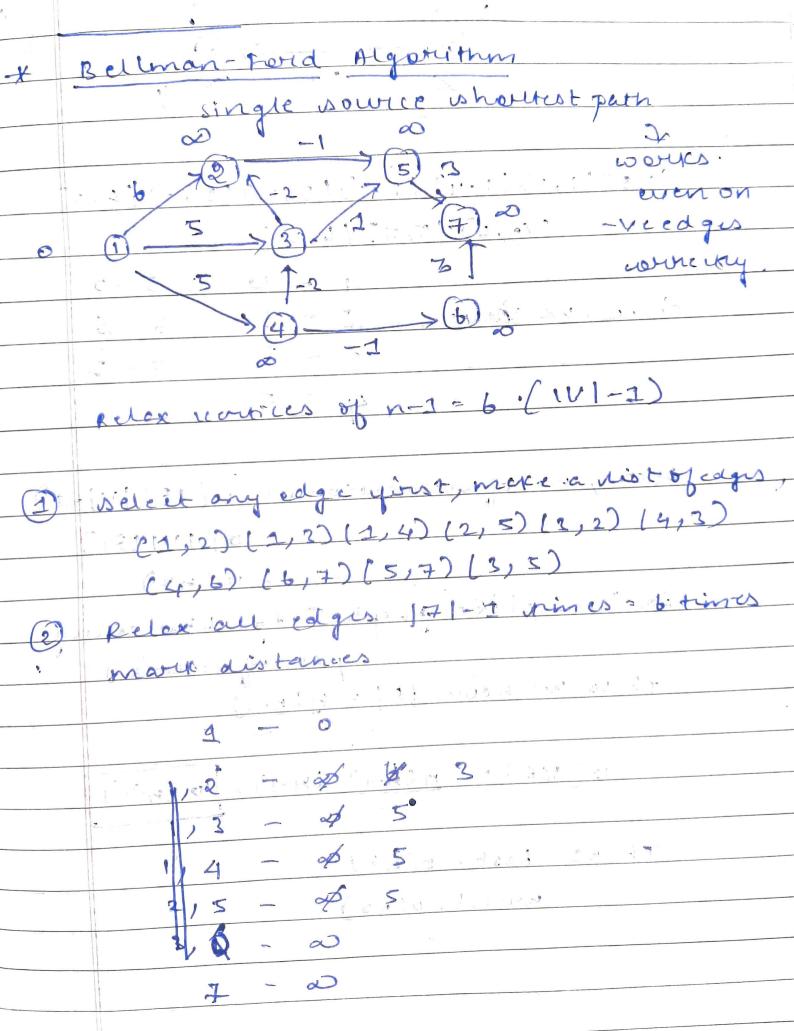
## DYNAMIC

I had I may predictioned procedure to obtain optimal soln all feasible solns, Tabulation Memoisation. bottom up Top-down-apptuch approach + (Fisonceii. ) F(n) = F(n-1) + F(n-2) n>1 F(0)20 F(1)21 Lo o(nN) niitens, N-capeuin Fli, 5) = [max of F(1-1, 1), V; # 1=(1-1, 1-wi) -- ( - 1) 13 ) - 1 + 1 + w) La. X optimal subset - most valvable subset. initial condition - [F(1,0)=0 ", F(0,1)=0 Bottom up approch - subproblem to god (n+1) 10 ms (w+1) cols: Top-down approch 1. Menory function; while performing of norcewisively, it stelles some yaire in menony. 2. Wintuck in that's afron ! intrainse all other values other than rturous, vole to -1 tili) i: 28+ situms ju capeusty

Transitive closure Vi - dist of intermedicite your ces each numb and not higher 11 = 9 V F-1 = 1 FIC K' Henry (k) = N (k-1) on v and v (k-1) complexity 20(n3) (Oi)  $(N_i)(K) = N_i(K-1)$   $(N_i)(K) = 1$   $(N_i)(K) = 1$   $(N_i)(K) = 1$   $(N_i)(K) = 1$ - Later date of the same of the same of the contraction of FLOY 19'S ( BU pairs is horist) dist by A+A / B-R = 0 if intomodicte worker! ii) No intermedicte ? de k-1 



2 0 1 - 3 83. 1-2 (1,2)(1,5)(1,4)(2,5)(3,2)(3,5)(4,3) (4,6) (5,7) (6,7) 7 5-0 2 - 1 - 5 - 4 thus, ne share in the second of Table and relate Herr, no of vicloxations = 0 (1E1/141-2) DOLNILEI) in complete graph [ Tedge blue encry. pain of worker ? Thus we have (E) = nin-1) 0 ( (E) 2 n(n-1) (n-1) = [0 (n3) Thurs, best: o(n2) Q .

4 3 3 4 8listice (2,2) (2,4) (3,2) (4,13) 4 - 5 (3,2)(4,3)(1,4)(1,2)(2,4) Here, even infort n-1 no: of relaxations, ratures of edges change upon relexation 1 because we have more than & cycle of edges in the graph giving 2) -10 (-2) -> which maons its,
edges will reduce
continuously - ye weight eyele.

Ti, w] = maxfy[in]