Given the **API** rand7() that generates a uniform random integer in the range [1, 7], write a function rand10() that generates a uniform random integer in the range [1, 10]. You can only call the API rand7(), and you shouldn't call any other API. Please **do not** use a language's built-in random API.

Each test case will have one **internal** argument n, the number of times that your implemented function rand10() will be called while testing. Note that this is **not an argument** passed to rand10().

**Example 1:**

Input: n = 1  
Output: [2]

**Example 2:**

Input: n = 2  
Output: [2,8]

**Example 3:**

Input: n = 3  
Output: [3,8,10]

**Constraints:**

* 1 <= n <= 105

**Follow up:**

* What is the [expected value](https://en.wikipedia.org/wiki/Expected_value) for the number of calls to rand7() function?
* Could you minimize the number of calls to rand7()?