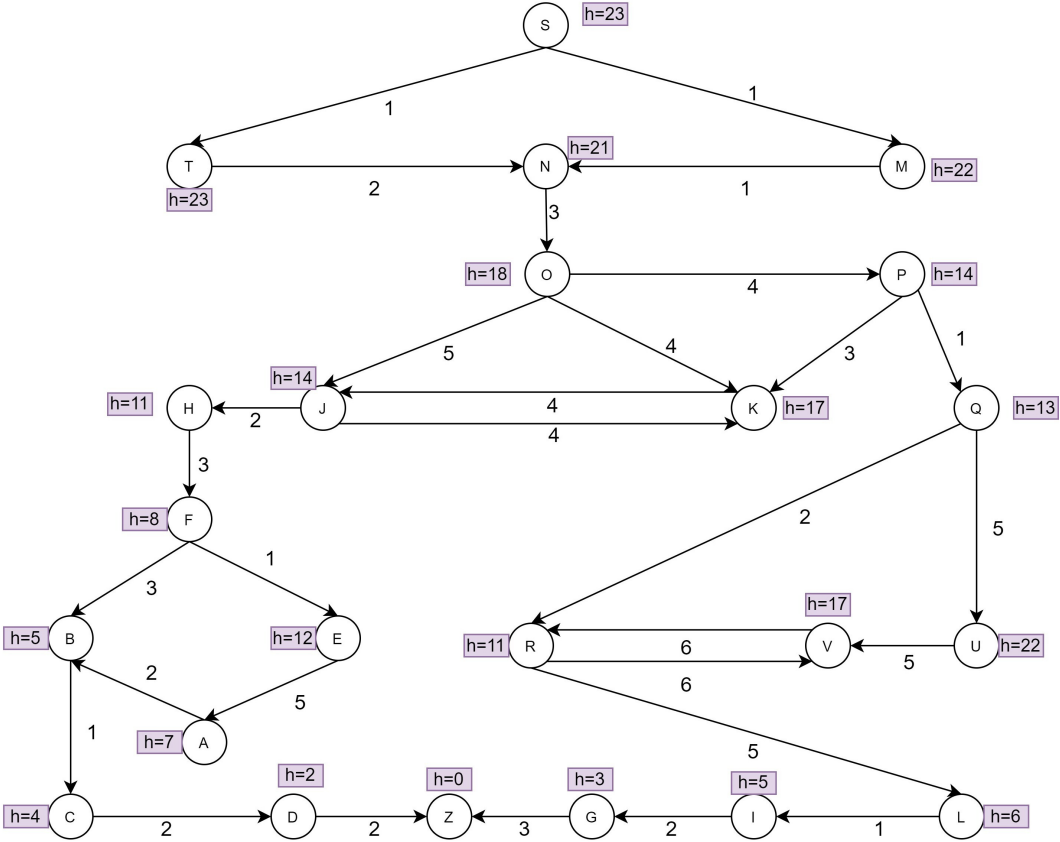


node visited
node expanded
node dead

huristic
actual cost

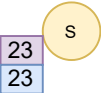
S = START
G = GOAL



1 initial step

Visited :

Q : (23, S)

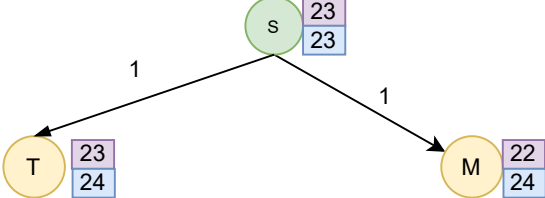


A* search

2 repeating step

Visited : S

Q : (24, T, S), (24, M, S)

