Problem H
The Definition of Doom

Time limit: **3 seconds**
Memory limit: **1024 megabytes**

Problem Description

Sunlight slid over the window ledge and splashed across Jimmy's phone, trying to drown out the nonstop ping of notifications.

When the phone finally buzzed, he was still half-asleep, lost in Jay Chou's song he couldn't name—just a tune that clung like a love that wouldn't let go.

Reality, though, had no soundtrack. Only the low rumble of his boss coming through the speaker.

"Thought today was a typhoon day off, did you?"

He jumped up from the bed, cracked his forehead on the nightstand. The alarm clock flipped onto its back, its screen faced towards the ceiling, like it was laughing at how fast he' d wrecked his own morning.

"8:39. That's how late you are."

His shirt was wrinkled, hair was sticking out like he'd wrestled a pillow-the perfect debut for his first day in the new department.

While he walked into the meeting room, his hands were still forcefully fixing his hair, making people think he wanted to rip it all out.

And there she was: Dorris, his ex-girlfriend, was giving a briefing to his supervisor.

"I'm the project lead from the outsourcing firm," she said with a polite, breezy smile—the kind you'd use to talk about the weather, but to Jimmy, that smile was more dangerous than any storm outside. "From today on, we'll be seeing each other a lot. Nice to work with you, Jimmy. :)"

She was holding a cup of brown sugar pearl milk tea, as sweet as the memories of the days they were together. He could still taste that sweetness, a flavor he'd once chased down himself.

He introduced himself like a malfunctioning robot, eyes flicking anywhere but her face. The supervisor's stare was razor-sharp; low chuckles came from the back. He pretended not to hear.

He couldn't even remember sitting down.

By lunch he'd retreated to the break room with last night's take-out fried rice-the cheap frozen kind with peas, corn and carrots. Bright on the plate, joyless on the tongue.

He punched his fried rice too long in the microwave. The box exploded like a tiny bomb, coating the inside with a "museum of oily rice grains."

And of course, “she” showed up in the doorway.

Dorris took in the mess, the corner of her mouth lifting-half a smile, maybe, maybe not.

The afternoon presentation never got off the ground. His laptop crashed mid-slide, screen black. The team lead frowned. The air turned heavy, thick like the moment before a summer storm. Jimmy forced a dry laugh and stumbled through a report he even couldn’t stand.

Back home, he collapsed into the couch and let Monday swallow him whole.

Through the blinds a slice of night leaked in. He didn’t bother with the lights. In the dark, her words replayed: “From today on, we’ll be seeing each other a lot.”

One day: an alarm that never went off, a file he forgot to save, a lunch that detonated, and an ex who reappeared.

Jimmy figured, if doom had a definition, this was it.

Jimmy opened the fridge and found that tomorrow’s lunch would still be fried rice with peas, corn and carrots. Not wanting to embarrass himself again, he decided to calculate the meal’ s calories in advance. He’s asking you to write a program to help him figure it out.

Input Format

Your program is to read from standard input. The input consists of N test cases. The number of test cases N is given in the first line of the input, and it guarantees that $1 \leq N \leq 1,000,000$. Each test case includes the kilocalories, k, per 100 grams of the fried rice with peas, corn and carrots, and the actual weight, w, of the fried rice, where $50 \leq k, w \leq 1,000,000$.

Output Format

Your program is to write to standard output. Print exactly one line for each test case. The line is to contain an integer T, which presents the total kilocalories of fried rice.

Note. Please use “float”.

Technical Specification

- $1 \leq N \leq 1,000,000$
- $50 \leq k, w \leq 1,000,000$
- You may assume all the input values are all integer numbers.

Sample Input 1

```
5
150 420
199 50
380 780
455 570
```

Sample Output 1

```
630.0
99.5
2964.0
2593.5
6832.8
```

```
520 1314
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