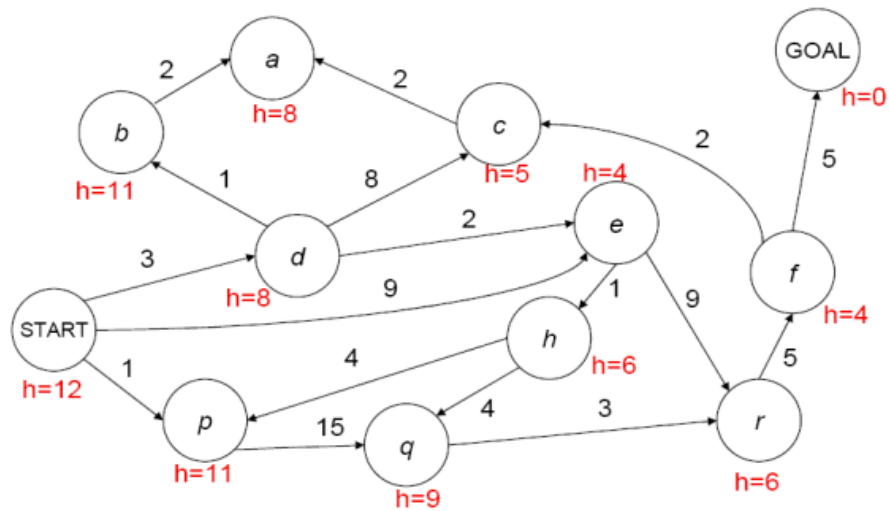


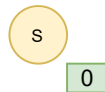
PR-2-Breadth First Search

63102105112 Akkarapon Phikulsri



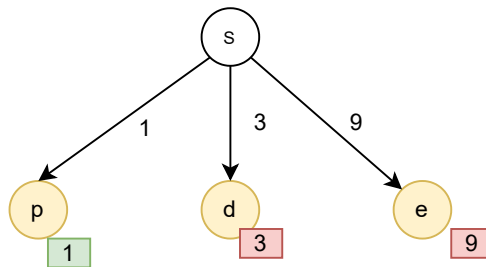
1 initial step Visited : S

Q : (0, S)



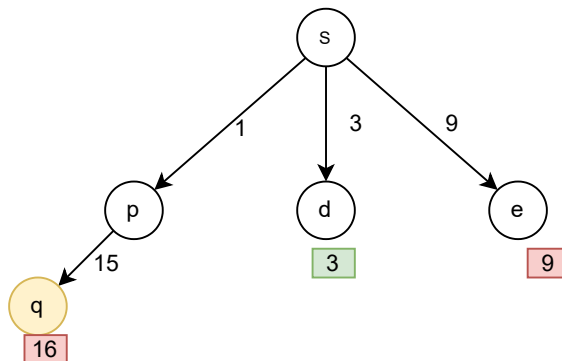
2 repeating step Visited : S

Q : (1, p, S), (3, d, S), (9, e, S)



3 repeating step Visited : S, p

Q : (3, d, S), (9, e, S), (16, q, p, S)

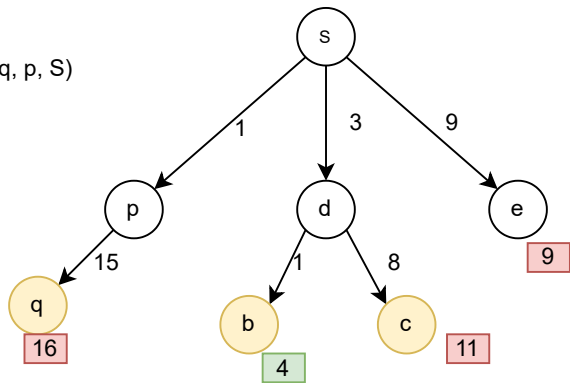


4

repeating step

Visited : S, p, d

Q : (4, b, d, S), (11, c, d, S), (9, e, S), (16, q, p, S)

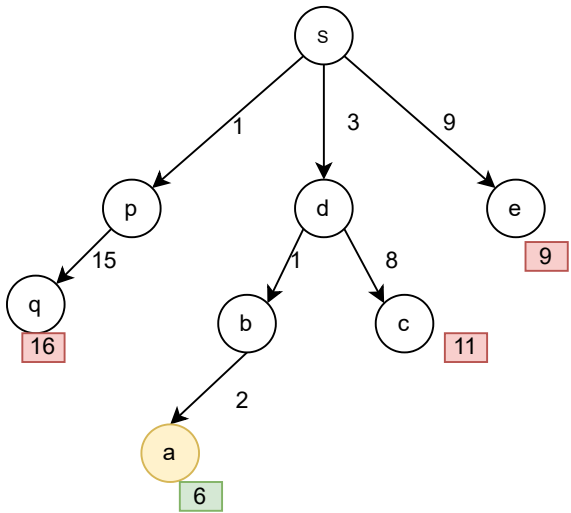


5

repeating step

Visited : S, p, d, b, a

Q : (6, a, b, d, S), (11, c, d, S), (9, e, S), (16, q, p, S)



