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Description

Can you figure out what is in the `eax` register? Put your answer in the picoCTF flag format: `picoCTF{n}` where `n` is the contents of the `eax` register in the decimal number base. If the answer was `0x11` your flag would be `picoCTF{17}`.

Download the assembly dump [here](#).

Hints ?

1

Not everything in this disassembly listing is optimal.

```
Bit-O-Asm3 % cat disassembler-dump0_c.txt
<+0>:    endbr64
<+4>:    push    rbp
<+5>:    mov     rbp, rsp
<+8>:    mov     DWORD PTR [rbp-0x14], edi
<+11>:   mov     QWORD PTR [rbp-0x20], rsi
<+15>:   mov     DWORD PTR [rbp-0xc], 0x9fe1a
<+22>:   mov     DWORD PTR [rbp-0x8], 0x4
<+29>:   mov     eax, DWORD PTR [rbp-0xc]
<+32>:   imul    eax, DWORD PTR [rbp-0x8]
<+36>:   add     eax, 0x1f5
<+41>:   mov     DWORD PTR [rbp-0x4], eax
<+44>:   mov     eax, DWORD PTR [rbp-0x4]
<+47>:   pop     rbp
<+48>:   ret

Bit-O-Asm3 % python3
Python 3.13.0 (v3.13.0:60403a5409f, Oct 7 2024, 00:37:40) [Clang 15.0.0 (clang-1500.3.9.4)] on darwin
Type "help", "copyright", "credits" or "license" for more information.
>>> 0x9fe1a
654874
>>> 0xc
12
>>> 0x8
8
>>> 0x9fe1a
654874
>>> 0x4
4
>>> print(654874 * 4)
2619496
>>> 0x1f5
501
>>> print(2619496 + 501)
2619997
>>> █
```

flag : PicoCTF{2619997}t