

PART 1

GIVEN

We are provided with the current state of a chess board which is already in progress and eight moves are over.

TO FIND

The previous moves performed by either player in the game.

SOLUTION

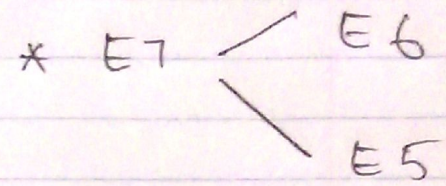
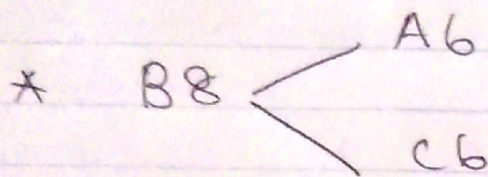
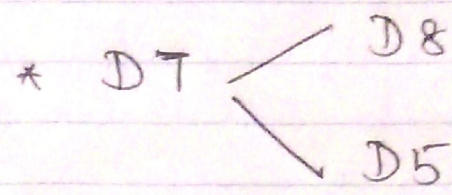
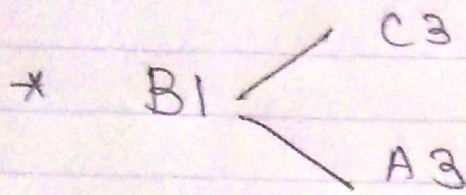
* Given the current board state, we see that the main pieces involved are as follows

- White Knight (position : B1)
- Black Knight (position : B8)
- Black pawn (position : D7)
- Black pawn (position : E7)
- Black knight (position : G8)

We consider optimal play on either sides and try to retrace our steps back from the goal node which would be the final position / board state.

The various moves possible from each state would be.

* C3 < D5
B5



and other possibilities
 Thus the order of movement of
 play would be as follows.

SIDE	PIECE	MOVEMENT
① White	Knight	B1 - C3
② Black	Pawn	D7 - D6
③ White	Knight	C3 - D5
④ Black	Knight	B8 - D7
⑤ White	Knight	D5 - E7 (black pawn dies)
⑥ Black	Knight	D7 - F6
⑦ White	Knight	E7 - G8 (black knight dies)
⑧ Black	Knight	F6 - G8 (white knight dies)