6

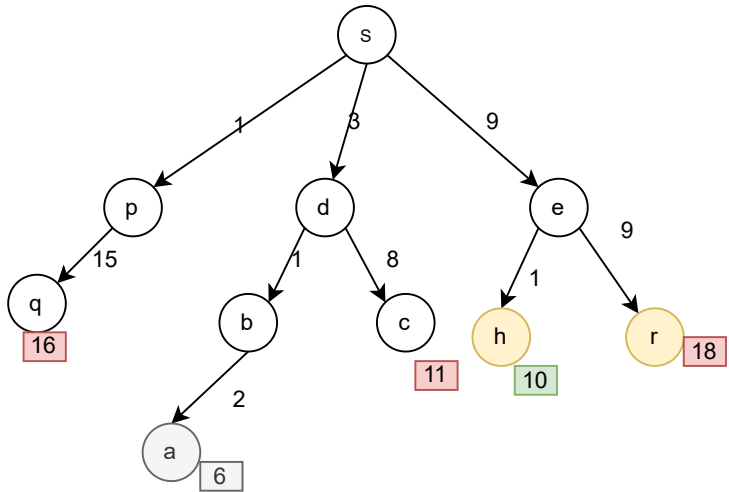
repeating step

Visited : S, p, d, b, a, e

Q : ~~(6, a, b, d, S)~~, (11, c, d, S), (9, e, S), (16, q, p, S)

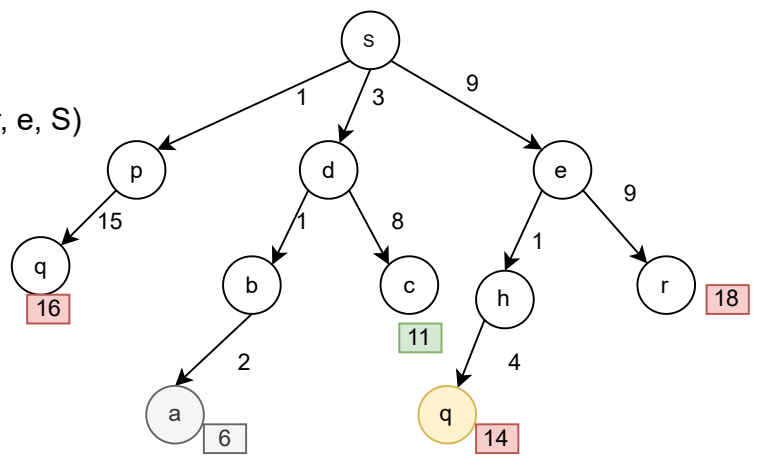


Q : (9, e, S), (11, c, d, S), (16, q, p, S)



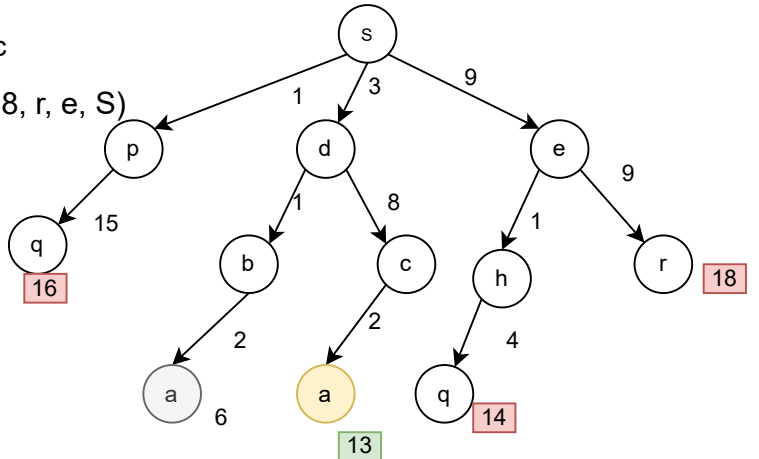
7 repeating step Visited : S, p, d, b, a, e, h

Q : (10, h, e, S), (11, c, d, S), (16, q, p, S), (18, r, e, S)



