

**Task 3:**

The first three digits of the output is “100”. The benefit of running on different threads is that the cpu can do operations in parallel. One operation does not have to wait for another to finish before it can run.

**Task 4:**

The main difference between the GenerateOdd and the lazy GenerateOdd functions (in terms of task 3), is that when the function is not lazy, the Product function has to wait for GenerateOdd to generate all the numbers before beginning to multiply. When GenerateOdd is lazy, product can start at once, and GenerateOdd will generate one number at a time when Product need a number. This way, it is more resource efficient. We generate numbers on demand, not all at once, so we only have to save the result of a multiplication and the next number the result has to be multiplied with.