

1. GCD
2. Hooks from 1 of the corners
3. Each hook has x x's (1-9)
4. Every 2 by 2 region has atleast 1 unfilled square
5. Makes up connected region

	5	1	6	1	8	1	22	7	8
55	5	5	X	X	X	5	5	X	X
1	X	9	9	9	9	X	9	X	8
6	X	X	6	X	4	4	4	7	8
1	X	9	X	4	3	X	X	X	8
24	X	9	6	X	3	1	2	X	X
3	X	9	X	X	3	X	2	7	X
6	X	9	6	6	6	6	X	7	8
7	X	7	X	7	X	7	X	7	X
2	5	8	X	8	8	8	X	X	X

$$\text{Ans} = 8 \times 3 \times 1 \times 3 \times 2 \times 1 \times 1 \times 1 \times 6 \times 1 \times 6 \times 3$$

$$= 15552$$