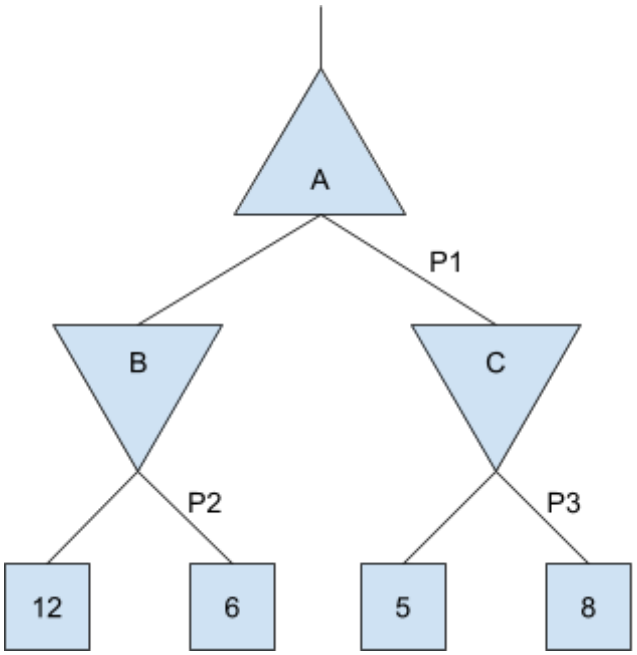
Q1. Minimax

Given:

- a partial Minimax search tree,
- node A with current values: α = -inf, β = 7.



Complete the search with α-β pruning by calculating final values of the following elements:

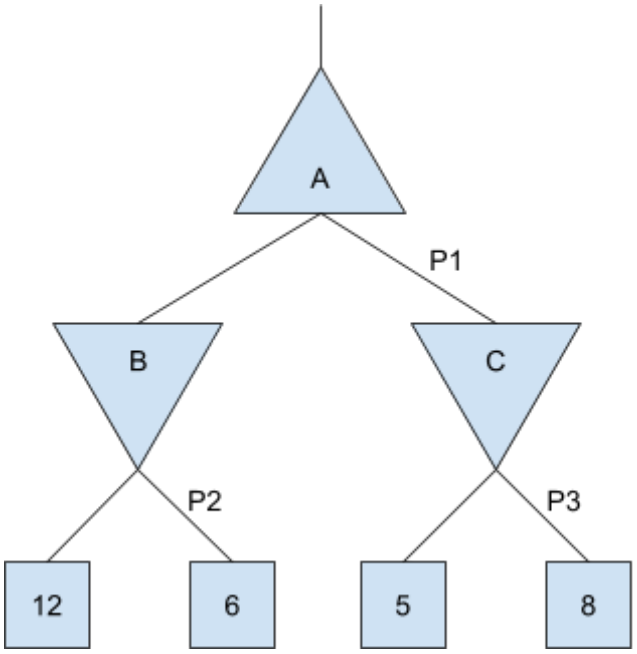
- A: α = _____, β = _____ (a value/-inf/+inf/ or nothing if pruning)
- B: α = _____, β = _____ (a value/-inf/+inf/ or nothing if pruning)
- C: α = _____, β = _____ (a value/-inf/+inf/ or nothing if pruning)
- P1: prune? _____ (Yes or No)
- P2: prune? _____ (Yes or No)
- P3: prune? _____ (Yes or No)

ANSWERS

Q1. Minimax

Given:

- a partial Minimax search tree,
- node A with current values: α = -inf, β = 7.



Complete the search with α-β pruning by calculating final values of the following elements:

- A: α = ~~-int~~, 6, β = 7 (a value/-inf/+inf/ or nothing if pruning)
- B: α = -inf, β = ~~7~~, 6 (a value/-inf/+inf/ or nothing if pruning)
- C: α = 6, β = ~~7~~, 5 (a value/-inf/+inf/ or nothing if pruning)
- P1: prune? No (Yes or No)
- P2: prune? No (Yes or No)
- P3: prune? Yes (Yes or No)