

MAX



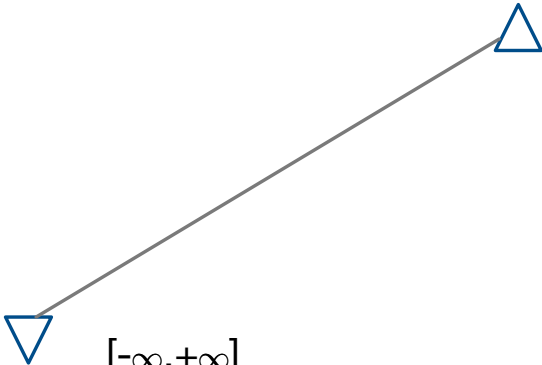
$$[-\infty, +\infty]$$

MAX

$$[-\infty, +\infty]$$

MIN

$$[-\infty, +\infty]$$



MAX

$$[-\infty, +\infty]$$

MIN

$$[-\infty, +\infty]$$

MAX

3

(1)



MAX

$$[-\infty, +\infty]$$

MIN

$$[-\infty, +\infty]$$

$$[-\infty, 3]$$

(1)

MAX



3

(1)

MAX

$$[-\infty, +\infty]$$

MIN

$$[-\infty, +\infty]$$

$$[-\infty, 3] \text{ (1)}$$

MAX



3

(1)



12

(2)

MAX

$$[-\infty, +\infty]$$

MIN

$$[-\infty, +\infty]$$

$$[-\infty, 3] \text{ (1)}$$

$$[-\infty, 3] \text{ (2)}$$

MAX



3

(1)



12

(2)

MAX

$[-\infty, +\infty]$

MIN

$[-\infty, +\infty]$
 $[-\infty, 3]$ (1)
 $[-\infty, 3]$ (2)

MAX



3

12

8

(1)

(2)

(3)

MAX

$[-\infty, +\infty]$

MIN

$[-\infty, +\infty]$
 $[-\infty, 3]$ (1)
 $[-\infty, 3]$ (2)
 $[3, 3]$ (3)

MAX



3
(1)



12
(2)



8
(3)

MAX

$[-\infty, +\infty]$

MIN

3

$[-\infty, +\infty]$

$[-\infty, 3]$ (1)

$[-\infty, 3]$ (2)

$[3, 3]$ (3)

MAX



3

12

8

(1)

(2)

(3)

MAX

$[-\infty, +\infty]$
 $[3, +\infty]$ (3)

MIN

3

$[-\infty, +\infty]$
 $[-\infty, 3]$ (1)
 $[-\infty, 3]$ (2)
 $[3, 3]$ (3)

MAX



3
(1)

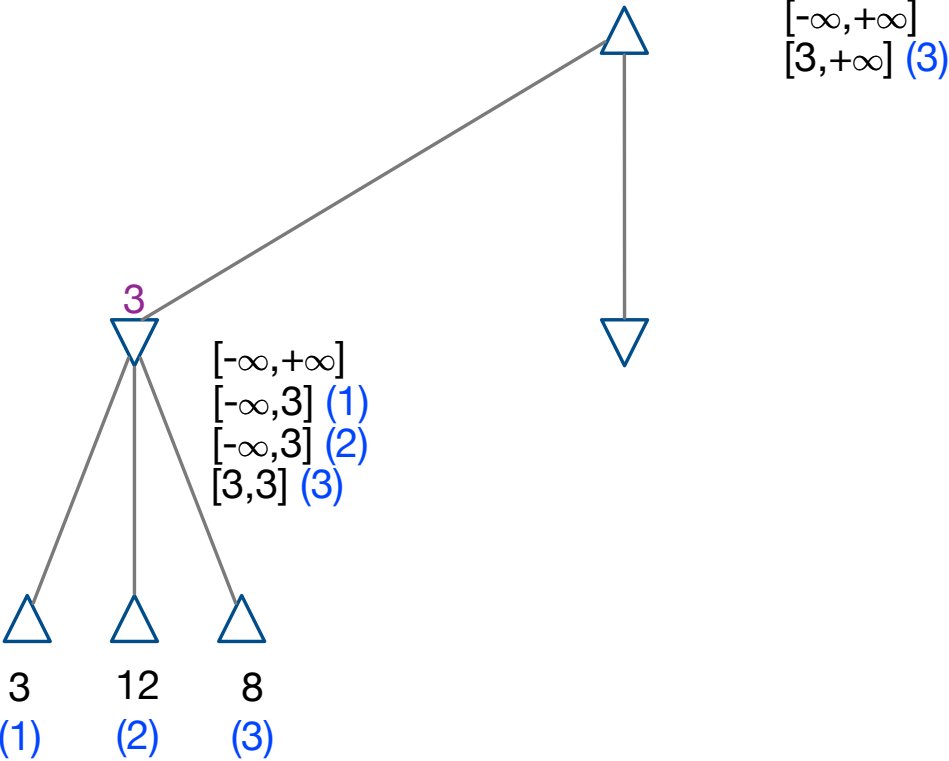
12
(2)

8
(3)

