## 4.Radio Crystals

You need to write a JS program that monitors the **current thickness** of the crystal and recommends the next procedure that will bring it closer to the desired frequency. To **reduce** waste and the time it takes to make each crystal your program needs to **complete** the process with the **least number of operations**. **Each operatio**n takes the **same amount of time**, but since they are done at different parts of the factory, the crystals have to be transported and thoroughly washed **every time** an operation **different** from the previous must be performed, so this must also be taken into account. When **determining** the order, always attempt to start from the operation that **removes** the largest amount of material.

The different operations you can perform are the following:

* Cut – cuts the crystal in 4
* Lap – removes 20% of the crystal’s thickness
* Grind – removes 20 microns of thickness
* Etch – removes 2 microns of thickness
* X-ray – increases the thickness of the crystal by 1 micron; this operation can only be done once!
* Transporting and washing – removes any imperfections smaller than 1 micron (round down the number); do this after every batch of operations that remove material

At the beginning of your program, you will receive a number representing the desired **final thickness** and a series of **numbers**, representing the thickness of crystal ore in microns. Process each chunk and **print** to the console the order of **operations** and the **number** of times they need to be **repeated** to bring them to the desired thickness.

The **input** comes as a numeric array with a variable number of elements. The **first number** is the **target** thickness and **all following numbers** are the thickness of **different chunks** of quartz ore.

The **output** is the order of operation and how many times they are repeated, every operation on a new line. See the examples for more information.

### Examples

|  |  |
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| **Input** | **Output** |
| [1375, 50000] | Processing chunk 50000 microns  Cut x2  Transporting and washing  Lap x3  Transporting and washing  Grind x11  Transporting and washing  Etch x3  Transporting and washing  X-ray x1  Finished crystal 1375 microns |
| [1000, 4000, 8100] | Processing chunk 4000 microns  Cut x1  Transporting and washing  Finished crystal 1000 microns  Processing chunk 8100 microns  Cut x1  Transporting and washing  Lap x3  Transporting and washing  Grind x1  Transporting and washing  Etch x8  Transporting and washing  Finished crystal 1000 microns |