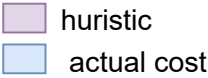
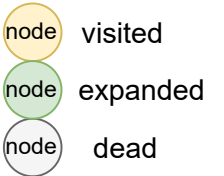


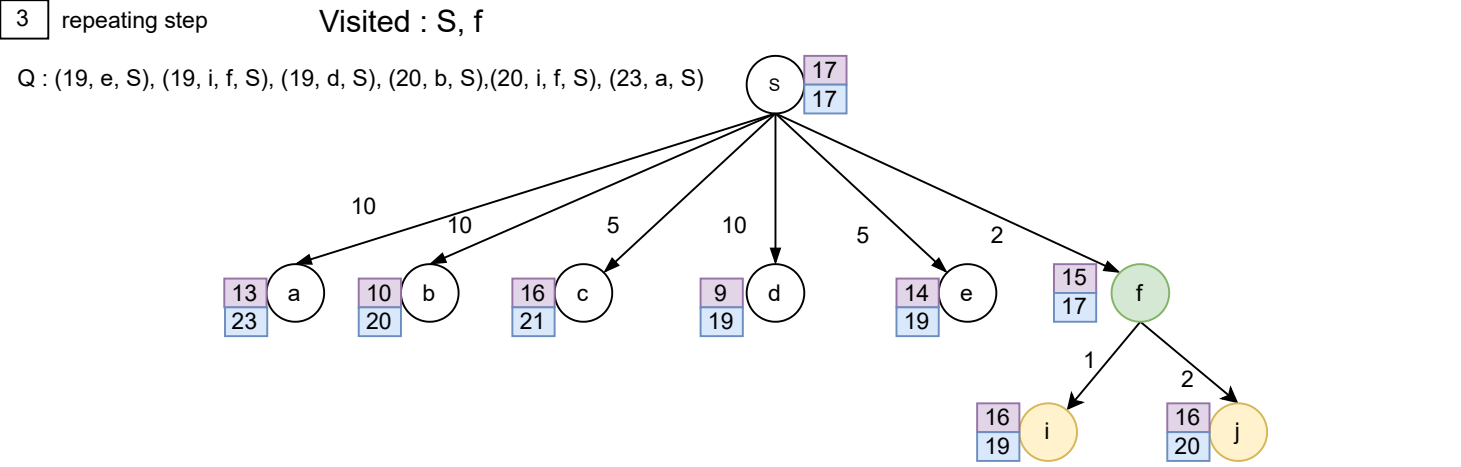
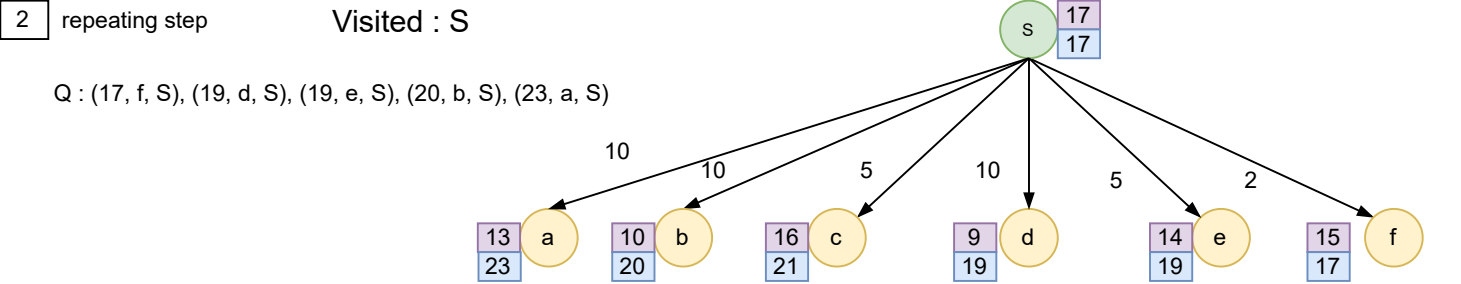
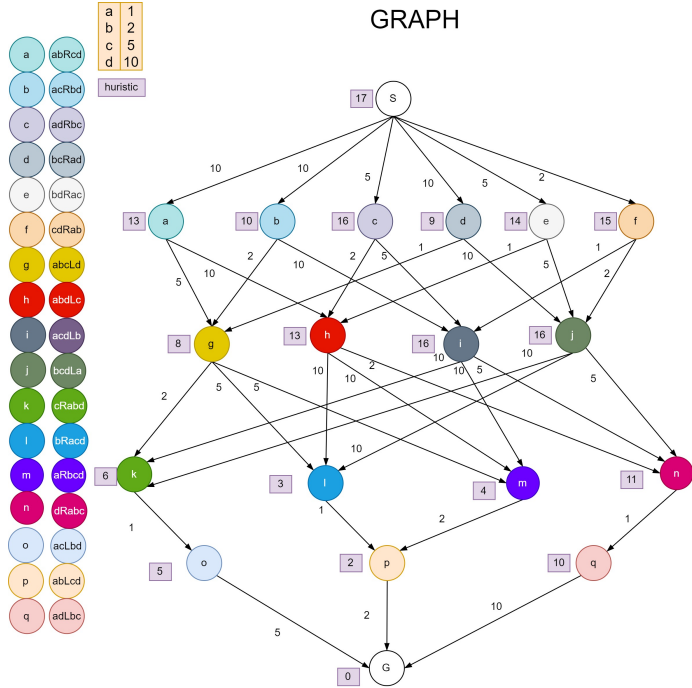
# PR-3-A Star Search

