

3.40

(define x 10)

(parallel-execute

P1: (λ () (set! x (* x x)))

P2: (λ () (set! x (* x x x x)))

Each x fetches at individual times.

P1 entire \Rightarrow P2 entire $\Rightarrow 100^3 = 10^6$

P2 entire \Rightarrow P1 entire $\Rightarrow 1000^2 = 10^6$

Both fetch early on: P1 finishes first, overwrites by P2 $\Rightarrow 10^3$
P2 - 11- P1 $\Rightarrow 10^2$

P2 finishes midway through fetching for P1: $\Rightarrow 10 \cdot 10^3 \Rightarrow 10^4$

P1 - 11- P2: $10 \cdot 10 \cdot 100 \Rightarrow 10^4$

: $10 \cdot 100 \cdot 100 \Rightarrow 10^5$

$10^2, 10^3, 10^4, 10^5, 10^6$

When P1 and P2 are reinitialized, the possible values are: 10^6