Example of A*

A (4,0)
4

OPEN: (A_4)
CLOSED: ()

Example of A*

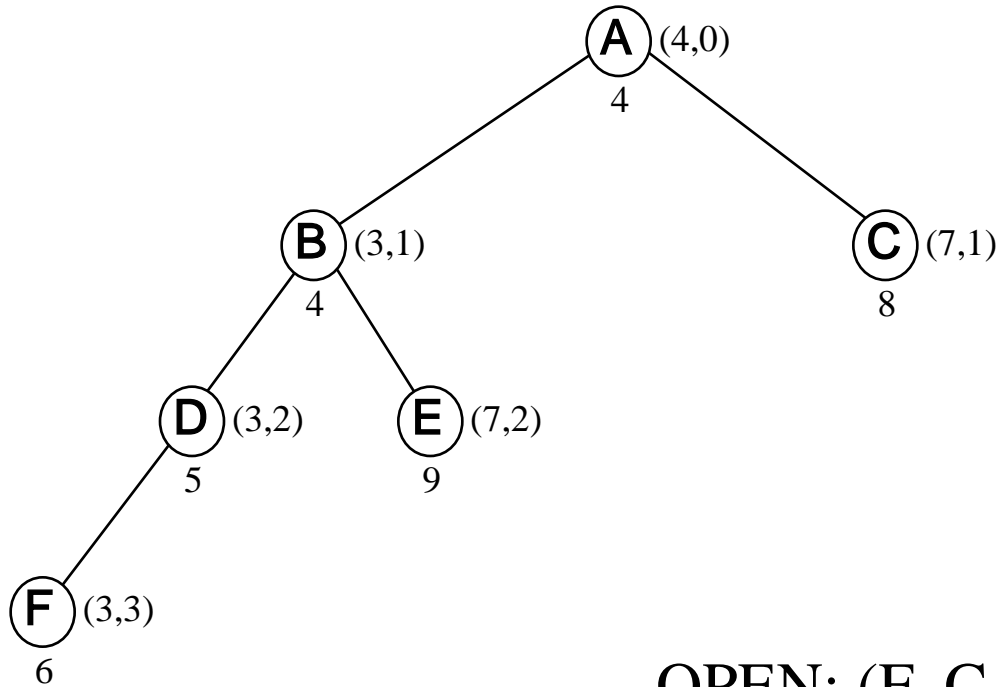A (4,0)
4

B (3,1)
4

C (7,1)
8
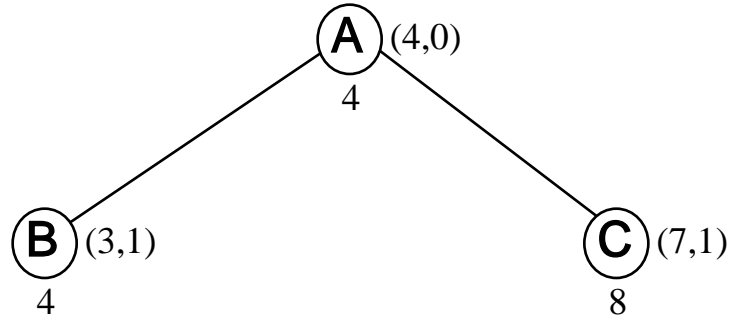
OPEN: $(B_4\ C_8)$
CLOSED: (A)

Example of A*

A (4,0)
4

B (3,1)
4

C (7,1)
8

D (3,2)
5

E (7,2)
9
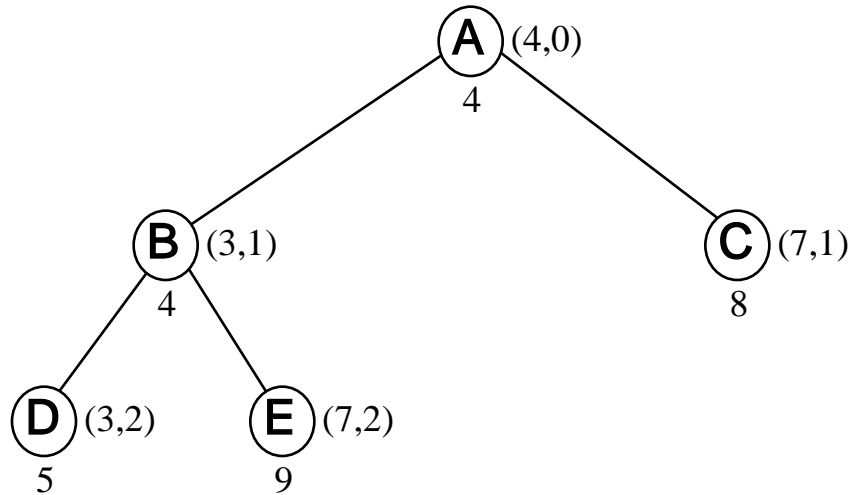
OPEN: (D_5 C_8 E_9)
CLOSED: (A B)

