

CS 3250: Software Testing (Fall 2025)

POTD 5: Graph for source code (Data flow) – fizzBuzz – solution

Due 16-Oct-2025, 11:00am EST

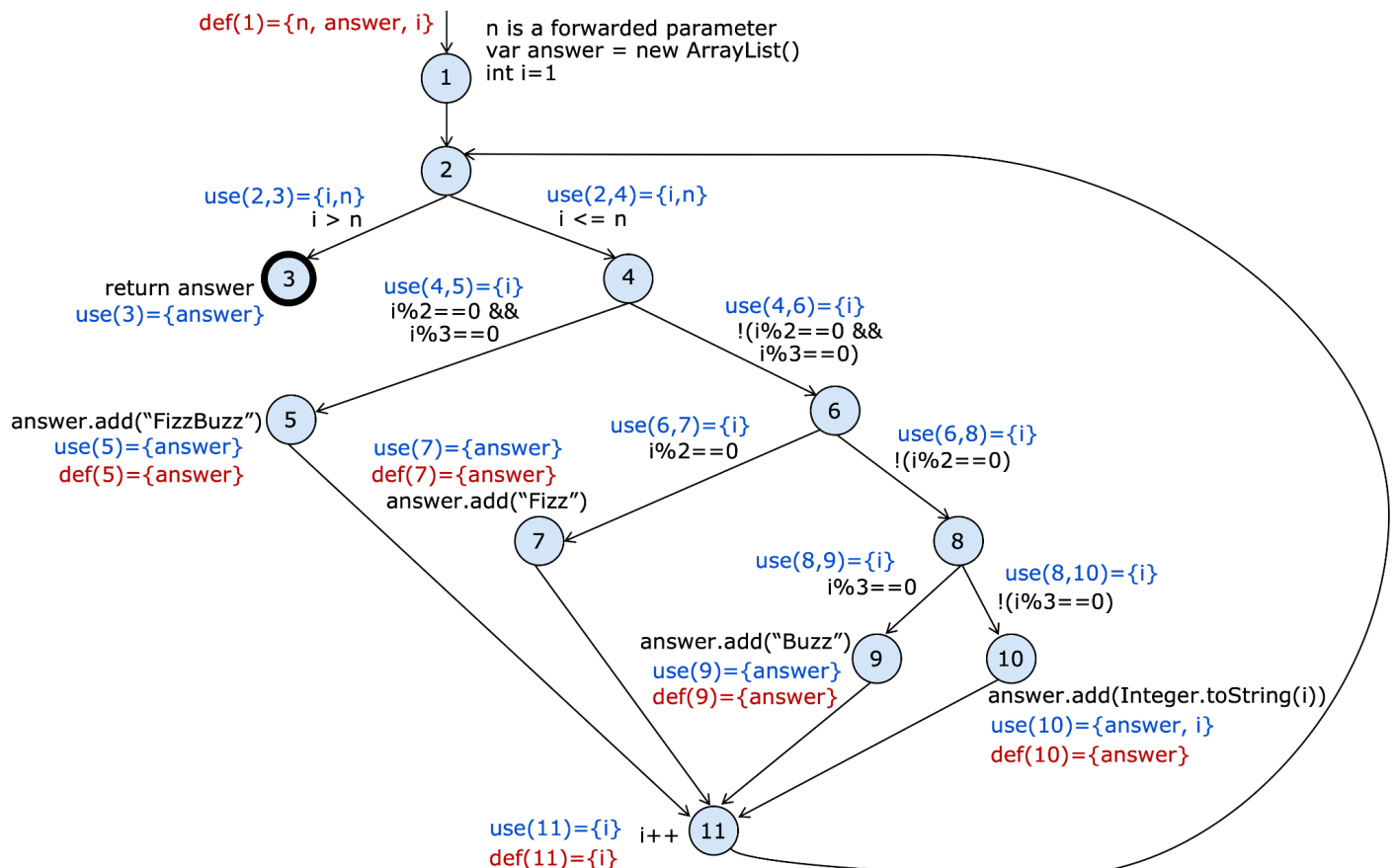
Purpose: Create graph representation for source code; apply data flow graph coverage to source code; get ready for assignment 4; prepare for quiz 3 and the final exam

You may make a copy of a worksheet and complete this activity, or type your answers in any text editor. You may work alone or with another student in this course (max team size=2).

