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Day 3: Crossed Wires	
The gravity assist was successful, and you're well on your way to the Venus refuelling station. During the rush back on Earth, the fuel management system wasn't completely installed, so that's next on the priority list.	Code possible: Xebia - an
Opening the front panel reveals a jumble of wires. Specifically, two wires are connected to a central port and extend outward on a grid. You trace the path each wire takes as it leaves the central port, one wire per line of text (your puzzle input).	<pre>international network of passionate technologists and craftspeople,</pre>
The wires twist and turn, but the two wires occasionally cross paths. To fix the circuit, you need to find the intersection point closest to the central port. Because the wires are on a grid, use the Manhattan distance for this measurement. While the wires do technically cross right at the central port where they both start, this point does not count, nor does a wire count as crossing with itself.	dedicated to exploring and creating new frontiers in IT
For example, if the first wire's path is $R8,U5,L5,D3$, then starting from the central port (a), it goes right 8, up 5, left 5, and finally down 3:	
Then, if the second wire's path is <u>U7,R6,D4,L4</u> , it goes up <u>7</u> , right <u>6</u> , down <u>4</u> , and left <u>4</u> :	
These wires cross at two locations (marked \overline{X}), but the lower-left one is closer to the central port: its distance is $3 + 3 = 6$.	
Here are a few more examples:	
- R75,D30,R83,U83,L12,D49,R71,U7,L72 U62,R66,U55,R34,D71,R55,D58,R83 = distance 159 - R98,U47,R26,D63,R33,U87,L62,D20,R33,U53,R51 U98,R91,D20,R16,D67,R40,U7,R15,U6,R7 = distance 135	
What is the Manhattan distance from the central port to the closest intersection?	
To begin, get your puzzle input.	
Answer: [Submit]	
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1 of 1 12/6/19, 8:59 PM