

517 (input with timeout) As in Exercise 516, let W be “wait for input on channel c and then read it”, except that if input is still not available by a deadline, an alarm should be raised.

$W \Leftarrow \mathbf{if } t \leq \mathit{deadline} \mathbf{ then if } \sqrt{c} \mathbf{ then } c? \mathbf{ else } t := t+1. W \mathbf{ fi else alarm fi}$

Define W appropriately, and prove the refinement.

no solution given