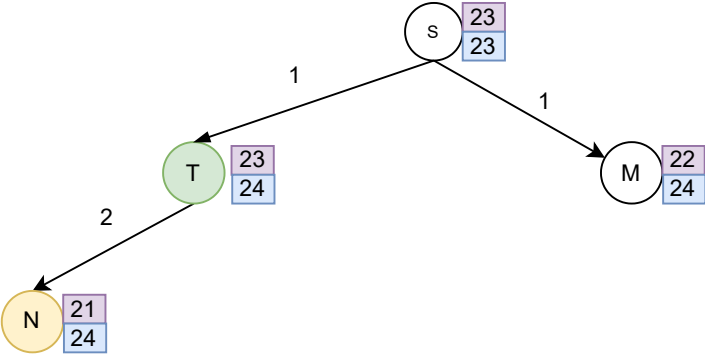


A* search

3 repeating step

Visited : S, T

Q : (24, M, S), (24, N, T, S)

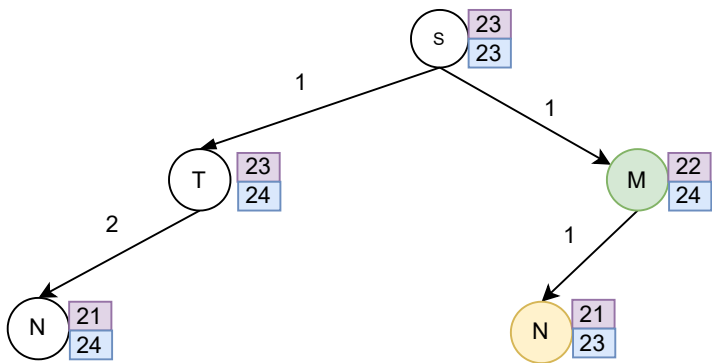


A* search

4 repeating step

Visited : S, T, M

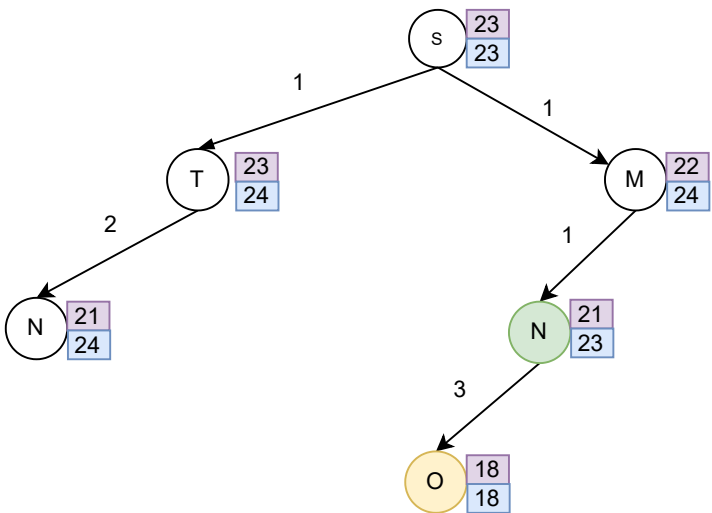
Q : (23, N, M, S), (24, N, T, S)



5 repeating step

Visited : S, T, M, N

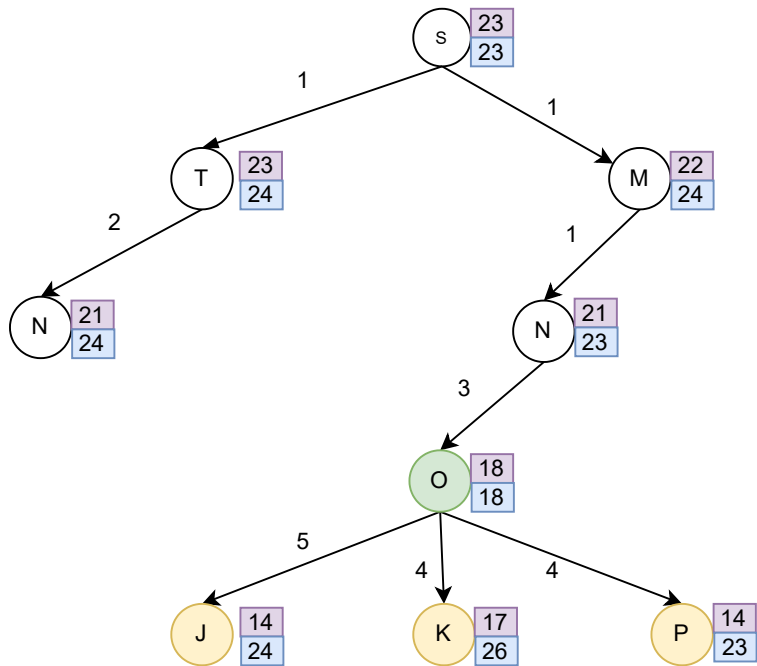
Q : (18, O, N, M, S), (24, N, T, S)



