## How to wait for a condition on an input port

version	1.0.1
scope	Example. This code is provided as example code for a user to base their code on.
description	How to wait for a condition on an input port
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.
An input operation can be made to wait for one of two conditions on a port: equal to (pinseq) or not equal to (pinsneq) some value.	

The following statement instructs input\_port to wait until the value stored on its pins is not equal to input\_value before sampling and providing it to the processor to store in input\_value.

input\_port when pinsneq(input\_value) :> input\_value;

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