SICP Exercise 3.20

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September 13, 2016

The environment structure created by evaluating **(define x (cons 1 2))** and **(define z (cons x x))** is given as follows.
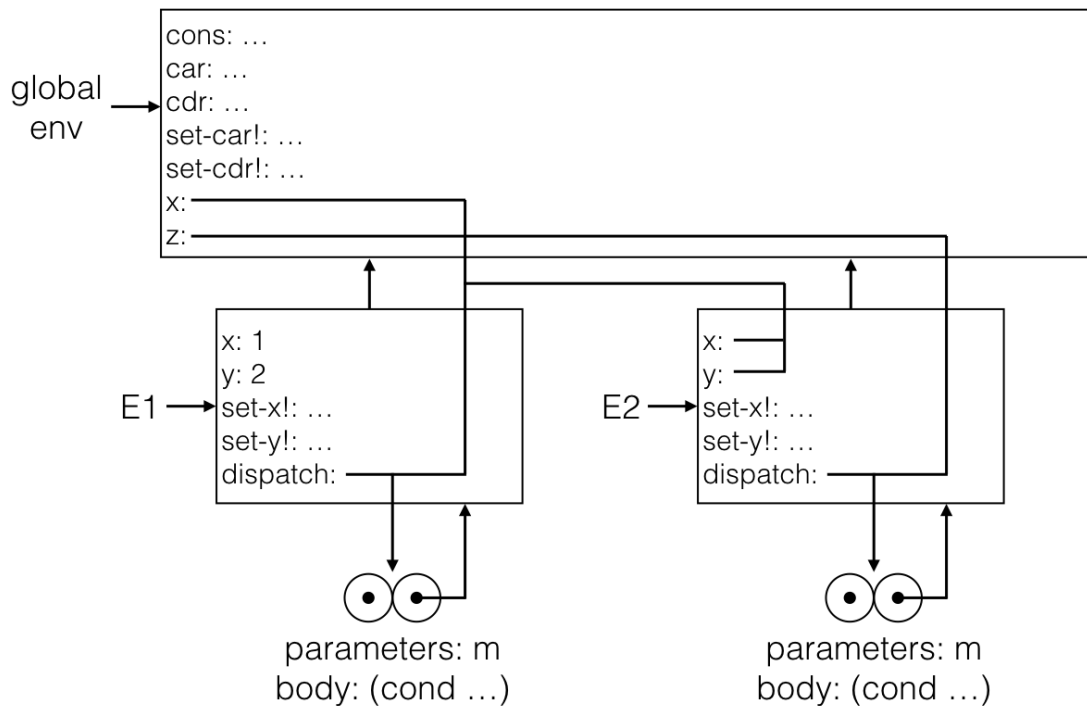

Figure 1: Effect of **(define x (cons 1 2))** and **(define z (cons x x))**.

The environment structures created by evaluating **(set-car! (cdr z) 17)** and by evaluting **(car x)** are given as follows, respectively.
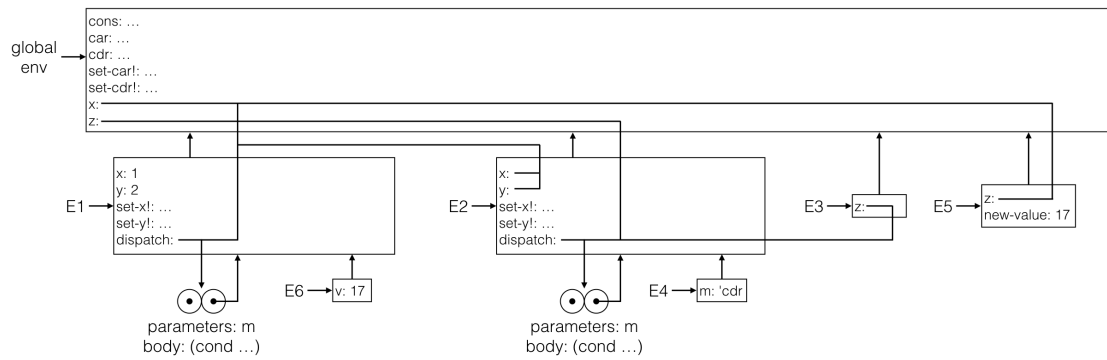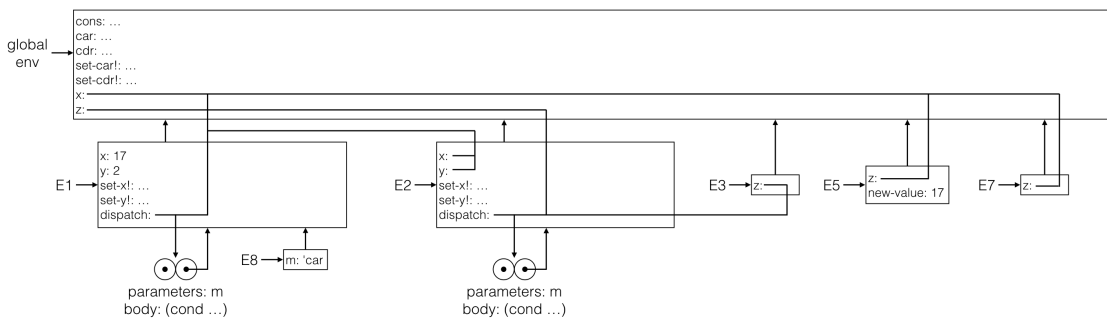
Figure 2: Effect of **(set-car! (cdr z) 17)**.

Figure 3: Effect of **(car x)**.