```
push %r14
                       push %rbx
                       movslq 0x1c(%rdi),%r8
                       mov 0x58(%rdi),%rax
                       mov (%rsi),%r9
                       imul %rax,%r9
                       add 0x28(%rdi),%r9
                       add %r9,%rax
                       cmp %r8,%rax
                       mov %r8,%rcx
                       cmovle %rax,%rcx
                       test %r8,%r8
                       cmovs %rax,%rcx
                       sub %r9,%rcx
                       test %rcx,%rcx
                       ile 0x7ffff7fcbb8f <adi kernel4+303>
                            No Jump
                                                Jump
             mov (%rdi),%r11
             mov 0x8(%rdi),%rdx
             mov 0x10(%rdi),%r14
             mov 0x18(%rdi),%edi
             mov %rcx,%rax
             sar $0x3,%rax
             mov %rcx,%r10
             and $0xfffffffffffff8.%r10
             sub %r10,%rcx
             test %rax,%rax
             je 0x7ffff7fcbb20 <adi kernel4+192>
                  No Jump
                                      Jump
            mov %r8d,%ebx
            imul %edi,%ebx
            lea -0x1(%rdi),%esi
            imul %r8d,%esi
            add %r9d,%esi
            add %r9d,%ebx
                nopl (%rax)
movslq %ebx,%rbx
movslq %esi,%rsi
vmovups (%r14,%rsi,4),%ymm0
vmulps (%r11,%rbx,4),%ymm0,%ymm0
vdivps (%rdx,%rsi,4),%ymm0,%ymm0
vmovups (%r14,%rbx,4),%ymm1
vsubps %ymm0,%ymm1,%ymm0
vmovups %ymm0,(%r14,%rbx,4)
vmovups (%r11,%rbx,4),%vmm0
vmulps %ymm0,%ymm0,%ymm0
vdivps (%rdx,%rsi,4),%ymm0,%ymm0
vmovups (%rdx,%rbx,4),%ymm1
vsubps %ymm0,%ymm1,%ymm0
vmovups %ymm0,(%rdx,%rbx,4)
add $0x8,%esi
add $0x8,%ebx
add $0xfffffffffffffff,%rax
jne 0x7ffff7fcbad0 <adi kernel4+112>
     No Jump
                         Jump
              test %rcx,%rcx
              je 0x7ffff7fcbb8f <adi kernel4+303>
                   No Jump
                                      Jump
            mov %r8d,%eax
            imul %edi,%eax
            add $0xffffffff,%edi
            imul %r8d,%edi
            add %r9,%r10
            add %r10d,%edi
            add %r10d,%eax
            nopl 0x0(\%rax,\%rax,1)
     cltq
     movslq %edi,%rdi
     vmovss (%r14,%rdi,4),%xmm0
     vmulss (%r11,%rax,4),%xmm0,%xmm0
     vdivss (%rdx,%rdi,4),%xmm0,%xmm0
     vmovss (%r14,%rax,4),%xmm1
     vsubss %xmm0,%xmm1,%xmm0
     vmovss %xmm0,(%r14,%rax,4)
     vmovss (%r11,%rax,4),%xmm0
     vmulss %xmm0,%xmm0,%xmm0
     vdivss (%rdx,%rdi,4),%xmm0,%xmm0
     vmovss (%rdx,%rax,4),%xmm1
     vsubss %xmm0,%xmm1,%xmm0
     vmovss %xmm0,(%rdx,%rax,4)
     add $0x1,%edi
     add $0x1,%eax
     add $0xffffffffffffff,%rcx
     jne 0x7ffff7fcbb40 <adi kernel4+224>
          No Jump
                              Jump
                                          pop %rbx
                                          pop %r14
                                          vzeroupper
                                              ret
```

adi kernel4