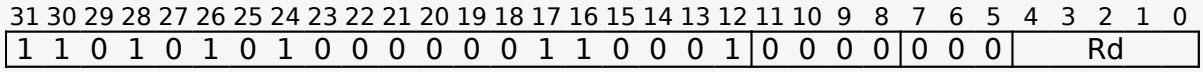
WFET

Wait For Event with Timeout is a hint instruction that indicates that the PE can enter a low-power state and remain there until either a local timeout event or a wakeup event occurs. Wakeup events include the event signaled as a result of executing the `SEV` instruction on any PE in the multiprocessor system. For more information, see *Wait For Event mechanism and Send event*.

As described in *Wait For Event mechanism and Send event*, the execution of a `WFET` instruction that would otherwise cause entry to a low-power state can be trapped to a higher Exception level.

System
(FEAT_WFxT)




```
WFET <Xt>

if !IsFeatureImplemented(FEAT_WFxT) then UNDEFINED;

integer d = UInt(Rd);
```

Assembler Symbols

<Xt>	Is the 64-bit name of the general-purpose source register, encoded in the "Rd" field.

Operation

```
integer localtimeout = UInt(X[d, 64]);

if Halted() && ConstrainUnpredictableBool(Unpredictable_WFxTDEBUG) then
    EndOfInstruction();

Hint_WFE(localtimeout, WFxType_WFET);
```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