

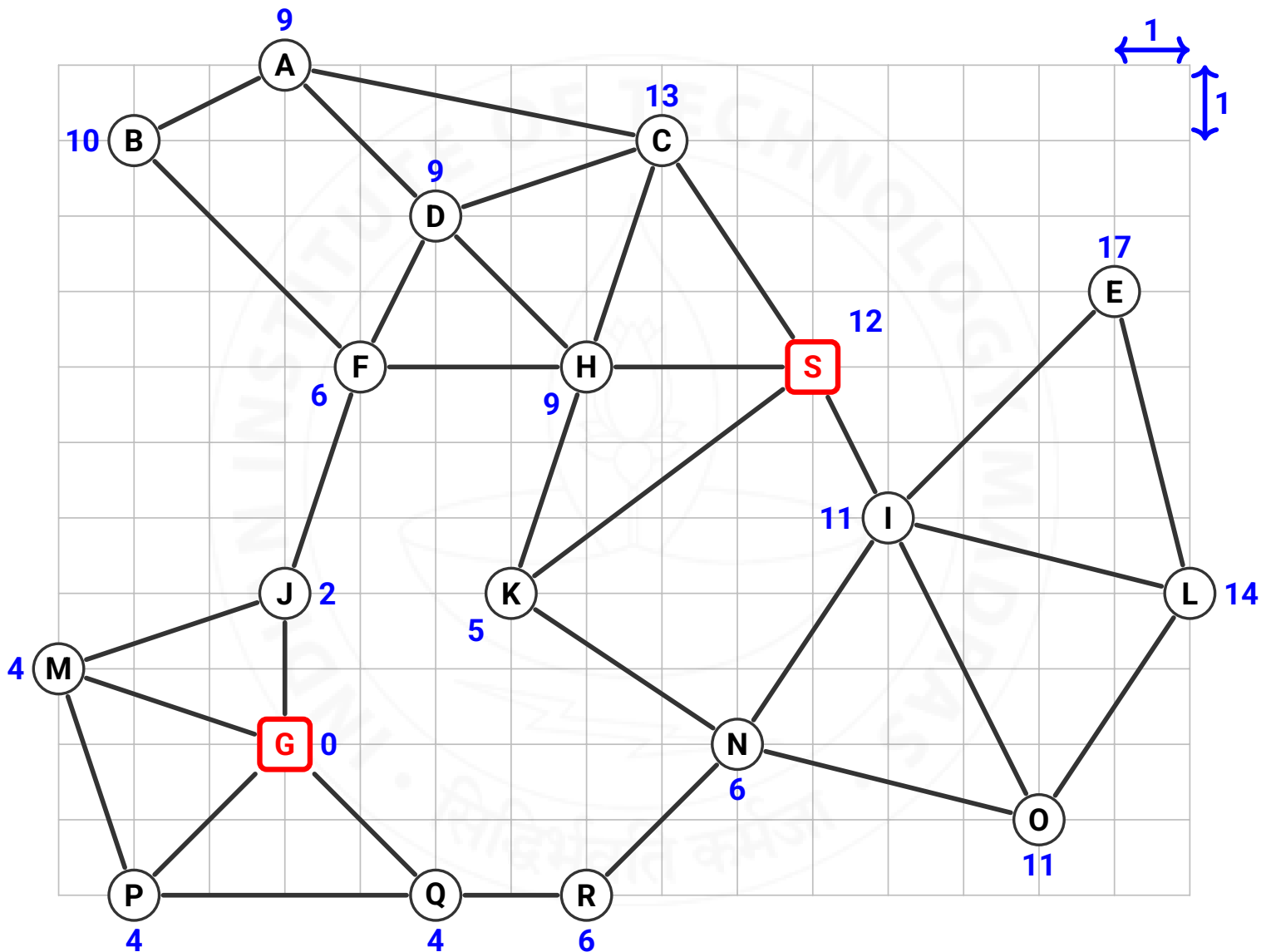
Practice Assignment: City Map Example

Hill Climbing

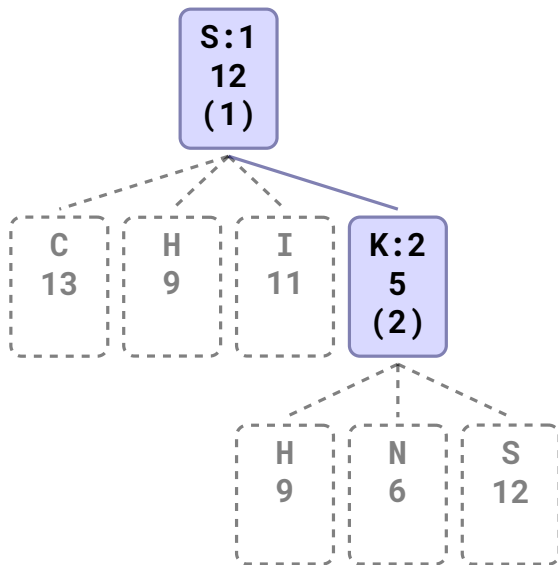
Prepared by S. Baskaran

State Space

MoveGen returns nodes in ALPHABETICAL ORDER.



Search Tree



Solution

Triples: (NODE, PARENT, H-VALUE)

1.

NODE	S
close	(S, null, 12)
moveGen	C:H:I:K:[]
children	(C, S, 13):(H, S, 9):(I, S, 11):(K, S, 5):[]

2.

NODE	K
close	(K, S, 5)
moveGen	H:N:S:[]
children	(H, K, 9):(N, K, 6):(S, K, 12):[]

PATH	[]
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