You want to order $n$ pizzas from the famous *Cube’s* chain. Their prices are $x\_{1}, x\_{2}, … , x\_{n}$ BGN.

*Cube's* offers 2 discounts:

1. "Buy 2 pizzas and pay only 60% of the original price of the cheaper one"
2. "Buy 3 pizzas and pay only 5 BGN for the cheapest"

Each pizza can be purchased individually or a part of one discount. You want to combine the discounts in such a way that you pay the least amount of money in total.

 **Input**

The first line of the file **pizza.in** contains the number$ n$ and the second line contains$ n$ numbers - $x\_{1}, x\_{2}, … , x\_{n}$

 **Output**

Print the minimal possible cost in the file **pizza.out**. The answer will be considered as correct if the absolute or relative error is $\leq 10^{-9}$

**Constraints**

$$1\leq n\leq 100 000$$

$5\leq x\_{i}\leq 50$, $x\_{i} $has at most 1 decimal digit

**Time limit: 0.8 sec.**

 **Memory limit: 256 MB.**

**Sample test**

|  |  |
| --- | --- |
| **Input (pizza.in)** | **Output (pizza.out)** |
| 510.5 10.5 10.5 10.5 10.5 | 42.8 |