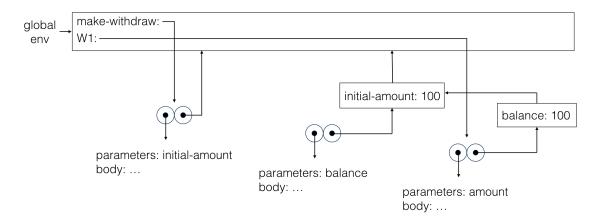
## SICP Exercise 3.10

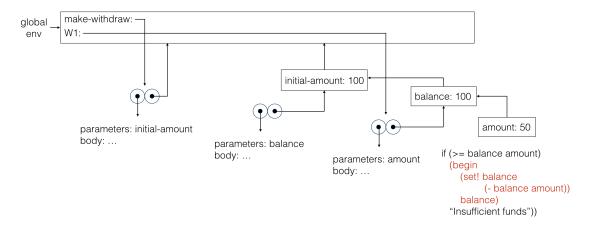
## Yuchong Pan

## September 8, 2016

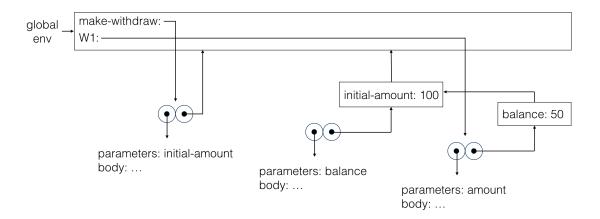
The environments created by evaluating (define W1 (make-withdraw 100)) are given as follows:



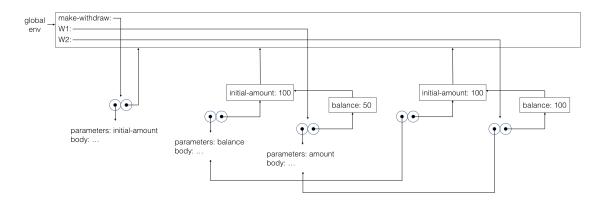
The environments created by applying the procedure object W1 to 50 are given as follows:



After the call to W1, the environments become



Using (define W2 (make-withdraw 100)) to create a second object gives



The two versions of make-withdraw create objects with the same behavior, since the environments created by the two versions of make-withdraw each contain a frame with its own local binding for balance, and since he state variables make-withdraw which calls to W1 and to W2 reference are stored in different environments.

By contrast, the environment structures created by the alternate version have an extra "anonymous" procedure object and an extra frame with the binding for initial-amount for each object created by make-withdraw. Hence, more space is required for the latter version.