Problem 1447: Simplified Fractions

Problem Information

Difficulty: Medium
Acceptance Rate: 69.15%
Paid Only: No
Tags: Math, String, Number Theory

Problem Description

Given an integer `n`, return _a list of all**simplified** fractions between _`0` _and_`1`
(exclusive) such that the denominator is less-than-or-equal- to`n`. You can return the
answer in **any order**.

Example 1:

Input: n = 2 **Output:** ["1/2"] **Explanation:** "1/2" is the only unique fraction with a
denominator less-than-or-equal-to 2.

Example 2:

Input: n = 3 **Output:** ["1/2","1/3","2/3"]

Example 3:

Input: n = 4 **Output:** ["1/2","1/3","1/4","2/3","3/4"] **Explanation:** "2/4" is not a
simplified fraction because it can be simplified to "1/2".

Constraints:

* `1 <= n <= 100`

Code Snippets

C++:

```cpp
class Solution {
public:
vector<string> simplifiedFractions(int n) {


}
};
```

Java:

```java
class Solution {
public List<String> simplifiedFractions(int n) {


}
}
```

Python3:

```python
class Solution:
def simplifiedFractions(self, n: int) -> List[str]:
```