```
0x402048  mov al, byte ptr [0x403041]
0x40204d  inc al
```

```
0x404563  mov byte ptr [0x403041], al
0x404568  cmp al, 0x5
```

zf=1

```
0x402058  xor eax, eax
0x40205a  mov byte ptr [0x403041], al
0x40205f  movzx eax, byte ptr [0x403ca7]
0x402066  mov bx, word ptr [0x403042]
0x40206d  movzx ecx, al
0x402070  shl cl, 0x1
0x402072  mov word ptr [ecx+0x403048], bx
```

```
0x4046a8  inc al
0x4046aa  cmp al, 0x7
```

cf=0

```
0x40207f  xor al, al
```

cf=1

zf=0

```
0x402081  mov byte ptr [0x403ca7], al
0x402086  shl eax, 0x1
0x402088  mov bx, word ptr [eax+0x403048]
0x40208f  mov word ptr [0x403042], bx
```

```
0x402096  movzx eax, byte ptr [0x403ca7]
0x40209d  shl eax, 0x2
0x4020a0  mov ebx, dword ptr [eax+0x40268b]
0x4020a6  mov ax, word ptr [0x403042]
0x4020ac  xor edx, edx
0x4020ae  mov ecx, 0x8
0x4020b3  div ecx
0x4020b5  add ebx, eax
0x4020b7  mov ebx, dword ptr [ebx]
0x4020b9  bswap ebx
0x4020bb  mov cl, dl
0x4020bd  shl ebx, cl
0x4020bf  add word ptr [0x403042], 0x2
```

```
0x4020c7  test ebx, 0xc0000000
```