6 repeating step

Visited : S, T, M, N, O

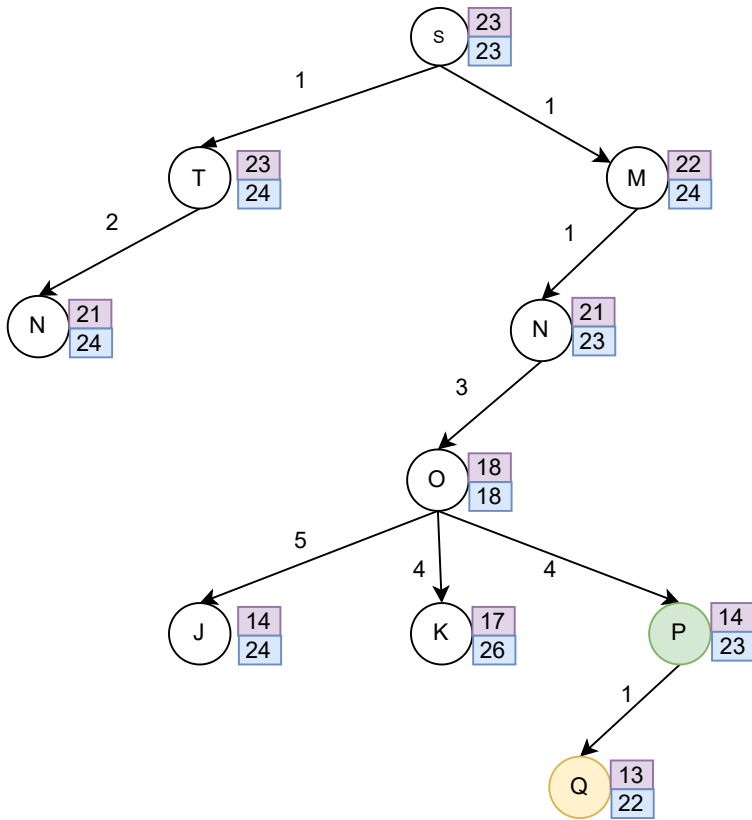
Q : (23, P, O, N, M, S), (24, N, T, S), (24, J, O, N, M, S), (26, K, O, N, M, S)



