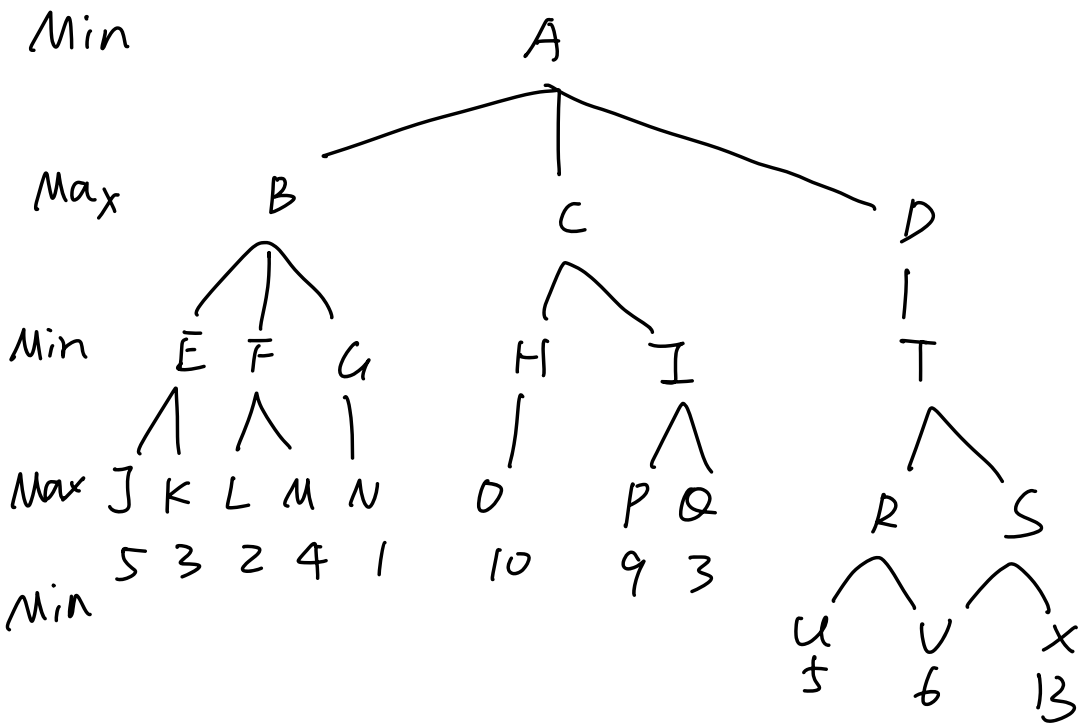
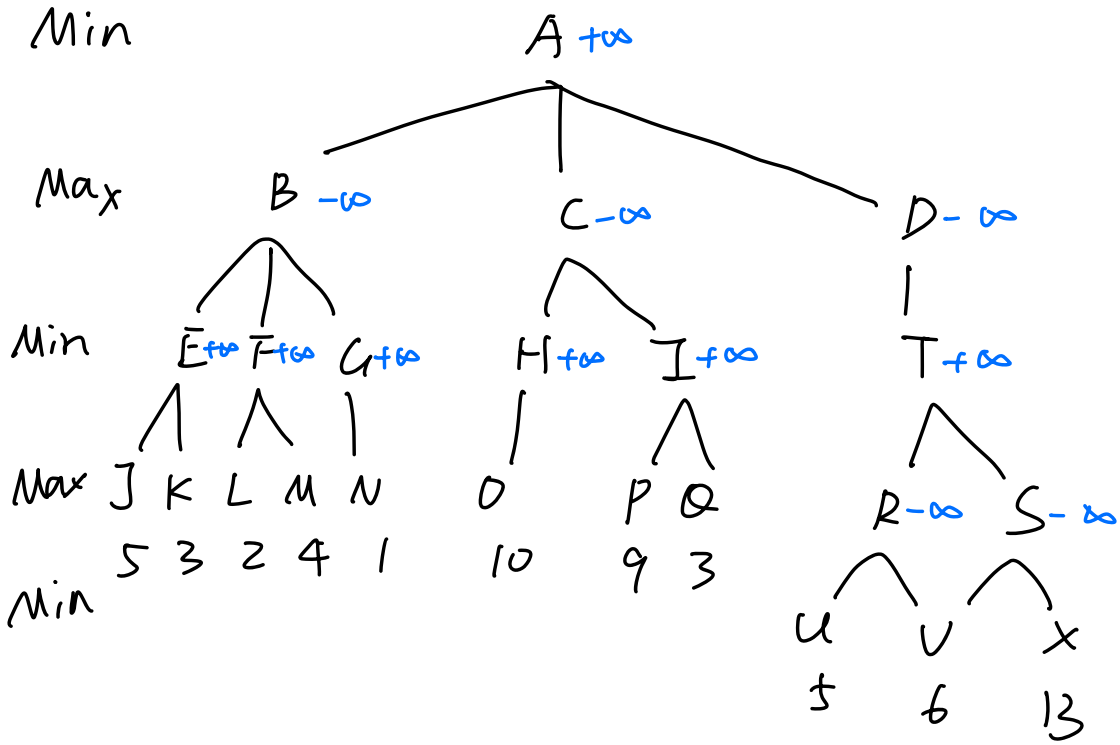
