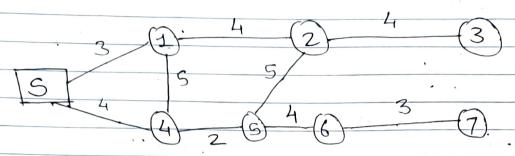
EXPERIMENT NO. 4

A* algorithm



Start state(s), 6001 state = 7. Find path using A* search, given h(1) = 14, h(2) = 10, h(3) = 8, h(4) = 12, h(6) = 10, h'(6) = 10, h(7) = 15

Step-I

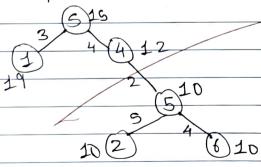
15

Open: 4 (12+4), 1(14+3) Open: 5(10+6), 1 (14+3) sed: 5(15), 4(12+2 ased: 5(15)

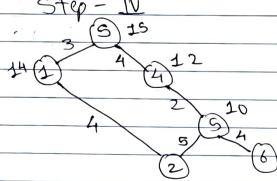
Step-I

(losed: 5(15), 4(12+4)

Step- III



Step-IV



Open: 1(14+3), 6(10+20), 2(10+12) Closed: 5(15), 4(12+4), 5(10+6)

Open: 2(10+7) 6(10+10) closed: 5(5),.., 1(14+3)



