Started on	Tuesday, 29 April 2025, 9:56 PM
State	Finished
Completed on	Tuesday, 29 April 2025, 10:04 PM
Time taken	7 mins 56 secs
Grade	10.00 out of 10.00 (100 %)

Write a python program to implement knight tour problem using warnsdorff's algorithm

For example:

Test	Input	Result
a.warnsdroff((x,y))	8 8 3 3	board: [21, 32, 17, 30, 39, 36, 15, 42] [18, 29, 20, 35, 16, 41, 54, 37] [33, 22, 31, 40, 53, 38, 43, 14] [28, 19, 34, 1, 44, 49, 60, 55] [23, 2, 27, 52, 61, 56, 13, 50] [8, 5, 24, 45, 48, 51, 62, 59] [3, 26, 7, 10, 57, 64, 47, 12]
		[6, 9, 4, 25, 46, 11, 58, 63]

Answer: (penalty regime: 0 %)

	Test	Input	Expected	Got	
~	a.warnsdroff((x,y))	8	board:	board:	~
		8	[21, 32, 17, 30, 39, 36, 15, 42]	[21, 32, 17, 30, 39, 36, 15, 42]	
		3	[18, 29, 20, 35, 16, 41, 54, 37]	[18, 29, 20, 35, 16, 41, 54, 37]	
		3	[33, 22, 31, 40, 53, 38, 43, 14]	[33, 22, 31, 40, 53, 38, 43, 14]	
			[28, 19, 34, 1, 44, 49, 60, 55]	[28, 19, 34, 1, 44, 49, 60, 55]	
			[23, 2, 27, 52, 61, 56, 13, 50]	[23, 2, 27, 52, 61, 56, 13, 50]	
			[8, 5, 24, 45, 48, 51, 62, 59]	[8, 5, 24, 45, 48, 51, 62, 59]	
			[3, 26, 7, 10, 57, 64, 47, 12]	[3, 26, 7, 10, 57, 64, 47, 12]	
			[6, 9, 4, 25, 46, 11, 58, 63]	[6, 9, 4, 25, 46, 11, 58, 63]	

Passed all tests! 🗸

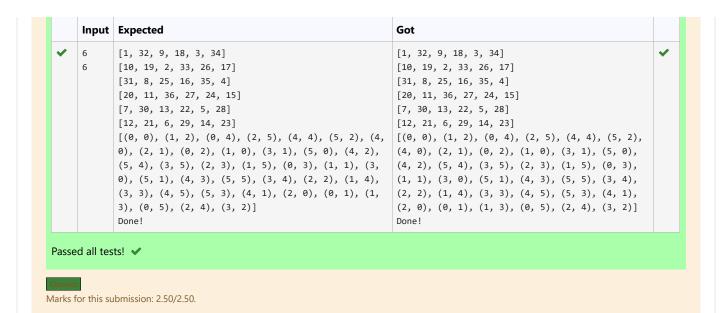
Marks for this submission: 2.50/2.50.

Write a python program to implement knight tour problem

For example:

Answer: (penalty regime: 0 %)

```
Input Expected
                                                             Got
                                                             [1, 12, 25, 18, 3]
       [1, 12, 25, 18, 3]
       [22, 17, 2, 13, 24]
                                                             [22, 17, 2, 13, 24]
       [11, 8, 23, 4, 19]
                                                             [11, 8, 23, 4, 19]
                                                             [16, 21, 6, 9, 14]
       [16, 21, 6, 9, 14]
                                                             [7, 10, 15, 20, 5]
       [7, 10, 15, 20, 5]
       [(0, 0), (1, 2), (0, 4), (2, 3), (4, 4), (3, 2), (4,
                                                             [(0, 0), (1, 2), (0, 4), (2, 3), (4, 4), (3, 2),
       0), (2, 1), (3, 3), (4, 1), (2, 0), (0, 1), (1, 3),
                                                             (4, 0), (2, 1), (3, 3), (4, 1), (2, 0), (0, 1),
       (3, 4), (4, 2), (3, 0), (1, 1), (0, 3), (2, 4), (4,
                                                             (1, 3), (3, 4), (4, 2), (3, 0), (1, 1), (0, 3),
       3), (3, 1), (1, 0), (2, 2), (1, 4), (0, 2)]
                                                             (2, 4), (4, 3), (3, 1), (1, 0), (2, 2), (1, 4),
       Done!
                                                             (0, 2)]
                                                             Done!
```



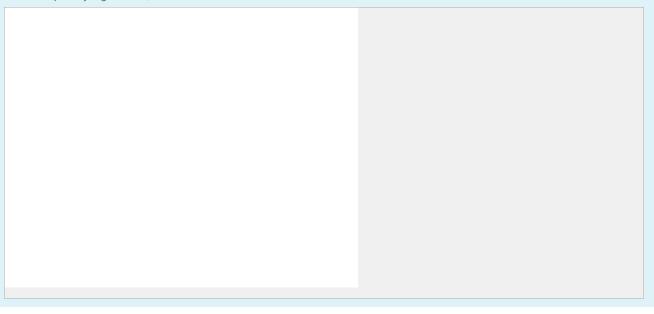
Question **3**

Correct

Mark 2.50 out of 2.50

Write a python program to find minimum steps to reach to specific cell in minimum moves by knight.

Answer: (penalty regime: 0 %)



	Input	Expected	Got	
~	30	20	20	~

Passed all tests! 🗸

Marks for this submission: 2.50/2.50.

Question 4	
Correct	

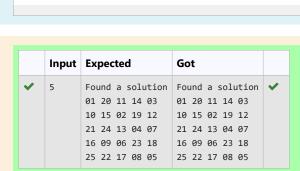
Mark 2.50 out of 2.50

Write a python program to implement knight tour problem using backtracking

For example:

Input	Result		
5	Found a solution		
	01 20 11 14 03		
	10 15 02 19 12		
	21 24 13 04 07		
	16 09 06 23 18		
	25 22 17 08 05		

Answer: (penalty regime: 0 %)



Marks for this submission: 2.50/2.50.

Passed all tests! 🗸