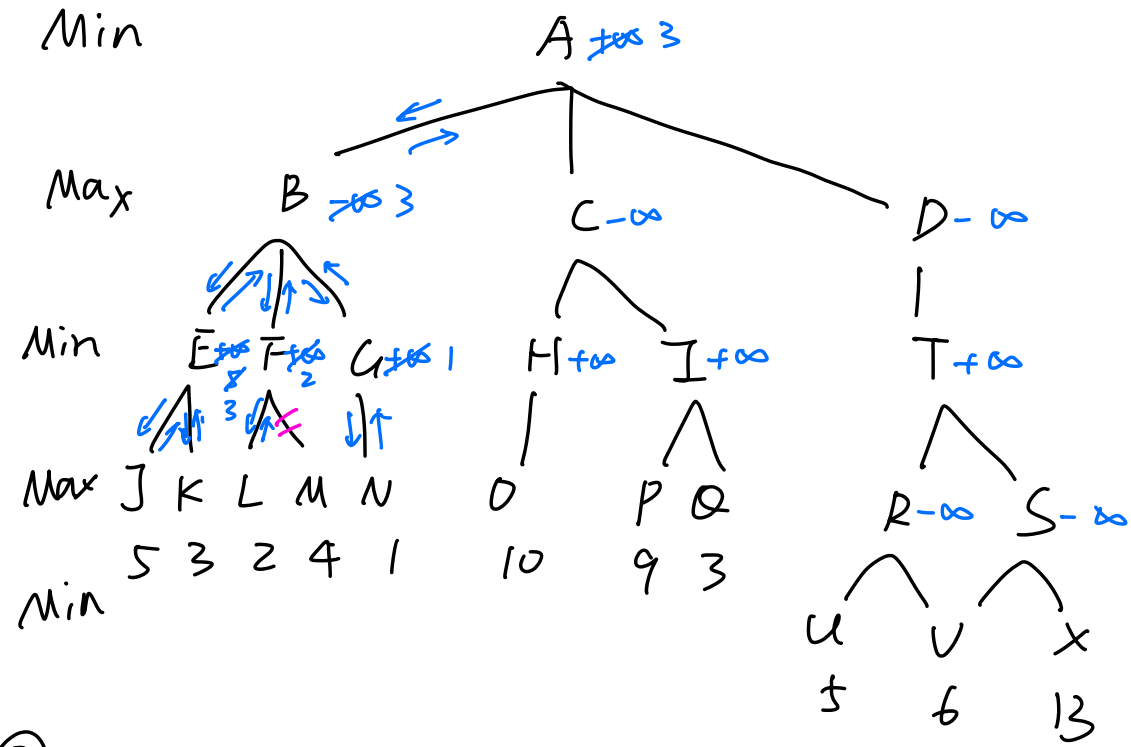
Prune R – V Explaination



