

```
sub_401D00 proc near
push    ebx
push    esi
push    edi
mov     esi, edx
mov     edi, eax
mov     ebx, edi
mov     [ebx+8], esi
mov     eax, ebx
add     eax, esi
sub     eax, 0Ch
mov     [eax+8], esi
cmp     esi, 1000h
jg      short loc_401D4E
```

```
loc_401D4E:
cmp     esi, 3C00h
jl      short loc_401D63
```

```
mov     edx, esi
shr     edx, 2
mov     eax, ds:hMem
mov     eax, [eax+edx*4-0Ch]
test   eax, eax
jnz    short loc_401D40
```

```
mov     edx, esi
mov     eax, edi
call   sub_401C68
test   al, al
jnz    short loc_401D7A
```

```
mov     eax, ds:hMem
mov     [eax+edx*4-0Ch], ebx
mov     [ebx+4], ebx
mov     [ebx], ebx
jmp    short loc_401D7A
```

```
loc_401D40:
mov     edx, [eax]
mov     [ebx+4], eax
mov     [ebx], edx
mov     [eax], ebx
mov     [edx+4], ebx
jmp    short loc_401D7A
```

```
loc_401D63:
mov     eax, ds:dword_40C468
mov     ds:dword_40C468, ebx
mov     edx, [eax]
mov     [ebx+4], eax
mov     [ebx], edx
mov     [eax], ebx
mov     [edx+4], ebx
```

```
loc_401D7A:
pop    edi
pop    esi
pop    ebx
retn
sub_401D00 endp
```