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emu8086 - assembler and microprocessor emulator 4.05
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01 include "emu8086.inc"
02 .model small
03 .stack
04 .data
05     n dw 30
06     m dw 25
07     us dw ?
08 .code
09 main proc
10     mov ax, @data
11     mov ds, ax
12     push m
13     push n
14     call uscln
15     mov us, ax
16     call print_num_uns
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18     mov ah, 4ch
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17
18     mov ah, 4ch
19     int 21h
20 main endp
21 uscln proc
22     push bp
23     mov bp, sp
24     push bx
25     mov ax, [bp+4]
26     mov bx, [bp+6]
27 while:
28     cmp ax, bx
29     je endw
30     cmp ax, bx
31     jbe ifsai
32     sub ax, bx
33     jmp endif
34 ifsai:
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32      sub ax, bx
33      jmp endif
34  ifsai:
35      sub bx, ax
36  endif:
37      jmp while
38  endw:
39      pop bx
40      pop bp
41      ret 4
42  uscln endp
43      define_print_num_uns
44  end
```

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20 main endp
21 bscnn proc
22     push bp
23     mov bp, sp
24     push bx
25     push dx
26     push [bp+6]
27     push [bp+4]
28     call uscln
29     mov bx, ax
30     mov ax, [bp+4]
31     mul word ptr [bp+6]
32     div bx
33     pop dx
34     pop bx
35     pop bp
36     ret 4
37 bscnn endp

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05     n dw 30
06     m dw 25
07     bs dw ?
08 .code
09 main proc
10     mov ax, @data
11     mov ds, ax
12     push m
13     push n
14     call bscnn
15     mov bs, ax
16     call print_num_uns
17
18     mov ah, 4ch
19     int 21h
20 main endp
21 bscnn proc
22     push bp
23     mov bp, sp
24     push bx
25     push dx
26     push [bp+6]
27     push [bp+4]
28     call uscln
29     mov bx, ax
30     mov ax, [bp+4]
31     mul word ptr [bp+6]
32     div bx
33     pop dx
34     pop bx
35     pop bp
36     ret 4
37 bscnn endp

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