Example of A*


```
         A (4,0)
         4
        /        \
   B (3,1)        C (7,1)
   4                8
  /      \
D (3,2)   E (7,2)
5            9
|
F (3,3)
6
```

OPEN: (F_6 C_8 E_9)
CLOSED: (A B D)

Example of A*

A (4,0)
4

B (3,1)
4

C (7,1)
8

D (3,2)
5

E (7,2)
9

F (3,3)
6

G (5,4)
9

H (3,4)
7

OPEN: $(H_7\ C_8\ E_9\ G_9)$
CLOSED: (A B D F)

Example of A*

A (4,0)
4

B (3,1)
4

C (7,1)
8

D (3,2)
5

E (7,2)
9

F (3,3)
6

G (5,4)
9

H (3,4)
7

G (5,5)
10

I (2,5)
7

J (4,5)
9
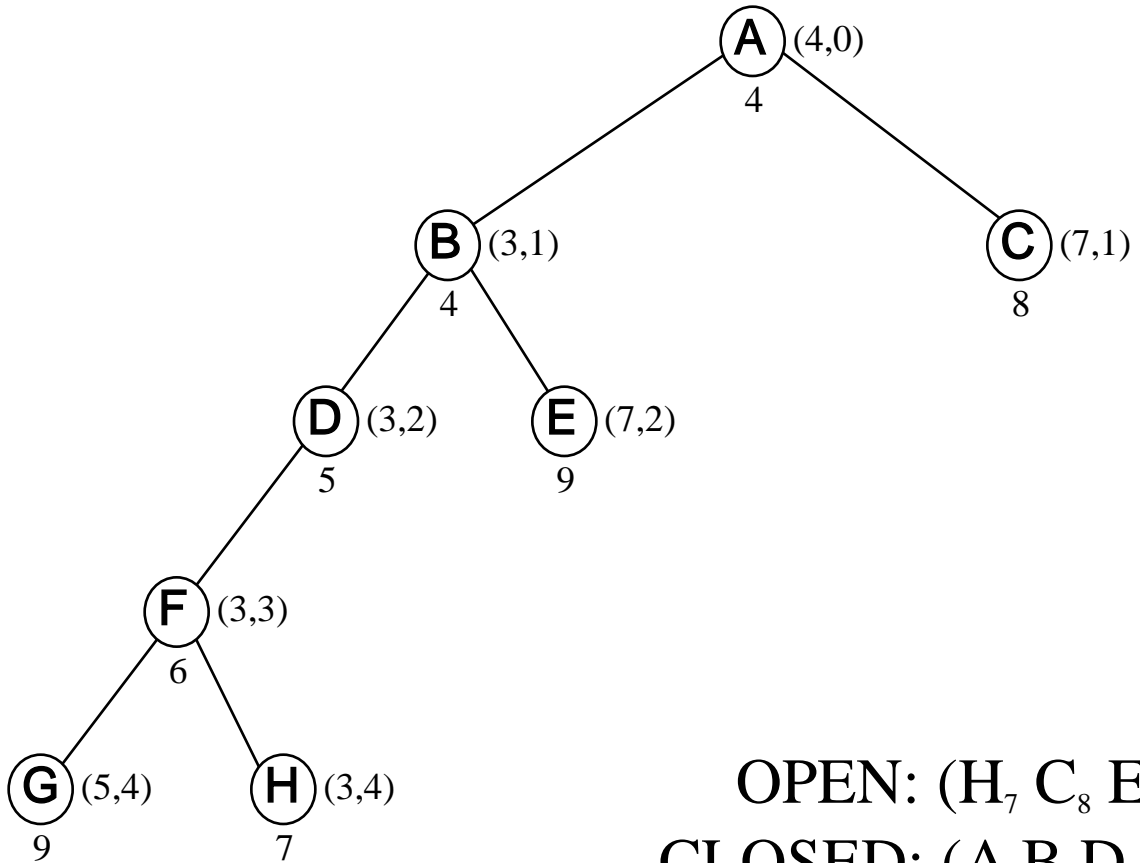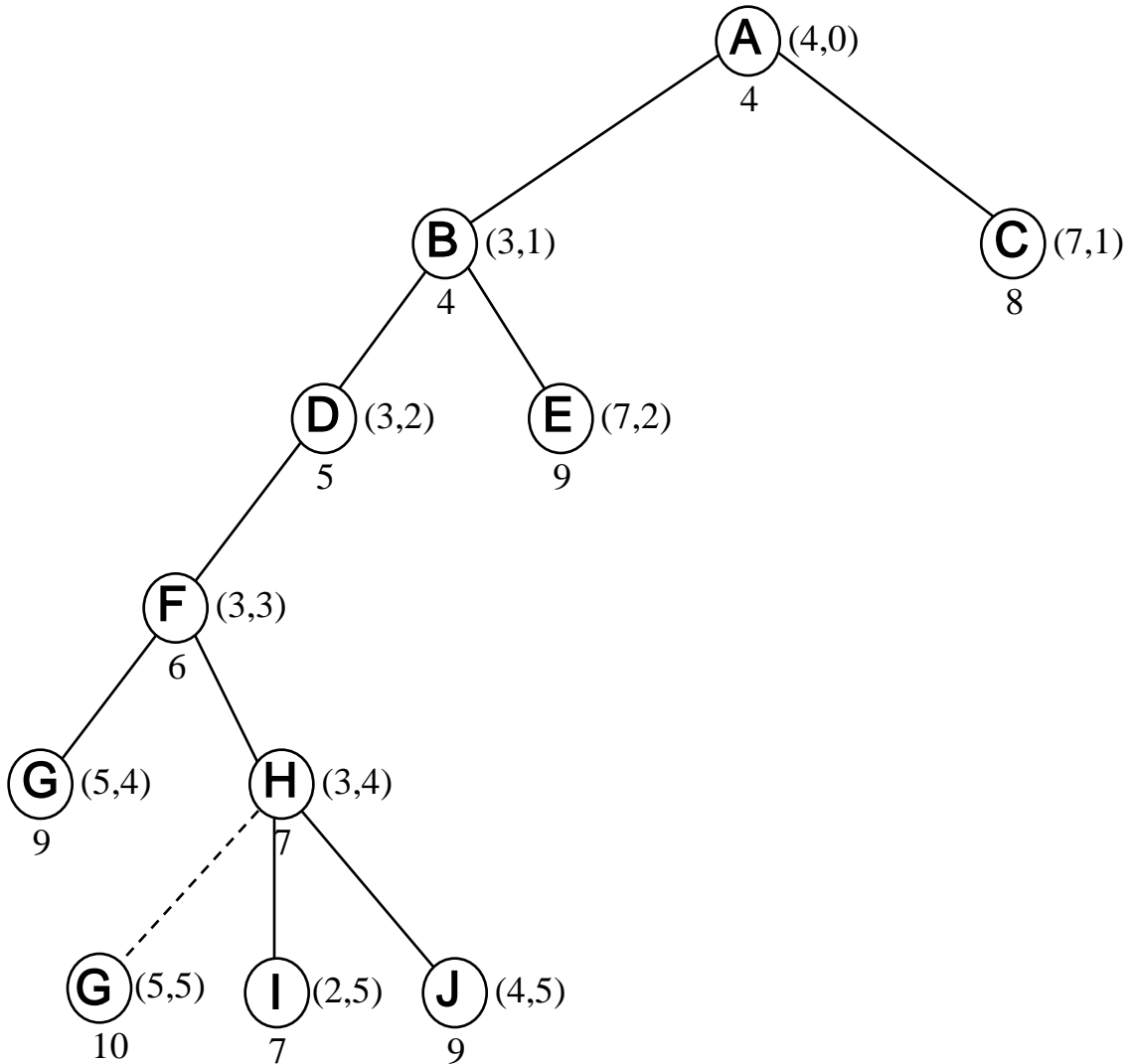
OPEN: $(I_7 \ C_8 \ E_9 \ G_9 \ J_9 \ L_{10} \ K_{11})$