7 repeating step

Visited : S, T, M, N, O, P

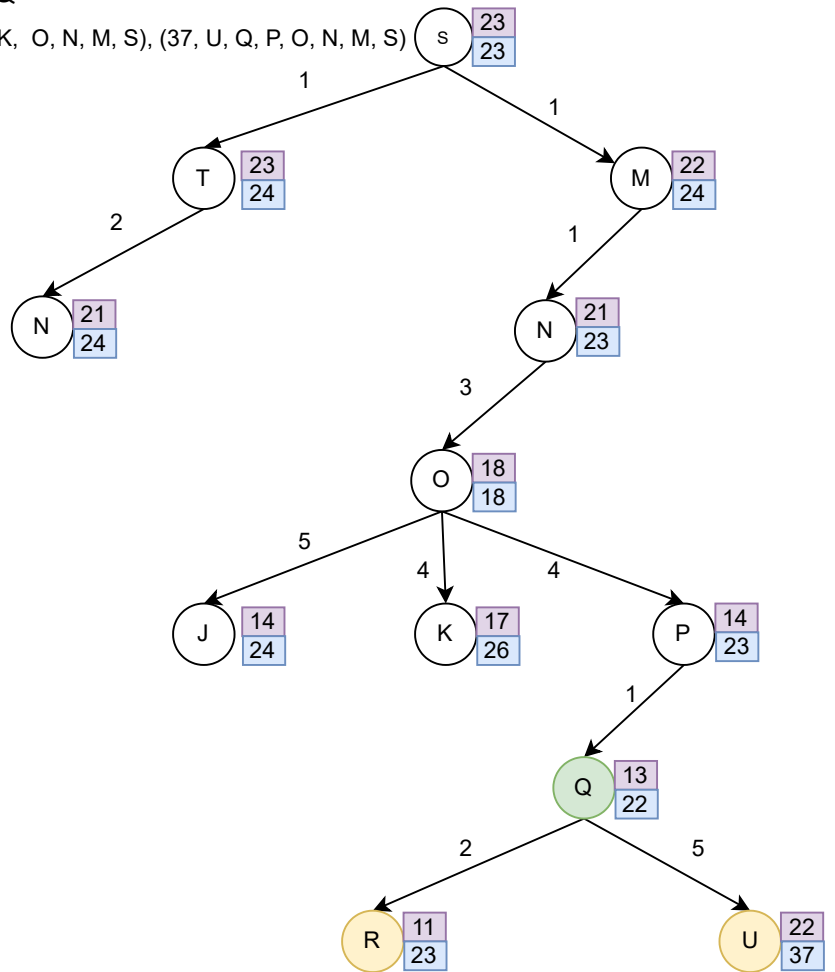
Q : (22, Q, P, O, N, M, S), (24, N, T, S), (24, J, O, N, M, S), (26, K, O, N, M, S)



