Main Function:

0x0000000000000079 <+0>: push %rbp

0x000000000000007a <+1>: mov %rsp,%rbp

0x000000000000007d <+4>: sub $0x20,%rsp

0x0000000000000081 <+8>: mov %fs:0x28,%rax

0x000000000000008a <+17>: mov %rax,-0x8(%rbp)

0x000000000000008e <+21>: xor %eax,%eax

0x0000000000000090 <+23>: movl $0x0,-0x14(%rbp)

0x0000000000000097 <+30>: mov -0x14(%rbp),%eax

0x000000000000009a <+33>: cmp $0x5,%eax

0x000000000000009d <+36>: je 0x308 <main+655>

0x00000000000000a3 <+42>: lea 0x0(%rip),%rsi # 0xaa <main+49>

0x00000000000000aa <+49>: lea 0x0(%rip),%rdi # 0xb1 <main+56>

0x00000000000000b1 <+56>: callq 0xb6 <main+61>

0x00000000000000b6 <+61>: lea 0x0(%rip),%rsi # 0xbd <main+68>

0x00000000000000bd <+68>: lea 0x0(%rip),%rdi # 0xc4 <main+75>

0x00000000000000c4 <+75>: callq 0xc9 <main+80>

0x00000000000000c9 <+80>: lea 0x0(%rip),%rsi # 0xd0 <main+87>

0x00000000000000d0 <+87>: lea 0x0(%rip),%rdi # 0xd7 <main+94>

0x00000000000000d7 <+94>: callq 0xdc <main+99>

0x00000000000000dc <+99>: lea 0x0(%rip),%rsi # 0xe3 <main+106>

0x00000000000000e3 <+106>: lea 0x0(%rip),%rdi # 0xea <main+113>

0x00000000000000ea <+113>: callq 0xef <main+118>

0x00000000000000ef <+118>: lea 0x0(%rip),%rsi # 0xf6 <main+125>

0x00000000000000f6 <+125>: lea 0x0(%rip),%rdi # 0xfd <main+132>

0x00000000000000fd <+132>: callq 0x102 <main+137>

0x0000000000000102 <+137>: lea 0x0(%rip),%rsi # 0x109 <main+144>

0x0000000000000109 <+144>: lea 0x0(%rip),%rdi # 0x110 <main+151>

0x0000000000000110 <+151>: callq 0x115 <main+156>

0x0000000000000115 <+156>: lea -0x14(%rbp),%rax

0x0000000000000119 <+160>: mov %rax,%rsi

0x000000000000011c <+163>: lea 0x0(%rip),%rdi # 0x123 <main+170>

0x0000000000000123 <+170>: callq 0x128 <main+175>

0x0000000000000128 <+175>: mov -0x14(%rbp),%eax

0x000000000000012b <+178>: cmp $0x1,%eax

0x000000000000012e <+181>: jne 0x1c9 <main+336>

0x0000000000000134 <+187>: lea -0x10(%rbp),%rax

0x0000000000000138 <+191>: mov %rax,%rsi

0x000000000000013b <+194>: lea 0x0(%rip),%rdi # 0x142 <main+201>

0x0000000000000142 <+201>: callq 0x147 <main+206>

0x0000000000000147 <+206>: mov %rax,%rdx

0x000000000000014a <+209>: lea -0xc(%rbp),%rax

0x000000000000014e <+213>: mov %rax,%rsi

0x0000000000000151 <+216>: mov %rdx,%rdi

0x0000000000000154 <+219>: callq 0x159 <main+224>

0x0000000000000159 <+224>: mov -0x10(%rbp),%eax

0x000000000000015c <+227>: mov %eax,%esi

0x000000000000015e <+229>: lea 0x0(%rip),%rdi # 0x165 <main+236>

0x0000000000000165 <+236>: callq 0x16a <main+241>

0x000000000000016a <+241>: lea 0x0(%rip),%rsi # 0x171 <main+248>

0x0000000000000171 <+248>: mov %rax,%rdi

0x0000000000000174 <+251>: callq 0x179 <main+256>

0x0000000000000179 <+256>: mov %rax,%rdx

0x000000000000017c <+259>: mov -0xc(%rbp),%eax

0x000000000000017f <+262>: mov %eax,%esi

0x0000000000000181 <+264>: mov %rdx,%rdi

0x0000000000000184 <+267>: callq 0x189 <main+272>

0x0000000000000189 <+272>: lea 0x0(%rip),%rsi # 0x190 <main+279>

0x0000000000000190 <+279>: mov %rax,%rdi

0x0000000000000193 <+282>: callq 0x198 <main+287>

