1.

```
squares :: Int -> Int
squares n = sum [x^2 | x <- [1..n]]
squares 100
```

OR

```
(\n -> sum [x^2 | x -> [1..n]]) 100
```

2.

```
pyths :: Int -> [(Int, Int, Int)]
pyths n = [(x, y, z) | x <- [1..n], y <- [1..n], z <- [1..n], x^2+y^2 == z^2 ]
```