main

```
push rbp
push rdi
sub   rsp, 128h
lea   rbp, [rsp+20h]
lea   rcx, [__7CADF522__main@c ( 07FF6AACB1008h)]
call  __checkForDebuggerJustMyCode (07FF6AACA1370h)
mov   dword ptr [input_parameter], 3
mov   ecx, dword ptr [input_parameter]
call  for_assembly_function_test (07FF6AACA11CCh)
mov   dword ptr [return_value], eax
```

For_assembly_function_test

```
mov   dword ptr [rsp+8], ecx
push  rbp
push  rdi
sub   rsp, 0E8h
lea   rbp, [rsp+20h]
lea   rcx, [__7CADF522_main@c (07FF6AACB1008h)]
call  __CheckForDebuggerJustMycode (07FF6AACA1370h)
mov   eax, dword ptr [number]
shl   eax, 1
lea   rsp, [rbp+0C8h]
pop   rdi
pop   rbp
ret
```

Diagram labels (stack memory):

0xD95AFFAC8 — rbp = 0
0xD95AFFAC0 — rdi = 0
0xD95AFFAB8 — 108h(지역 변수 공간)
128h
0xD95A8FF9B0
0xD95A8FF990 — 20h
0xD95A8FF988 — Input_parameter =3
0xD95A8FF980 — ecx에 input_parameter 주소 입력
0xD95A8FF978 — Call 복귀 주소
0xD95A8FF970 — rbp = 0xD95A8FF980
0xD95A8FF968 — rdi = 0
0e8h — C8h(지역 변수 공간)
0xD95A8FF8a0
0xD95A8FF880 — 20h