

A\*

Expanded nodes

S

A

B

CfromB

E

DfromC

F

GfromF

fringe

S(0+6)

A(2+4), B(3+4)

B(3+4), C(5+4)

CfromA(5+4), CfromB(4+4), DfromB(6+3.5)

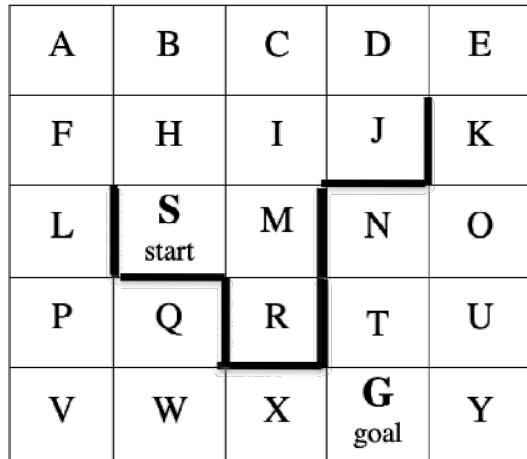
CfromA(5+4), DfromB(6+3.5), DfromC(5+3.5), E(7+1)

CfromA(5+4), DfromB(6+3.5), DfromC(5+3.5), GfromE(9+0)

CfromA(5+4), DfromB(6+3.5), GfromE(9+0), F(7+1)

CfromA(5+4), DfromB(6+3.5), GfromE(9+0), GfromF(8+0)

Solution: GfromF-F-DfromC-CfromB-B-S



Best-first

Expanded

S

M

fringe

S 4

H 5, M 3

H 5, I 4, R 2

R	H 5, I 4
I	H 5, C 5, J 3
J	H 5, C 5, D 4
D	H 5, C 5, E 5
C	H 5, E 5, B 6
E	H 5, B 6, K 4
K	H 5, B 6, O 3
O	H 5, B 6, N 2
N	H 5, B 6, T 1
T	H 5, B 6, U 2, G 0
G	Solution: G-T-N-O-K-E-D-J-I-M-S