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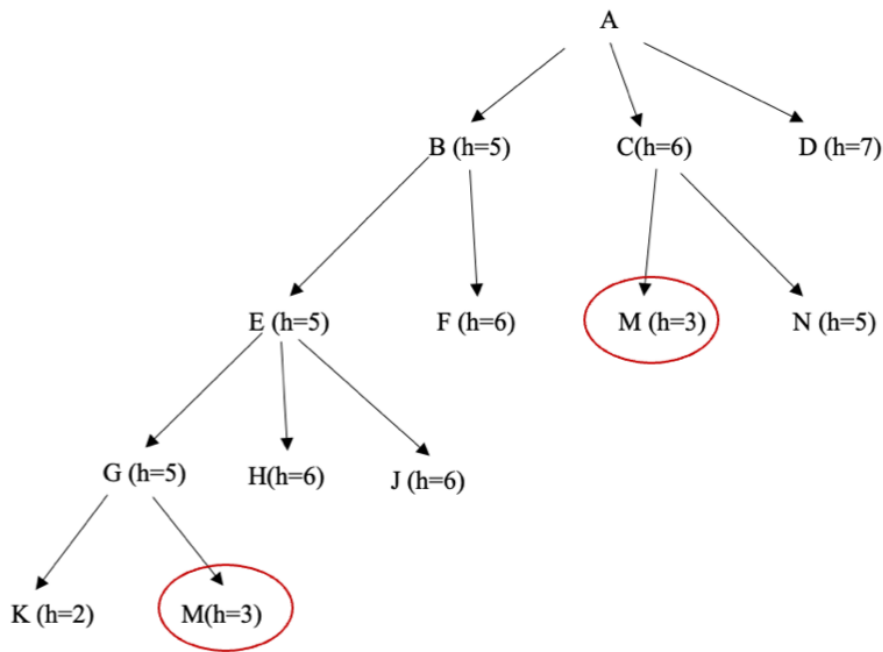


Fig. 2.1 The Game Tree

i) greedy BF

open

A

B5 C6 D7

E5 F6 C6 D7

G5 H6 J6 F6 C6 D7

K2 M3 H6 J6 F6 C6 D7

M3

↑ Goal

closed

[ ]

A

B5 A

E5 B5 A

G5 E5 B5 A

K2 ~

qii) No, the shortest path is  $A \rightarrow C \rightarrow M$

but greedy BF search the  $A \rightarrow B \rightarrow E \rightarrow G \rightarrow M$

qiii)

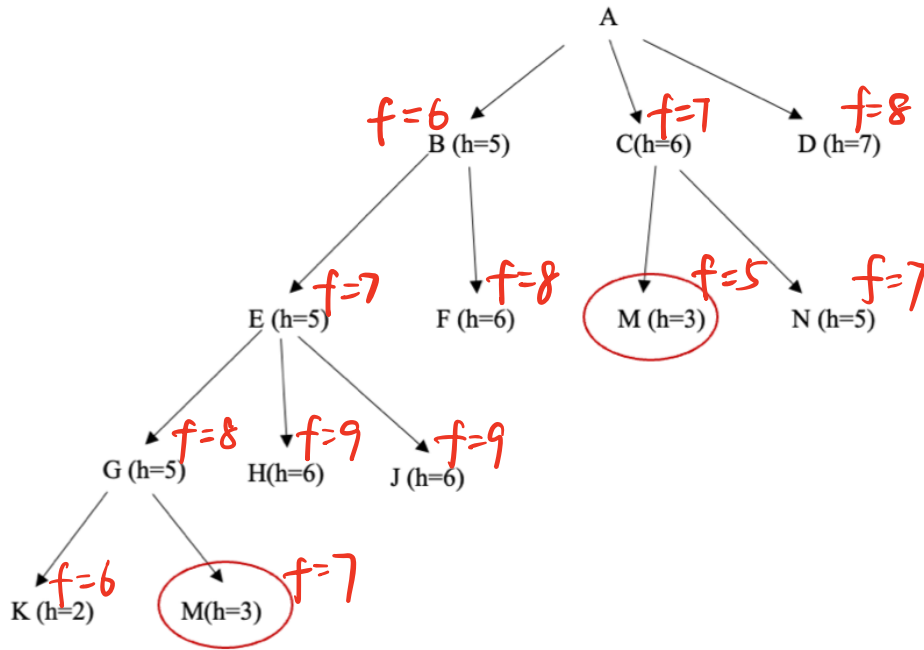


Fig. 2.1 The Game Tree

ci) Best-first

open

A

B6 C7 D8

E7 C7 F8 D8

C7 F8 D8 G8 H9 J9

M5 N7 ~

↑ Goal

closed

[ ]

