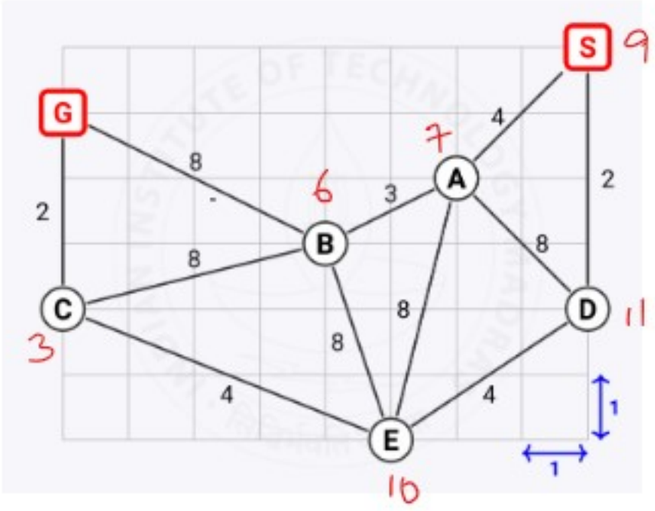
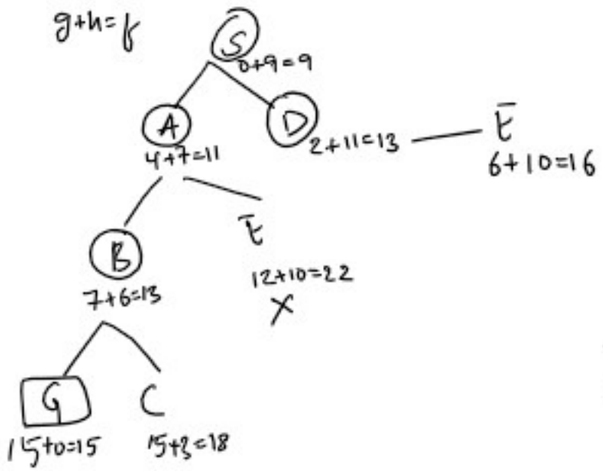
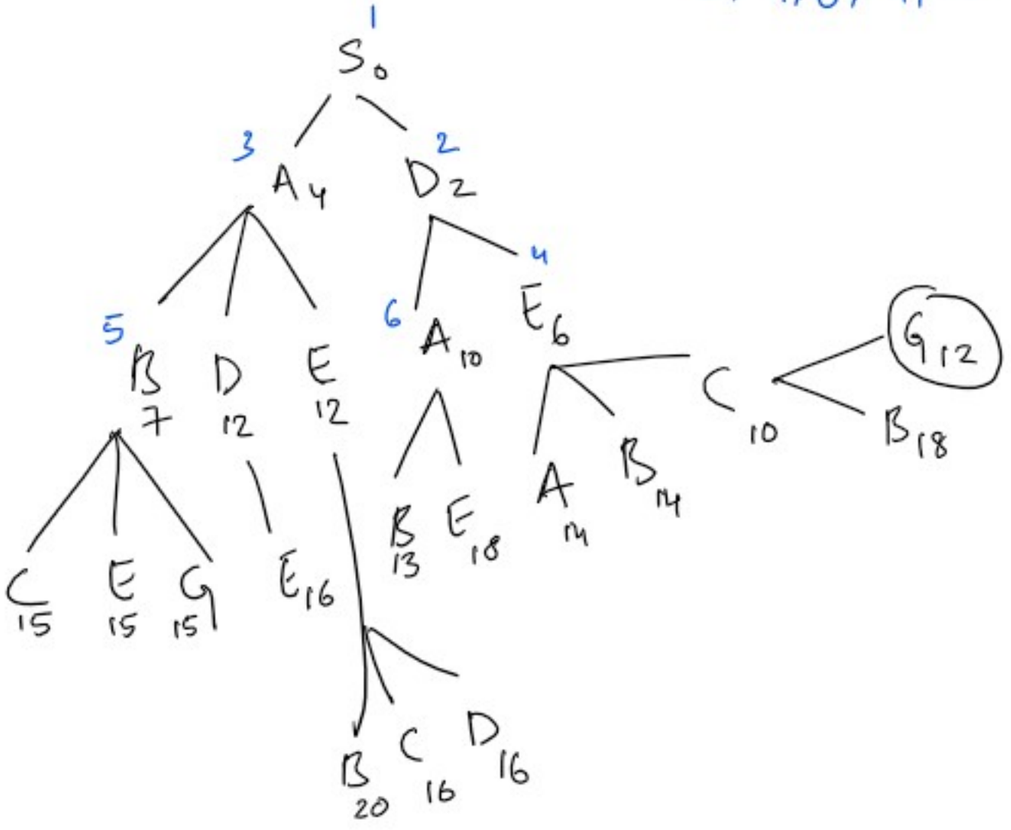
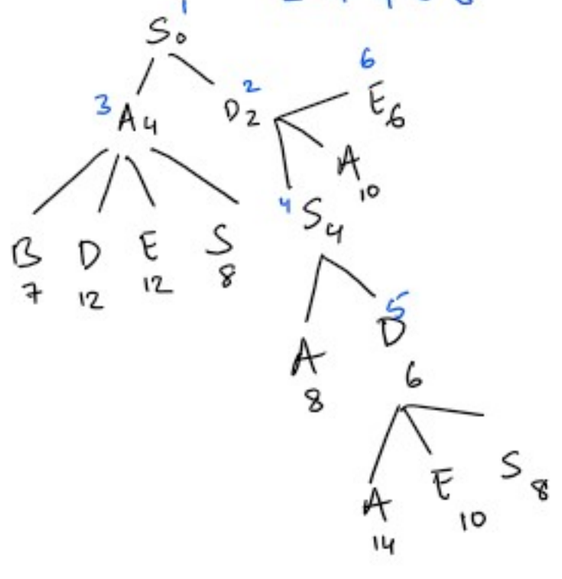