MAX

MIN

MAX

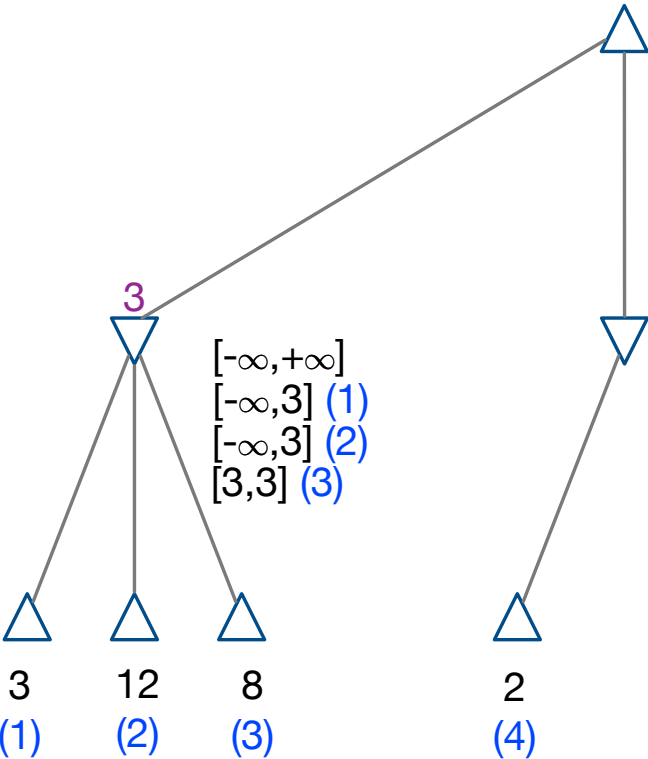


MAX

MIN

MAX

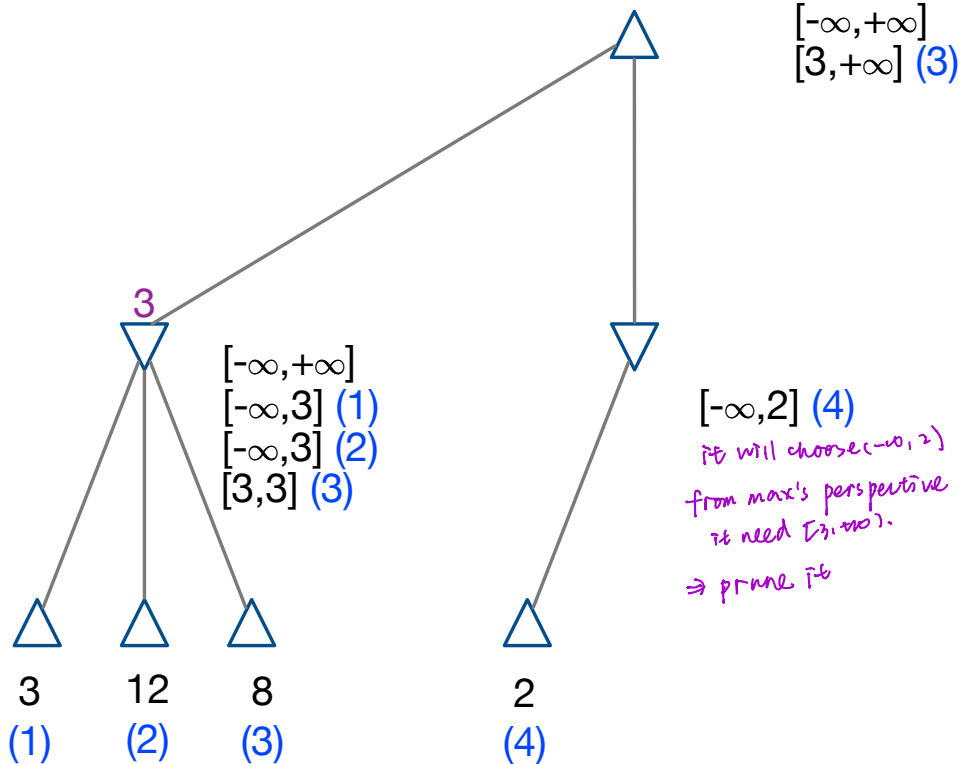
$[-\infty, +\infty]$
 $[3, +\infty]$ (3)



MAX

MIN

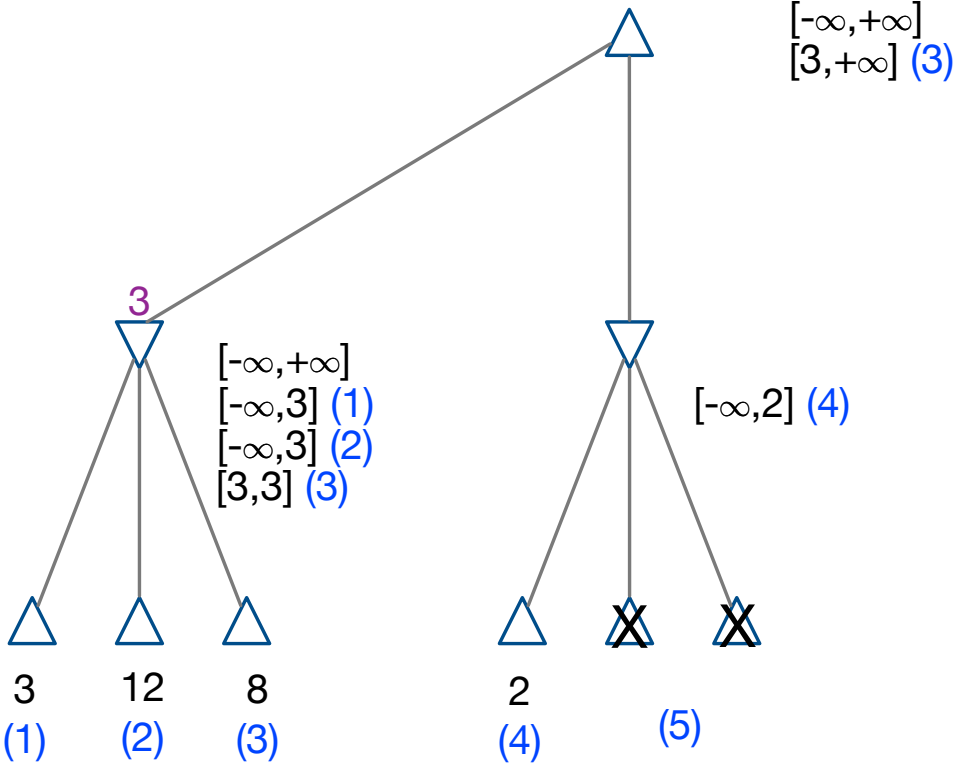
MAX



MAX

MIN

MAX



MAX

MIN

MAX

$[-\infty, +\infty]$
 $[3, +\infty]$ (3)

3
 $[-\infty, +\infty]$
 $[-\infty, 3]$ (1)
 $[-\infty, 3]$ (2)
 $[3, 3]$ (3)

$[-\infty, 2]$ (4)

3
(1)
12
(2)
8
(3)

2
(4)
(5)

pruned 2
subtrees !!

$2 < 3$



best MIN < worst MAX

MAX

MIN

MAX

$[-\infty, +\infty]$
 $[3, +\infty]$ (3)

3

2

$[-\infty, +\infty]$
 $[-\infty, 3]$ (1)
 $[-\infty, 3]$ (2)
 $[3, 3]$ (3)

$[-\infty, 2]$ (4)



3
(1)

12
(2)

8
(3)

2
(4)

(5)

pruned 2
subtrees !!

