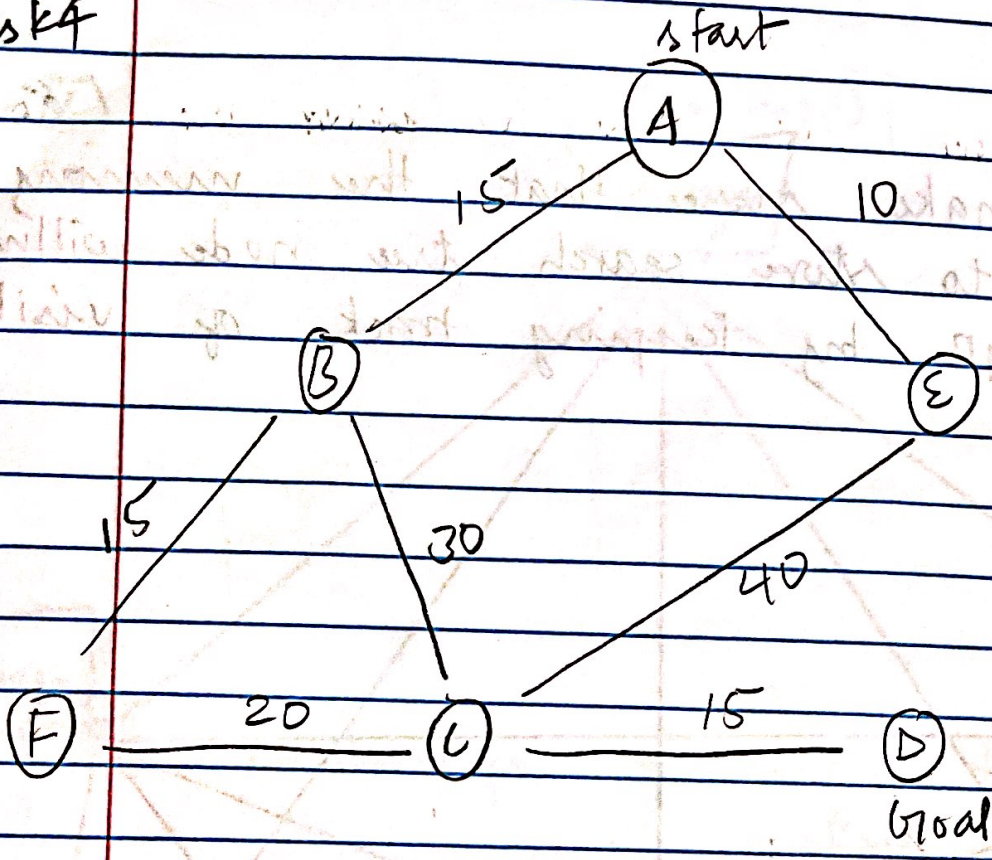
Task4



heuristic	1	2	3
h(A)	5	70	35
h(B)	50	70	30
h(C)	15	70	20
h(D)	0	70	5
h(E)	10	70	0
h(F)	0	70	30

The minimum cost from respective nodes to goal (D)

h(A) = 60
h(B) = 45
h(C) = 15
h(D) = 0
h(E) = 55
h(F) = 35

Now, modify non-admissible heuristic
For heuristic to be admissible their value should be equal or less than the minimum cost

heuristic	1	2	3	4
h(A)	5	60	35	0
h(B)	45	45	30	0
h(C)	15	15	15	0
h(D)	0	0	0	0
h(E)	10	55	0	0
h(F)	0	35	30	0