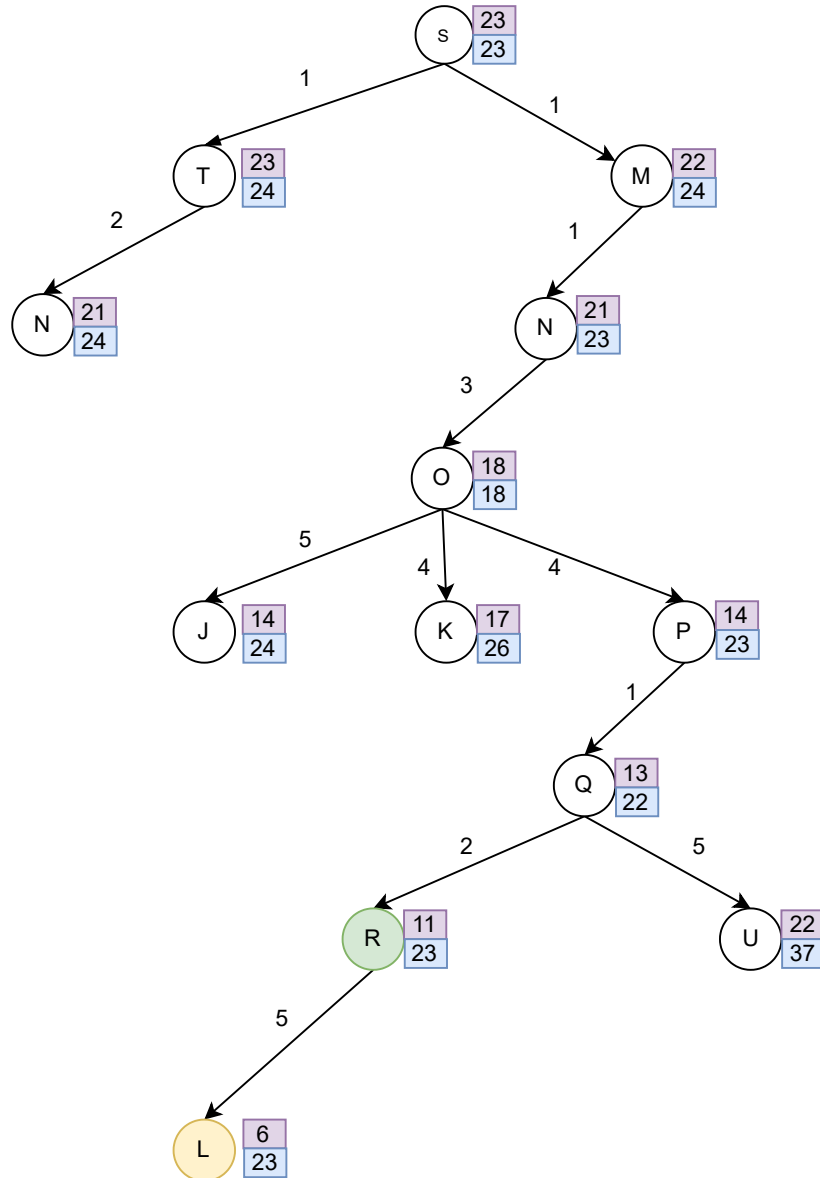
8 repeating step

Visited : S, T, M, N, O, P, Q

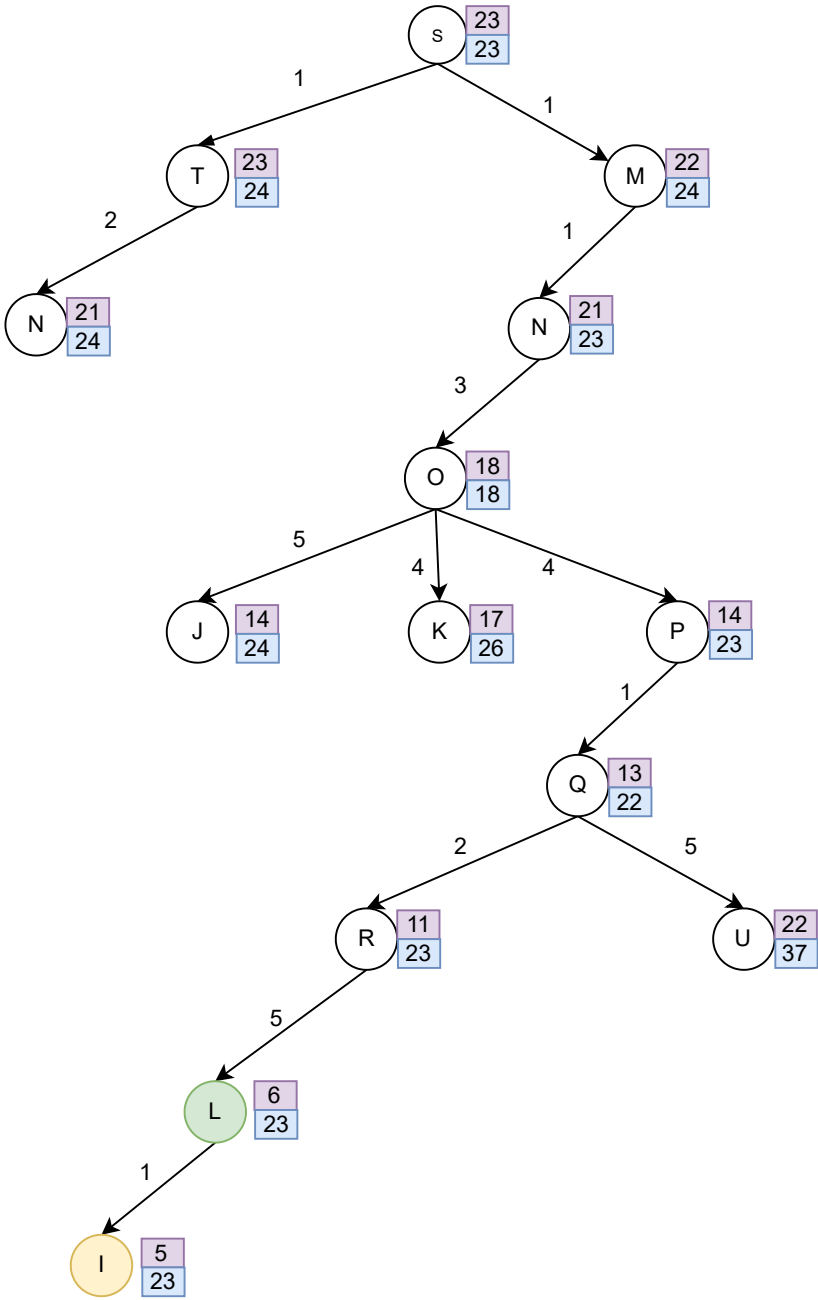
Q : (23, R, Q, P, O, N, M, S), (24, N, T, S), (24, J, O, N, M, S), (26, K, O, N, M, S), (37, U, Q, P, O, N, M, S)



