Problem 1 – Gladiator Expenses

As a gladiator, Pesho has to repair his broken equipment when he loses a fight. His equipment consists of helmet, sword, shield and armor. You will receive the Pesho`s **lost fights count**.

Every **second** lost game, his helmet is broken.

Every **third** lost game, his sword is broken.

When both **his sword and helmet are broken** in the same lost fight, his **shield also brakes**.

Every second time, when his shield brakes, his armor also needs to be repaired.

You will receive the price of each item in his equipment. Calculate his expenses for the year for renewing his equipment.

Input / Constraints

You will receive 5 parameters to your function:

- First parameter – **lost fights count** – integer in the range **[0, 1000]**.
- Second parameter – **helmet price** - floating point number in range **[0, 1000]**.
- Third parameter – **sword price** - floating point number in range **[0, 1000]**.
- Fourth parameter – **shield price** - floating point number in range **[0, 1000]**.
- Fifth parameter – **armor price** - floating point number in range **[0, 1000]**.

Output

- As output you must print Pesho`s total expenses for new equipment: **"Gladiator expenses: {expenses} aureus"**
- Allowed working **time** / **memory**: **100ms** / **16MB**.

Examples

Input	Output	Comment
7 2 3 4 5	Gladiator expenses: 16.00 aureus	Trashed helmet -> 3 times Trashed sword -> 2 times Trashed shield -> 1 time Total: 6 + 6 + 4 = 16.00 aureus;
23 12.50 21.50 40 200	Gladiator expenses: 608.00 aureus	

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