



**Příklad programu pro šestinožého tříservového robota. Serva připojena na konektory S1 (levé nohy), S3 (prostřední nohy) a S6 (pravé nohy).**

```
Symbol left = 1 ' servo 1 base register
Symbol middle = 3 ' servo 2 base register
Symbol right = 6 ' servo 3 base register
Symbol Pos1 = b0 ' servo 1 position
Symbol Pos2 = b1 ' servo 2 position
Symbol Pos3 = b2 ' servo 3 position
Symbol Base = 128 ' centre position
Symbol min1 = 60 ' minimum 1
Symbol minp = 30 ' minimum 3
Symbol based = 110 ' base 3
Symbol max1 = 200 ' maximum 1
Symbol maxp = 160 ' maximum 3
Symbol mind = 200 ' minimum 2
Symbol maxd = 20 ' maximum 2
```

ProgStart:

```
pause 300
```

```
i2cslave $c2, i2cslow, i2cbyte ' setup i2c port for servo controller
```

Loop:

```
writei2c middle, (mind)
```

```
pause 600
```

```
writei2c middle, (maxd)
```

```
pause 600
```

```
goto Loop
```