

One Sunday afternoon you tune in to ESPN to watch a chess championship. Unfortunately, the game is already in progress so you don't know the moves that have happened so far, but you do know that there have been 4 plies (i.e. White has moved 4 times and so has Black). Determine the previous moves performed by each player, with a brief explanation of your answer. Submit this problem as a PDF file, consisting either of a typed document or a scan of a neatly-written handwritten document.

Solution:

- We know that one white knight, one black knight and black pawn is killed. It is obvious that white Knight had killed the black knight and pawn.
- First move is taken by white knight.



- Next move is made by black pawn before Queen. We decided this as the best move after making selection of knight and another pawn before king in in two different positions. But it lead to failure within four moves. We decide this on the basis of “white knight killing our black pawn or black knight” in third and fourth moves.
- Also white horse can only kill in white cell.

♔ White vs. Black ♚

White's turn

Captured Pieces

Moves

	♔	♚
1	b1.c3	d7.d6



- Within white knight's 2nd and 3rd move it should be done killing the black pawn and black knight

♔ White vs. Black ♚

Black's turn

Captured Pieces

Moves

	♔	♚
1	b1.c3	d7.d6
2	c3.d5	



♔ White vs. Black ♚

White's turn

Captured Pieces

Moves

	♔	♚
1	b1.c3	d7.d6
2	c3.d5	b8.d7



♔ White vs. Black ♚

Black's turn

Captured Pieces



Moves

	♔	♚
1	b1.c3	d7.d6
2	c3.d5	b8.d7
3	d5.e7	



♔ White vs. Black ♚

White's turn

Captured Pieces



Moves

	♔	♚
1	b1.c3	d7.d6
2	c3.d5	b8.d7
3	d5.e7	d7.f6



♔ White vs. Black ♚

Black's turn

Captured Pieces



Moves

	♔	♚
1	b1.c3	d7.d6
2	c3.d5	b8.d7
3	d5.e7	d7.f6
4	e7.g8	



FINAL SOLUTION:

♔ White vs. Black ♚

White's turn

Captured Pieces



Moves

	♔	♚
1	b1.c3	d7.d6
2	c3.d5	b8.d7
3	d5.e7	d7.f6
4	e7.g8	f6.g8