Consider the following Java method

```
public static List<String> fizzBuzz(int n)
{
    var answer = new ArrayList();
    for (int i = 1; i <= n; i++)
    {
        if (i % 2 == 0 && i % 3 == 0)
            answer.add("FizzBuzz");
        else if (i % 2 == 0)
            answer.add("Fizz");
        else if (i % 3 == 0)
            answer.add("Buzz");
        else
            answer.add(Integer.toString(i));
    }
    return answer;
}
```

1. Draw a **Control Flow Graph** for the fizzBuzz method. Annotate **all** information (i.e., source code, defs and uses).



2. List all **du-pairs**, then derive **du-paths** (the du-paths then can be used as test requirements)

DU-pairs	DU-paths
Variable n	
[1, (2,3)]	[1, 2, 3]
[1, (2,4)]	[1, 2, 4]
Variable answer	
[1, 3] <i>empty answer</i>	[1, 2, 3]
[1, 5]	[1, 2, 4, 5] <i>semantically unreachable – i is initialized to 1. The first iteration results in [1,2,4,6,8,10] because i=1. Do not include [1,2,4,5,11,2,4,5] – no def-clear path.</i>
[1, 7]	[1, 2, 4, 6, 7] <i>semantically unreachable – i is initialized to 1. The first iteration results in [1,2,4,6,8,10] because i=1.</i>
[1, 9]	[1, 2, 4, 6, 8, 9] <i>semantically unreachable – i is initialized to 1. The first iteration results in [1,2,4,6,8,10] because i=1.</i>
[1, 10]	[1, 2, 4, 6, 8, 10]
[5, 3]	[5, 11, 2, 3]
[5, 5] <i>use before def</i>	[5, 11, 2, 4, 5] <i>semantically unreachable – due to i++</i>
[5, 7]	[5, 11, 2, 4, 6, 7] <i>semantically unreachable – due to i++</i>
[5, 9]	[5, 11, 2, 4, 6, 8, 9] <i>semantically unreachable – due to i++</i>
[5, 10]	[5, 11, 2, 4, 6, 8, 10]
[7, 3]	[7, 11, 2, 3]
[7, 5]	[7, 11, 2, 4, 5] <i>semantically unreachable – due to i++</i>
[7, 7] <i>use before def</i>	[7, 11, 2, 4, 6, 7] <i>semantically unreachable – due to i++</i>
[7, 9]	[7, 11, 2, 4, 6, 8, 9]
[7, 10]	[7, 11, 2, 4, 6, 8, 10]
[9, 3]	[9, 11, 2, 3]
[9, 5]	[9, 11, 2, 4, 5] <i>semantically unreachable – due to i++</i>
[9, 7]	[9, 11, 2, 4, 6, 7]
[9, 9] <i>use before def</i>	[9, 11, 2, 4, 6, 8, 9] <i>semantically unreachable – due to i++</i>
[9, 10]	[9, 11, 2, 4, 6, 8, 10] <i>semantically unreachable – due to i++</i>
[10, 3]	[10, 11, 2, 3]

[10, 5]	[10, 11, 2, 4, 5]
[10, 7]	[10, 11, 2, 4, 6, 7]
[10, 9]	[10, 11, 2, 4, 6, 8, 9] <i>semantically unreachable – due to i++</i>
[10, 10] <i>use before def</i>	[10, 11, 2, 4, 6, 8, 10] <i>semantically unreachable – due to i++</i>
Variable i	
[1, (2,3)]	[1, 2, 3]
[1, (2,4)]	[1, 2, 4]
[1, (4,5)]	[1, 2, 4, 5] <i>semantically unreachable – i is initialized to 1. The first iteration results in [1,2,4,6,8,10] because i=1. Do not include [1,2,3,5,11,2,4,5] – no def-clear path.</i>
[1, (4,6)]	[1, 2, 4, 6]
[1, (6,7)]	[1, 2, 4, 6, 7] <i>semantically unreachable – i is initialized to 1. The first iteration results in [1,2,4,6,8,10] because i=1.</i>
[1, (6,8)]	[1, 2, 4, 6, 8]
[1, (8,9)]	[1, 2, 4, 6, 8, 9] <i>semantically unreachable – i is initialized to 1. The first iteration results in [1,2,4,6,8,10] because i=1.</i>
[1, (8,10)]	[1, 2, 4, 6, 8, 10]
[1, 10]	[1, 2, 4, 6, 8, 10]
[1, 11]	[1, 2, 4, 5, 11] <i>semantically unreachable – i is initialized to 1.</i> [1, 2, 4, 6, 7, 11] <i>semantically unreachable – i is initialized to 1.</i> [1, 2, 4, 6, 8, 9, 11] <i>semantically unreachable – i is initialized to 1.</i> [1, 2, 4, 6, 8, 10, 11]
[11, (2,3)]	[11, 2, 3]
[11, (2,4)]	[11, 2, 4]
[11, (4,5)]	[11, 2, 4, 5]
[11, (4,6)]	[11, 2, 4, 6]
[11, (6,7)]	[11, 2, 4, 6, 7]
[11, (6,8)]	[11, 2, 4, 6, 8]
[11, (8,9)]	[11, 2, 4, 6, 8, 9]
[11, (8,10)]	[11, 2, 4, 6, 8, 10]
[11, 10]	[11, 2, 4, 6, 8, 10]
[11, 11] <i>use before def</i>	[11, 2, 4, 5, 11] [11, 2, 4, 6, 7, 11] [11, 2, 4, 6, 8, 9, 11] [11, 2, 4, 6, 8, 10, 11]

