Exercise 1.41. Define a procedure double that takes a procedure of one argument as argument and returns a procedure that applies the original procedure twice. For example, if inc is a procedure that adds 1 to its argument, then (double inc) should be a procedure that adds 2. What value is returned by

(((double (double double)) inc) 5)

Solution

Which returns 21.

```
(define (inc x)
    (+ x 1))

(define (double f)|
    (lambda (x) (f (f x))))

(((double (double double)) inc) 5)
```