

- A. When you try to calculate  $13!$  with the Factorial program, the output is the result of a carry. The largest number EAX can hold is 4,294,967,295. The result of  $13!$  is 6,227,020,800 and will not fit in a 32-bit register.
- B. 48 bytes of stack space will be needed to calculate  $13!$  with the Factorial subroutine.