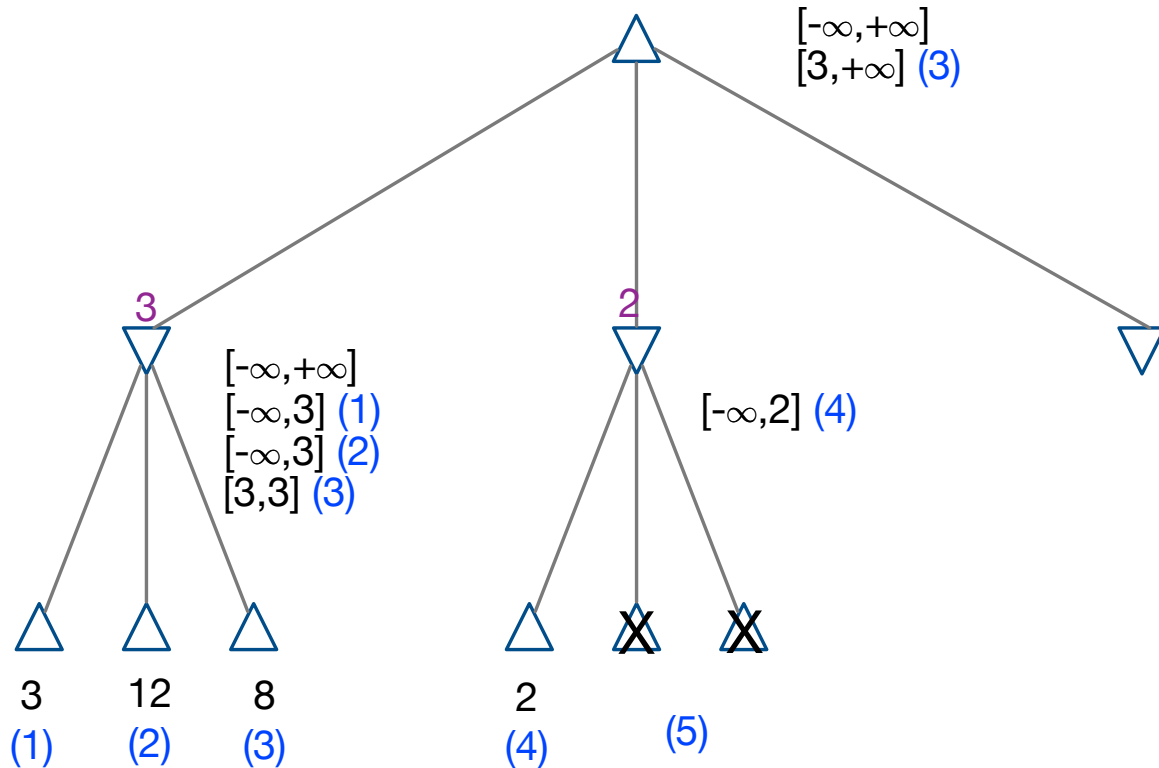
$2 < 3$

best MIN < worst MAX

MAX

MIN

MAX

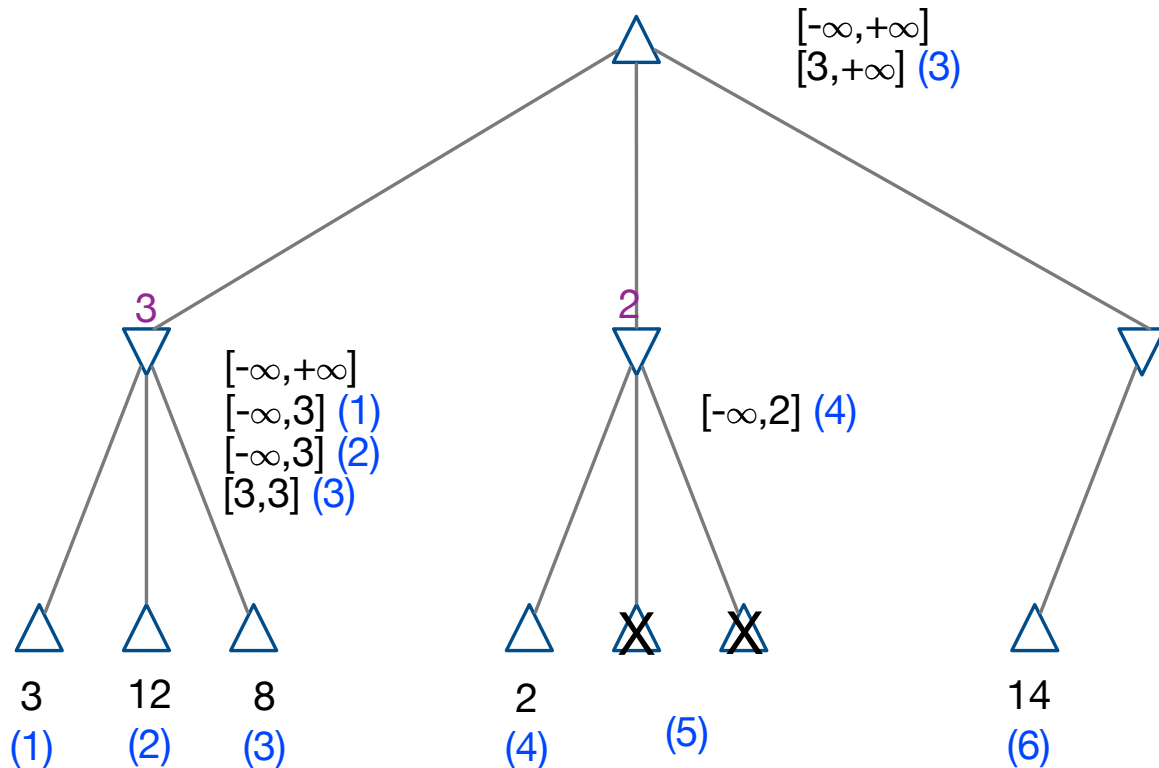


pruned 2
subtrees !!
 $2 < 3$
best MIN < worst MAX

MAX

MIN

MAX

