## \*Build a Wall

Write a program that keeps track of the construction of a **30-foot** wall. You will be given an **array of strings** that must be **parsed** as **numbers**, representing the initial height of mile-long sections of the wall, in feet. Each section has its construction crew that can **add 1** foot of height per day by using 195 cubic yards of concrete. All crews work simultaneously (see examples), meaning all sections that aren't completed (are less than 30 feet high) **grow** by 1 foot every day. When a section of the wall is complete, its crew is relieved.

Your program needs to keep track of how much concrete is used **daily** until the completion of the entire wall. In the end, print on a single line, separated by comma and space, the amount of **concrete** used each **day**, and on a second line, the **final cost** of the wall. One cubic yard of concrete costs **1900** pesos.

### Input

Your program will receive an **array of strings** representing **numbers as a parameter**.

### Output

Print on the console on **one line** the **amount of concrete used each day separated by comma and space**, and on a **second line**, the **final cost** of the wall.

### Constraints

* The wall may contain up to 2000 sections (2000 elements in the initial array)
* Starting height for each section is within the range [0…30]

### Examples

|  |  |
| --- | --- |
| **Input** | **Output** |
| [21, 25, 28] | **585, 585, 390, 390, 390, 195, 195, 195, 195**  **5928000 pesos** |

### Explanation

On the first day, all **three** crews work, each adding 1 **foot** to their section, 585 cubic yards total (3 x 195). On the second day, it's the same with the last section reaching 30 feet and its crew being **relieved** (marked in red while they don't work). On the third day, only **two** crews work, using up 390 cubic yards total. This continues for 2 more days, with the second section reaching 30 feet. In the remaining 4 days, only 1 crew works, using 195 cubic yards every day. Over the entire period, 3120 cubic yards of concrete were used, costing 5'928'000 pesos. And that was for just 3 miles, imagine 2000!

|  |  |
| --- | --- |
| **Starting** | **[21, 25, 28]** |
| **Day 1** | **[22, 26, 29]** |
| **Day 2** | **[23, 27, 30]** |
| **Day 3** | **[24, 28, 30]** |
| **Day 4** | **[25, 25, 30]** |
| **Day 5** | **[26, 30, 30]** |
| **Day 6** | **[27, 30, 30]** |
| **Day 7** | **[28, 30, 30]** |
| **Day 8** | **[29, 30, 30]** |
| **Day 9** | **[30, 30, 30]** |

|  |  |
| --- | --- |
| **Input** | **Output** |
| [17] | **195, 195, 195, 195, 195, 195, 195, 195, 195, 195, 195, 195, 195**  **4816500 pesos** |

|  |  |
| --- | --- |
| **Input** | **Output** |
| [17, 22, 17, 19, 17] | **975, 975, 975, 975, 975, 975, 975, 975, 780, 780, 780, 585, 585**  **21489000 pesos** |