How to wait for a period of time using a timer

version	1.1.0
scope	Example. This code is provided as example code for a user to base their code on.
description	How to wait for a period of time using a timer
boards	Unless otherwise specified, this example runs on the SliceKIT Core Board, but can easily be run on any XMOS device by using a different XN file.

Timers can be used to pause a task until a certain amount of time has passed. First input the current time from the timer:

t :> start_time;

Next compute the time you want the task to wait until by adding the desired number of timer ticks to the start time.

end_time = start_time + 123;

Finally use the following statement to wait for end_time to be reached:

```
t when timerafter(end_time) :> void;
```

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