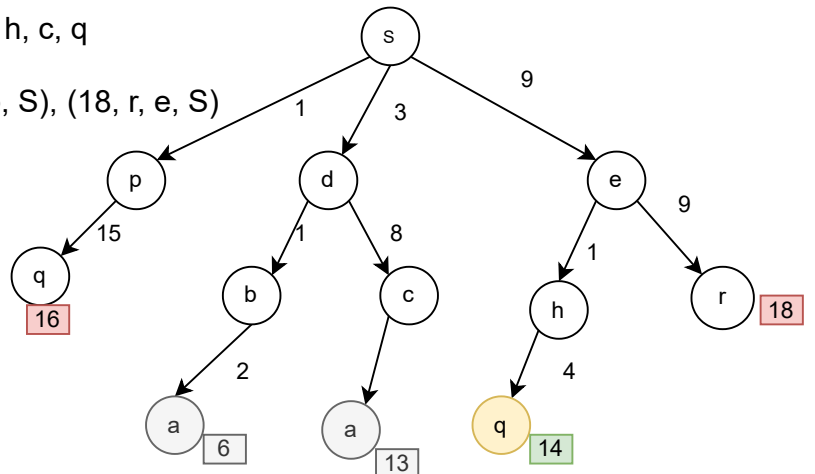
8 repeating step Visited : S, p, d, b, a, e, h, c

Q : (11, c, d, S), (14, q, h, e, S), (16, q, p, S), (18, r, e, S)



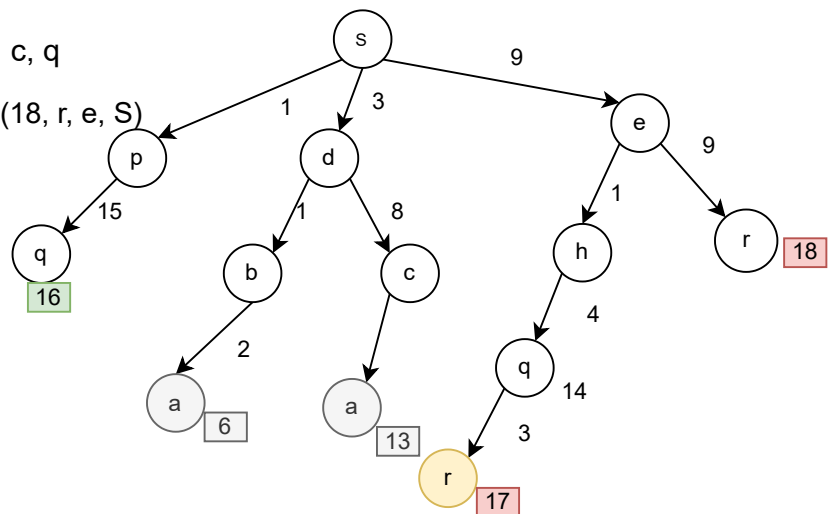
9 repeating step Visited : S, p, d, b, a, e, h, c, q

Q : (13, a, c, d, S), (14, q, h, e, S), (16, q, p, S), (18, r, e, S)



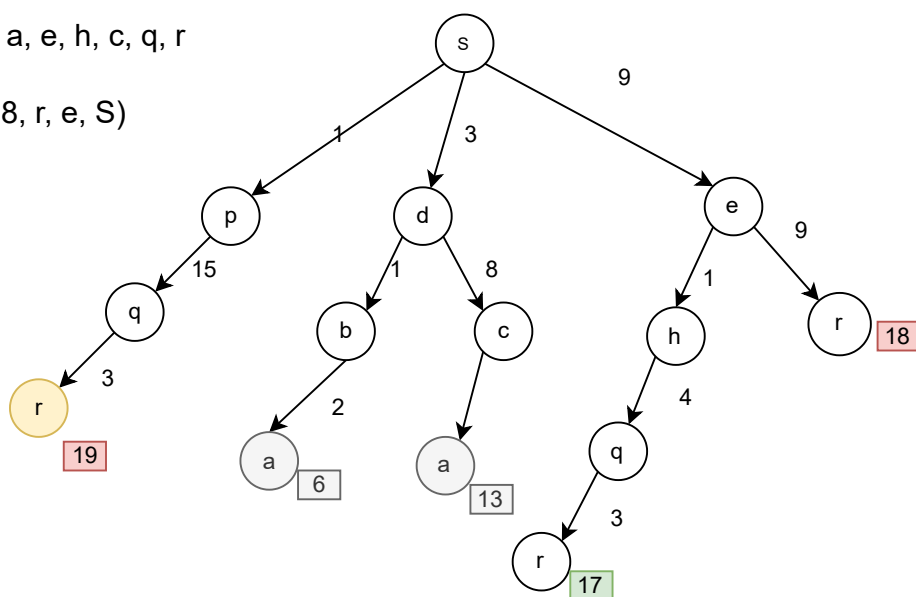
10 repeating step Visited : S, p, d, b, a, e, h, c, q