0x0000000000000198 <+287>: mov %rax,%rcx

0x000000000000019b <+290>: mov -0x10(%rbp),%edx

0x000000000000019e <+293>: mov -0xc(%rbp),%eax

0x00000000000001a1 <+296>: sub %eax,%edx

0x00000000000001a3 <+298>: mov %edx,%eax

0x00000000000001a5 <+300>: mov %eax,%esi

0x00000000000001a7 <+302>: mov %rcx,%rdi

0x00000000000001aa <+305>: callq 0x1af <main+310>

0x00000000000001af <+310>: mov %rax,%rdx

0x00000000000001b2 <+313>: mov 0x0(%rip),%rax # 0x1b9 <main+320>

0x00000000000001b9 <+320>: mov %rax,%rsi

0x00000000000001bc <+323>: mov %rdx,%rdi

0x00000000000001bf <+326>: callq 0x1c4 <main+331>

0x00000000000001c4 <+331>: jmpq 0x97 <main+30>

0x00000000000001c9 <+336>: mov -0x14(%rbp),%eax

0x00000000000001cc <+339>: cmp $0x2,%eax

0x00000000000001cf <+342>: jne 0x268 <main+495>

0x00000000000001d5 <+348>: lea -0x10(%rbp),%rax

0x00000000000001d9 <+352>: mov %rax,%rsi

0x00000000000001dc <+355>: lea 0x0(%rip),%rdi # 0x1e3 <main+362>

0x00000000000001e3 <+362>: callq 0x1e8 <main+367>

0x00000000000001e8 <+367>: mov %rax,%rdx

0x00000000000001eb <+370>: lea -0xc(%rbp),%rax

0x00000000000001ef <+374>: mov %rax,%rsi

0x00000000000001f2 <+377>: mov %rdx,%rdi

0x00000000000001f5 <+380>: callq 0x1fa <main+385>

0x00000000000001fa <+385>: mov -0x10(%rbp),%eax

0x00000000000001fd <+388>: mov %eax,%esi

0x00000000000001ff <+390>: lea 0x0(%rip),%rdi # 0x206 <main+397>

0x0000000000000206 <+397>: callq 0x20b <main+402>

0x000000000000020b <+402>: lea 0x0(%rip),%rsi # 0x212 <main+409>

0x0000000000000212 <+409>: mov %rax,%rdi

0x0000000000000215 <+412>: callq 0x21a <main+417>

0x000000000000021a <+417>: mov %rax,%rdx

0x000000000000021d <+420>: mov -0xc(%rbp),%eax

0x0000000000000220 <+423>: mov %eax,%esi

0x0000000000000222 <+425>: mov %rdx,%rdi

0x0000000000000225 <+428>: callq 0x22a <main+433>

0x000000000000022a <+433>: lea 0x0(%rip),%rsi # 0x231 <main+440>

0x0000000000000231 <+440>: mov %rax,%rdi

0x0000000000000234 <+443>: callq 0x239 <main+448>

0x0000000000000239 <+448>: mov %rax,%rcx

0x000000000000023c <+451>: mov -0x10(%rbp),%edx

0x000000000000023f <+454>: mov -0xc(%rbp),%eax

0x0000000000000242 <+457>: add %edx,%eax

0x0000000000000244 <+459>: mov %eax,%esi

0x0000000000000246 <+461>: mov %rcx,%rdi

0x0000000000000249 <+464>: callq 0x24e <main+469>

0x000000000000024e <+469>: mov %rax,%rdx

0x0000000000000251 <+472>: mov 0x0(%rip),%rax # 0x258 <main+479>

0x0000000000000258 <+479>: mov %rax,%rsi

0x000000000000025b <+482>: mov %rdx,%rdi

0x000000000000025e <+485>: callq 0x263 <main+490>

0x0000000000000263 <+490>: jmpq 0x97 <main+30>

0x0000000000000268 <+495>: mov -0x14(%rbp),%eax

0x000000000000026b <+498>: cmp $0x3,%eax

0x000000000000026e <+501>: jne 0x97 <main+30>

0x0000000000000274 <+507>: lea -0x10(%rbp),%rax

0x0000000000000278 <+511>: mov %rax,%rsi

0x000000000000027b <+514>: lea 0x0(%rip),%rdi # 0x282 <main+521>

0x0000000000000282 <+521>: callq 0x287 <main+526>

0x0000000000000287 <+526>: mov %rax,%rdx

0x000000000000028a <+529>: lea -0xc(%rbp),%rax

