Chapter 1: Parity Prob 2: On a chessboard, a Knight starts from square al, and returns.

There after making several moves. Show that the Knight makes an evento. between a WBWBWBWBWBN
nove, C WBWBWBWBWB of moves. Observation: To move, d BWBWBWB e WBWBWBW any two squares an even no. of moves of BWBWBWBW of same color requires WBWBWBW 2345678. To move from a black (always). to white square (or vice-versa), it takes an odd no. of moves always. . Since the Knight starts and naturns to al, it's clear from above observation that we must have an even no. of moves. Prob 3: Can a Knight start at square a of a chessboard, and go to square h8, visiting each of the remaining squares exactly once on the way?