

PMF Tablut Player

Francesco Palmisano - Primiano Cristino - Matteo Conti

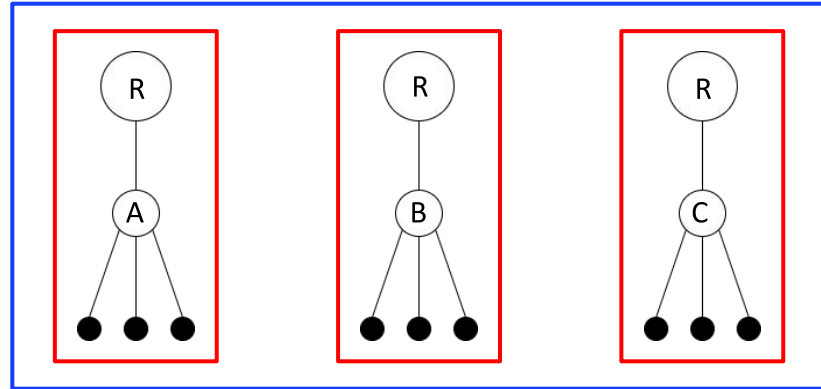
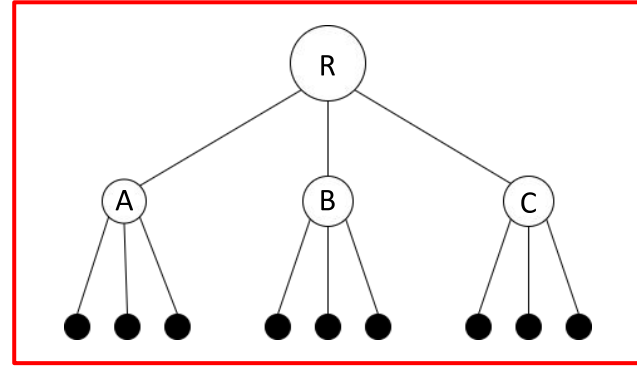
STRATEGY

ALGORITHM

MIN-MAX + ALPHA-BETA

OPTIMIZATION

SINGLE + **MULTI** PROCESS



HEURISTIC

WHITE/BLACK

- white pawns number
- black pawns number
- number of killed black pawns
- 2-move missing to win
- number of black pawns next to the king
- number of camps next to the king
- king on escape cell
- king captured
- number of blocked escapes reachable by the king with 1-move

PERFORMANCE

parallel processes	tree generation time configured	average number of created nodes	maximum tree depth completed	average Alphabet execution time
1	≈ 12.00s	≈ 350K	3	≈ 6.40s
2	≈ 12.00s	≈ 620K	3	≈ 10.20s
3	≈ 12.00s	≈ 1M	3	≈ 15.80s



Thank you.