

Exercise 1.3. Define a procedure that takes three numbers as arguments and returns the sum of the squares of the two larger numbers.

Answer. As we have been apprised of the procedure `sum-of-squares` in 1.1.4, then the crucial point in solving this problem lays in how to find out the two larger numbers. Therefore, the procedure can be define as the following:

```
(define (sum-of-squares-of-two-largest a b c)
  (cond ((and (< a b) (< a c)) (sum-of-squares b c))
        ((and (< b a) (< b c)) (sum-of-squares a c))
        (sum-of-squares a b)))
```

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