

Exercises

1. Using list comprehension, give an expression that calculates the sum of the first one hundred integer squares:

$$1^2 + 2^2 + 3^2 + \dots + 100^2$$

2. The library function

`replicate :: Int → a → [a]`

produces a list whose length is given by the first argument and whose elements are identical to the second argument. For example,

`replicate 3 True = [True,True,True]`

Use list comprehension to define replicate.