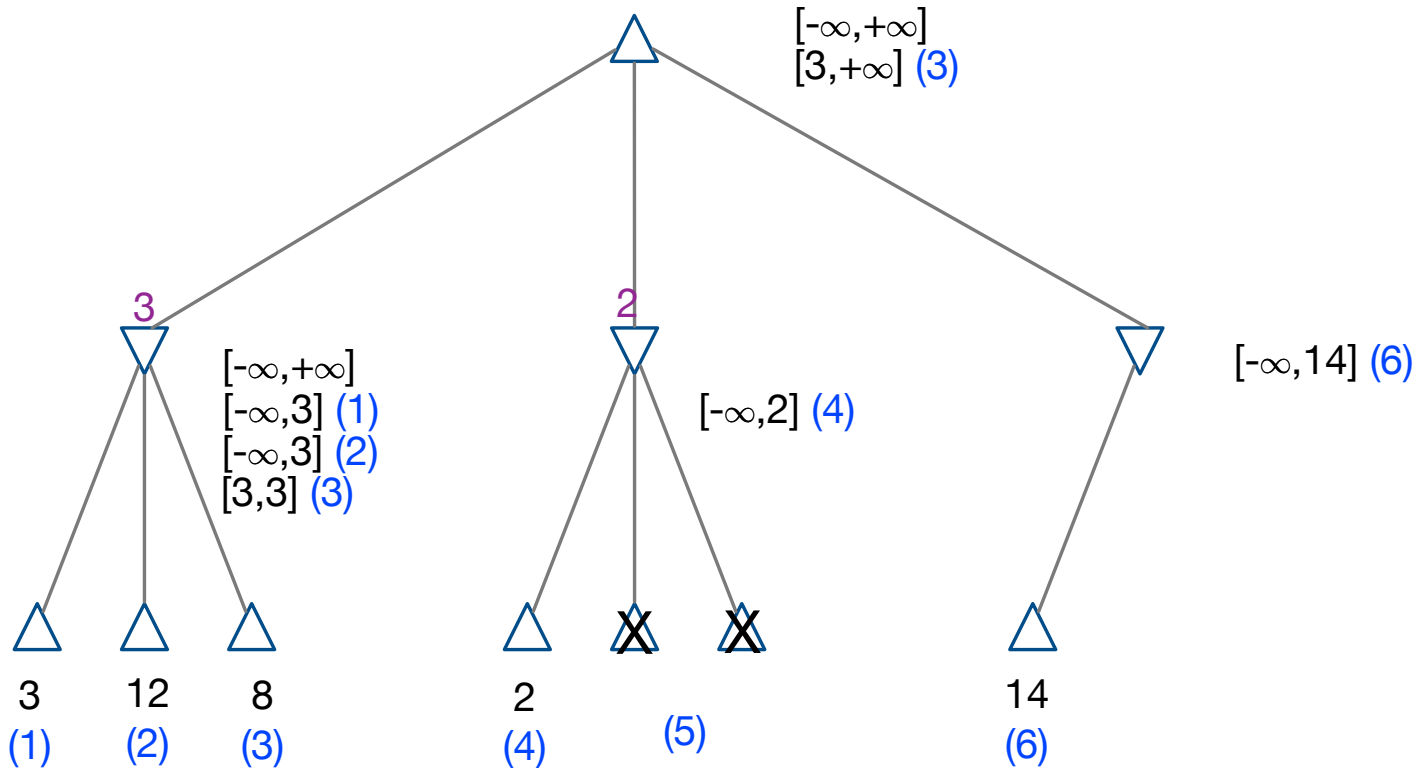


pruned 2
subtrees !!
 $2 < 3$
best MIN < worst MAX

MAX

MIN

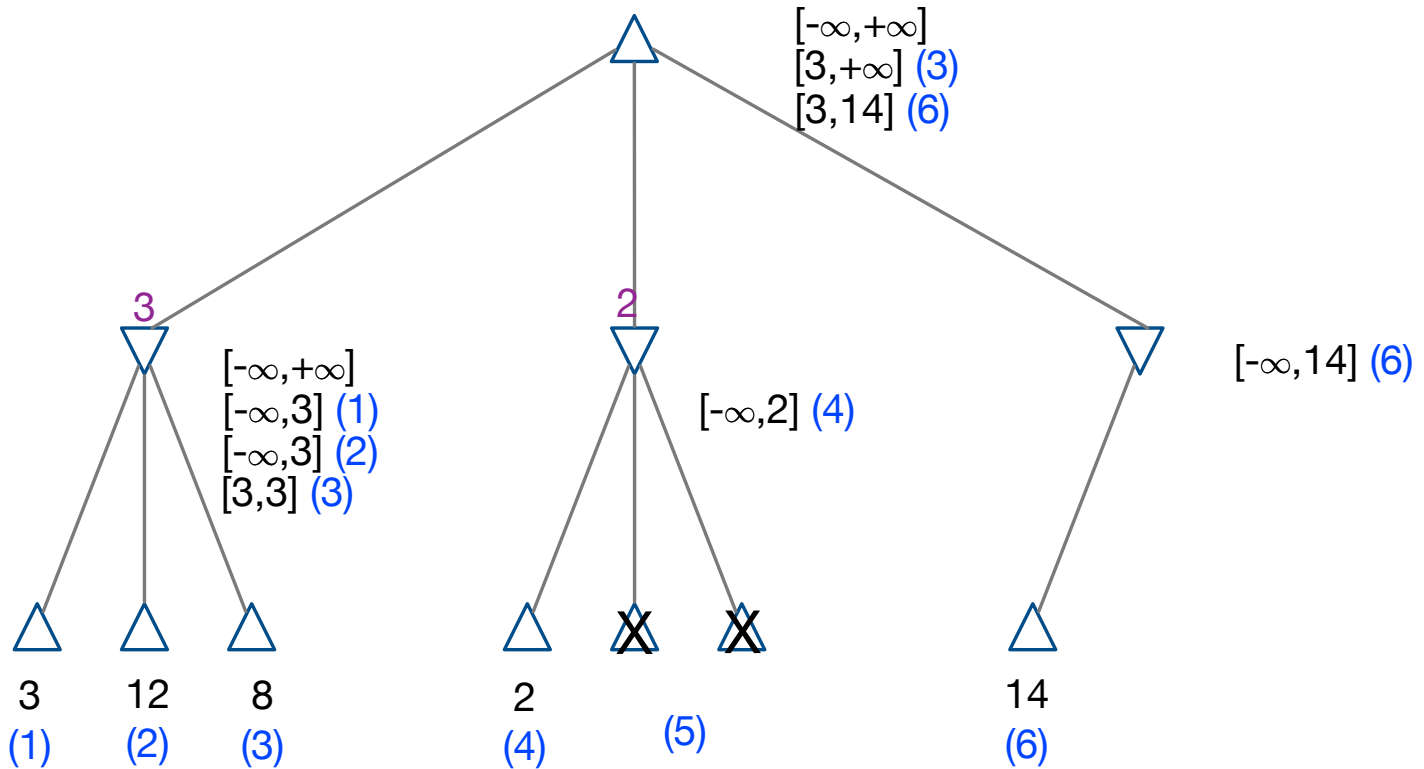
MAX



MAX

MIN

MAX

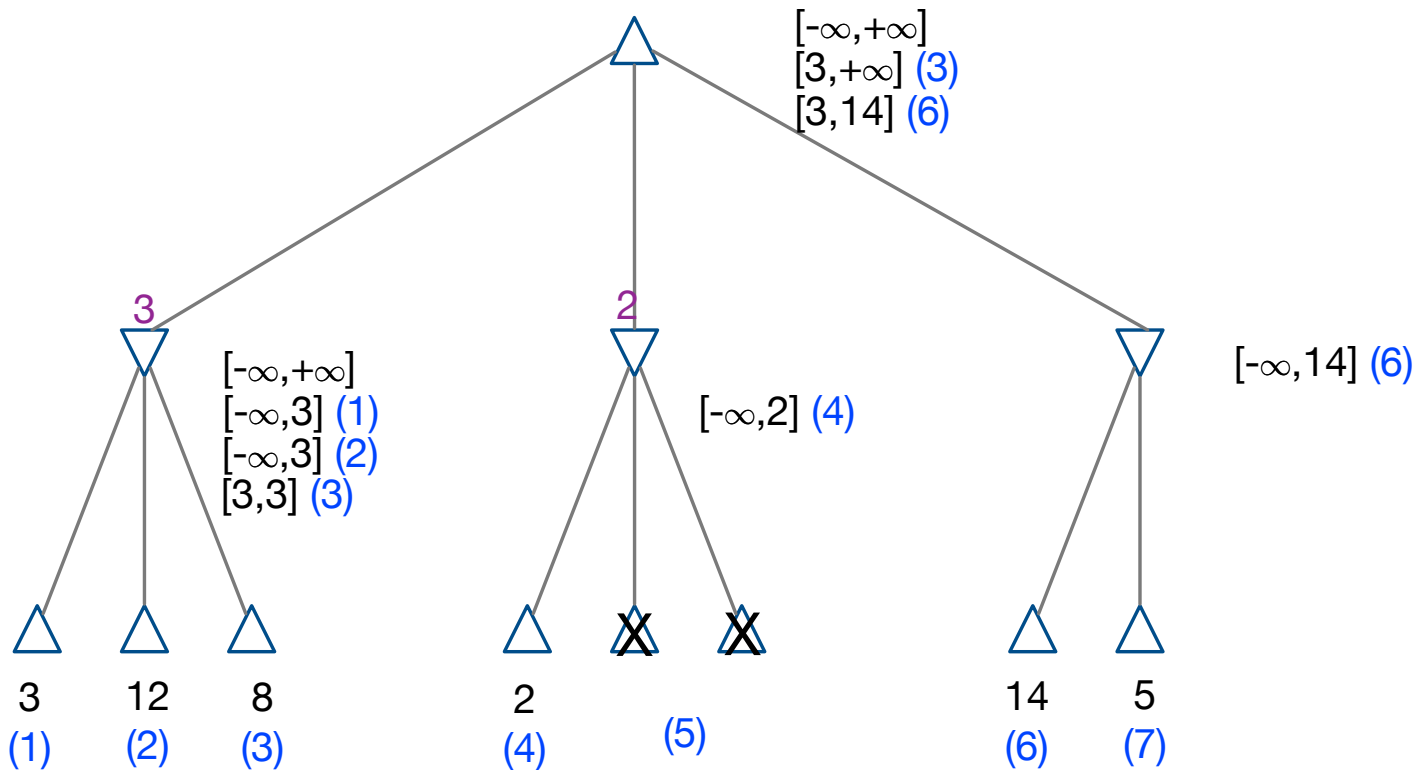


pruned 2
subtrees !!
