Write a program to repeatedly print the current time, up until some given time.

Assuming time is an extended integer, and the given time is \( k \), including recursive time, the specification is

\[
P \equiv \quad w' = w + \max 0 (k-t) \land t' = t + \max 0 (k-t) \\
\land \forall n : 0 \ldots \max 0 (k-t) \cdot \exists w + n = t + n
\]

and the refinement is

\[
P \iff \text{if } t < k \text{ then } c! \: t := t + 1. \ \text{P else ok fi}
\]