```
channel tick, time
channel out : RANGE \times RANGE
channel inc, minsReq
channel ans: RANGE
chanset Sync = \{inc, minsReq, ans\}
process Seconds =
begin
     state SecSt \cong [sec : RANGE]
     SecInit = [SecSt' | sec' = 0]
     IncSec = [\Delta SecSt \mid sec' = (sec + 1) \mod 60]
     RunSec \stackrel{\frown}{=} tick \rightarrow IncSec; (sec = 0) \& inc \rightarrow Skip
                                     \square (sec \neq 0) & Skip
                   \Box time \rightarrow minsReq \rightarrow ans?mins \rightarrow out!(mins, sec) \rightarrow Skip

    SecInit:(µ X • RunSec; X)

end
process Minutes =
begin
     state MinSt = [min : RANGE]
     MinInit = [MinSt' | min' = 0]
     IncMin = [\Delta MinSt \mid min' = (min + 1) \mod 60]
     RunMin \stackrel{\frown}{=} inc \rightarrow IncMin
                    \square minsReq \rightarrow ans!min \rightarrow Skip

    MinInit;(µ X • RunMin; X)

end
process Chronometer \hat{=} (Seconds ||Sync|| Minutes) \setminus Sync
```

RANGE == 0..60