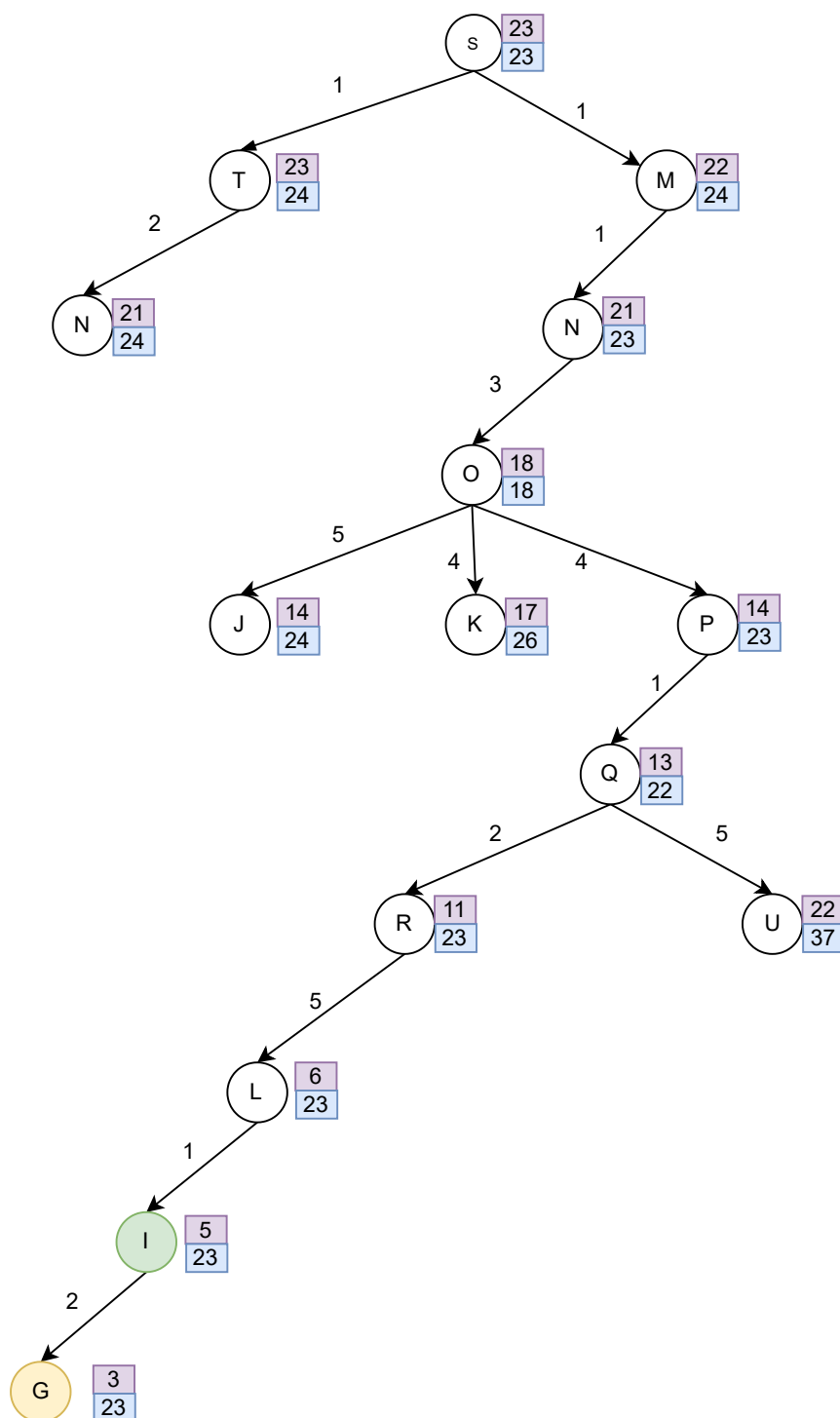
Q : (23, L, R, Q, P, O, N, M, S), (24, N, T, S), (24, J, O, N, M, S), (26, K, O, N, M, S), (37, U, Q, P, O, N, M, S)



