

The screenshot displays the emu8086 emulator interface. The main window shows the assembly code for 'final short.asm'. The code is as follows:

```

01 .MODEL SMALL
02 .STACK 100H
03 .DATA
04 .CODE
05 MAIN PROC
06     MOV AX,1234H
07     PUSH AX ;The value is temporarily stored to the AX register
08     MOV AX,5678H
09     PUSH AX;We reuse the AX register
10     POP AX ;The current value of AX(5678H is restored)
11     MOV BX,AX;The current value of AX is copied to BX and so BX=5678H)
12     POP AX ;The first value of AX(1234H) is restored
13
14 MAIN ENDP
15 END MAIN
16

```

The registers window shows the current state of the registers. The AX register is highlighted, showing its value as 0000. The BX register is also highlighted, showing its value as 0000. The other registers (CX, DX, SI, DI, BP, SP, IP, CS, DS, ES) are also listed with their current values.

The execution status window shows the current instruction being executed: 'MOV AX, 01234h'. The instruction pointer (IP) is 0000. The status bar at the bottom indicates the current line is 11 and the column is 70.