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**ICSI519 Homework 1**

*- val y = 5;*

val y = 5 : int

*- fun foo(x, y) = y + 1;*

val foo = fn : 'a \* int -> int

*- foo(100, 100);*

val it = 101 : int

*- y \* y;*

val it = 25 : int

*- val y = foo(y, y);*

val y = 6 : int

*- foo(foo, y);*

val it = 7 : int

*- fun f(x) = foo(x, x);*

val f = fn : int -> int