 $2 < 3$
best MIN < worst MAX

MAX

MIN

MAX

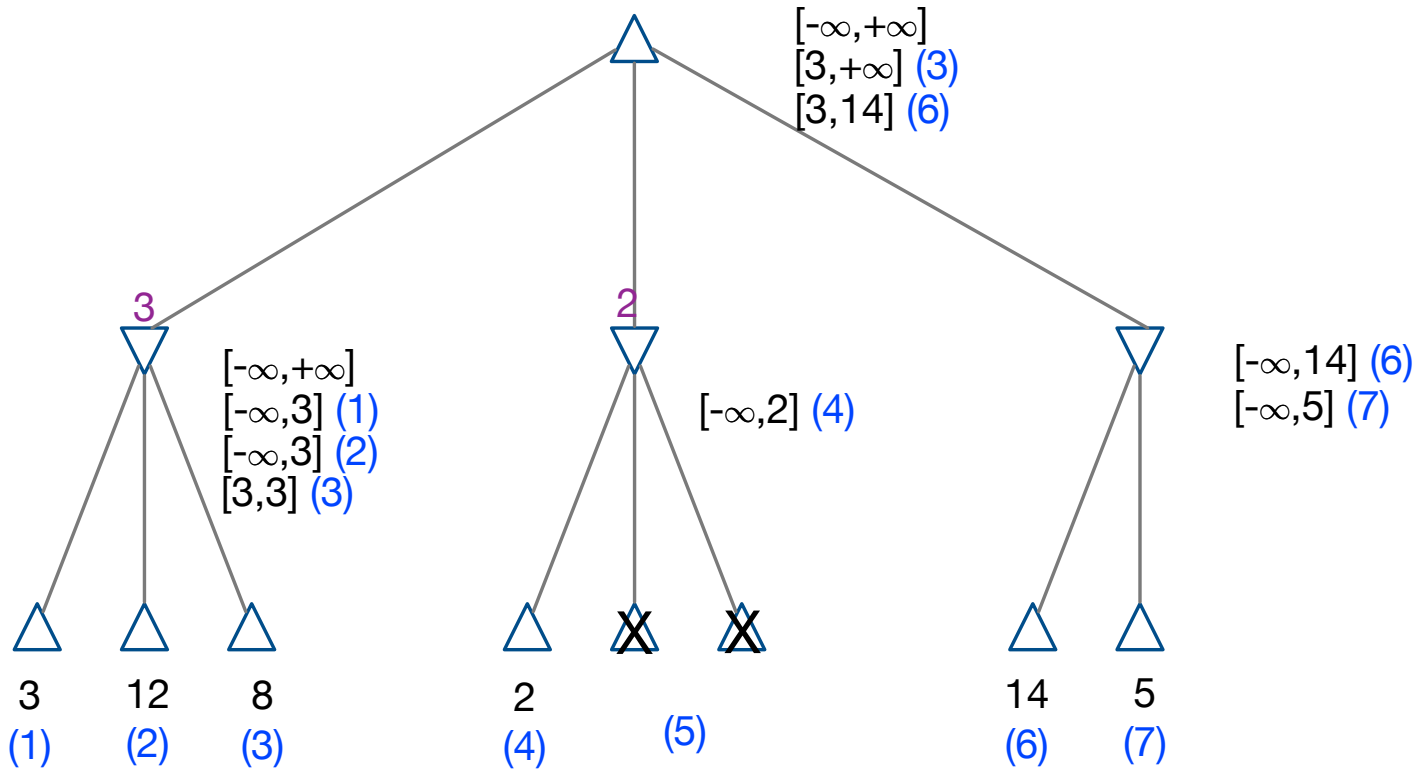


pruned 2
subtrees !!
 $2 < 3$
best MIN < worst MAX

MAX

MIN

MAX

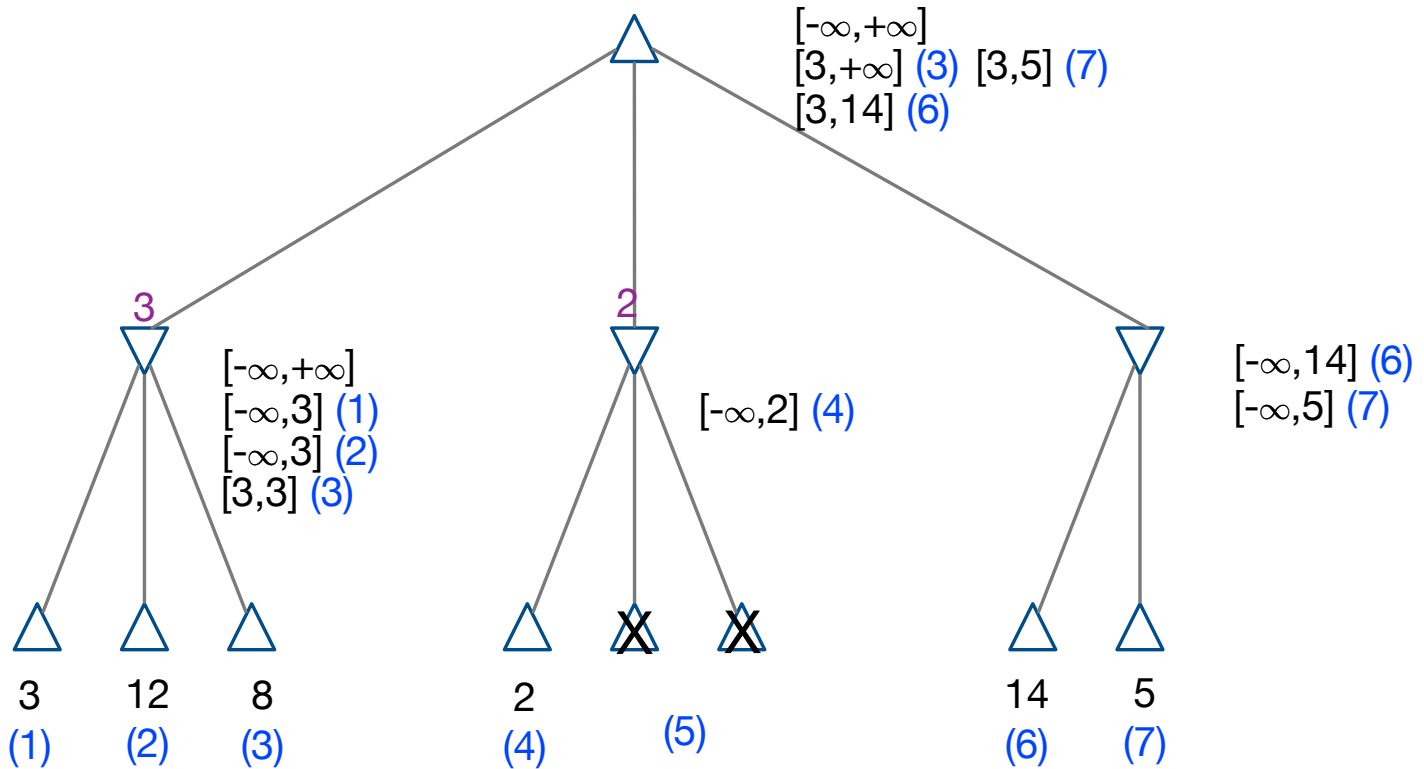


pruned 2
subtrees !!
