[CS 11 25.1] HOPE 3 – Paintings

Cheatsheet is available here: https://oj.dcs.upd.edu.ph/cs11cheatsheet/

✔ **Points:** 135 (partial)
🕐 **Time limit:** 8.0s
🖥 **Memory limit:** 2G

❯ **Problem type**

⌄ **Allowed languages**
   py3

Problem Statement

(Don't do this at home!)

You are at the Loovr, and in front of you is n paintings lined up in a row, numbered 0 to $n - 1$.

Each painting is worth millions of dollars, and as the art connoisseur you are, you want to take some of these paintings home.

To not make your act obvious, you don't want to take two consecutive paintings.

If you choose which paintings you take home carefully, what is the most amount of money (in millions of dollars) you can make?

Task Details

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

```
def most_money(paintings):
```

Here, `paintings` is a sequence of integers denoting how much the paintings are worth (in millions of dollars), in order from left to right.

The function must return an integer denoting the most amount of money you can make from the paintings you take.

Restrictions

Your source code must have at most $1,000$ bytes.

Examples

Example 1 Function Call

```
most_money((1, 2, 3, 4, 5))
```

Example 1 Return Value

```
9
```

Constraints

- The function `most_money` will be called at most $70,000$ times.
- $1 \leq n \leq 350,000$
- The sum of n across all calls to `most_money` will be $\leq 350,000$.
- Each painting has a positive integer value at most 10^{10} (in millions of dollars).

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 65 🔴 points if you solve all test cases where:
  - $n \leq 20$
  - The sum of n across all calls to `most_money` will be ≤ 100.
- You get 45 🔴 points if you solve all test cases where:
  - $n \leq 400$
  - The sum of n across all calls to `most_money` will be ≤ 800.
- You get 25 🔴 points if you solve all test cases.

❓ Clarifications

Report an issue

No clarifications have been made at this time.