CLOSED: $(A \ B \ D \ F \ H)$

Example of A*

A (4,0)
4

B (3,1)
4

C (7,1)
8

D (3,2)
5

E (7,2)
9

F (3,3)
6

G (5,4)
9

H (3,4)
7

G (5,5)
10

I (2,5)
7

J (4,5)
9

K (5,6)
11

L (4,6)
10

OPEN: $(C_8 \ E_9 \ G_9 \ J_9 \ L_{10} \ K_{11})$

CLOSED: (A B D F H I)

Example of A*

A (4,0)
4

B (3,1)   C (7,1)
4   8

D (3,2)   E (7,2)   B (3,2)   M (8,2)   H (3,2)
5   9   5   10   5

F (3,3)
6

G (5,4)   H (3,4)
9   7

G (5,5)   I (2,5)   J (4,5)
10   7   9

K (5,6)   L (4,6)

C already removed from OPEN
B, M, and H not yet added
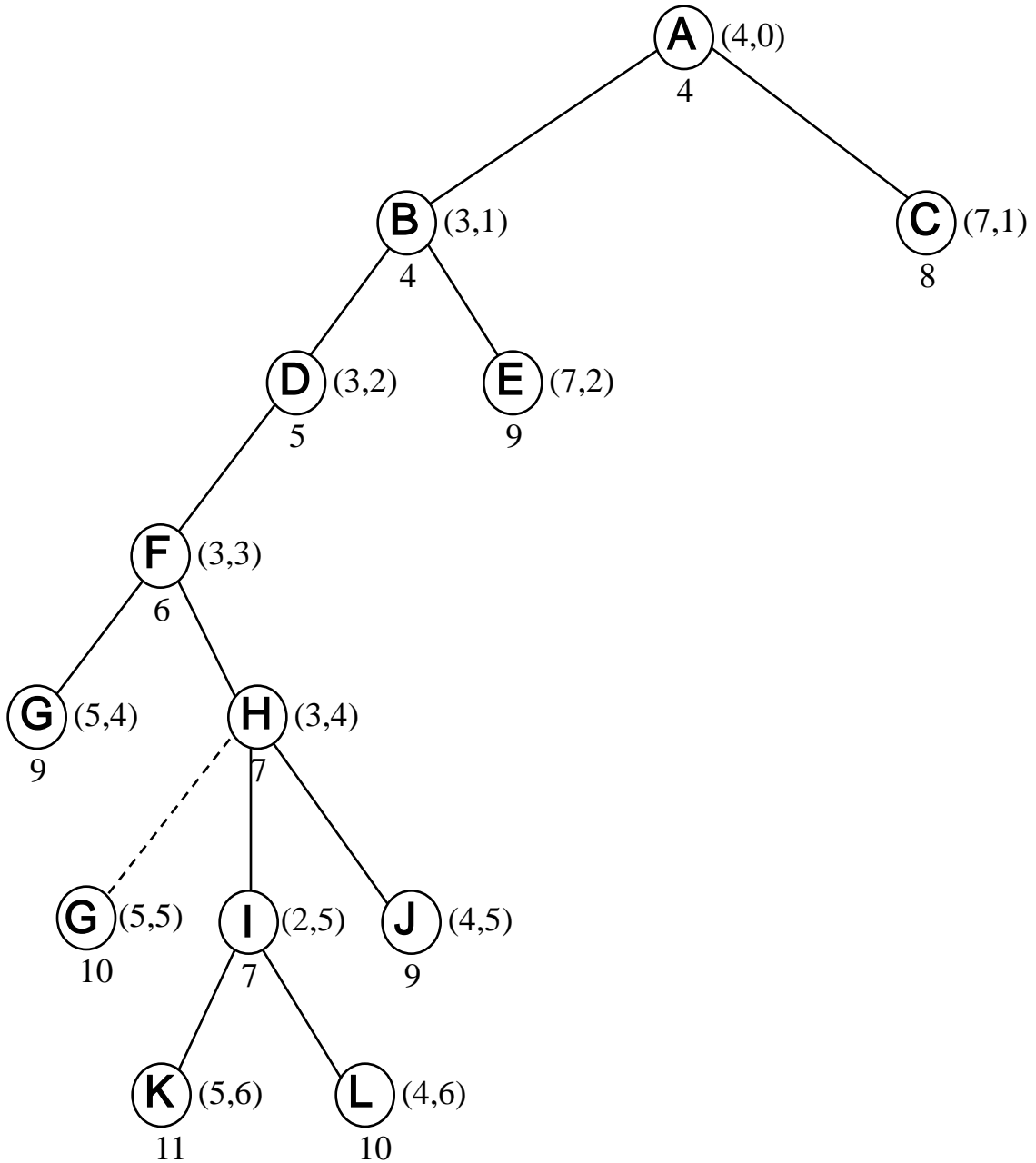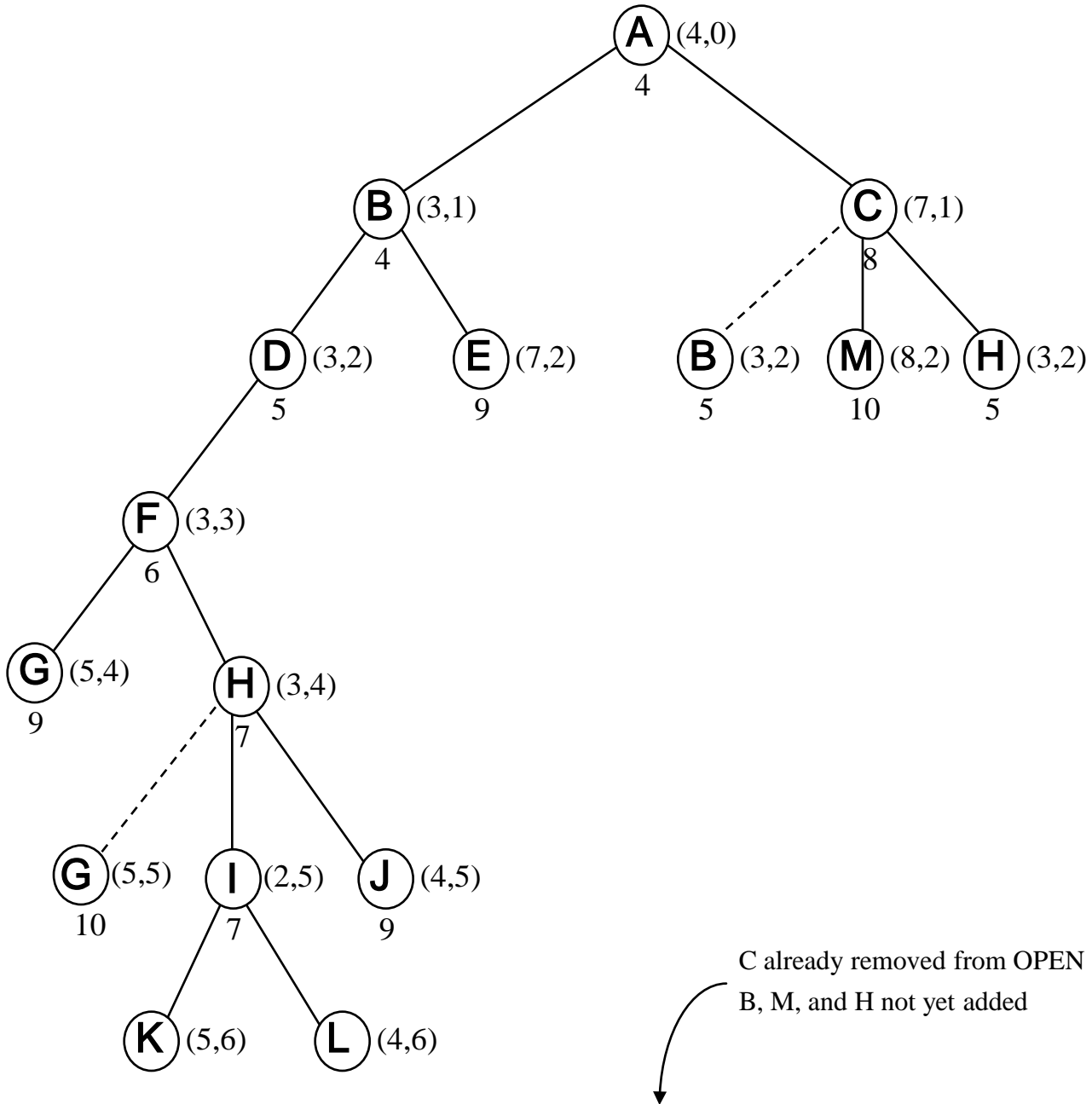
OPEN: $(E_9 \; G_9 \; J_9 \; L_{10} \; K_{11})$
CLOSED: (A B D F H I)