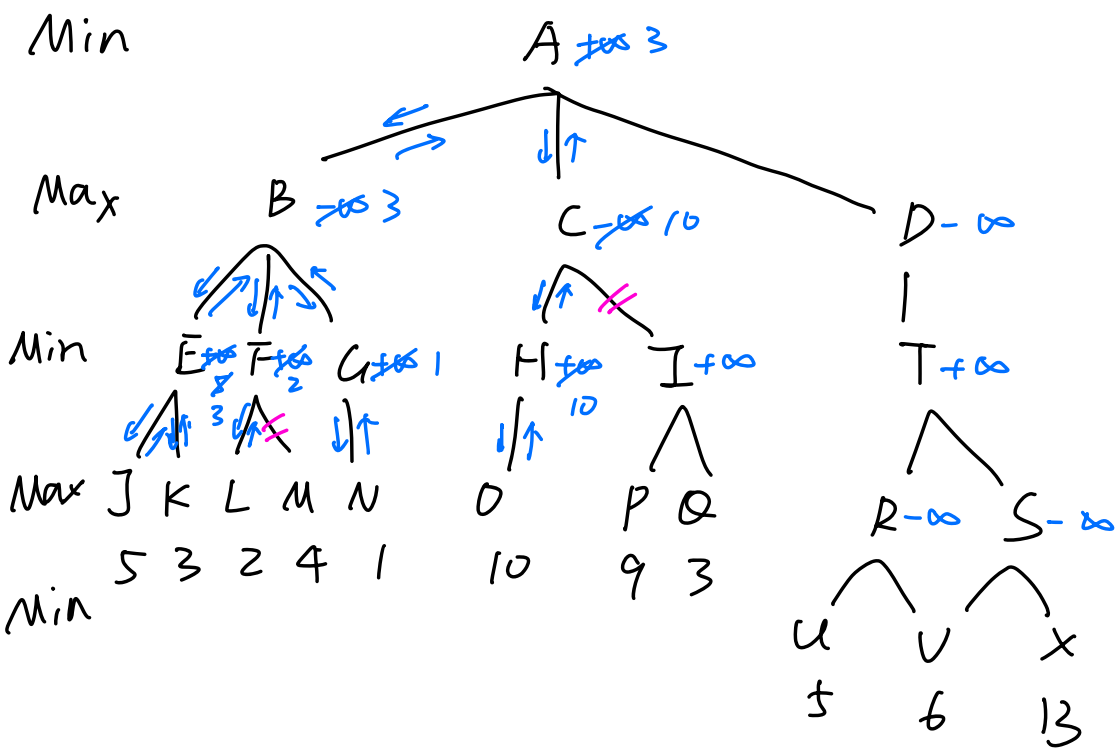
Solution ① +∞ / −∞ initialization



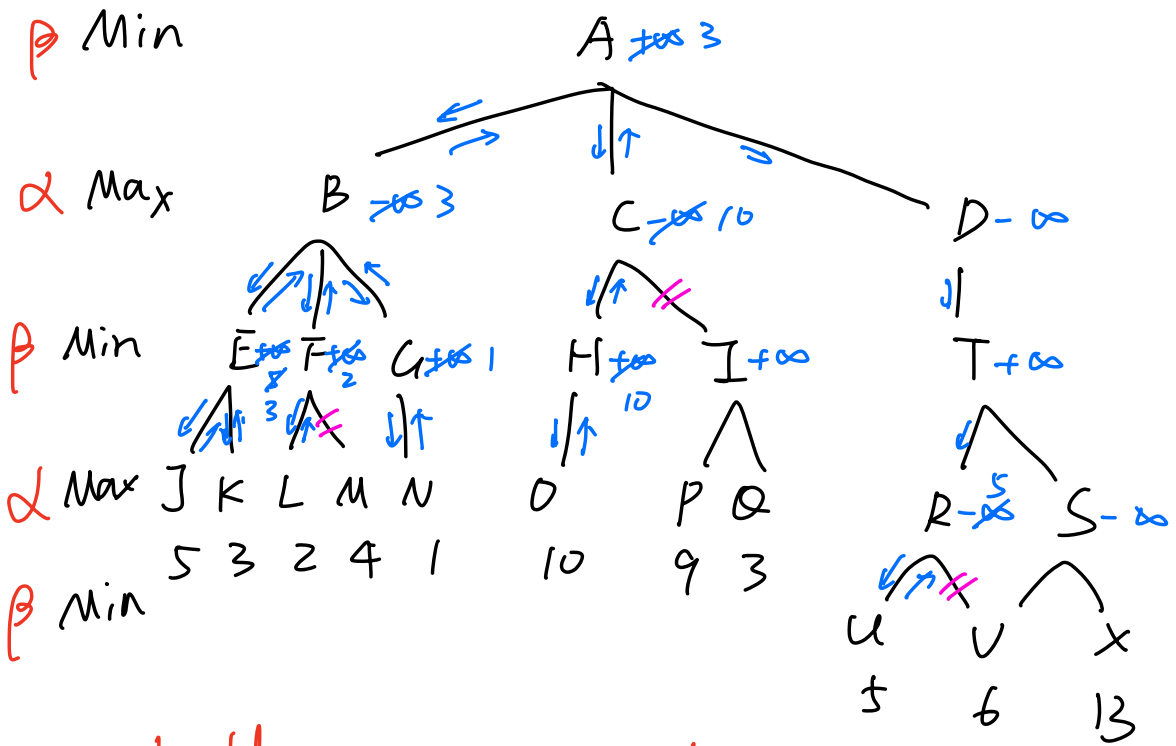
②


Min
A +∞ 3
Max
B -∞ 3
C -∞
D -∞
Min
E +∞ 8 3
F +∞ 2
G +∞ 1
H +∞
I +∞
T +∞
Max
J K L M N
O
P Q
R -∞
S -∞
5 3 2 4 1
10
9 3
Min
U V X
5 6 13

③


Min
A +∞ 3
Max
B -∞ 3
C -∞ 10
D -∞
Min
E +∞ 8 3
F +∞ 2
G +∞ 1
H +∞ 10
I +∞
T +∞
Max
J K L M N
O
P Q
R -∞
S -∞
