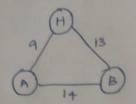
aiven:



Initial Pheromone values:

इस्ताः

Find Next Transition Phobability

Find PHA and PHB

Now, and moves to B by updating the Pheromone.

Pheromone updation:

[Since ant moved from H to B, calculate

ATHB] {ATHB = 90 = 6.9231}

THA = TAH = (1-0.)(0.15)+0=0.135

THB = TBH = (1-01) (0.26)+6.9231 =7.1571

TAB= TBA= (1-01) (0.48)+0= 0.432

stepa:

From B, ant moves to A since only one non-visited vertex. Therefore, update the pheromone.

Pheromone updation:

Calculate A TBA = of for others consider o.

steps:

Now back to home. Update the pheromone:

Therefore shortest path is