

```
#include "np5.fpl"

// Code for the first pass of a program that handles Ethernet packets

SETUP ROOT(HandleBlock);

// Pass 1

HandleBlock: EtherBlock($framerEOF:1);

EtherBlock: 0b0 fQueue(0:2, $portNumber:16, $offset:6, 0:1, 0:2);
EtherBlock: 0b1 fQueueEof(0:2, $portNumber:16, $offset:6, 0:1, 0:2, 0:24);
```

**Figure 20.3** Example FPL code for the first pass of a program that processes Ethernet packets. The code is invoked once for each block, and conditionally calls built-in procedure `fQueue()` or `fQueueEof()` to enqueue the block.