 $2 < 3$
best MIN < worst MAX

MAX

MIN

MAX

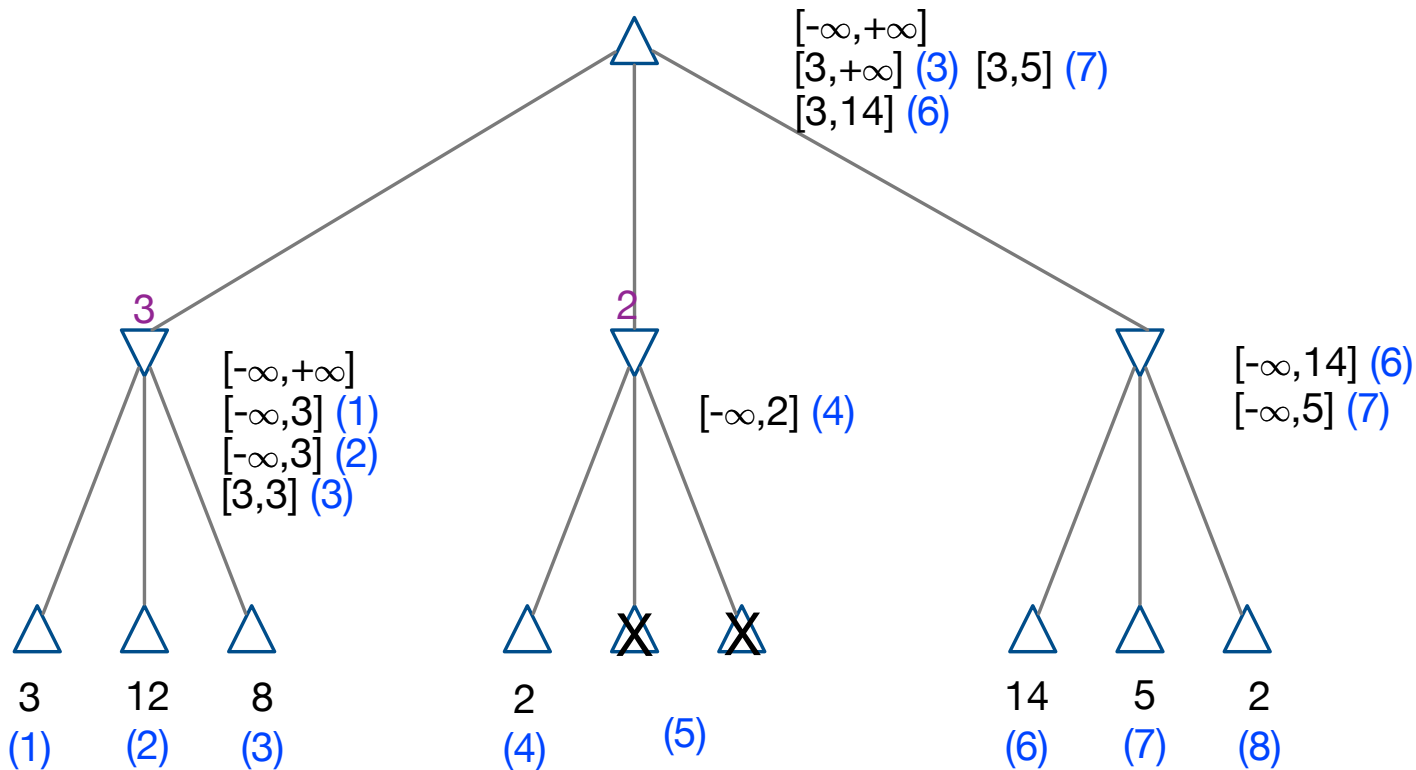


pruned 2
subtrees !!
 $2 < 3$
best MIN < worst MAX

MAX

MIN

MAX

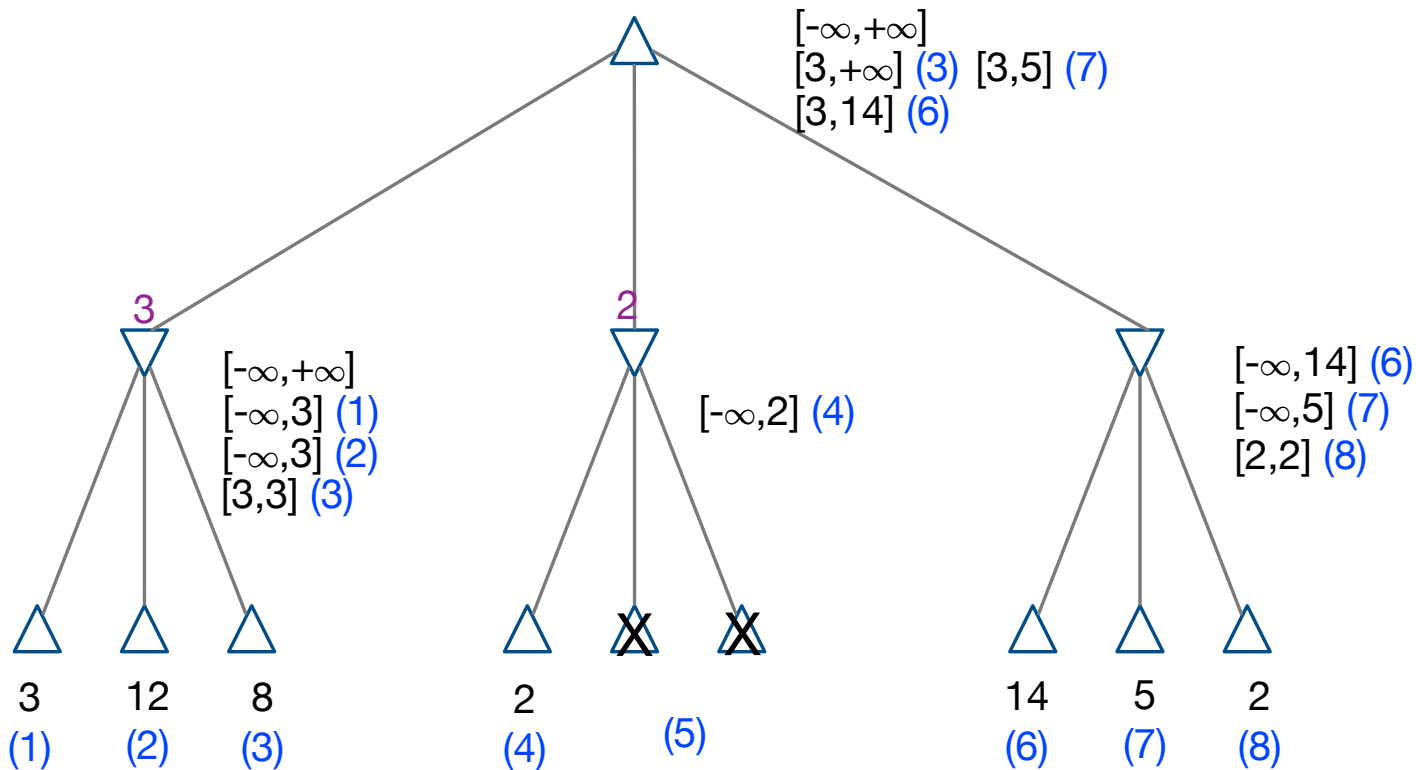


pruned 2
subtrees !!