3. Apply **All-Defs** to design tests — some test paths tour multiple test requirements

variable	Test requirements	Test paths	Test cases (input values and expected output)
n	[1,2,3]	[1,2,3]	input: n=0, expected: answer=[]
answer	[1,2,3]	[1,2,3]	input: n=0, expected: answer=[]
	[5,11,2,3]	[1,2, 4,6,8,10,11, 2,4,6,7,11, 2,4,6,8,9,11, 2,4,6,7,11, 2,4,6,8,10,11, 2,4,5,11, 2,3]	input: n=6, expected: answer=[1,Fizz,Buzz,Fizz,5,FizzBuzz]
	[7,11,2,3]	[1,2, 4,6,8,10,11, 2,4,6,7,11, 2,3]	input: n=2, expected: answer=[1,Fizz]
	[9,11,2,3]	[1,2, 4,6,8,10,11, 2,4,6,7,11, 2,4,6,8,9,11, 2,3]	input: n=3, expected: answer=[1,Fizz,Buzz]
	[10,11,2,3]	[1,2, 4,6,8,10,11, 2,3]	input: n=1; expected: answer=[1]
i	[1,2,3]	[1,2,3]	input: n=0, expected: answer=[]
	[11, (2,3)]	[1,2, 4,6,8,10,11, 2,3]	input: n=1, expected: answer=[1]

4. Apply **All-Uses** to design tests

variable	Test requirements	Test paths	Test cases (input values and expected output)
n	[1,2,3] <i>For du [1, (2,3)]</i>	[1,2,3]	input: n=0, expected: answer=[]
	[1,2,4] <i>For du [1, (2,4)]</i>	[1,2, 4,6,8,10,11, 2,3]	input: n=1; expected: answer=[1]
answer	[1,2,3] <i>For du [1,3]</i>	[1,2,3]	input: n=0, expected: answer=[]
	[1,2,4,6,8,10] <i>For du [1,10]</i>	[1,2, 4,6,8,10,11, 2,3]	input: n=1; expected: answer=[1]
	[5,11,2,3] <i>For du [5,3]</i>	[1,2, 4,6,8,10,11, 2,4,6,7,11, 2,4,6,8,9,11, 2,4,6,7,11, 2,4,6,8,10,11, 2,4,5,11, 2,3]	input: n=6, expected: answer=[1,Fizz,Buzz,Fizz,5,FizzBuzz]
	[5,11,2,4,6,8,10] <i>For du [5,10]</i>	[1,2, 4,6,8,10,11, 2,4,6,7,11, 2,4,6,8,9,11, 2,4,6,7,11, 2,4,6,8,10,11, 2,4,5,11, 2,4,6,8,10,11, 2,3]	input: n=7, expected: answer=[1,Fizz,Buzz,Fizz,5,FizzBuzz,7]

