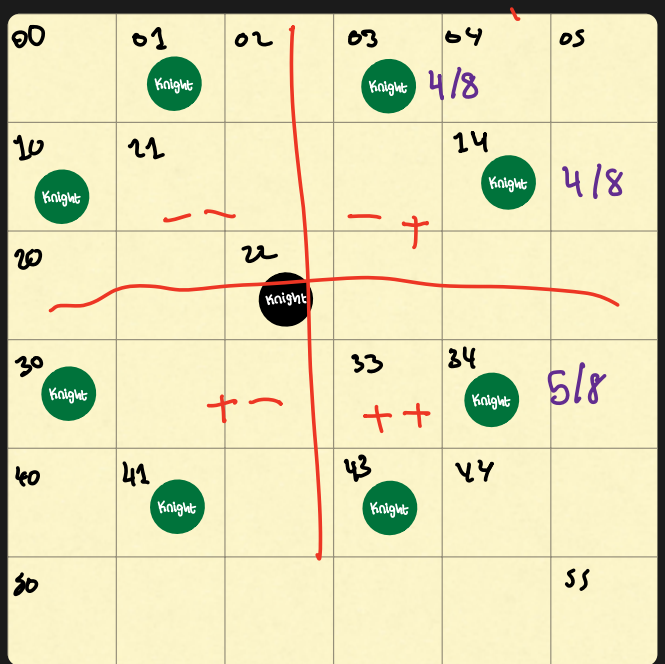
Problem

On nxn chessboard, knight piece start at row r, col c. Knight attempts to make k moves.
Knight can move 8 moves.
Knight randomly chooses 1 of 8 moves.
Knight continues moving until finishes k moves OR moves off chessboard.
Return probability knight on chessboard after finish moving.



nxn array

6x6

Knight on

[2, 2]

K moves

3 Knight Knight Knight

8 moves dictionary

[[-1, -2] [-2, 1]
[-2, -1] [-1, 2]

[2, -1] [1, 2]
[1, -2] [2, 1]]

all possibilities are on board for move 1

move 1: move 2:

1/1 chance on board

Intro

- Verify Constraints
- Create Testcases

Brute Force

- Brainstorming & Pattern Observations
- Pseudocode
- Write code
- Run through testcases
- Analyze time and space complexity

Optimal

- Brainstorming & Pattern Observations
- Pseudocode
- Write code
- Run through testcases
- Analyze time and space complexity