

no. 3

no. 2

Alice & Bob played

game

Famous
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possible pair $(x, y) = (1, 1), (3, 1), (1, 2), (3, 2)$

$(1, 1)$	Sum even	win B
$(1, 2)$	0	A
$(2, 1)$	0	A
$(2, 2)$	e	B
$(3, 1)$	e	B
$(3, 2)$	0	A

3
possible pair

$(x + y) \Rightarrow \text{odd}$ Alice

odd	Sum	Imp
$x: \text{even}$	$y: \text{odd}$	
$x: \text{odd}$	$y: \text{even}$	

$$m=3, \quad m=2$$

$$\underline{1}, \underline{2}, \underline{3}$$

$$\underline{1}, \underline{2}$$

$$\text{odd} = 2$$

$$\text{odd} = \underline{1}$$

$$\text{even} = 1$$

$$\text{even} = 1$$

$$\text{odd} = \frac{1.5}{2} = \lceil 1.5 \rceil = 2$$

$$\frac{0.5}{2} = \lceil 0.5 \rceil = 1$$

$$\text{even} = \frac{1.5}{2} = \lfloor 1.5 \rfloor = 1$$

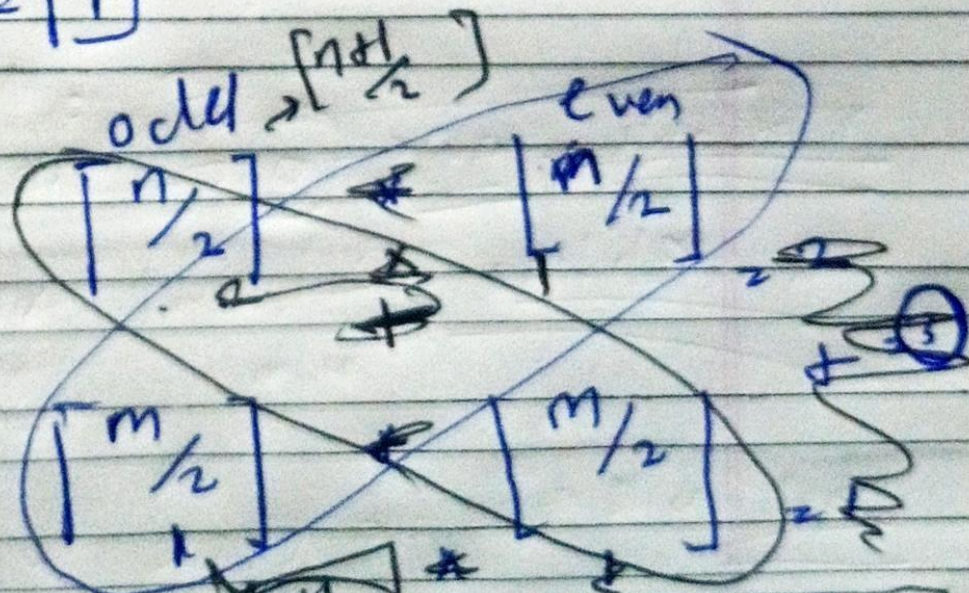
$$\frac{0.5}{2} = \lfloor 0.5 \rfloor = 0$$

$$x \rightarrow [1, n]$$

g.

$$y \rightarrow [1, m]$$

gmp



$$\left[\frac{n+1}{2} \right] \times \left[\frac{m+1}{2} \right] + \left[\frac{n}{2} \right] \times \left[\frac{m}{2} \right]$$