Example of A*
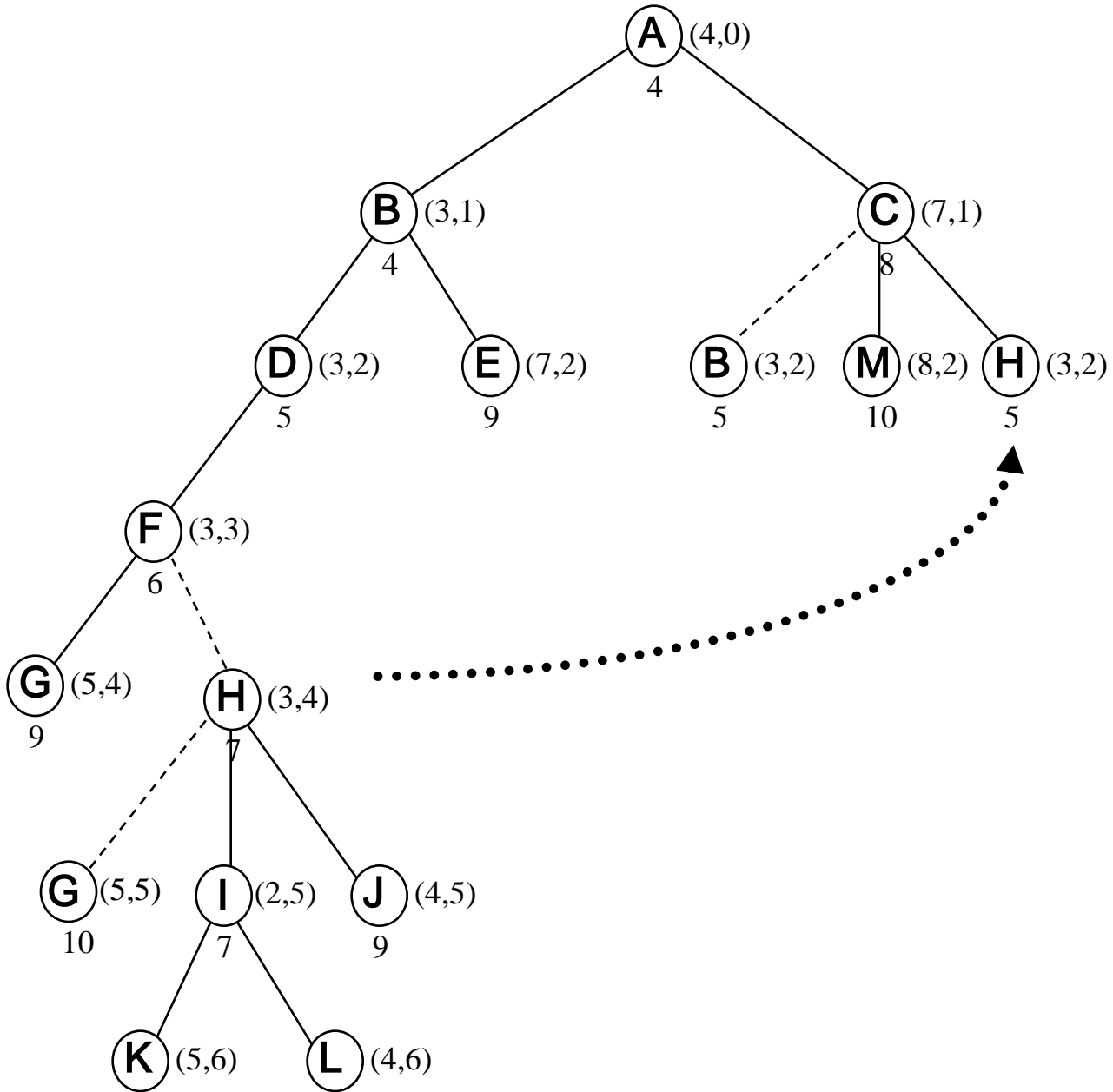
OPEN: (E_9 G_9 J_9 L_{10} M_{10} K_{11})
CLOSED: (A B D F H I)

