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Reverse Bits

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Reverse the bits of an 32 bit unsigned integer A.

Input Format:

First and only argument of input contains an integer A

Output Format:

return a single unsigned integer denoting minimum xor value

Constraints:

$$0 \leq A < 2^{32}$$

For Examples :

Example Input 1:

A = 0

Example Output 1:

0

Explanation 1:

00000000000000000000000000000000
=> 00000000000000000000000000000000

Example Input 2:

A = 3

Example Output 2:

3221225472

Explanation 2:

00000000000000000000000000000011
=> 11000000000000000000000000000000

Since java does not have unsigned int, use long