Base Conversion

oj.dcs.upd.edu.ph/problem/baseconversion

Problem Statement

Given three digits d0d_0, d1d_1, and d2d_2 and a base bb, what is the value of the number (d2d1d0)b $(d_2 d_1 d_0)_b$ in base 1010?

Task Details

Your task is to implement a function named `convert`, which should look like this:

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```
def convert(d0, d1, d2, b):
    return ...
```

Here, you only need to replace the `...` part with a **Python expression**.

The function must return an integer denoting the answer.

Your source code must have at most 100100 bytes.

Examples

Example 1 Function Call

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```
convert(1, 2, 3, 10)
```

Example 1 Return Value

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```
321
```

Constraints

- The function `convert` will be called at most 10410^4 times.
- $0 \le d0,d1,d2 \le \min(9,b-1)$

- $2 \leq b \leq 10^{20}$

Scoring

Note: New tests may be added and all submissions may be rejudged at a later time. (All future tests will satisfy the constraints.)

- You get 50 ❤️ points if you solve all test cases where:
  - $b = 10$
- You get 50 ❤️ points if you solve all test cases where:
  - $b = 16$
- You get 50 ❤️ points if you solve all test cases where:
  - $d_0 = d_1 = d_2$
- You get 50 ❤️ points if you solve all test cases where:
  - $b \leq 10$
- You get 100 ❤️ points if you solve all test cases.

Report an issue

Clarifications

No clarifications have been made at this time.