

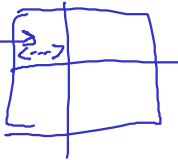
DEFUN by LET

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COGS 502: Symbols and Programming
METU, Informatics

```
(defun sqr (x)
  (* x x))
```

SQR



* (sqr 8)



```
(let ((x 8))
  (* x x))
```

=> 64

64

* (sqr (+ 3 4))



```
(let ((x (+ 3 4)))
  (* x x))
```

x -> 7 ✓

```

  ↓   ↓   ↓
  7   7   7
  ---
  49
```

49

*

(defun avg (x y)
 (/ (+ x y) 2))

AVG \rightarrow \hookrightarrow

(avg (+ 3 4) (* 2 4))

7.5