	[7,11,2,3] <i>For du [7,3]</i>	[1,2, <u>4.6.8.10.11</u> , <u>2.4.6.7.11</u> , <u>2,3</u>]	input: n=2; expected: answer=[1,Fizz]
	[7,11,2,4,6,8,9] <i>For du [7,9]</i>	[1,2, <u>4.6.8.10.11</u> , <u>2.4.6.7.11</u> , <u>2.4.6.8.9.11</u> , 2,3]	input: n=3, expected: answer=[1,Fizz,Buzz]
	[7,11,2,4,6,8,10] <i>For du [7,10]</i>	[1,2, <u>4.6.8.10.11</u> , <u>2.4.6.7.11</u> , <u>2.4.6.8.9.11</u> , <u>2.4.6.7.11</u> , <u>2.4.6.8.10.11</u> , 2,3]	input: n=5, expected: answer=[1,Fizz,Buzz,Fizz,5]
	[9,11,2,3] <i>For du [9,3]</i>	[1,2, <u>4.6.8.10.11</u> , <u>2.4.6.7.11</u> , <u>2.4.6.8.9.11</u> , 2,3]	input: n=3, expected: answer=[1,Fizz,Buzz]
	[9,11,2,4,6,7] <i>For du [9,7]</i>	[1,2, <u>4.6.8.10.11</u> , <u>2.4.6.7.11</u> , <u>2.4.6.8.9.11</u> , <u>2.4.6.7.11</u> , <u>2.4.6.8.10.11</u> , 2,3]	input: n=5, (<i>or n=4, we reuse test n=5</i>) expected: answer=[1,Fizz,Buzz,Fizz,5]
	[10,11,2,3] <i>For du [10,3]</i>	[1,2, <u>4.6.8.10.11</u> , 2,3]	input: n=1; expected: answer=[1]
	[10,11,2,4,5] <i>For du [10,5]</i>	[1,2, <u>4.6.8.10.11</u> , <u>2.4.6.7.11</u> , <u>2.4.6.8.9.11</u> , <u>2.4.6.7.11</u> , <u>2.4.6.8.10.11</u> , <u>2.4.5.11</u> , 2,3]	input: n=6, expected: answer=[1,Fizz,Buzz,Fizz,5,FizzBuzz]
	[10,11,2,4,6,7] <i>For du [10,7]</i>	[1,2, <u>4.6.8.10.11</u> , <u>2.4.6.7.11</u> , <u>2.4.6.8.9.11</u> , <u>2.4.6.7.11</u> , <u>2.4.6.8.10.11</u> , <u>2.4.5.11</u> , 2,3]	input: n=6, (<i>or n=2, we reuse test n=6</i>) expected: answer=[1,Fizz,Buzz,Fizz,5,FizzBuzz]
i	[1,2,3] <i>For du [1,(2,3)]</i>	[1,2,3]	input: n=0, expected: answer=[]
	[1,2,4] <i>For du [1,(2,4)]</i>	[1,2, <u>4.6.8.10.11</u> , 2,3]	input: n=1, expected: answer=[1]
	[1,2,4,6] <i>For du [1,(4,6)]</i>	[1,2, <u>4.6.8.10.11</u> , 2,3]	input: n=1, expected: answer=[1]
	[1,2,4,6,8] <i>For du [1,(6,8)]</i>	[1,2, <u>4.6.8.10.11</u> , 2,3]	input: n=1, expected: answer=[1]
	[1,2,4,6,8,10] <i>For du [1, (8,10)] and [1,10]</i>	[1,2, <u>4.6.8.10.11</u> , 2,3]	input: n=1, expected: answer=[1]
	[1,2,4,6,8,10,11] <i>For du [1,11]</i>	[1,2, <u>4.6.8.10.11</u> , 2,3]	input: n=1, expected: answer=[1]
	[11,2,3] <i>For du [11,(2,3)]</i>	[1,2, <u>4.6.8.10.11</u> , 2,3]	input: n=1, expected: answer=[1]
	[11,2,4] <i>For du [11,(2,4)]</i>	[1,2, <u>4.6.8.10.11</u> , <u>2.4.6.7.11</u> , <u>2.4.6.8.9.11</u> , <u>2.4.6.7.11</u> , <u>2.4.6.8.10.11</u> , <u>2.4.5.11</u> , 2,3]	input: n=6, expected: answer=[1,Fizz,Buzz,Fizz,5,FizzBuzz]

