Optimal Currency

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✨ Problem Statement

In Indian Currency notes and coins are available from Rs. 1, Rs. 2, Rs. 5, Rs. 10, Rs. 20, Rs. 50, Rs. 100, Rs. 200, Rs. 500, and Rs. 2000. A person saves a valid amount not exceeding a sum of Rs. 25000 with least number of notes or coins. Write a program to determine the number of notes or coins when the total saving amount is given. IT will display “Error” for any invalid cause of the program.

✨ Input Format

An Integer representing the valid amount.

✨ Output Format

10 space separated integers representing the frequency of the denomination respectively for Rs. 2000, Rs. 500, Rs. 200, Rs. 100, Rs. 50, Rs. 20, Rs. 10, Rs. 5, Rs. 2, Rs. 1.

✨ Constraints

A valid amount is always greater than zero.

✨ Time Limit2 secs.Each test case should pass in 2 secs.✨ Sample Input1788✨ Sample Output0 3 1 0 1 1 1 1 1 1✨ Real Testcases

| **No.** | **IP** | **OP** |
| --- | --- | --- |
| 1 | 1788 | 0 3 1 0 1 1 1 1 1 1 |
| 2 | 13 | 0 0 0 0 0 0 1 0 1 1 |
| 3 | -9 | Error |
| 4 | 27588 | Error |
| 5 | 2888 | 1 1 1 1 1 1 1 1 1 1 |

✨ Tags

 Array

CLOSE