516 (input with timeout) As in Exercise 515, 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.

$$W \Leftarrow \textbf{if } t \le \mathit{deadline} \textbf{ then if } \surd c \textbf{ then } c? \textbf{ else } t := t+1.\ W \textbf{ fi else } \mathit{alarm} \textbf{ fi}$$

Define W appropriately, and prove the refinement.

no solution given