open o: open hist (Projectly Open) thereistic

c: closed wist

Sent step-1

0= { S: 15 }

c = mull

 $S = \{ 1 : 13, 4 : 12 \}$ $C = \{ 5 \}$

Step-3

0={1:13,5:10}

c={5,4}

0 = {4:13,6:10} C = {5,4,5}

Step- 85

0= {1:13,7:0} C= {5, 4, 5, 6}

.. Good state reached

Hence the path is 5-> 4->5->6->7