[11,2,4,5] <i>For du [11,(4,5)]</i>	[1,2, <u>4.6.8.10.11</u> , <u>2.4.6.7.11</u> , <u>2.4.6.8.9.11</u> , <u>2.4.6.7.11</u> , <u>2.4.6.8.10.11</u> , <u>2.4.5.11</u> , 2,3]	input: n=6, expected: answer=[1,Fizz,Buzz,Fizz,5,FizzBuzz]
[11,2,4,6] <i>For du [11,(4,6)]</i>	[1,2, <u>4.6.8.10.11</u> , <u>2.4.6.7.11</u> , <u>2.4.6.8.9.11</u> , <u>2.4.6.7.11</u> , <u>2.4.6.8.10.11</u> , <u>2.4.5.11</u> , 2,3]	input: n=6, expected: answer=[1,Fizz,Buzz,Fizz,5,FizzBuzz]
[11,2,4,6,7] <i>For du [11,(6,7)]</i>	[1,2, <u>4.6.8.10.11</u> , <u>2.4.6.7.11</u> , <u>2.4.6.8.9.11</u> , <u>2.4.6.7.11</u> , <u>2.4.6.8.10.11</u> , <u>2.4.5.11</u> , 2,3]	input: n=6, expected: answer=[1,Fizz,Buzz,Fizz,5,FizzBuzz]
[11,2,4,6,8] <i>For du [11,(6,8)]</i>	[1,2, <u>4.6.8.10.11</u> , <u>2.4.6.7.11</u> , <u>2.4.6.8.9.11</u> , <u>2.4.6.7.11</u> , <u>2.4.6.8.10.11</u> , <u>2.4.5.11</u> , 2,3]	input: n=6, expected: answer=[1,Fizz,Buzz,Fizz,5,FizzBuzz]
[11,2,4,6,8,9] <i>For du [11,(8,9)]</i>	[1,2, <u>4.6.8.10.11</u> , <u>2.4.6.7.11</u> , <u>2.4.6.8.9.11</u> , <u>2.4.6.7.11</u> , <u>2.4.6.8.10.11</u> , <u>2.4.5.11</u> , 2,3]	input: n=6, expected: answer=[1,Fizz,Buzz,Fizz,5,FizzBuzz]
[11,2,4,6,8,10] <i>For du [11,(8,10)] and [11,10]</i>	[1,2, <u>4.6.8.10.11</u> , <u>2.4.6.7.11</u> , <u>2.4.6.8.9.11</u> , <u>2.4.6.7.11</u> , <u>2.4.6.8.10.11</u> , <u>2.4.5.11</u> , 2,3]	input: n=6, expected: answer=[1,Fizz,Buzz,Fizz,5,FizzBuzz]
[11,2,4,6,8,10,11] <i>For du [11,11]</i>	[1,2, <u>4.6.8.10.11</u> , <u>2.4.6.7.11</u> , <u>2.4.6.8.9.11</u> , <u>2.4.6.7.11</u> , <u>2.4.6.8.10.11</u> , <u>2.4.5.11</u> , 2,3]	input: n=6, expected: answer=[1,Fizz,Buzz,Fizz,5,FizzBuzz]

5. Apply **All-DU-Paths** to design tests

variable	Test requirements	Test paths	Test cases (input values and expected output)
n	1,2,3] <i>For du [1, (2,3)]</i> [1,2,4] <i>For du [1, (2,4)]</i>	[1,2,3] [1,2, <u>4.6.8.10.11</u> , 2,3]	input: n=0, expected: answer=[] input: n=1; expected: answer=[1]
answer	[1,2,3] <i>For du [1,3]</i> [1,2,4,6,8,10] <i>For du [1,10]</i> [5,11,2,3] <i>For du [5,3]</i> [5,11,2,4,6,8,10] <i>For du [5,10]</i>	[1,2,3] [1,2, <u>4.6.8.10.11</u> , 2,3] [1,2, <u>4.6.8.10.11</u> , <u>2.4.6.7.11</u> , <u>2.4.6.8.9.11</u> , <u>2.4.6.7.11</u> , <u>2.4.6.8.10.11</u> , <u>2.4.5.11</u> , 2,3] [1,2, <u>4.6.8.10.11</u> , <u>2.4.6.7.11</u> , <u>2.4.6.8.9.11</u> , <u>2.4.6.7.11</u> , <u>2.4.6.8.10.11</u> , <u>2.4.5.11</u> , <u>2.4.6.8.10.11</u> , 2,3]	input: n=0, expected: answer=[] input: n=1; expected: answer=[1] input: n=6, expected: answer=[1,Fizz,Buzz,Fizz,5,FizzBuzz] input: n=7, expected: answer=[1,Fizz,Buzz,Fizz,5,FizzBuzz,7]