 $2 < 3$
best MIN < worst MAX

MAX

MIN

MAX

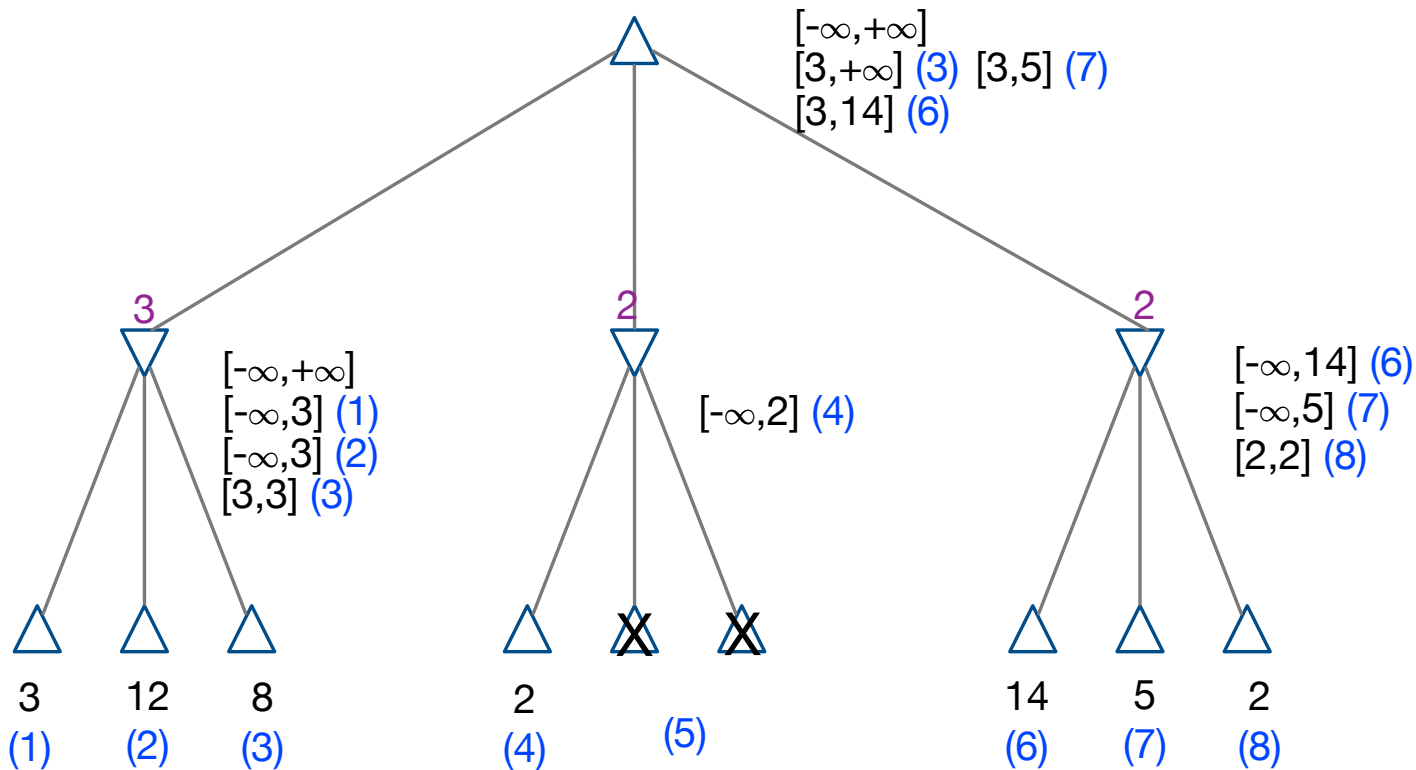


pruned 2
subtrees !!
 $2 < 3$
best MIN < worst MAX

MAX

MIN

MAX

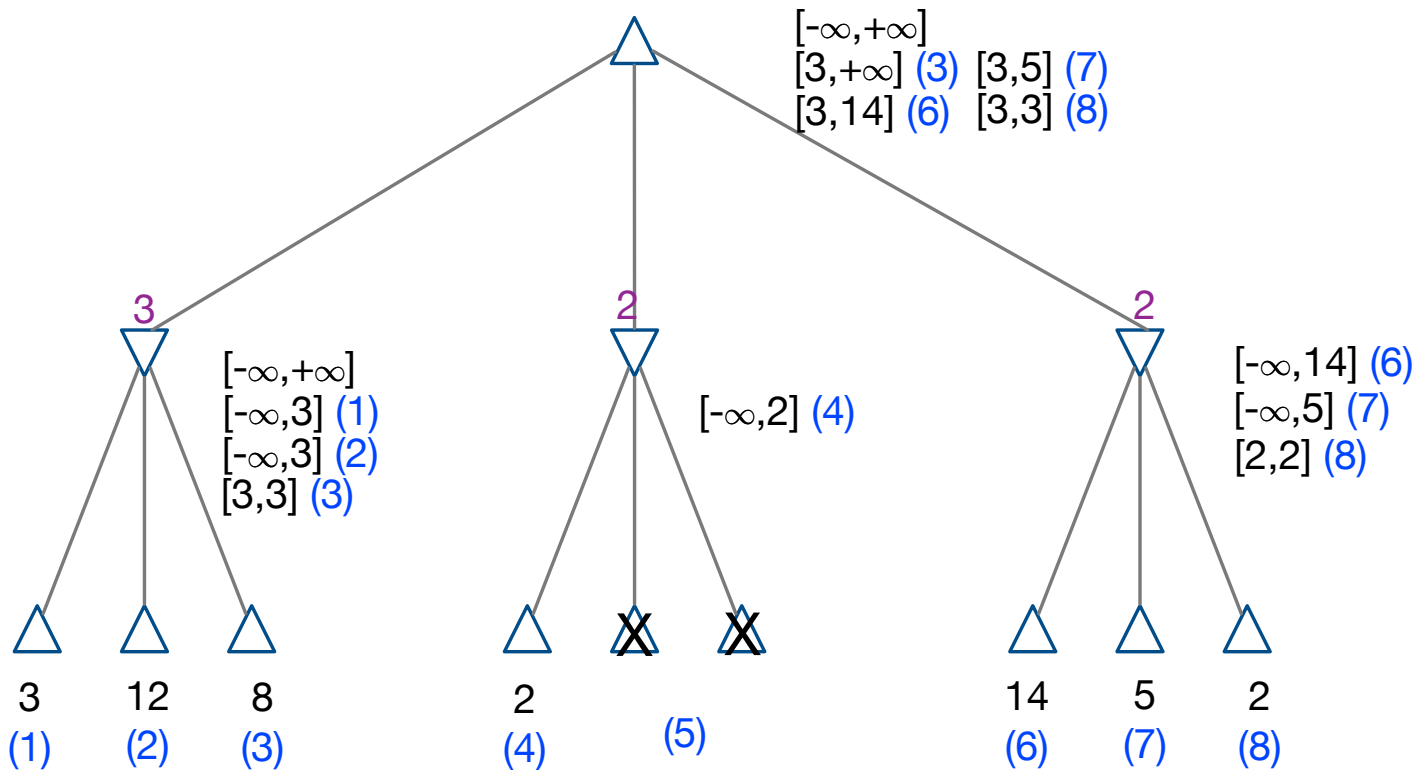


pruned 2
