (d) (d) (d) (d) (d	(h) *(g) <-(b)	- Now according to adaptith, find the min-weignt	Therefore number of iterations = n-1=3-1=2 and edges jound will be CCF) and (b,c) in two iterations.
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