Worksheet: Lazy Computation

You are given the following supplier for a lazy list of integers:

```java
public static LazyList<Integer> from(int i, int step) {
   System.out.println("Hi");
   return cons(i, () -> from(i + step, step));
}
```

In the following sequence of statements, write how many times will “Hi” be printed out as a side effect of executing that statement:

```java
var nats = from(0, 1);
var evens = from(0, 2);
var alsoEvens = nats.filter(x -> x % 2 == 0);
var yetAnotherEvens = nats.map(x -> x * 2);
var thirdEven = evens.tail().tail().head();
var thirdEvenAgain = evens.tail().tail().head();
var fiveEvens = evens.take(5);
var sumFiveEvens = fiveEvens.foldRight(0, (x, y) -> x + y);
```