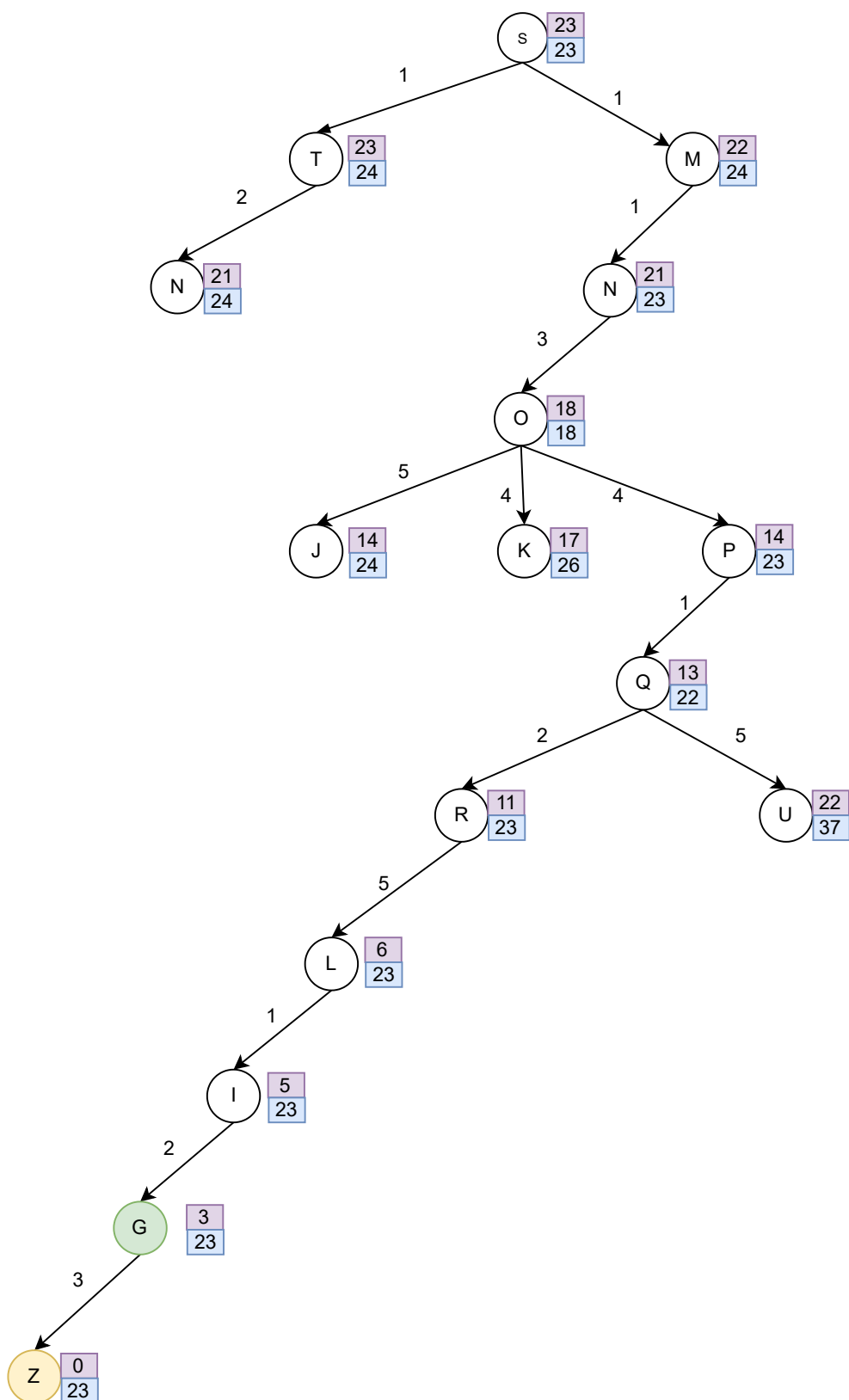
Q : (23, I, L, R, Q, P, O, N, M, S), (24, N, T, S), (24, J, O, N, M, S), (26, K, O, N, M, S), (37, U, Q, P, O, N, M, S)



