

1. Consider the composite game $N(12; 1, 2, 5) \oplus N(11; 1, 2, 3)$. Think of each square in the grid below as a position in the game— the row number is the position in first game and the column number that of the second game. Find the Grundy value of the initial position. Given the choice, do you move first or second in this game. If you choose first, what is your initial move?

	0	1	2	3	4	5	6	7	8	9	10	11
0												
1												
2												
3												
4												
5												
6												
7												
8												
9												
10												
11												
12												