```
Advent of Code [About] [Events] [Shop] [Settings] [Log Out] mavincci 4*
  <y>2019</y> [Calendar] [AoC++] [Sponsors] [Leaderboard] [Stats]
```

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.

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).

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 wire count as crossing with itself.

For example, if the first wire's path is R8,U5,L5,D3, then starting from the central port (o), it goes right 8, up 5, left 5, and finally down 3:

Play Advent of loot in TwilioQuest, a developer RPG for JavaScript, Python, git, APIs

WhatsApp, and much more.



Then, if the second wire's path is U7,R6,D4,L4, it goes up 7, right 6, down 4, and left 4:



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

To begin, get your puzzle input.

intersection?

Answer: Submit [Submit]

You can also [Share] this puzzle.