```
1    FUNCTION_BLOCK  i2c_multiple  EXTENDS  i2c
2    VAR_INPUT
3        DATAOUT :  ARRAY [ 0 .. 40 ]  OF  BYTE ;
4        REGNUM_IN :  BYTE ;
5        REG_IN_START :  BYTE ;
6        REGNUM_OUT :  BYTE ;
7        REG_OUT_START :  BYTE ;
8    END_VAR
9    VAR_OUTPUT
10       DATAIN :  ARRAY [ 0 .. 40 ]  OF  BYTE ;
11   END_VAR
12   VAR
13   END_VAR
14
```

```
1    SUPER ^ ( ) ;
2
3    CASE  _iState  OF
4    0 :
5        IF  usiAddress  =  0  THEN
6            usiAddress  :=  16#42 ;
7        END_IF
8
9        IF  init ( )  THEN
10           _iState  :=  10 ;
11       END_IF
12
13   END_CASE
14
```