```
bush
push
mov
call
      %rdi,%rbp
       eax, %eax
test
jle
mov
lea
          1(%rax),%eax
(%rbp,%rax,4),%r12
lea
mov
      $0x0.%ebp
      (%rbx).%edi
mov
call
      add
add
cmp
jne
       ebp, %eax
mov
      $0x0,%ebp
mov
      32
jmp
```