63102105112 Akkarapon Phikulsri



S = START

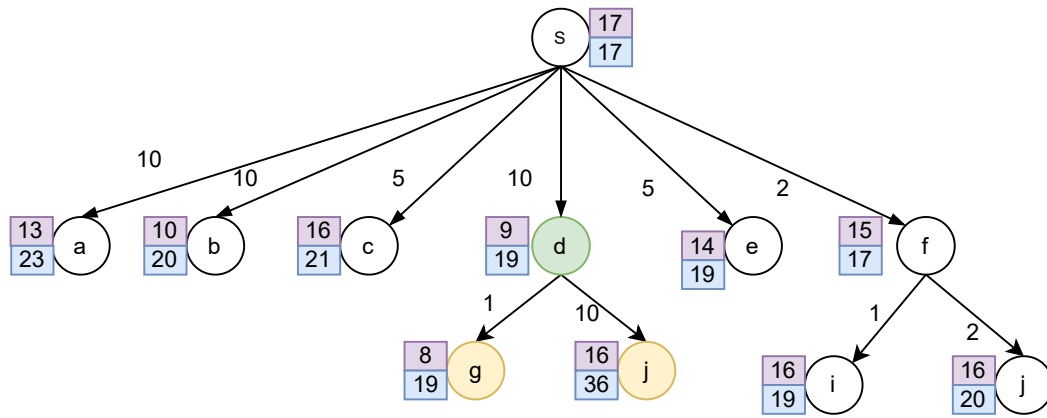
G = GOAL



4 repeating step

Visited : S, f, d

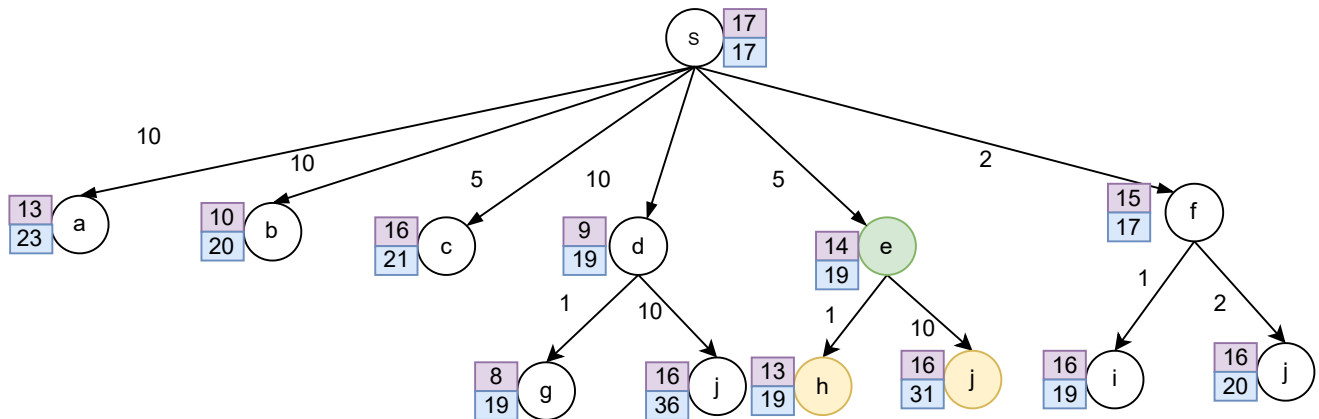
Q : (19, e, S), (19, i, f, S), (19, j, d, S), (19, g, d, S), (20, b, S), (20, i, f, S), (23, a, S)