Q : (~~13, a, c, d, S~~), (14, q, h, e, S), (16, q, p, S), (18, r, e, S)



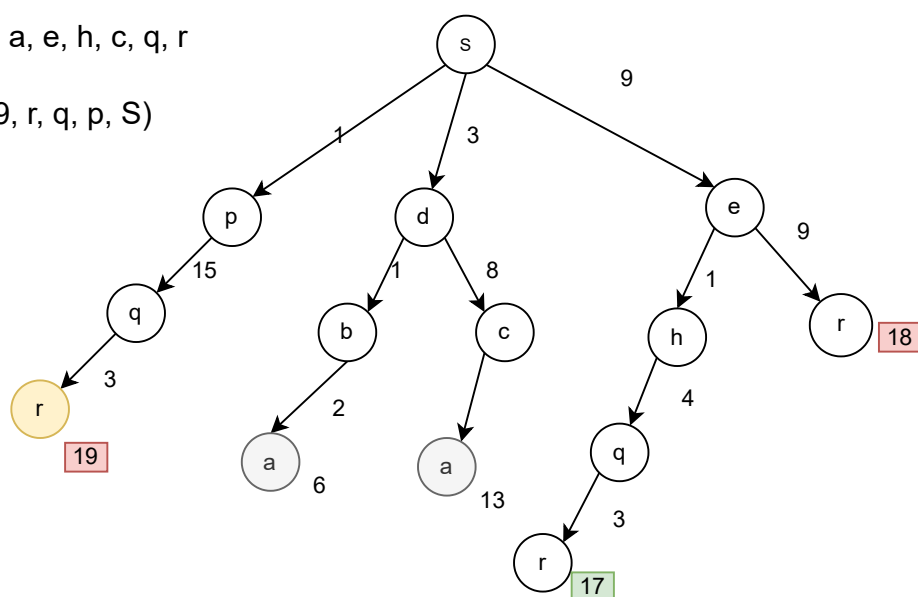
11 repeating step Visited : S, p, d, b, a, e, h, c, q, r

Q : (16, q, p, S), (17, r, q, h, e, S), (18, r, e, S)



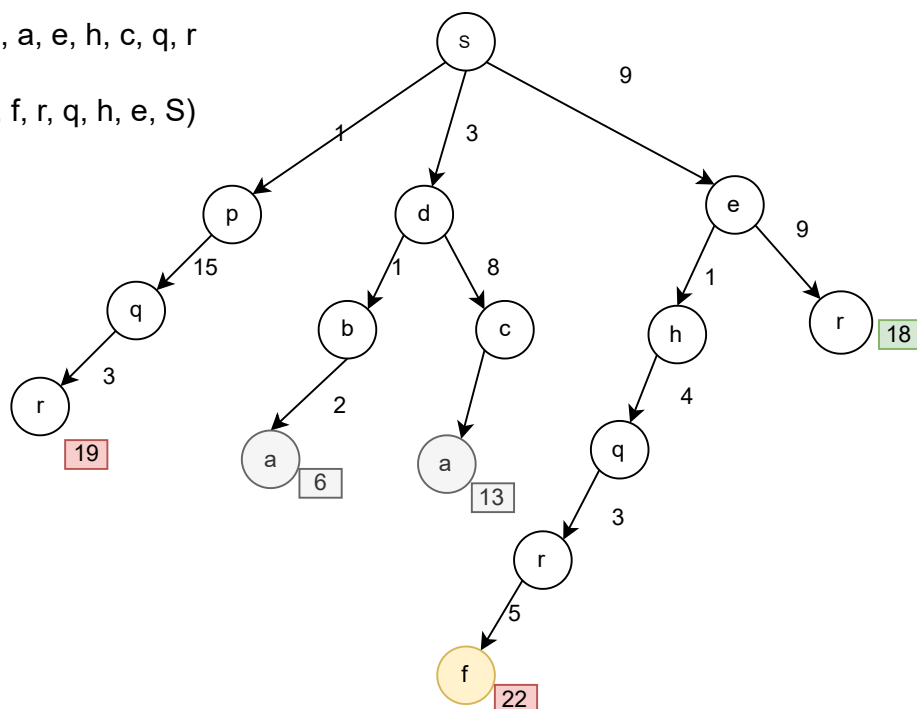
12 repeating step Visited : S, p, d, b, a, e, h, c, q, r

Q : (17, r, q, h, e, S), (18, r, e, S), (19, r, q, p, S)



