```
[org 0x7c00]
mov [BOOT_DISK], dl
CODE_SEG equ GDT_code - GDT_start
DATA_SEG equ GDT_data - GDT_start
lgdt [GDT_descriptor]
mov eax, cr0
or eax, 1
mov cr0, eax
jmp CODE_SEG:start_protected_mode
jmp $
GDT_start:
                                       ; must be at the end of real mode code
    GDT_null:
        dd 0x0
        dd 0x0
    GDT_code:
        dw 0xffff
        dw 0x0
        db 0x0
        db 0b10011010
        db 0b11001111
        db 0x0
    GDT_data:
        dw 0xffff
        dw 0x0
        db 0x0
        db 0b10010010
        db 0b11001111
        db 0x0
GDT_end:
GDT_descriptor:
    dw GDT_end - GDT_start - 1
    {\tt dd} \ {\tt GDT\_start}
[bits 32]
start_protected_mode:
    mov al, 'A'
mov ah, 0x0f
    mov [0xb8000], ax
    jmp $
BOOT_DISK: db 0
times 510-(\$-\$\$) db 0
dw 0xaa55
```

1 de 1 6/12/22, 18:39