ASM Examples

- sum
- swap
- max
- mult with loop
- loop2

The first check jge 24 is saying if %eax is greater than or equal to %edi. But remember we set %eax to 0 a few lines before. We are really checking whether 0 is greater than or equal to %edi ... if %edi less than or equal to 0. If $n \le 0$, we return 0.

In the nested loop, we see %ecx = 4i. Then, depending on the j iteration, we add j. We have the addition pattern

We have 4i + 2j.