TSP using DP by formula g(i,s) = min & Cik+g(K,s-5K33 here g(i,s) is a recursive function and S is the set of Vertices and IX is selected verties except i, S-SIL3 -1 is sely vostices without K CIX is less xouple adjaconcy matrix C10=10 C12=10 of. C21 = 5 13 0 12 both the doods -1 S = S = 2,3,43 or offeredidin way 1 do 2 8 9 I to I may Assume that stasting vender is i is (have diffart en ld may be [2, 3, 4] Han ast smula is 1, { 2,3,43) = min { CIN + g(N, S- H)} &14+9(4,233) 413+9(3,124) = 20+9(4,813) C12+9(2/8,43) 15+9(3,814) 10/9 (2, 3,43) C34+9/4/22) (4) C/20+9(2/49 C23+g(3,843) Czu+g(4,137) = 13+9(2,143) = 10+9(4/37) 9+ 9(3,54) C24+ g(4, 0) 10+8=18 8+5=13 C34+g(4,6) C43+9(3,0) = 12 + 8=20 9+6=15

