

IFPE - Instituto Federal de Pernambuco
Sistemas Embarcados(Exe3)
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Slide 41

```
#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"
```

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```

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```
/* Sets B0 to 1 as quickly as possible when A0==1 and A1==0*/
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```
void main()
```

```
{
```

```
while (1) {
```

```
    B0 = A0 && A1 && !A2;
```

```
}
```

```
}
```