5 repeating step

Visited : S, f, d, e

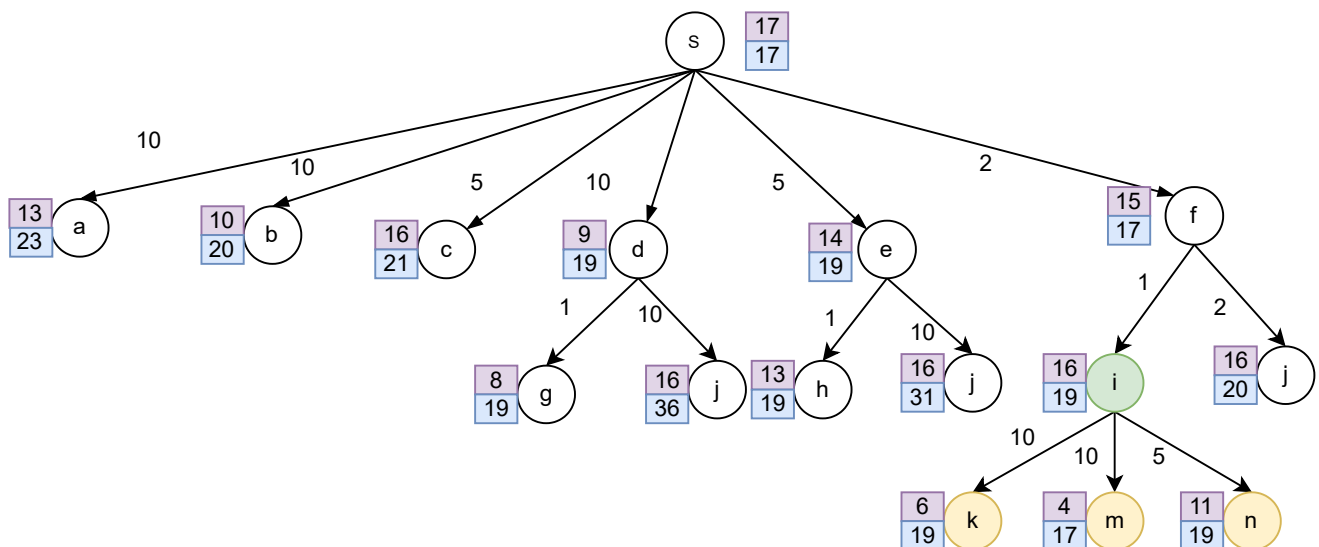
Q : (19, i, f, S), (19, j, d, S), (19, g, d, S), (19, h, e, S), (20, b, S), (20, i, f, S), (23, a, S), (31, j, e, S)