Example of A*
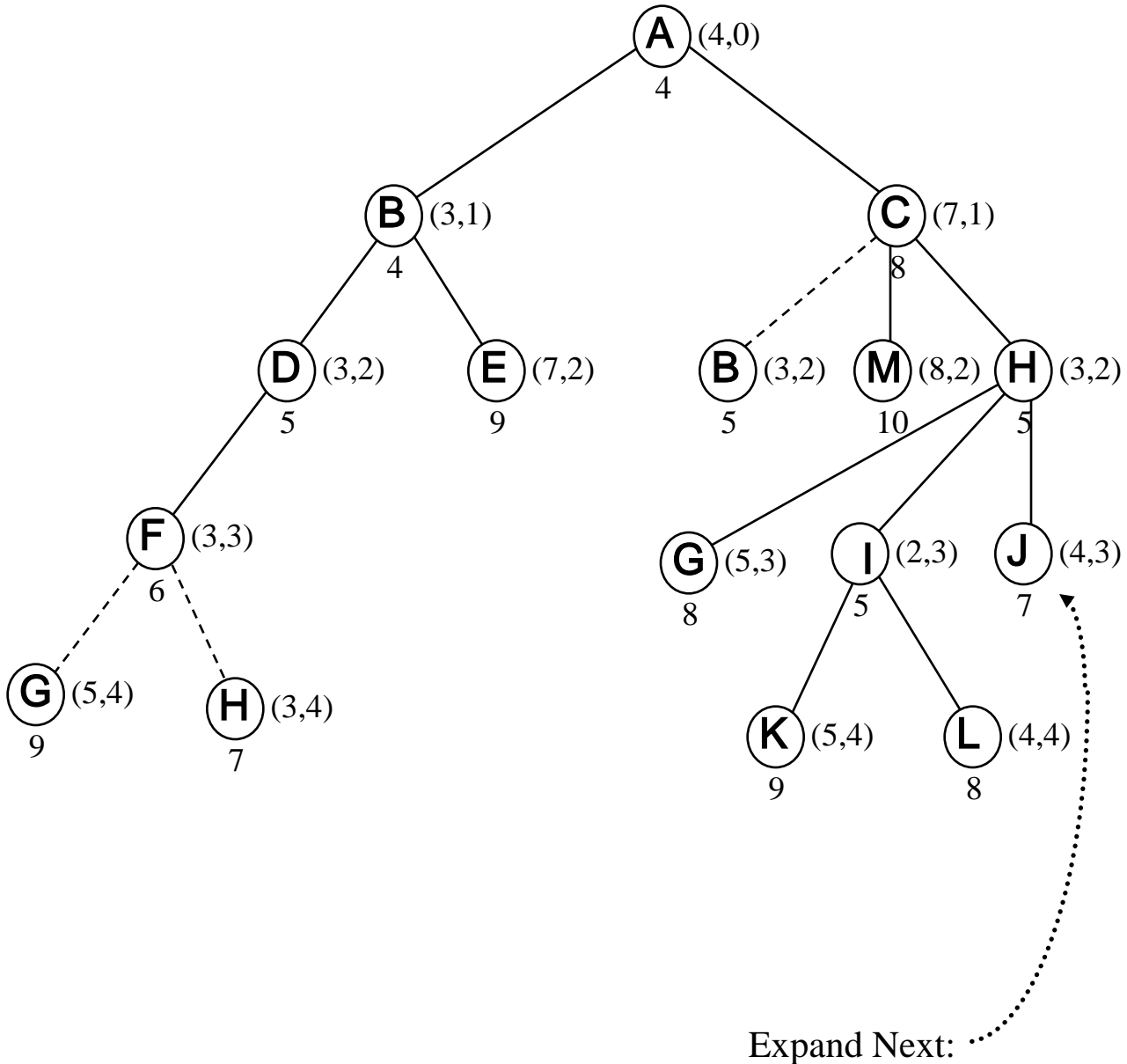
OPEN: $(J_7 \; G_8 \; L_8 \; E_9 \; K_9 \; M_{10})$

CLOSED: (A B D F H I)