A

B6 A

E7 B6 A

C7 E7 B6 A

Best-first finds a better solution compared to ci)

②

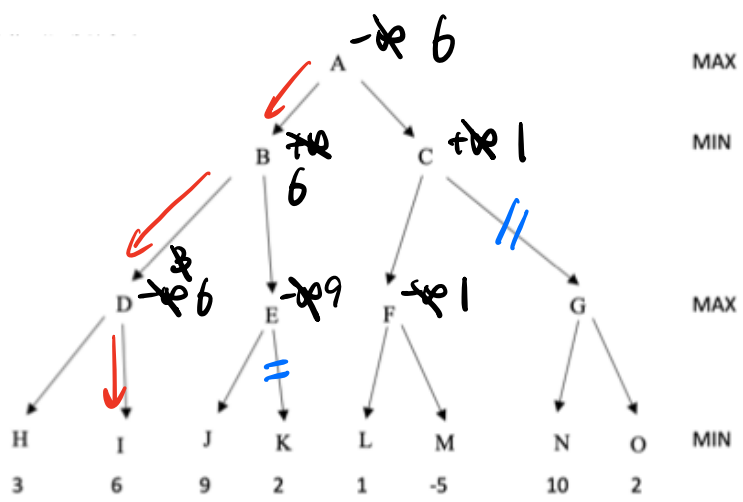


Fig. 2.2 The game tree

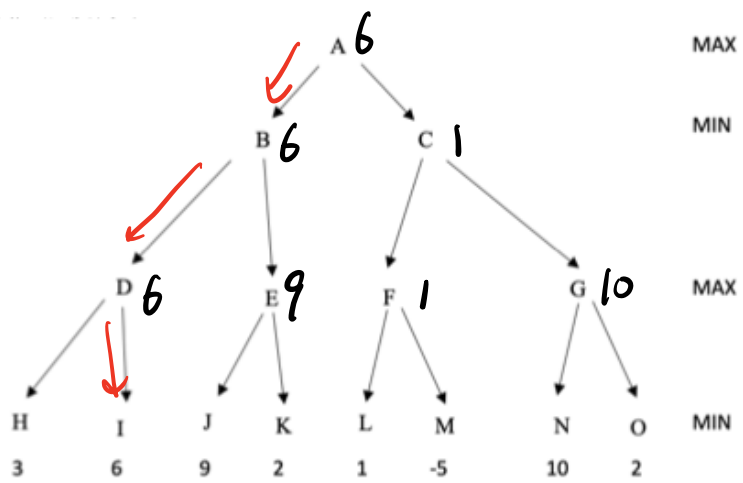


Fig. 2.2 The game tree

③

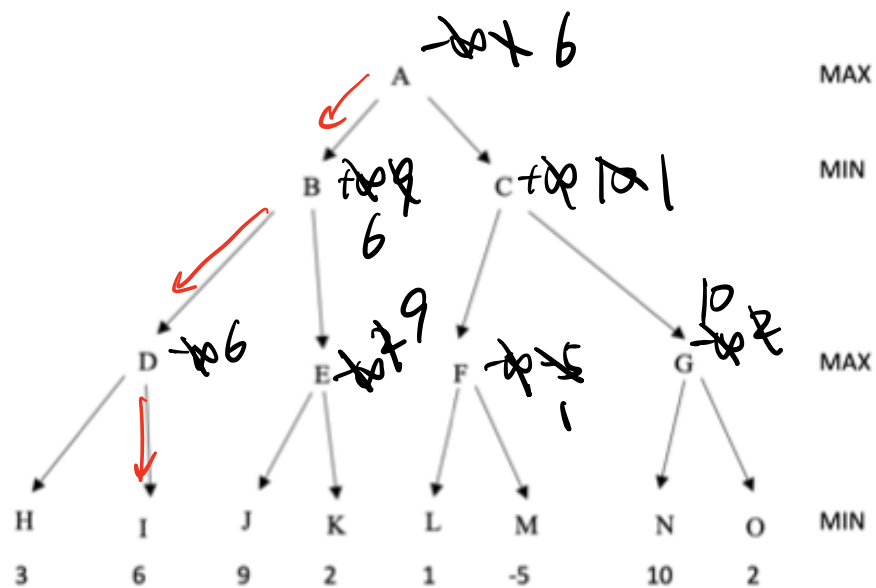


Fig. 2.2 The game tree

left to right 在 ② 中写了, 此只写 right to left