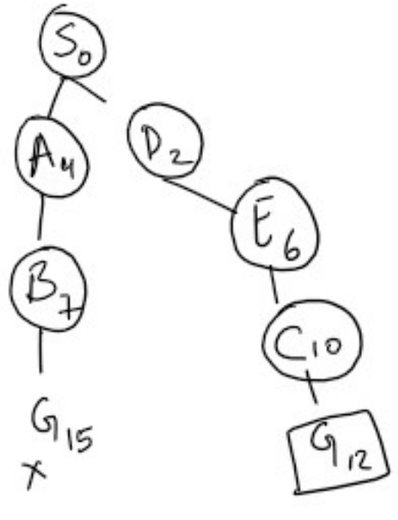
BnB-2 : D, A, E, B, A
2, 4, 6, 7, 10



BnB-1 : D, A, S, D, E
2 4 4 6 6

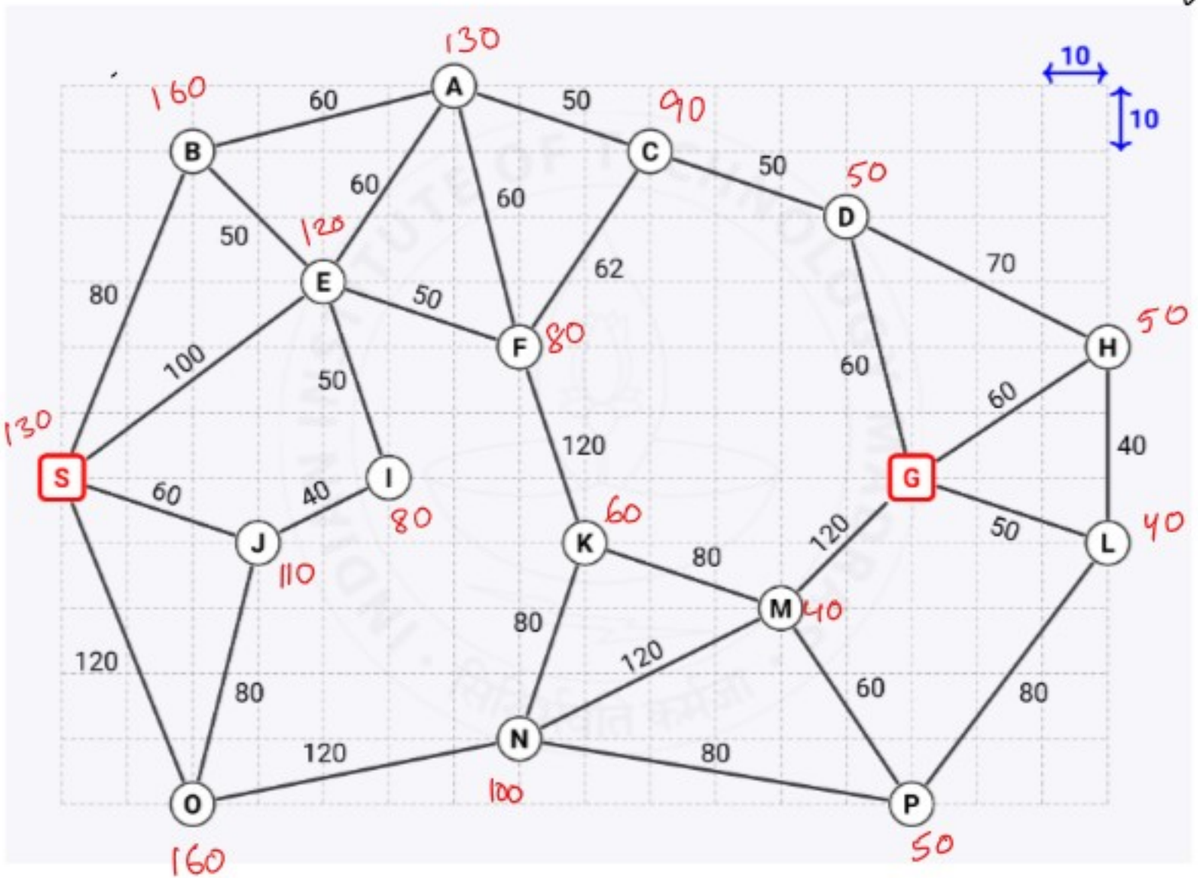


BnB-3 g to c f



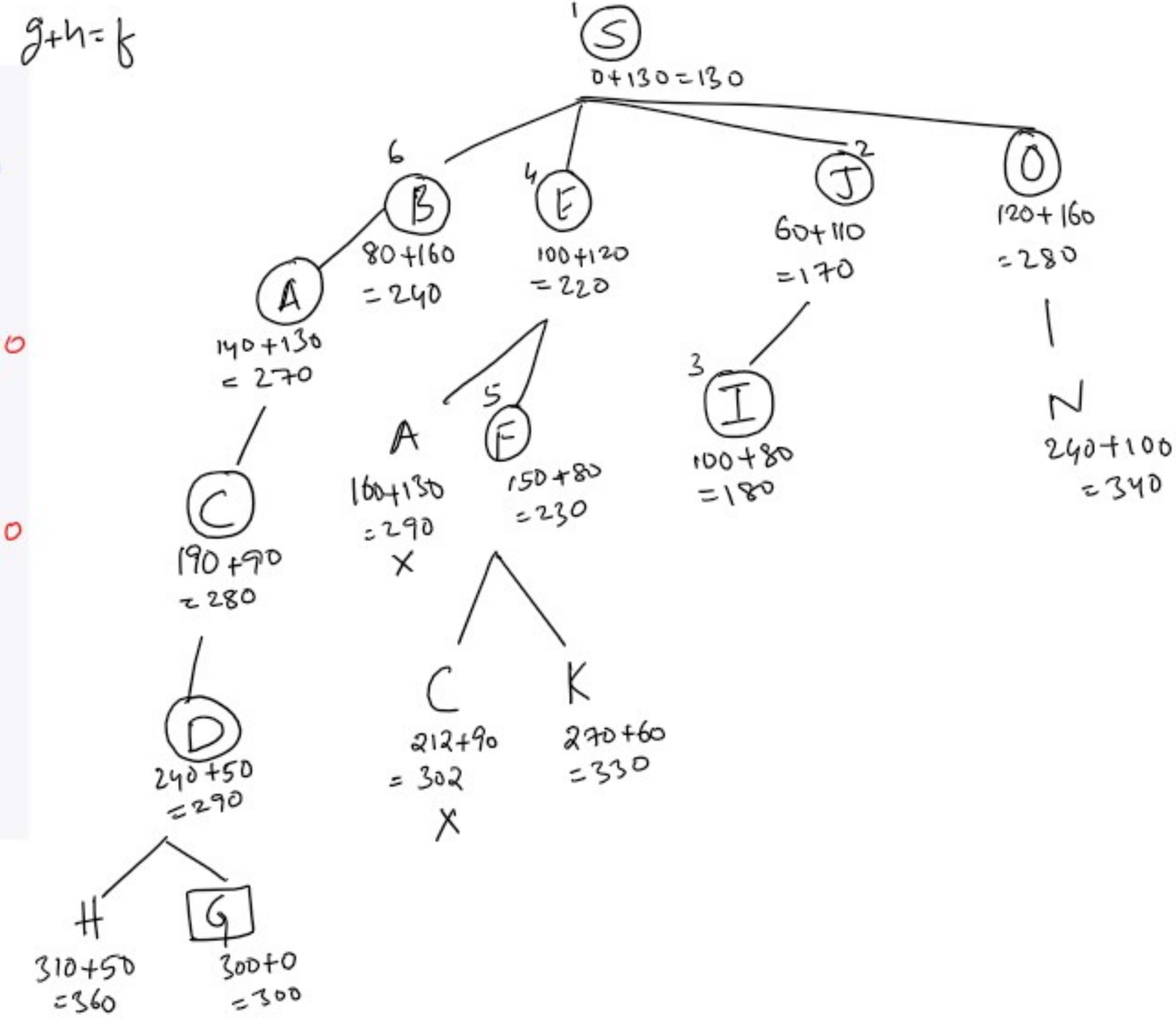
since, h is over estimating, A* lost optimality

$h^*(c) = 2$ but $h(c) = 3 > h^*(c)$



S
A
B
C
D
E
F
G
H
I
J
K
L
M
N
O
P
130
160
90
50
120
80
50
130
110
80
60
40
100
160
50
10
10

g+h=f



1 S
0+130=130
6 B
80+160
=240
4 E
100+120
=220
2 J
60+110
=170
O
120+160
=280
A
140+130
=270
C
190+90
=280
D
240+50
=290
H
310+50
=360
G
300+0
=300
A
160+130
=290
X
5 F
150+80
=230
C
212+90
=302
X
K
270+60
=330
3 I
100+80
=180
N
240+100
=340