

Day 5: Cafeteria

The database operates on **ingredient IDs**. It consists of a list of **fresh ingredient ID ranges**, a blank line, and a list of **available ingredient IDs**.

The fresh ID ranges are **inclusive**: the range 3-5 means that ingredient IDs 3, 4, and 5 are all **fresh**. The ranges can also **overlap**; an ingredient ID is fresh if it is in **any** range.

How many of the available ingredient IDs are fresh?

Answer: 798

Part Two

So that they can stop bugging you when they get new inventory, the Elves would like to know **all** of the IDs that the **fresh ingredient ID ranges** consider to be **fresh**.

How many ingredient IDs are considered to be fresh according to the fresh ingredient ID ranges?

Answer: 366181852921027