

Task: ARA

A times B

BOI 2025, Day 0. Available memory: 256 MB.

2025.04.25



Denna uppgift är designad för att få dig att bli bekant med SIO2 systemet.

Input

Första raden består av ett heltal t , antalet testfall.

De kommande t raderna beskriver ett testfall var.

Den i :te raden består av två positiva heltal a_i och b_i .

Output

På den i :te raden i utdatan, skriv resultatet av $a_i \cdot b_i$.

Example

For the input data:

2
1 1
3 5

the correct result is:

1
15

Explanation of the example: We have $1 \cdot 1 = 1$ and $3 \cdot 5 = 15$.

Scoring

Subtask	Constraints	Points
1	$1 \leq t \leq 5, 1 \leq a_i, b_i \leq 5$	25
2	$1 \leq t \leq 1000, 1 \leq a_i, b_i \leq 1000$	20
3	$1 \leq t \leq 10^6, 1 \leq a_i, b_i \leq 10^9$	25
4	$1 \leq t \leq 1000, 1 \leq a_i, b_i \leq 10^{18}$	15
5	$1 \leq t \leq 10^6, 1 \leq a_i, b_i \leq 10^{18}$	15

Hint: In C++, the standard contest compiler provides a 128-bit signed integer type called `__int128`. Note that values of this type cannot be read from or printed to standard input/output in the usual way – you need to implement this yourself.

As a reminder, it's worth reviewing:

- the subtask table and memory limit provided in the problem statement,
- the submission limit for the problem (**50**) and the rule that the score for each subtask is the highest of all submissions,
- the **Test run** section and the limit (**50**) on the number of test runs per problem,
- the **Downloads** section, which includes time limits and other files,
- the **Questions and news** section,
- how the `submit` script works.