6 repeating step

Visited : S, f, d, e, i

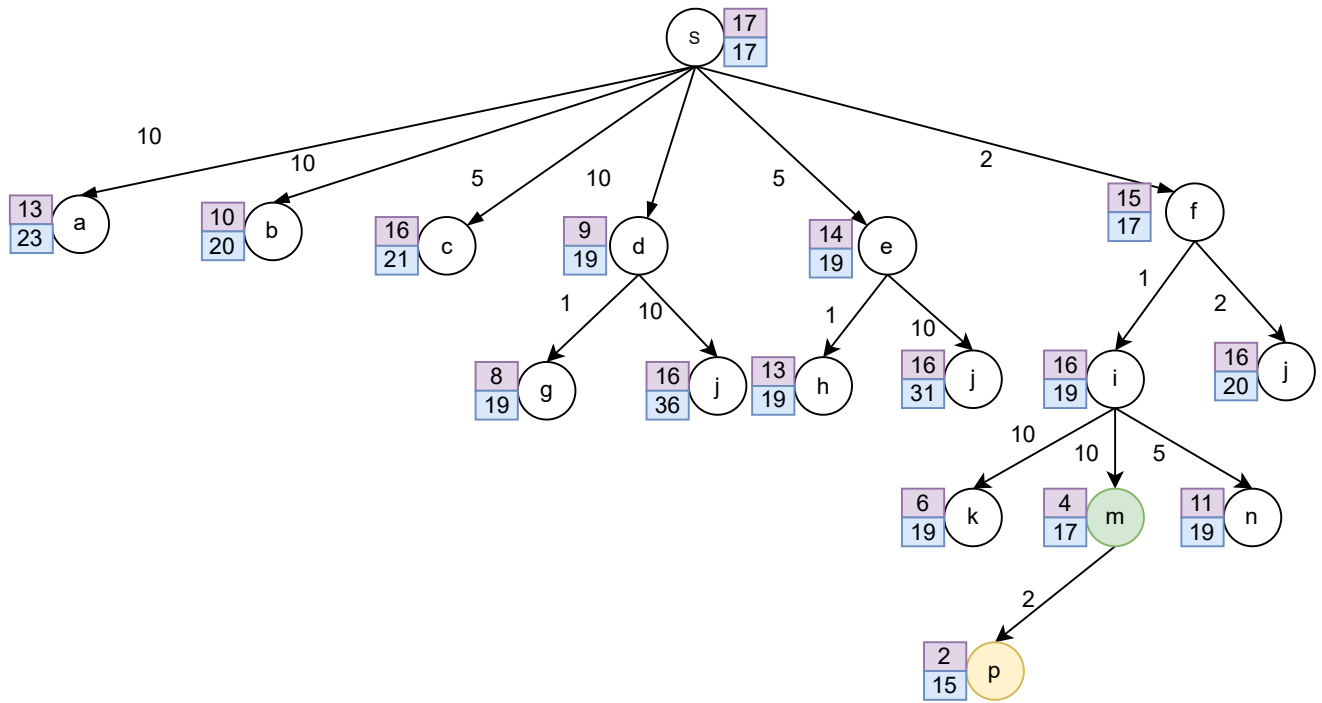
Q : (17, m, i, f, S), (19, j, d, S), (19, g, d, S), (19, h, e, S), (19, k, i, f, S), (19, n, i, f, S), (20, b, S), (20, i, f, S), (23, a, S), (31, j, e, S)