13 repeating step Visited : S, p, d, b, a, e, h, c, q, r

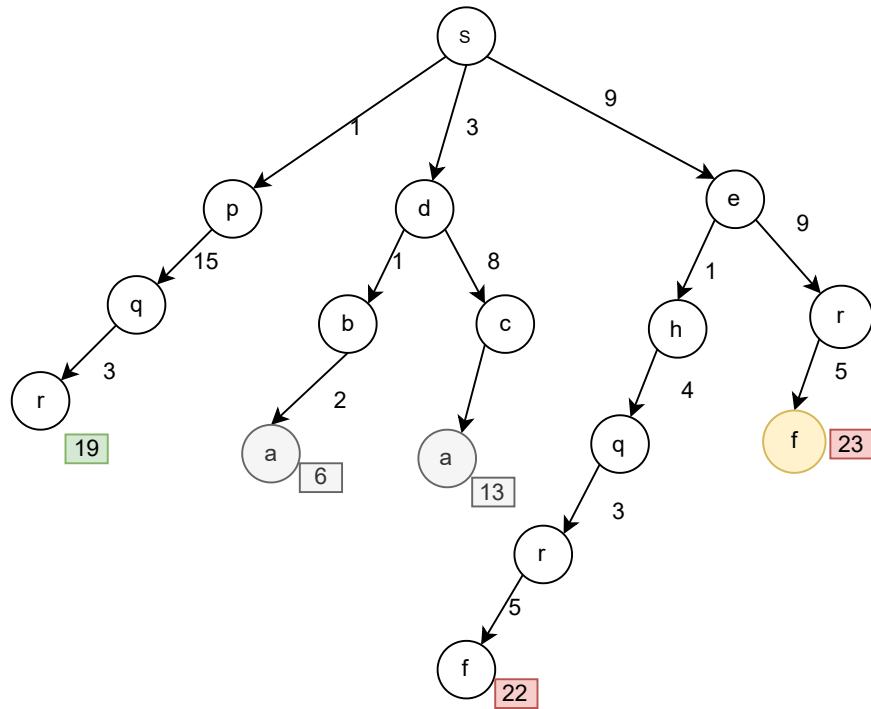
Q : (18, r, e, S), (19, r, q, p, S), (22, f, r, q, h, e, S)



14 repeating step

Visited : S, p, d, b, a, e, h, c, q, r, f

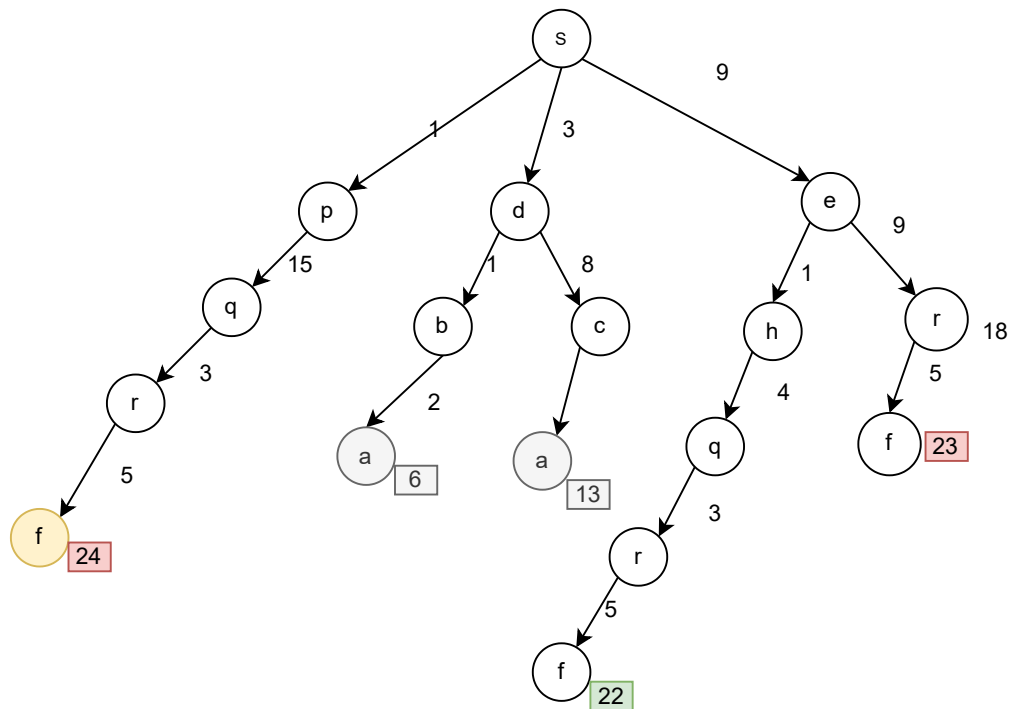
Q : (19, r, q, p, S), (22, f, r, q, h, e, S), (23, f, r, e, S)



