MD5 (*Message-Digest algorithm 5*) is a widely-used cryptographic hash function with a 128-bit hash value. Here are some common uses for *MD5*:

- To store a one-way hash of a password.
- To provide some assurance that a transferred file has arrived intact.

MD5 is one in a series of message digest algorithms designed by Professor Ronald Rivest of MIT (Rivest, 1994); however, the security of *MD5* has been severely compromised, most infamously by the Flame malware in 2012. The *CMU Software Engineering Institute* essentially considers *MD5* to be "cryptographically broken and unsuitable for further use".

Given an alphanumeric string, s, denoting a password, compute and print its *MD5* encryption value.

Input Format

A single alphanumeric string denoting s.

Constraints

- $6 \leq |s| \leq 20$
- String s consists of English alphabetic letters (i.e., $[a - zA - Z]$ and/or decimal digits (i.e., 0 through 9) only.

Output Format

Print the *MD5* encryption value of s on a new line.

Sample Input 0

```
HelloWorld
```

Sample Output 0

```
68e109f0f40ca72a15e05cc22786f8e6
```

Sample Input 1

```
Javarmi123
```

Sample Output 1

```
2da2d1e0ce7b4951a858ed2d547ef485
```