# Problem 2 – Drum set

Gabsy is Orgolt's Final Revenge charming drummer. She has a drum set but the different drums have different origins – some she bought, some are gifts, so they are all with **different quality**. Every day she practices on each of them, so she does damage and reduces the drum`s quality. Sometimes a drum brakes, so she needs to buy new one. Help her keep her drum set organized.

You will receive Gabsy's **savings**, the money she can spend on new drums. Next you receive a **sequence** **of integers** which represent the **initial quality** of each drumin Gabsy's drum set.

Until you receive the command **"Hit it again, Gabsy!"**, you will be receiving integer: the **hit power** Gabsy applies **on each drum** while practicing. When the power is applied you should **decrease** the value of the drum's quality with the current power.

When a certain drum **reaches 0 quality**, it breaks. Then Gabsy should buy a replacement.She needs to buy the exact same model. Therefore, its quality will be **the same as the initial quality** of the broken drum. The price is calculated by the formula: {initialQuality} \* 3. Gabsy will always replace her broken drums **until the moment she can no longer afford it**. If she doesn't have enough money for a replacement, the broken drum is **removed** from the drum set.

When you receive the command **"Hit it again, Gabsy!"**,the program ends and you should print the current state of the drum set. On the second line you should print the **remaining money** in Gabsy's savings account.

## Input

* On the **first line** you receive the **savings** – a floating-point number;
* On the **second line** you recieve the **drum set**: **sequence** of **integers**, **separated** by **spaces**.
* Until you receive the command **"Hit it again, Gabsy!"** you will be receiving **integers** – the hit power Gabsy applies on each drum.

## Output

* On the first line you should print **each drum** in the drum set, **separated** by **space**.
* Then you must print the **money** that are left on the **second line** in the format "Gabsy has {money left}lv.", formatted with two digits after the decimal point.

## Constraints

* The **savings – floating-point number in the range [0.00, 10000.00]**
* The **quality of each drum in the drum set** – integer in the range **[1, 1000]**.
* The **hit** **power** will be in the **range [0, 1000]**
* Allowed working **time** / **memory**: **100ms** / **16MB**.

## Examples

|  |  |  |
| --- | --- | --- |
| **Input** | **Output** | **Comment** |
| 1000.00  58 65 33  11  12  18  10  Hit it again, Gabsy! | 7 14 23  Gabsy has 901.00lv. | DrumSet – 58 65 33.  Day 1: hit power applied = 11 => 47 54 22;  Day 2: hit power applied = 12 => 35 42 10;  Day 3: hit power applied = 18 => 17 24 -8;  The third drum breaks. But Gabsy has enough savings so she replaces it => 17 24 33;  Day 4: hit power applied = 10 => 7 14 23;  We print the current state of the drum set and what's left in Gabsy's bank account. |
| 154.00  55 111 3 5 8 50  2  50  8  23  1  Hit it again, Gabsy! | 27 2 4 7  Gabsy has 10.00lv. |  |