15 repeating step

Visited : S, p, d, b, a, e, h, c, q, r, f

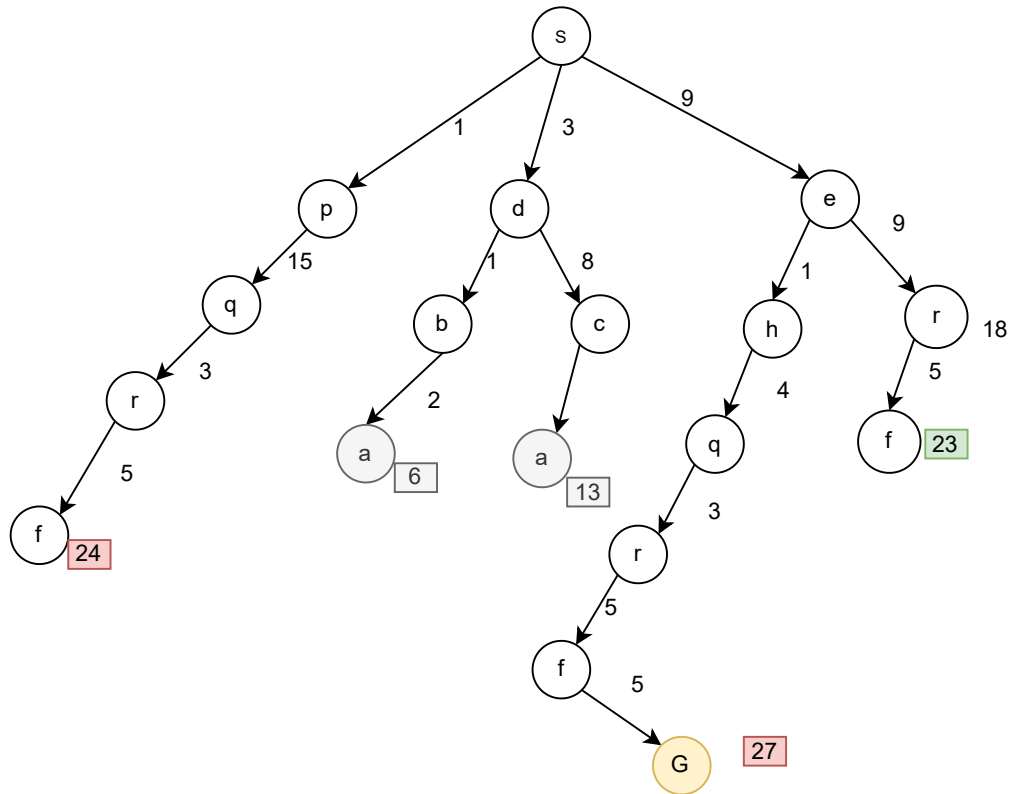
Q : (22, f, r, q, h, e, S), (23, f, r, e, S), (24, f, r, q, p, S)



16 repeating step

Visited : S, p, d, b, a, e, h, c, q, r, f

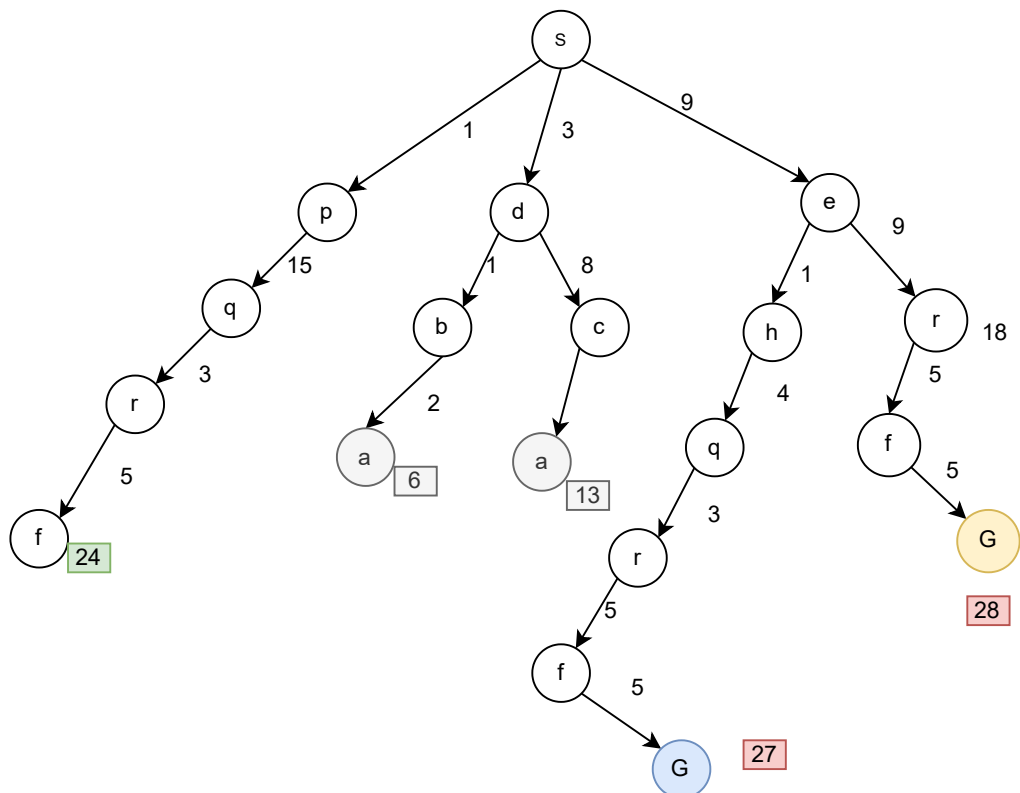
Q : (23, f, r, e, S), (24, f, r, q, p, S), (27, G, f, r, q, h, e, S)



