

Othello Game Demo

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Initial State

	A	B	C	D	E	F	G	H
0								
1								
2								
3				O	X			
4				X	O			
5								
6								
7								

First Player Tiles: X

Second Player Tiles: O

Legal Move for First Player

	A	B	C	D	E	F	G	H
0								
1								
2				X				
3				O	X			
4				X	O			
5								
6								
7								

Flips a Tile

	A	B	C	D	E	F	G	H
0								
1								
2				X				
3				X	X			
4				X	O			
5								
6								
7								

Is this a legal Move?

	A	B	C	D	E	F	G	H
0								
1				O				
2				X				
3				X	X			
4				X	O			
5								
6								
7								

Not Really! No tiles are flipped

	A	B	C	D	E	F	G	H
0								
1				O				
2				X				
3				X	X			
4				X	O			
5								
6								
7								

Is this a legal Move?

	A	B	C	D	E	F	G	H
0								
1								
2				X	O			
3				X	X			
4				X	O			
5								
6								
7								

Yes, 1 tile is flipped

	A	B	C	D	E	F	G	H
0								
1								
2				X	O			
3				X	O			
4				X	O			
5								
6								
7								

Yes, 2 tiles are flipped. (Can flip diagonally)

	A	B	C	D	E	F	G	H
0								
1								
2				X	O			
3				X	X			
4				X	X	X		
5								
6								
7								

Score at this point is 5 (Player 1 tiles – Player 2 tiles)

	A	B	C	D	E	F	G	H
0								
1								
2				X	O			
3				X	X			
4				X	X	X		
5								
6								
7								