REMINDER: Let's use "jiffy" as the unit of time in which one step in the simulation occurs.

```
part ifelse_chain
{
    public bit[4] control = b0001;
    public bit[5] in = b11011;
    public bit out;

    /* Awful, convoluted style, but should be valid */
    if (control[0] == 1)
        out = in[0];
    else if (control[1] == 1)
        out = in[1];
    }
    else if (control[2] == 1)
        out = in[2];
    else
        out = in[3];
    else
        out = in[4];
}
```