Day 3: Lobby

The batteries are each labeled with their joltage rating, a value from 1 to 9.

Within each bank, you need to turn on **exactly two** batteries; the joltage that the bank produces is equal to the number formed by the digits on the batteries you've turned on.

Find the maximum joltage possible from each bank; what is the total output joltage?

Answer: 17408

Part Two

Now, you need to make the largest joltage by turning on **exactly twelve** batteries within each bank.

What is the new total output joltage?

Answer: 172740584266849