	[7,11,2,3] <i>For du [7,3]</i> [7,11,2,4,6,8,9] <i>For du [7,9]</i> [7,11,2,4,6,8,10] <i>For du [7,10]</i> [9,11,2,3] <i>For du [9,3]</i> [9,11,2,4,6,7] <i>For du [9,7]</i> [10,11,2,3] <i>For du [10,3]</i> [10,11,2,4,5] <i>For du [10,5]</i> [10,11,2,4,6,7] <i>For du [10,7]</i>	[1,2, 4.6.8.10.11, 2.4.6.7.11, 2,3] [1,2, 4.6.8.10.11, 2.4.6.7.11, 2.4.6.8.9.11, 2,3] [1,2, 4.6.8.10.11, 2.4.6.7.11, 2.4.6.8.9.11, 2.4.6.7.11, 2.4.6.8.10.11, 2,3] [1,2, 4.6.8.10.11, 2.4.6.7.11, 2.4.6.8.9.11, 2,3] [1,2, 4.6.8.10.11, 2.4.6.7.11, 2.4.6.8.9.11, 2.4.6.7.11, 2.4.6.8.10.11, 2,3] [1,2, 4.6.8.10.11, 2,3] [1,2, 4.6.8.10.11, 2.4.6.7.11, 2.4.6.8.9.11, 2.4.6.7.11, 2.4.6.8.10.11, 2,3] [1,2, 4.6.8.10.11, 2.4.6.7.11, 2.4.6.8.9.11, 2.4.6.7.11, 2.4.6.8.10.11, 2.4.5.11, 2,3]	input: n=2; expected: answer=[1,Fizz] input: n=3, expected: answer=[1,Fizz,Buzz] input: n=5, expected: answer=[1,Fizz,Buzz,Fizz,5] input: n=3, expected: answer=[1,Fizz,Buzz] input: n=5, expected: answer=[1,Fizz,Buzz,Fizz,5] input: n=1; expected: answer=[1] input: n=6, expected: answer=[1,Fizz,Buzz,Fizz,5,FizzBuzz] input: n=6, expected: answer=[1,Fizz,Buzz,Fizz,5,FizzBuzz]
i	[1,2,3] <i>For du [1,(2,3)]</i> [1,2,4] <i>For du [1,(2,4)]</i> [1,2,4,6] <i>For du [1,(4,6)]</i> [1,2,4,6,8] <i>For du [1,(6,8)]</i> [1,2,4,6,8,10] <i>For du [1, (8,10)] and [1,10]</i> [1,2,4,6,8,10,11] <i>For du [1,11]</i> [11,2,3] <i>For du [11,(2,3)]</i> [11,2,4] <i>For du [11,(2,4)]</i>	[1,2,3] [1,2, 4.6.8.10.11, 2,3] [1,2, 4.6.8.10.11, 2,3] [1,2, 4.6.8.10.11, 2,3] [1,2, 4.6.8.10.11, 2,3] [1,2, 4.6.8.10.11, 2,3] [1,2, 4.6.8.10.11, 2,3] [1,2, 4.6.8.10.11, 2,3] [1,2, 4.6.8.10.11, 2.4.6.7.11, 2.4.6.8.9.11, 2.4.6.7.11, 2.4.6.8.10.11, 2.4.5.11, 2,3]	input: n=0, expected: answer=[] input: n=1, expected: answer=[1] input: n=1, expected: answer=[1] input: n=1, expected: answer=[1] input: n=1, expected: answer=[1] input: n=1, expected: answer=[1] input: n=1, expected: answer=[1] input: n=6, expected: answer=[1,Fizz,Buzz,Fizz,5,FizzBuzz]

