

Level 5



Beware!

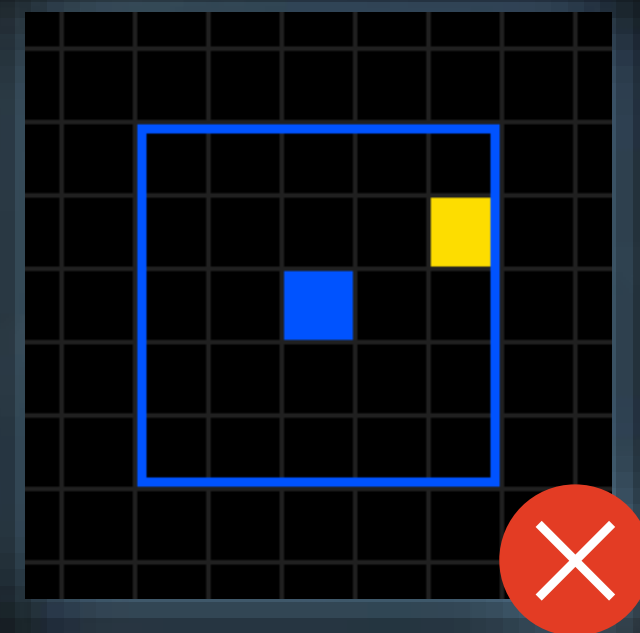
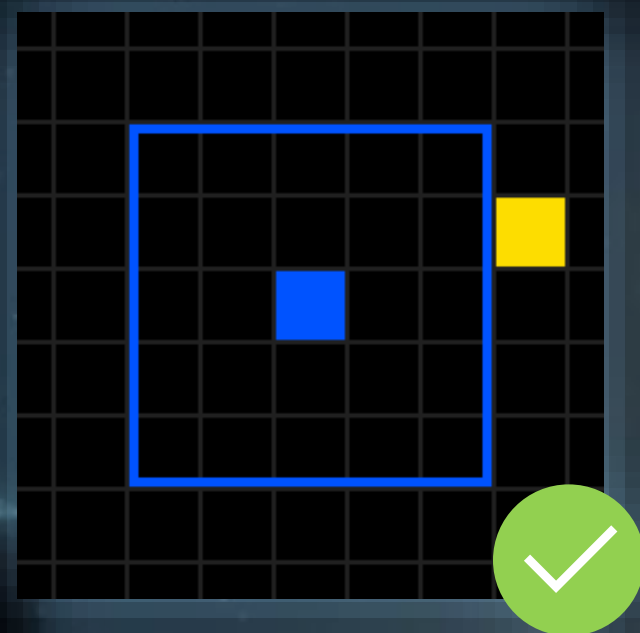
Here be Asteroid!

- You are given the position of exactly 1 stationary asteroid
- Steer your spaceship to the station
- **Your spaceship must not collide with the asteroid**
- Collisions are explained on the next slide
- *The given time limit is very generous; you don't need a fast solution*



Collisions

- The asteroid has a size of 1
- Your spaceship has a size of 1 as well.
However, it has a square shaped safety area with a radius of 2 around it
- If the asteroid penetrates this safety area, it counts as a collision



Input

Name		Description	Example
N		Number of cases	3
repeated N times	Space station and time limit	The X-position and the Y-position of the space station separated by a comma Followed by the time limit separated by a space	6,0 118 3,0 10,4 112 7,4
	Asteroid	The X-position and the Y-position of the asteroid separated by a comma	-7,-7 124 -4,-4

Output

Name		Description	Example
repeated N times	X-Sequence		<pre>0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 5 4 3 3 4 5 0 0 5 4 5 0 -5 -4 -5 0</pre>
	Y-Sequence		<pre>0 5 4 3 2 1 1 2 3 4 5 0 5 4 4 5 0</pre>
			<pre>0 -5 -4 -3 -2 -3 -4 -5 0 -5 -4 -3 -2 -3 -4 -5 0</pre>
	<i>Optional empty line</i>		

format identical to previous level

Good Luck!



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CODING
CONTEST

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