subtrees !!
 $2 < 3$
best MIN < worst MAX

MAX

MIN

MAX

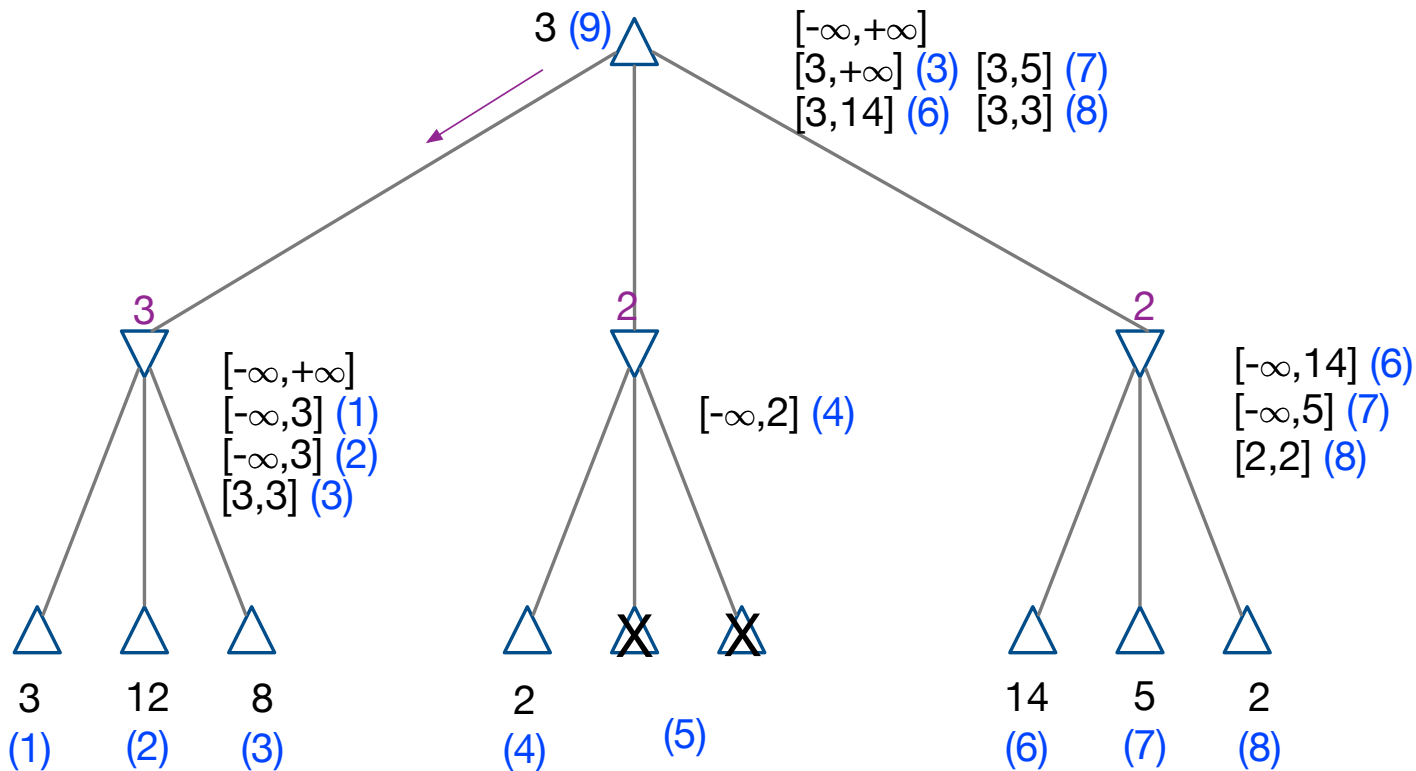


pruned 2
subtrees !!
 $2 < 3$
best MIN < worst MAX

MAX

MIN

MAX



pruned 2
subtrees !!
 $2 < 3$
best MIN < worst MAX