



**FIGURE 3.4** Why each method call should appear to take effect in one-at-a-time order. Two threads concurrently write  $-3$  and  $7$  to a shared register  $r$ . Later, one thread reads  $r$  and returns the value  $-7$ . We expect to find either  $7$  or  $-3$  in the register, not a mixture of both.