7 repeating step

Visited : S, f, d, e, i, m

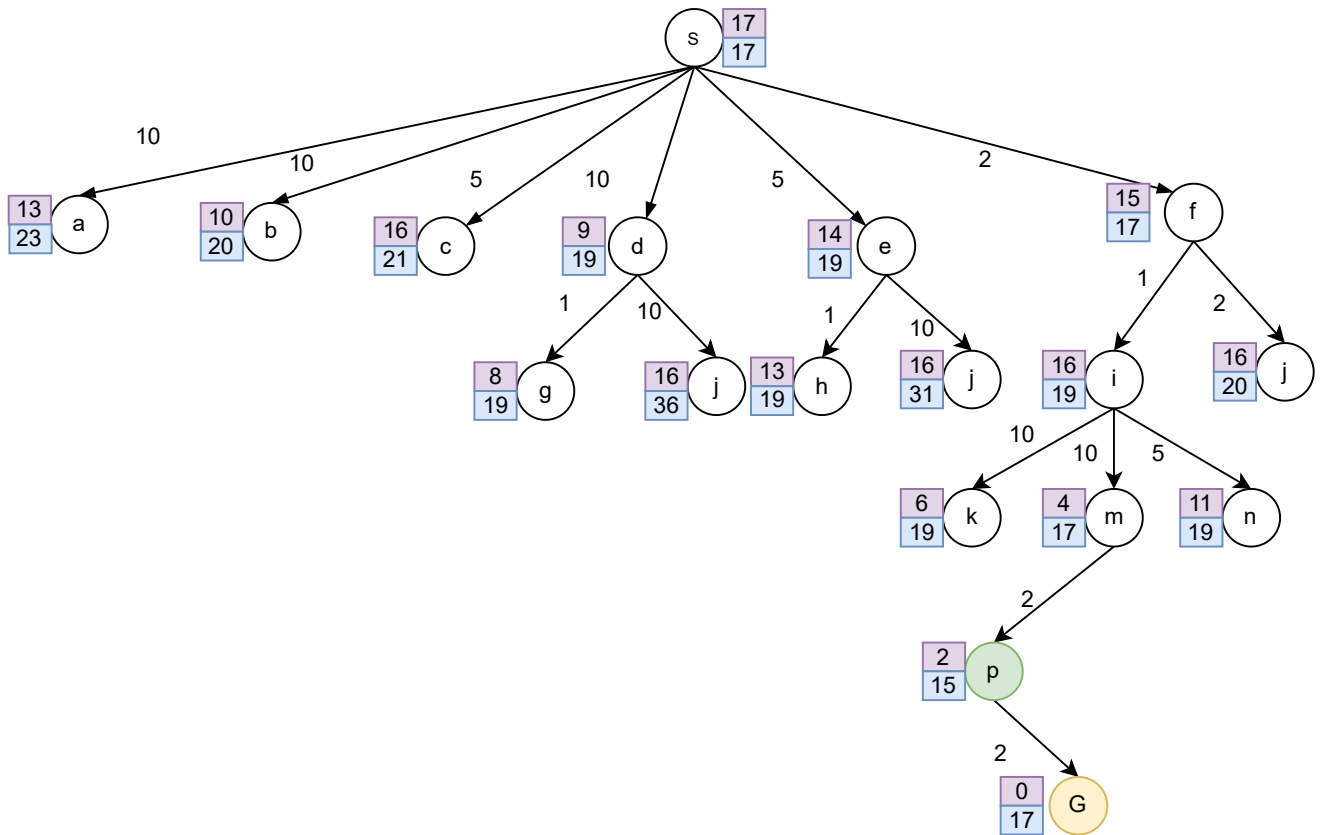
Q : (15, p, m, i, f, S), (19, j, d, S), (19, g, d, S), (19, h, e, S), (19, k, i, f, S), (19, n, i, f, S), (20, b, S), (20, i, f, S), (23, a, S), (31, j, e, S)



