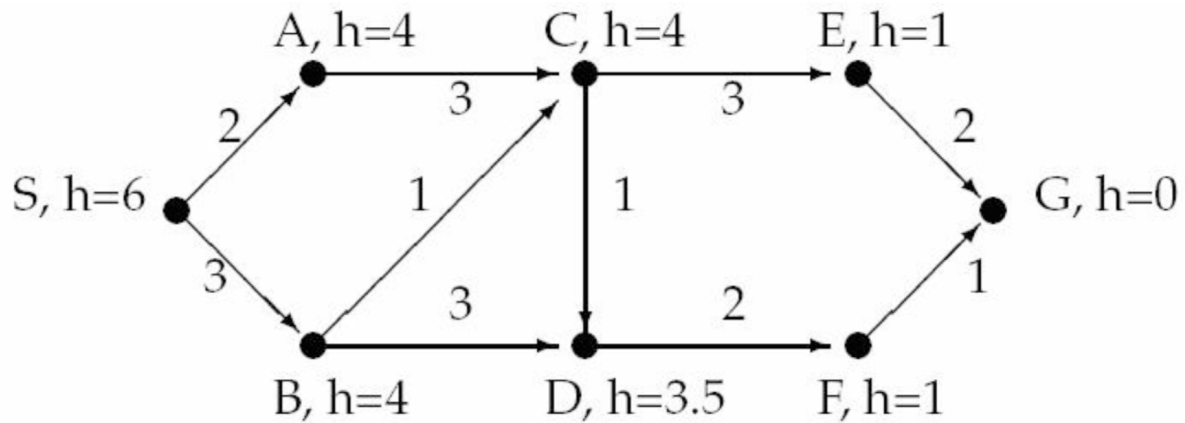




A*

Expanded

Fringe

S(0+6)

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

A B(3+4), CfromA(5+4)

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

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

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

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

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

G G-F-D-C-B-S

A	B	C	D	E
F	H	I	J	K
L	S start	M	N	O
P	Q	R	T	U
V	W	X	G goal	Y

A*

Expanded

Fringe

S(0+4)

S H(1+5), M(1+3)

M H(1+5), I(2+4), R(2+2)

R H(1+5), I(2+4)

H I(2+4), B(2+6), F(2+6)

I B(2+6), F(2+6), C(3+5), J(3+3)

J B(2+6), F(2+6), C(3+5), D(4+4)

B F(2+6), C(3+5), D(4+4), A(3+7)

C F(2+6), D(4+4), A(3+7)

D F(2+6), A(3+7), E(5+5)

F A(3+7), E(5+5), L(3+5)

L A(3+7), E(5+5), P(4+4)

P A(3+7), E(5+5), Q(5+3), V(5+3)

Q A(3+7), E(5+5), V(5+3), W(6+2)

V A(3+7), E(5+5), W(6+2)

W A(3+7), E(5+5), X(7+1)

X A(3+7), E(5+5), G(8+0)
G G-X-W-Q-P-L-F-B-H-S

A	B	C	D	E
F	H	I	J	K
L	S start	M	N	O
P	Q	R	T	U
V	W	X	G goal	Y

Hill-climbing – Manhattan heuristic
Expanded fringe

A	B	C	D	E
F	H	I	J	K
L	S start	M	N	O
P	Q	R	T	U
V	W	X	G goal	Y

A* - Manhattan Heuristic
Expanded fringe