Transitive LCM

Input file:	`standard input`
Output file:	`standard output`
Time limit:	1 second
Memory limit:	256 megabytes

Arpan recently studied about the Lowest common multiple. He is obsessed with equivalence sets and theorizes the following:
Let R be a relation defined as:

$$R = \{(x, y) : LCM(x, y) = xy, x, y \in \mathcal{N}\}$$

Then R is a transitive relation. That is, for every 2 tuples $(a, b), (b, c) \in R$, the tuple $(a, c) \in R$.
To disprove the above, you need to generate three distinct numbers $a, b, c (a < b < c)$ such that the above is falsified. Because of Arpan's autocracy, you can generate these numbers only in the inclusive range $[l, r]$

Input

The input contains 2 space-separated integers l and $r (1 \leq l < r \leq 10^{18})$.

Output

The output must contain 3 space-separated integers a, b and c denoting the answer above. If there are multiple answers, print the one with the lowest $a + b + c$ value.
If there is no answer in the given range, print a single integer -1.

Example

standard input	standard output
2 4	2 3 4