

264. Ugly Number II

Difficulty : Medium

<https://leetcode.com/problems/ugly-number-ii>

An **ugly number** is a positive integer whose prime factors are limited to 2, 3, and 5.

Given an integer n , return *the n^{th} ugly number*.

Example 1:

Input: $n = 10$

Output: 12

Explanation: [1, 2, 3, 4, 5, 6, 8, 9, 10, 12] is the sequence of the first 10 ugly numbers.

Example 2:

Input: $n = 1$

Output: 1

Explanation: 1 has no prime factors, therefore all of its prime factors are limited to 2, 3, and 5.

Constraints:

- $1 \leq n \leq 1690$