[**A Game of LCM**](https://practice.geeksforgeeks.org/problems/a-game-of-lcm2531/1)

Given an integer N. Find maximum LCM (Least Common Multiple) that can be obtained from four numbers less than or equal to N.  
Note: Duplicate numbers can be used.

**Example 1:**

**Input:**

N = 4

**Output:** 12

**Explanation:**

The four numbers can be [4,4,3,2] or

[4,4,4,3], etc. It can be shown that 12 is

the maximum LCM of four numbers that can

be obtained from numbers less than or equal

to 4.

**Example 2:**

**Input:**

N = 5

**Output:** 60

**Explanation:**

The four numbers can be [5,5,4,3] or

[5,4,3,2], etc. 60 is the maximum that can

be obtained.

**Your Task:**  
You don't need to read input or print anything. Your task is to complete the function **maxGcd()** which takes N as the input parameter and returns the maximum LCM that can be obtained from four numbers less than or equal to N.

**Expected Time Complexity:**O( Log2(max(N)) )  
**Expected Auxillary Space:**O(1)

**Constraints:**  
2 ≤ N ≤ 104