17 repeating step

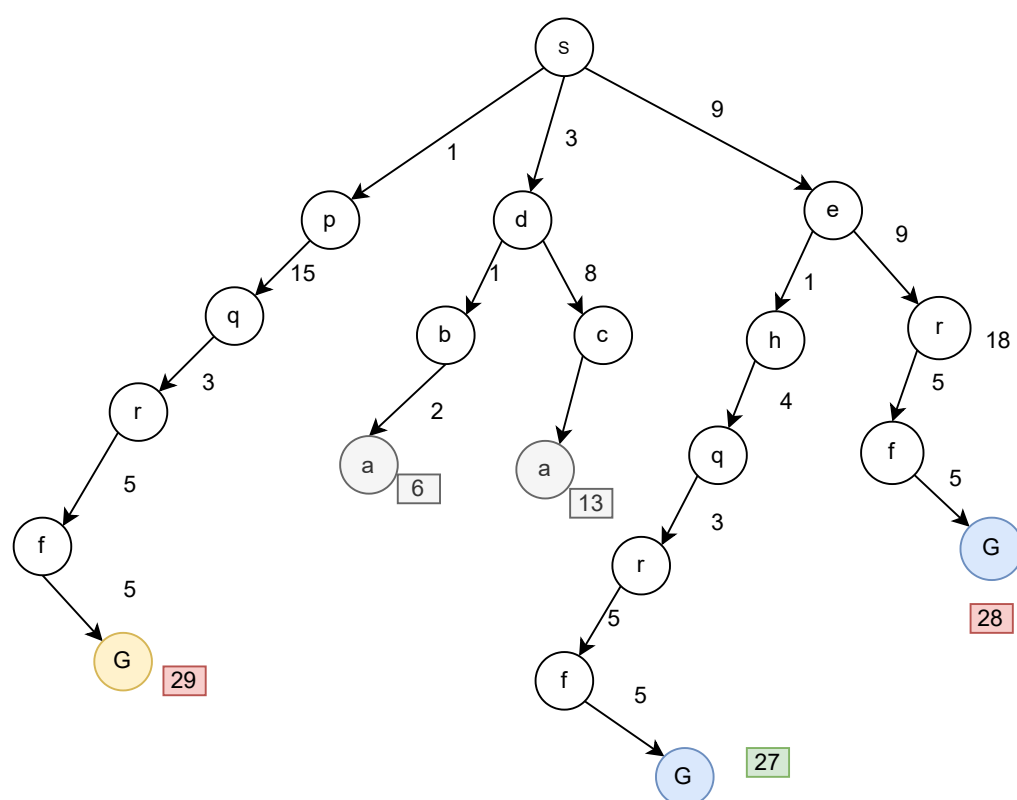
Visited : S, p, d, b, a, e, h, c, q, r, f

Q : (24, f, r, q, p, S), (27, G, f, r, q, h, e, S), (28, G, f, r, e, S)

