Consider again the example seed-to-soil map: 50 98 2 52 50 48 same length, but it starts at 50, so its two values are 50 and 51. With this information, you know that seed number 98 corresponds to soil number

50 and that seed number 99 corresponds to soil number 51.

number. So, seed number 10 corresponds to soil number 10.

seed number 53 corresponds to soil number 55.

51

96

97

98

99

53

98

99

50

51

seed number:

seed numbers?

So, the entire list of seed numbers and their corresponding soil numbers looks like this: soil seed 48 48 49 49 50 52

With this map, you can look up the soil number required for each initial

The second line means that the source range starts at 50 and contains 48

Any source numbers that aren't mapped correspond to the same destination

values: 50, 51, ..., 96, 97. This corresponds to a destination range

starting at 52 and also containing 48 values: 52, 53, ..., 98, 99. So,

- Seed number 13 corresponds to soil number 13. The gardener and his team want to get started as soon as possible, so they'd like to know the closest location that needs a seed. Using these maps, find the lowest location number that corresponds to any of the initial seeds. To do this, you'll need to convert each seed number through other categories until you can find its corresponding location number. In this example, the corresponding types are: - Seed 79, soil 81, fertilizer 81, water 81, light 74, temperature 78, humidity 78, location 82. - Seed 14, soil 14, fertilizer 53, water 49, light 42, temperature 42, humidity 43, location 43. - Seed 55, soil 57, fertilizer 57, water 53, light 46, temperature 82,

So, the lowest location number in this example is 35.

humidity 82, location 86.

humidity 35, location 35.

Your puzzle answer was 174137457.

values: 55, 56, ..., 66, 67.

- Seed number 79 corresponds to soil number 81.

- Seed number 14 corresponds to soil number 14.

- Seed number 55 corresponds to soil number 57.

the range. So, in the first line of the example above: seeds: 79 14 55 13 This line describes two ranges of seed numbers to be planted in the garden.

Now, rather than considering four seed numbers, you need to consider a total of 27 seed numbers. In the above example, the lowest location number can be obtained from seed number 82, which corresponds to soil 84, fertilizer 84, water 84, light 77 , temperature 45, humidity 46, and location 46. So, the lowest location number is 46.

Consider all of the initial seed numbers listed in the ranges on the first

--- Part Two ---Everyone will starve if you only plant such a small number of seeds. Rereading the almanac, it looks like the seeds: line actually describes ranges of seed numbers. The values on the initial seeds: line come in pairs. Within each pair, the

first value is the start of the range and the second value is the length of

The first range starts with seed number 79 and contains 14 values: 79, 80,

..., 91, 92. The second range starts with seed number 55 and contains 13

- Seed 13, soil 13, fertilizer 52, water 41, light 34, temperature 34,

What is the lowest location number that corresponds to any of the initial

The first half of this puzzle is complete! It provides one gold star: *

line of the almanac. What is the lowest location number that corresponds to any of the initial seed numbers? Answer:

Although it hasn't changed, you can still get your puzzle input. You can also [Share] this puzzle.