Knight Attack

A knight and a pawn are on a chessboard. Can you figure out the minimum number of moves required for the knight to travel to the same position as the pawn? On a single move, the knight can move in an "L" shape; two spaces in any direction, then one space in a perpendicular direction. This means that on a single move, a knight has eight possible positions it can move to. (see end of document for a picture)

Write a function, knight_attack, that takes in 5 arguments:
n, kr, kc, pr, pc
n = the length of the chessboard

kr = the starting row of the knight
kc = the starting column of the knight
pr = the row of the pawn
pc = the column of the pawn

The function should return a number representing the minimum number of moves required for the knight to land on top of the pawn. The knight cannot move out of bounds of the board. You can assume that rows and columns are 0-indexed. This means that if n = 8, there are 8 rows and 8 columns numbered 0 to 7. If it is not possible for the knight to attack the pawn, then return None.

Example movement of a knight on a chess board: