Stack diagram (left side):

- 0X0F540
- 0X0F528 — $rbp = 0
- ▶ 0X0F520 — $rdi = 0
- 0x128(296)
- rbp 0X0F410
- 0x20(32)
- 0X0F3F0 — number(입력)
- 0X0F3E8 — 복귀주소
- 0X0F3E0 — $rbp2 = 0xF410
- $rdi = 0
- 0X0F3DA
- 0xE8(232)
- new rbp 0X0F310
- 0x20(32)
- 0X0F2F0

Assembly code (right side):

```
main

00007FF7E0B618C0  push     rbp
00007FF7E0B618C2  push     rdi
00007FF7E0B618C3  sub      rsp,128h
00007FF7E0B618CA  lea      rbp,[rsp+20h]
00007FF7E0B618CF  lea      rcx,[__90F445AD_main@c
(07FF7E0B71008h)]
00007FF7E0B618D6  call     __CheckForDebuggerJustMyCode
(07FF7E0B61370h)
00007FF7E0B618DB  mov      dword ptr [input_parameter],3
00007FF7E0B618E2  mov      ecx,dword ptr [input_parameter]
00007FF7E0B618E5  call     for_assembly_function_test (07FF7E0B611CCh)
00007FF7E0B618EA  mov      dword ptr [return_value],eax


for_assembly_function_test

00007FF7E0B61880  mov      dword ptr [rsp+8],ecx
00007FF7E0B61884  push     rbp
00007FF7E0B61885  push     rdi
00007FF7E0B61886  sub      rsp,0E8h
00007FF7E0B6188D  lea      rbp,[rsp+20h]
00007FF7E0B61892  lea      rcx,[__90F445AD_main@c (07FF7E0B71008h)]
00007FF7E0B61899  call     __CheckForDebuggerJustMyCode
(07FF7E0B61370h)
00007FF7E0B6189E  mov      eax,dword ptr [number]
00007FF7E0B618A4  shl      eax,1
00007FF7E0B618A6  lea      rsp,[rbp+0C8h]
00007FF7E0B618AD  pop      rdi
00007FF7E0B618AE  pop      rbp
00007FF7E0B618AF  ret
```