

```

MODULE Test;

CONST empty = "";

PROCEDURE Do*;
  VAR s: ARRAY 10 OF SHORTCHAR;
BEGIN
  s := "";
  IF s = empty THEN HALT(99)
  ELSE HALT(88)
  END
END Do;

END Test.

```

This code is OK, it does not use the named constant empty for comparison:

```

PROCEDURE Do
00000001H: 55                push ebp
00000002H: 8B EC            mov ebp, esp
00000004H: 57                push edi
00000005H: 56                push esi
00000006H: 83 C4 F4          add esp, -12
00000009H: C6 45 EE 00        mov -18[ebp], 0
0000000DH: 80 7D EE 00        cmp -18[ebp], 0
00000011H: 0F 85 08 00 00 00  jnz 8 (0000001FH)
00000017H: 8D F0 63           illegal (HALT 99)
0000001AH: E9 03 00 00 00     jmp 3 (00000022H)
0000001FH: 8D F0 58           illegal (HALT 88)
00000022H: 8D 65 F8           lea esp, -8[ebp]
00000025H: 5E                pop esi
00000026H: 5F                pop edi
00000027H: 5D                pop ebp
00000028H: C3                ret

```

This code is buggy because of using the named constant empty for comparison

```

PROCEDURE Do
00000001H: 55                push ebp
00000002H: 8B EC            mov ebp, esp
00000004H: 57                push edi
00000005H: 56                push esi
00000006H: 83 C4 F4          add esp, -12
00000009H: C6 45 EE 00        mov -18[ebp], 0
0000000DH: 80 7D EE FF        cmp -18[ebp], -1
00000011H: 0F 85 08 00 00 00  jnz 8 (0000001FH)
00000017H: 8D F0 63           illegal (HALT 99)
0000001AH: E9 03 00 00 00     jmp 3 (00000022H)
0000001FH: 8D F0 58           illegal (HALT 88)
00000022H: 8D 65 F8           lea esp, -8[ebp]
00000025H: 5E                pop esi
00000026H: 5F                pop edi
00000027H: 5D                pop ebp
00000028H: C3                ret

```