

56880 0xde30	rbp
56872 0xde28	0x00000000
56868 0xde24	0x00007fff
56864 0xde20	rsp

scanf 입력 : 6

56880 0xde30	rbp
56872 0xde28	0x00000000
56868 0xde24	0x00007fff
56864 0xde20	6

movl 0x1, -0xc(rbp)

56880 0xde30	rbp
56872 0xde28	0x00000000
56868 0xde24	1
56864 0xde20	6

<+75> jmp <main + 151>

mov -0x10(rbp), eax

eax	6
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cmp eax, -0xc(rbp)

jle <main + 77>

6 >= -0xc(rbp) , -0xc(rbp) 는 6보다 작거나 같으면 점프

mov -0xc(rbp), ecx

ecx	1
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movslq ecx, rax

rax	1
-----	---

shr 0x20, rax

rax	0
-----	---

<+97> mov ecx, eax

eax	1
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<+116> sub edx, eax

eax = eax - edx , 1 = 1 - 0

eax 1

test eax, eax 0 판정

je <+146> 0 이면 점프

<+122> mov -0xc(rbp), eax

eax 1

i = 1

printf("i = %3d\n", i);

<+144> jmp <main + 147>

addl 0x1, -0xc(rbp)

56880 0xde30 rbp

56872 0xde28 0x00000000

56868 0xde24 2

56864 0xde20 6

<+151> mov -0x10(rbp), eax

eax 6

cmp eax, -0xc(rbp)

jle <main + 77>

6 >= 2 작거나 같으므로 77로 점프

<+77> mov -0xc, ecx

ecx 2

<+114> mov ecx, eax

eax 2

sub edx, eax

test eax, eax (2 , 2)

je <main + 146>

결과 0 이 아니므로 122 로 이동

mov -0xc(rbp), eax

eax 2

i = 2

printf("i = %3d\n", i);

<+147> addl 0x1, -0xc

56880 0xde30 rbp

56872 0xde28 0x00000000

56868 0xde24 3

56864 0xde20 6

mov -0x10(rbp) , eax

eax 6

cmp eax, -0xc(rbp)

jle <main + 77>

6 >= 3 작거나 같으므로 77로 점프

mov -0xc(rbp), ecx

ecx 3

<+99> sar 0x1f, eax

eax 0

<+104> sub eax (0) , esi (1)

esi 1

<+106> mov esi, eax

eax 1

<+108> mov eax, edx

edx 1

<+110> add edx, edx

edx 2

<+112> add eax, edx
edx 3

<+114> mov ecx, eax
eax 3

<+116> sub edx, eax
eax 0

test eax, eax (0 , 0)

je <main + 146>

결과 0 이므로 146 으로 점프

<+147> addl 0x1, -0xc(rbp)
56880 0xde30 rbp
56872 0xde28 0x00000000
56868 0xde24 4
56864 0xde20 6

mov -0x10(rbp), eax
eax 6

cmp eax, -0xc(rbp)
jle <main + 77>
6 >= 4 작거나 같으므로 77로 점프

mov -0xc, ecx
ecx 4

<+99> sar 0x1f, eax
eax 0

<+104> sub eax (0) , esi (1)
esi 1

<+110> add edx (1) , edx (1)
edx 2

<+112> add eax, edx
edx 3

<+114> mov ecx, eax
eax 4

<+116> sub edx (3), eax (4)
eax 1

test eax, eax (1 , 1)

je <main + 146>

결과 0 이 아니므로 122 로 이동

mov -0xc(rbp), eax
eax 4
i = 4
printf("i = %3d\n", i);