Lazy Evaluation

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Evaluate expressions later, once, when used

```
lazy val x: Int = {
  println("hello")
  42
} // does not print anything until x is used for the first time
```

Lazy eval + call by name = call by need

```
def byNeedMethod(n: => Int): Int = {
  lazy val t = n // argument only evaluated once, and delayed
  t + t + t + 1
}
```

Example of lazy evaluation

- potentially infinite collections (streams/lazy-lists)
- withFilter in for-comprehensions

Scala rocks