[11,2,4,5] <i>For du [11,(4,5)]</i>	[1,2, <u>4.6.8.10.11</u> , <u>2.4.6.7.11</u> , <u>2.4.6.8.9.11</u> , <u>2.4.6.7.11</u> , <u>2.4.6.8.10.11</u> , <u>2.4.5.11</u> , 2,3]	input: n=6, expected: answer=[1,Fizz,Buzz,Fizz,5,FizzBuzz]
[11,2,4,6] <i>For du [11,(4,6)]</i>	[1,2, <u>4.6.8.10.11</u> , <u>2.4.6.7.11</u> , <u>2.4.6.8.9.11</u> , <u>2.4.6.7.11</u> , <u>2.4.6.8.10.11</u> , <u>2.4.5.11</u> , 2,3]	input: n=6, expected: answer=[1,Fizz,Buzz,Fizz,5,FizzBuzz]
[11,2,4,6,7] <i>For du [11,(6,7)]</i>	[1,2, <u>4.6.8.10.11</u> , <u>2.4.6.7.11</u> , <u>2.4.6.8.9.11</u> , <u>2.4.6.7.11</u> , <u>2.4.6.8.10.11</u> , <u>2.4.5.11</u> , 2,3]	input: n=6, expected: answer=[1,Fizz,Buzz,Fizz,5,FizzBuzz]
[11,2,4,6,8] <i>For du [11,(6,8)]</i>	[1,2, <u>4.6.8.10.11</u> , <u>2.4.6.7.11</u> , <u>2.4.6.8.9.11</u> , <u>2.4.6.7.11</u> , <u>2.4.6.8.10.11</u> , <u>2.4.5.11</u> , 2,3]	input: n=6, expected: answer=[1,Fizz,Buzz,Fizz,5,FizzBuzz]
[11,2,4,6,8,9] <i>For du [11,(8,9)]</i>	[1,2, <u>4.6.8.10.11</u> , <u>2.4.6.7.11</u> , <u>2.4.6.8.9.11</u> , <u>2.4.6.7.11</u> , <u>2.4.6.8.10.11</u> , <u>2.4.5.11</u> , 2,3]	input: n=6, expected: answer=[1,Fizz,Buzz,Fizz,5,FizzBuzz]
[11,2,4,6,8,10] <i>For du [11,(8,10)] and [11,10]</i>	[1,2, <u>4.6.8.10.11</u> , <u>2.4.6.7.11</u> , <u>2.4.6.8.9.11</u> , <u>2.4.6.7.11</u> , <u>2.4.6.8.10.11</u> , <u>2.4.5.11</u> , 2,3]	input: n=6, expected: answer=[1,Fizz,Buzz,Fizz,5,FizzBuzz]
[11,2,4,5,11] <i>For du [11,11]</i>	[1,2, <u>4.6.8.10.11</u> , <u>2.4.6.7.11</u> , <u>2.4.6.8.9.11</u> , <u>2.4.6.7.11</u> , <u>2.4.6.8.10.11</u> , <u>2.4.5.11</u> , 2,3]	input: n=6, expected: answer=[1,Fizz,Buzz,Fizz,5,FizzBuzz]
[11,2,4,6,7,11] <i>For du [11,11]</i>	[1,2, <u>4.6.8.10.11</u> , <u>2.4.6.7.11</u> , <u>2.4.6.8.9.11</u> , <u>2.4.6.7.11</u> , <u>2.4.6.8.10.11</u> , <u>2.4.5.11</u> , 2,3]	input: n=6, expected: answer=[1,Fizz,Buzz,Fizz,5,FizzBuzz]
[11,2,4,6,8,9,11] <i>For du [11,11]</i>	[1,2, <u>4.6.8.10.11</u> , <u>2.4.6.7.11</u> , <u>2.4.6.8.9.11</u> , <u>2.4.6.7.11</u> , <u>2.4.6.8.10.11</u> , <u>2.4.5.11</u> , 2,3]	input: n=6, expected: answer=[1,Fizz,Buzz,Fizz,5,FizzBuzz]
[11,2,4,6,8,10,11] <i>For du [11,11]</i>	[1,2, <u>4.6.8.10.11</u> , <u>2.4.6.7.11</u> , <u>2.4.6.8.9.11</u> , <u>2.4.6.7.11</u> , <u>2.4.6.8.10.11</u> , <u>2.4.5.11</u> , 2,3]	input: n=6, expected: answer=[1,Fizz,Buzz,Fizz,5,FizzBuzz]

Grading rubric

[Total: 10 points]: Done (or provide evidence of your attempt, full or reasonable effort)

- (5 points) — Providing evidence of your attempt, minimal effort
- (-2.5 points) for 24 hours late (submitted after 16-Oct-2025 11am EST, by 17-Oct-2025 11am EST)
(-5 points) for 48 hours late (submitted after 17-Oct-2025 11am EST, by 18-Oct-2025 11am EST)

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