

**IFPE - Instituto Federal de Pernambuco**  
**Sistemas Embarcados(Exe3)**  
**Prof. Anderson Moreira**  
**Aluno: César Augusto B. Gonçalves**

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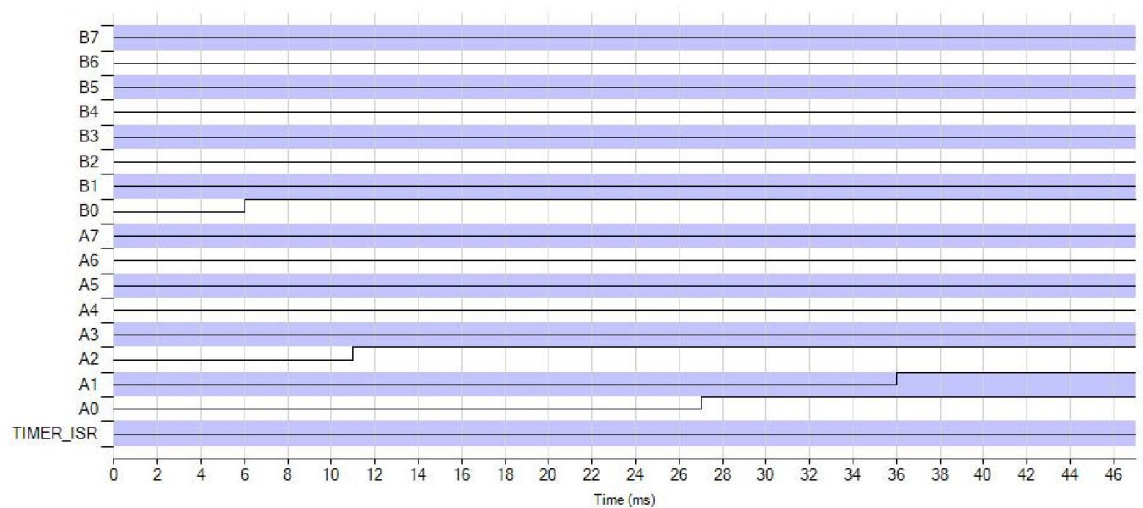
```
#include "rims.h"

/* This is a sample program. You can save/compile/run it,
   modify it first, or just load a different program.   */

/* Sets B0 to 1 as quickly as possible when A0==1 and A1==0*/

/* Note that A0 - A7 can be set by clicking the switches to
   the left, and B0 - B7 can be viewed as LEDs to the right
   (green corresponds to '1', red to '0').           */

void main()
{
    while (1) {
        B0 = !A0 && A1 && A2 || A0 && !A1 && A2 || A0 && A1 && !A2 || A0 && A1 && A2;
    }
}
```



Slide 72

```
#include "rims.h"

/* This is a sample program. You can save/compile/run it,
   modify it first, or just load a different program.   */

/* Sets B0 to 1 as quickly as possible when A0==1 and A1==0 */

/* Note that A0 - A7 can be set by clicking the switches to
   the left, and B0 - B7 can be viewed as LEDs to the right
   (green corresponds to '1', red to '0').           */

void main()
{
    while (1) {
        B0 = A0 && A1 && !A2;
    }
}
```

