

# Example Game

Step 1 : O plays round 1

	$O_1$	
	$O_1$	

Step 2 : X plays round 2

	$O_1$	
	$O_1 X_2$	
$X_2$		

Step 3 : O plays round 3

	$O_1$	
	$O_1 X_2$	

$X_2$	$O_3$	$O_3$
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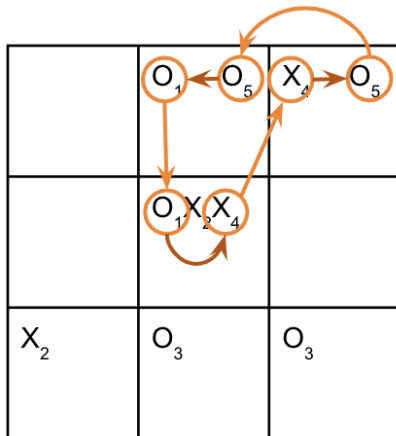
Step 4 : X plays round 4

	$O_1$	$X_4$
	$O_1 X_2 X_4$	
$X_2$	$O_3$	$O_3$

Step 5 : O plays round 5

	$O_1 O_5$	$X_4 O_5$
	$O_1 X_2 X_4$	
$X_2$	$O_3$	$O_3$

*Now there is a Cycle*



It's now X player to play and it's a collapse move : he has to choose O<sub>1</sub> position

### Step 6 : X Collapse Cycle

He chooses O<sub>1</sub> to be on Center / Center

=> meaning that X<sub>2</sub> is on Bottom / Left and X<sub>4</sub> is on Top / Right => meaning that O<sub>5</sub> is on Top / Center

	O <sub>5</sub>	X <sub>4</sub>
	O <sub>1</sub>	
X <sub>2</sub>	O <sub>3</sub>	O <sub>3</sub>

### Step 7 : O plays round 6

O <sub>6</sub>	O <sub>5</sub>	X <sub>4</sub>
	O <sub>1</sub>	

$X_2$	$O_3$	$O_3 O_6$
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Step 8 : X plays round 7

$O_6 X_7$	$O_5$	$X_4$
	$O_1$	
$X_2$	$O_3 X_7$	$O_3 O_6$

There is a new cycle  $X_7 \rightarrow O_3 \rightarrow O_6 \rightarrow O_3 \rightarrow X_7$

Step 9 : O Collapse Cycle

He choses  $O_3$  to be on Bottom / Center

$X_7$	$O_5$	$X_4$
	$O_1$	
$X_2$	$O_3$	$O_6$

And O win !