Q : (23, G, I, L, R, Q, P, O, N, M, S), (24, N, T, S), (24, J, O, N, M, S), (26, K, O, N, M, S), (37, U, Q, P, O, N, M, S)



Q : (23, Z, G, I, L, R, Q, P, O, N, M, S), (24, N, T, S), (24, J, O, N, M, S), (26, K, O, N, M, S), (37, U, Q, P, O, N, M, S)



	Q	V
1	(23, S)	
2	(24, T, S), (24, M, S)	S
3	(24, N, T, S), (24, M, S)	S, T
4	(23, N, M, S), (24, N, T, S)	S, T, M
5	(18, O, N, M, S), (24, N, T, S)	S, T, M, N
6	(23, P, O, N, M, S), (24, N, T, S), (24, J, O, N, M, S), (26, K, O, N, M, S)	S, T, M, N, O
7	(22, Q, P, O, N, M, S), (24, N, T, S), (24, J, O, N, M, S), (26, K, O, N, M, S)	S, T, M, N, O, P
8	(23, R, Q, P, O, N, M, S), (24, N, T, S), (24, J, O, N, M, S), (26, K, O, N, M, S), (37, U, Q, P, O, N, M, S)	S, T, M, N, O, P, Q
9	(23, L, R, Q, P, O, N, M, S), (24, N, T, S), (24, J, O, N, M, S), (26, K, O, N, M, S), (37, U, Q, P, O, N, M, S)	S, T, M, N, O, P, Q, R
10	(23, I, L, R, Q, P, O, N, M, S), (24, N, T, S), (24, J, O, N, M, S), (26, K, O, N, M, S), (37, U, Q, P, O, N, M, S)	S, T, M, N, O, P, Q, R, L
11	(23, G, I, L, R, Q, P, O, N, M, S), (24, N, T, S), (24, J, O, N, M, S), (26, K, O, N, M, S), (37, U, Q, P, O, N, M, S)	S, T, M, N, O, P, Q, R, L, I
12	(23, Z, G, I, L, R, Q, P, O, N, M, S), (24, N, T, S), (24, J, O, N, M, S), (26, K, O, N, M, S), (37, U, Q, P, O, N, M, S)	S, T, M, N, O, P, Q, R, L, I, G
	(23, Z, G, I, L, R, Q, P, O, N, M, S)	S, T, M, N, O, P, Q, R, L, I, G