5 3 2 4 1
10
9 3
Min
U V X
5 6 13

④ ☆ Prune R – V Explaination



α should compare to all β to check α ≥ β

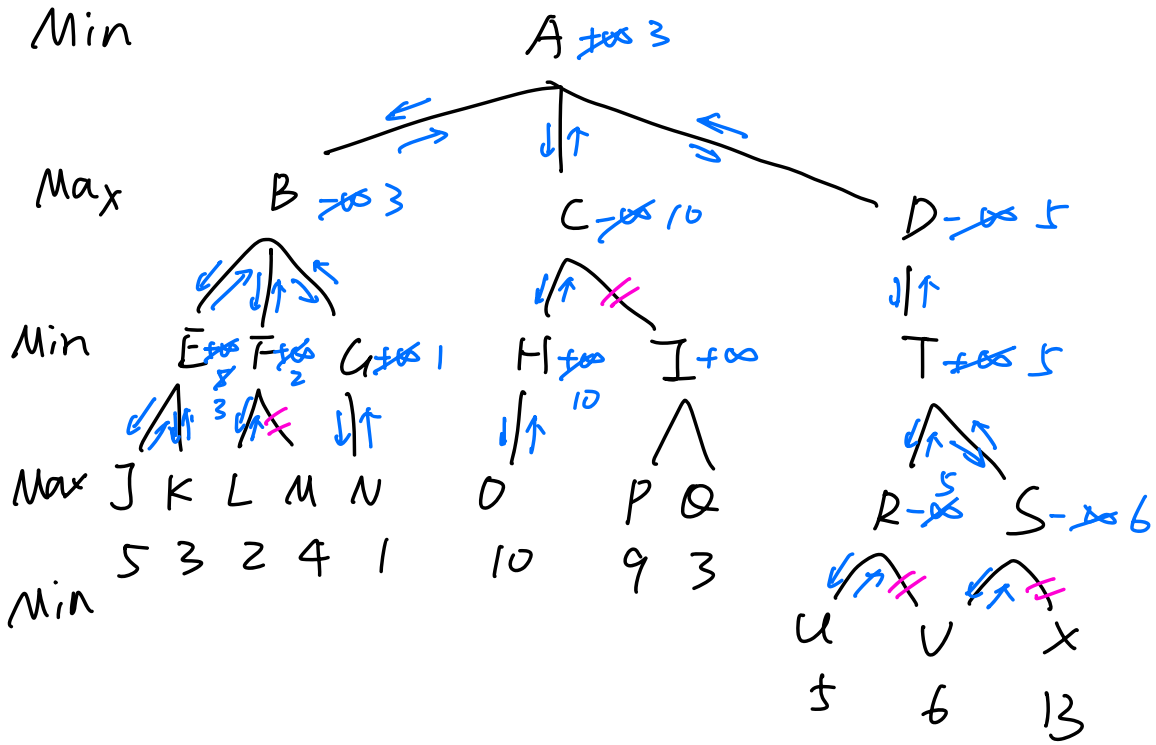
$R \overset{?}{\geq} T$

$5 \geq +\infty \quad \times$

$R \overset{?}{\geq} A$

$5 \geq 3 \quad \checkmark \Rightarrow$ So prune R – V

(5)


Min
A
Max
B
C
D
Min
E
F
G
H
I
T
Max
J K L M N
O
P Q
R
S
Min
5 3 2 4 1
10
9 3
u
v
x
5
6
13