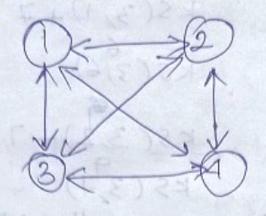
Travelling Salesman Problem



1 2 3 4 1

Hamiltonian cycle.

Start & ending are is same with other vertices visit atmost one in the given graph)

Bruterforce method. TSP (1, 52, 3, 43) = C(1,2) + TSP (2, {3,43) (1,3) + TSP (3, {2,43) L = c(1,A) + TSP (4, 2,83)

= 0 (m.2") < 0 (n") mx2" (12) (2)=4 (3,4)+T(4,563) (4,2)+T(3,563) (2,4)+T(4,263) (4,2)+T(2,263) (2,3)+T(3,263) (3,2)+4 (n-1) X2n-(2,3)+T(3,843) (2,4)+T(4,833) (3,2)+T(2,843) (3,4)+T(4,823) (4,2)+T(2,833) (4,3)+ (1,2)+T(2,83,43) (1,3)+T(3,82,43)=7 (1,4)+T(4,82,33)=7 m x x 2 ((3,1)=1 ナスナストナート - スインとしますしこす is (it, 1) S= + A recursive relation (2,1)=4 T(1, {2,3,43) ***** (4,1)=3 = C(1,14) + TSP (K, S-8K3) (FSP (2,3) 2E. (4,1)=3

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