SICP Exercise 3.12

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The missing $<response>$s are **(b)** and **(b c d)**, respectively. The box-and-pointer diagrams are given as follows.
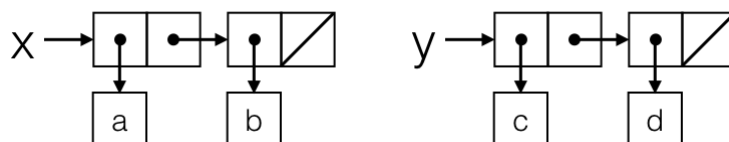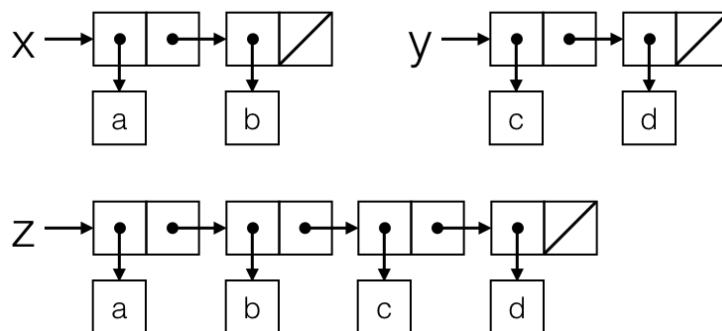

Figure 1: Lists x: **(a b)** and y: **(c d)**.

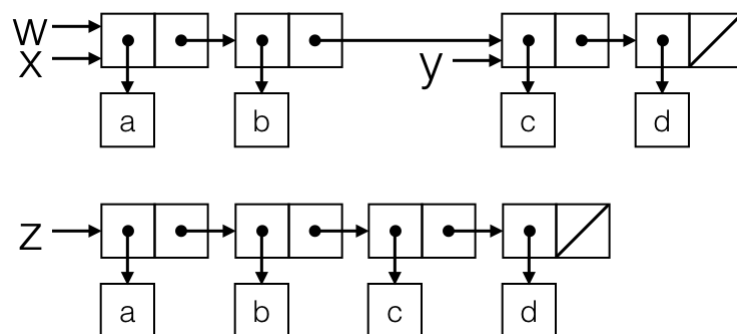Figure 2: Effect of **(define z (append x y))**.

Figure 3: Effect of **(define w (append! x y))**.