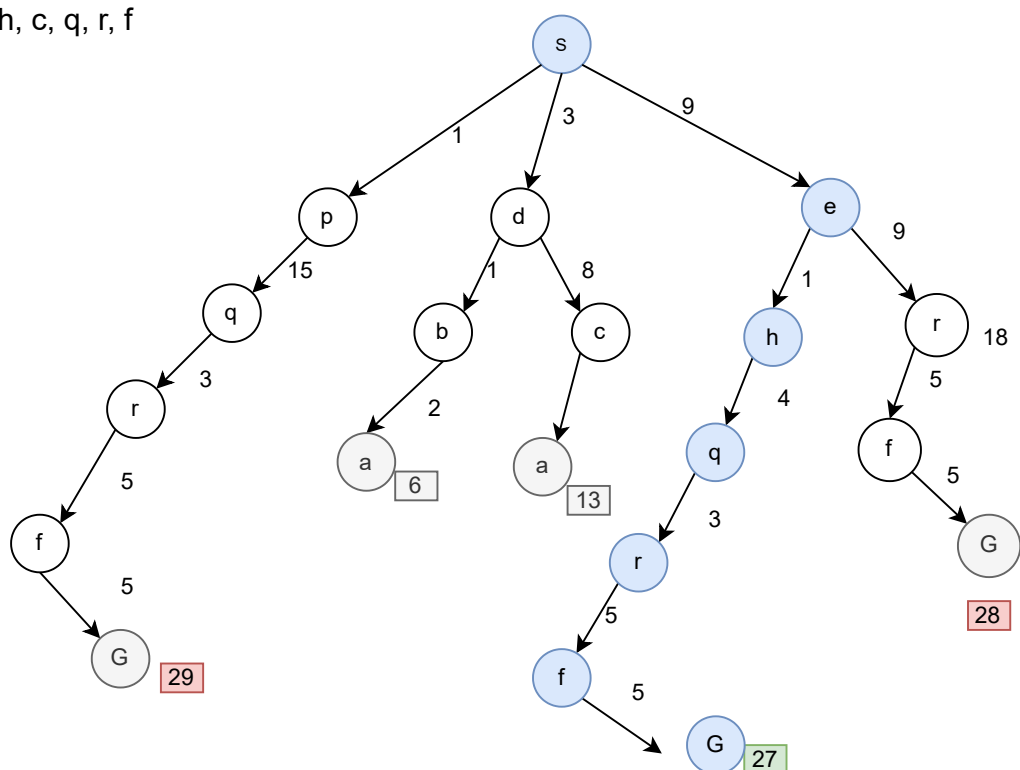


18 repeating step Visited : S, p, d, b, a, e, h, c, q, r, f

Q : (27, G, f, r, q, h, e, S), (28, G, f, r, e, S), (29, G, f, r, q, p, S)



Visited : S, p, d, b, a, e, h, c, q, r, f



(27, G, f, r, q, h, e, S)

	Q	visited
1	(0, S)	S
2	(1, p, S), (3, d, S), (9, e, S)	S
3	(3, d, S), (9, e, S), (16, q, p, S)	S, p
4	(4, b, d, S), (9, e, S), (11, c, d, S), (16, q, p, S)	S, p, d
5	(6, a, b, d, S), (9, e, S), (11, c, d, S), (16, q, p, S)	S, p, d, b, a
6	(9, e, S), (11, c, d, S), (16, q, p, S)	S, p, d, b, a, e
7	(10, h, e, S), (11, c, d, S), (16, q, p, S), (18, r, e, S)	S, p, d, b, a, e, h
8	(11, c, d, S), (14, q, h, e, S), (16, q, p, S), (18, r, e, S)	S, p, d, b, a, e, h, c
9	(13, a, c, d, S), (14, q, h, e, S), (16, q, p, S), (18, r, e, S)	S, p, d, b, a, e, h, c, q
10	(14, q, h, e, S), (16, q, p, S), (18, r, e, S)	S, p, d, b, a, e, h, c, q
11	(16, q, p, S), (17, r, q, h, e, S), (18, r, e, S)	S, p, d, b, a, e, h, c, q, r
12	(17, r, q, h, e, S), (18, r, e, S), (19, r, q, p, S)	S, p, d, b, a, e, h, c, q, r
13	(18, r, e, S), (19, r, q, p, S), (22, f, r, q, h, e, S)	S, p, d, b, a, e, h, c, q, r
14	(19, r, q, p, S), (22, f, r, q, h, e, S), (23, f, r, e, S)	S, p, d, b, a, e, h, c, q, r, f
15	(22, f, r, q, h, e, S), (23, f, r, e, S), (24, f, r, q, p, S)	S, p, d, b, a, e, h, c, q, r, f
16	(23, f, r, e, S), (24, f, r, q, p, S), (27, G, f, r, q, h, e, S)	S, p, d, b, a, e, h, c, q, r, f
17	(24, f, r, q, p, S), (27, G, f, r, q, h, e, S), (28, G, f, r, e, S)	S, p, d, b, a, e, h, c, q, r, f
18	(27, G, f, r, q, h, e, S), (28, G, f, r, e, S), (29, G, f, r, q, p, S)	S, p, d, b, a, e, h, c, q, r, f
	(27, GOAL, f, r, q, h, e, S)	