8 repeating step

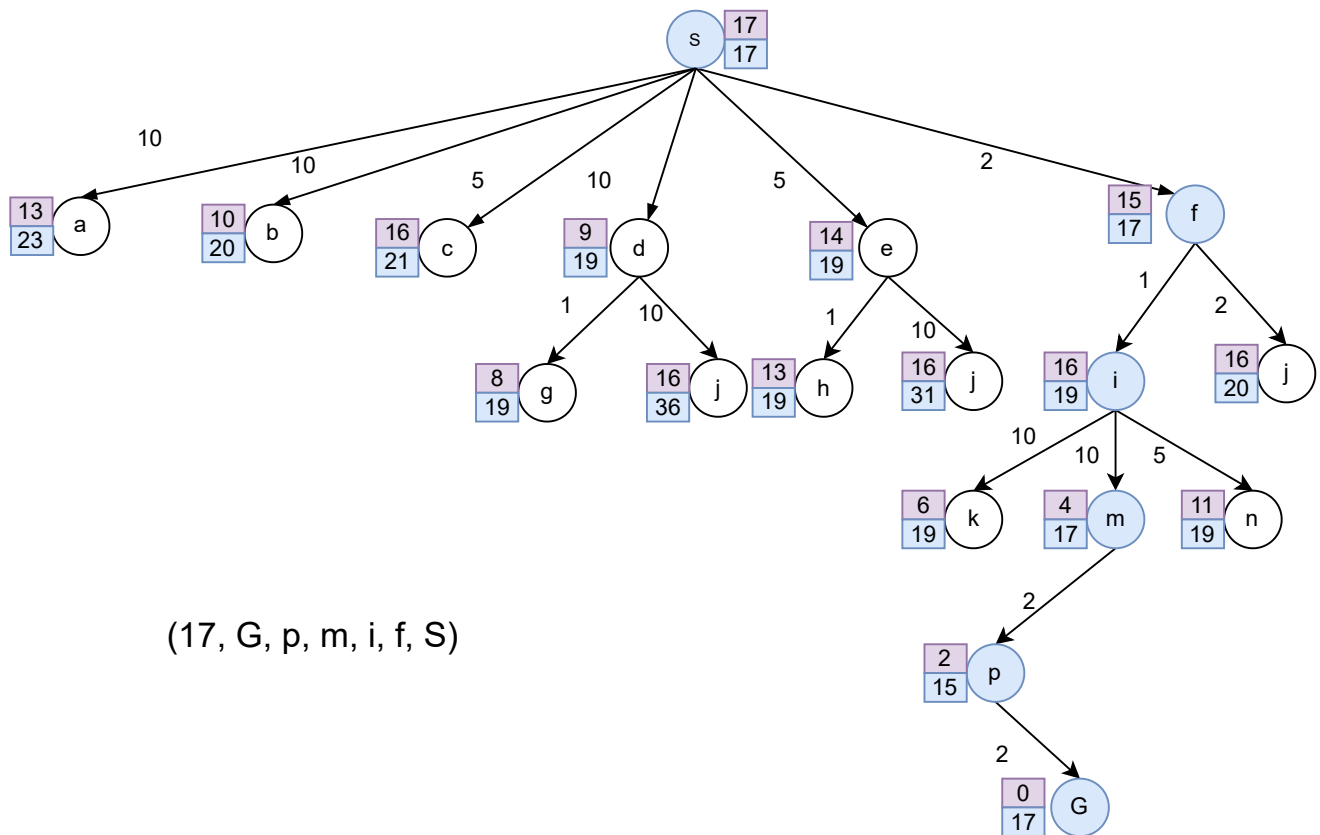
Visited : S, f, d, e, i, m, p

Q : (17, G, p, m, i, f, S), (19, j, d, S), (19, g, d, S), (19, h, e, S), (19, k, i, f, S), (19, n, i, f, S), (20, b, S), (20, i, f, S), (23, a, S), (31, j, e, S)



Visited : S, f, d, e, i, m, p

Q : (17, G, p, m, i, f, S), (19, j, d, S), (19, g, d, S), (19, h, e, S), (19, k, i, f, S), (19, n, i, f, S), (20, b, S), (20, i, f, S), (23, a, S), (31, j, e, S)



	Q	Expanded
1	(17, S)	
2	(17, f, S), (19, d, S), (19, e, S), (20, b, S), (23, a, S)	S
3	(19, e, S), (19, i, f, S), (19, d, S), (20, b, S), (20, i, f, S), (23, a, S)	S, f
4	(19, e, S), (19, i, f, S), (19, j, d, S), (19, g, d, S), (20, b, S), (20, i, f, S), (23, a, S)	S, f, d
5	(19, i, f, S), (19, j, d, S), (19, g, d, S), (19, h, e, S), (20, b, S), (20, i, f, S), (23, a, S), (31, j, e, S)	S, f, d, e
6	(17, m, i, f, S), (19, j, d, S), (19, g, d, S), (19, h, e, S), (19, k, i, f, S), (19, n, i, f, S), (20, b, S), (20, i, f, S), (23, a, S), (31, j, e, S)	S, f, d, e, i
7	(15, p, m, i, f, S), (19, j, d, S), (19, g, d, S), (19, h, e, S), (19, k, i, f, S), (19, n, i, f, S), (20, b, S), (20, i, f, S), (23, a, S), (31, j, e, S)	S, f, d, e, i, m
8	(17, G, p, m, i, f, S), (19, j, d, S), (19, g, d, S), (19, h, e, S), (19, k, i, f, S), (19, n, i, f, S), (20, b, S), (20, i, f, S), (23, a, S), (31, j, e, S)	S, f, d, e, i, m, p
	(17, G, p, m, i, f, S)	S, f, d, e, i, m, p