OPUTPUT-Tic-tac-toe

Case 1-

```
Current Board:
[' ', ' ', ' ']
[' ', ' ', ' ']
[' ', ' ', ' ']

Player X's turn:
Enter row (0-2): 0
Enter col (0-2): 0

Current Board:
['X', ' ', ' ']
[' ', ' ', ' ']
[' ', ' ', ' ']

Player O's turn:
Enter row (0-2): 0
Enter col (0-2): 1

Current Board:
['X', 'O', ' ']
[' ', ' ', ' ']
[' ', ' ', ' ']

Player X's turn:
Enter row (0-2): 1
Enter col (0-2): 1

Current Board:
['X', 'O', ' ']
[' ', 'X', ' ']
[' ', ' ', ' ']

Player O's turn:
Enter row (0-2): 1
Enter col (0-2): 2

Current Board:
['X', 'O', ' ']
[' ', 'X', 'O']
[' ', ' ', ' ']

Player X's turn:
Enter row (0-2): 2
Enter col (0-2): 2

Final Board:
['X', 'O', ' ']
[' ', 'X', 'O']
[' ', ' ', 'X']

Player X wins!
Path Cost = 5
Samriddhi Singh 1BM23CS295
```

Case 2-

```
Current Board:
[' ', ' ', ' ']
[' ', ' ', ' ']
[' ', ' ', ' ']

Player X's turn:
Enter row (0-2): 0
Enter col (0-2): 0

Current Board:
['X', ' ', ' ']
[' ', ' ', ' ']
[' ', ' ', ' ']

Player O's turn:
Enter row (0-2): 0
Enter col (0-2): 1

Current Board:
['X', 'O', ' ']
[' ', ' ', ' ']
[' ', ' ', ' ']

Player X's turn:
Enter row (0-2): 1
Enter col (0-2): 0

Current Board:
['X', 'O', ' ']
['X', ' ', ' ']
[' ', ' ', ' ']

Player O's turn:
Enter row (0-2): 1
Enter col (0-2): 1

Current Board:
['X', 'O', ' ']
['X', 'O', ' ']
[' ', ' ', ' ']

Player X's turn:
Enter row (0-2): 0
Enter col (0-2): 2

Current Board:
['X', 'O', 'X']
['X', 'O', ' ']
[' ', ' ', ' ']

Player O's turn:
Enter row (0-2): 2
Enter col (0-2): 2

Current Board:
['X', 'O', 'X']
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```
['X', 'O', ' ']
[' ', ' ', 'O']

Player X's turn:
Enter row (0-2): 1
Enter col (0-2): 2

Current Board:
['X', 'O', 'X']
['X', 'O', 'X']
[' ', ' ', 'O']

Player O's turn:
Enter row (0-2): 2
Enter col (0-2): 1

Final Board:
['X', 'O', 'X']
['X', 'O', 'X']
[' ', 'O', 'O']

Player O wins!
Path Cost = 8
Samriddhi Singh 1BM23CS295
```

Case 3-

```
Current Board:
[' ', ' ', ' ']
[' ', ' ', ' ']
[' ', ' ', ' ']

Player X's turn:
Enter row (0-2): 0
Enter col (0-2): 0

Current Board:
['X', ' ', ' ']
[' ', ' ', ' ']
[' ', ' ', ' ']

Player O's turn:
Enter row (0-2): 1
Enter col (0-2): 0

Current Board:
['X', ' ', ' ']
['O', ' ', ' ']
[' ', ' ', ' ']

Player X's turn:
Enter row (0-2): 0
Enter col (0-2): 2

Current Board:
['X', ' ', 'X']
['O', ' ', ' ']
```

```
[' ', ' ', ' ']

Player O's turn:
Enter row (0-2): 0
Enter col (0-2): 1

Current Board:
['X', 'O', 'X']
['O', ' ', ' ']
[' ', ' ', ' ']

Player X's turn:
Enter row (0-2): 1
Enter col (0-2): 2

Current Board:
['X', 'O', 'X']
['O', ' ', 'X']
[' ', ' ', ' ']

Player O's turn:
Enter row (0-2): 2
Enter col (0-2): 2

Current Board:
['X', 'O', 'X']
['O', ' ', 'X']
[' ', ' ', 'O']

Player X's turn:
Enter row (0-2):  1
Enter col (0-2): 1

Current Board:
['X', 'O', 'X']
['O', 'X', 'X']
[' ', ' ', 'O']

Player O's turn:
Enter row (0-2): 2
Enter col (0-2): 0

Current Board:
['X', 'O', 'X']
['O', 'X', 'X']
['O', ' ', 'O']

Player X's turn:
Enter row (0-2): 2
Enter col (0-2): 1

Final Board:
['X', 'O', 'X']
['O', 'X', 'X']
['O', 'X', 'O']

It's a draw!
Path Cost = 9
```