

Abstraction

| An | nοι | ince | eme | nts |
|----|-----|------|-----|-----|
|    |     |      |     |     |

| <pre>def square(x): return mul(x, x)</pre> | <pre>def sum_squares(x, y): return square(x) + square</pre> |
|--|---|
| What does sum_squ                          | uares need to know about square?                            |
| •Square takes one argument.                | Yes   |
| •Square has the intrinsic name square.     | No  |
| •Square computes the square of a numbe     | er. Yes   |
| Square computes the square by calling      | g mul. No   |
| <pre>def square(x): return pow(x, 2)</pre> | <pre>def square(x): return mul(x, x-1) + x</pre>            |



