**Oppenheimer - 1**

Max Score: 7

Hiroto has been tricked! His friend has given him a bomb, and the timer is going down by the second. Luckily, the bomb appears to have a string of hexadecimal digits that seem to be the numbers that defuse the bomb. Unfortunately, the bomb only accepts binary numbers.

* Convert the defuse code from hexadecimal into binary.

**Input Format**

*hexadecimal*, a string containing the hexadecimal code to be changed

**Constraints**

No constraints

**Output Format**

*binary*, a string of binary numbers in nibbles, as in output should be in multiple of 4

**Sample Input 0**

A

**Sample Output 0**

1010

**Sample Input 1**

FF

**Sample Output 1**

11111111

**Sample Input 2**

0

**Sample Output 2**

0000