0x000000000000028e <+533>: mov %rax,%rsi

0x0000000000000291 <+536>: mov %rdx,%rdi

0x0000000000000294 <+539>: callq 0x299 <main+544>

0x0000000000000299 <+544>: mov -0x10(%rbp),%eax

0x000000000000029c <+547>: mov %eax,%esi

0x000000000000029e <+549>: lea 0x0(%rip),%rdi # 0x2a5 <main+556>

0x00000000000002a5 <+556>: callq 0x2aa <main+561>

0x00000000000002aa <+561>: lea 0x0(%rip),%rsi # 0x2b1 <main+568>

0x00000000000002b1 <+568>: mov %rax,%rdi

0x00000000000002b4 <+571>: callq 0x2b9 <main+576>

0x00000000000002b9 <+576>: mov %rax,%rdx

0x00000000000002bc <+579>: mov -0xc(%rbp),%eax

0x00000000000002bf <+582>: mov %eax,%esi

0x00000000000002c1 <+584>: mov %rdx,%rdi

0x00000000000002c4 <+587>: callq 0x2c9 <main+592>

0x00000000000002c9 <+592>: lea 0x0(%rip),%rsi # 0x2d0 <main+599>

0x00000000000002d0 <+599>: mov %rax,%rdi

0x00000000000002d3 <+602>: callq 0x2d8 <main+607>

0x00000000000002d8 <+607>: mov %rax,%rcx

0x00000000000002db <+610>: mov -0x10(%rbp),%eax

0x00000000000002de <+613>: mov -0xc(%rbp),%esi

0x00000000000002e1 <+616>: cltd

0x00000000000002e2 <+617>: idiv %esi

0x00000000000002e4 <+619>: mov %eax,%esi

0x00000000000002e6 <+621>: mov %rcx,%rdi

0x00000000000002e9 <+624>: callq 0x2ee <main+629>

0x00000000000002ee <+629>: mov %rax,%rdx

0x00000000000002f1 <+632>: mov 0x0(%rip),%rax # 0x2f8 <main+639>

0x00000000000002f8 <+639>: mov %rax,%rsi

0x00000000000002fb <+642>: mov %rdx,%rdi

0x00000000000002fe <+645>: callq 0x303 <main+650>

0x0000000000000303 <+650>: jmpq 0x97 <main+30>

0x0000000000000308 <+655>: mov $0x0,%eax

0x000000000000030d <+660>: mov -0x8(%rbp),%rcx

0x0000000000000311 <+664>: xor %fs:0x28,%rcx

0x000000000000031a <+673>: je 0x321 <main+680>

0x000000000000031c <+675>: callq 0x321 <main+680>

0x0000000000000321 <+680>: leaveq

0x0000000000000322 <+681>: retq

DisplayMenu function:

0x0000000000000000 <+0>: push %rbp

0x0000000000000001 <+1>: mov %rsp,%rbp

0x0000000000000004 <+4>: lea 0x0(%rip),%rsi # 0xb <\_Z11DisplayMenuv+11>

0x000000000000000b <+11>: lea 0x0(%rip),%rdi # 0x12 <\_Z11DisplayMenuv+18>

0x0000000000000012 <+18>: callq 0x17 <\_Z11DisplayMenuv+23>

0x0000000000000017 <+23>: lea 0x0(%rip),%rsi # 0x1e <\_Z11DisplayMenuv+30>

0x000000000000001e <+30>: lea 0x0(%rip),%rdi # 0x25 <\_Z11DisplayMenuv+37>

0x0000000000000025 <+37>: callq 0x2a <\_Z11DisplayMenuv+42>

0x000000000000002a <+42>: lea 0x0(%rip),%rsi # 0x31 <\_Z11DisplayMenuv+49>

0x0000000000000031 <+49>: lea 0x0(%rip),%rdi # 0x38 <\_Z11DisplayMenuv+56>

0x0000000000000038 <+56>: callq 0x3d <\_Z11DisplayMenuv+61>

0x000000000000003d <+61>: lea 0x0(%rip),%rsi # 0x44 <\_Z11DisplayMenuv+68>

0x0000000000000044 <+68>: lea 0x0(%rip),%rdi # 0x4b <\_Z11DisplayMenuv+75>

0x000000000000004b <+75>: callq 0x50 <\_Z11DisplayMenuv+80>

0x0000000000000050 <+80>: lea 0x0(%rip),%rsi # 0x57 <\_Z11DisplayMenuv+87>

0x0000000000000057 <+87>: lea 0x0(%rip),%rdi # 0x5e <\_Z11DisplayMenuv+94>

0x000000000000005e <+94>: callq 0x63 <\_Z11DisplayMenuv+99>

0x0000000000000063 <+99>: lea 0x0(%rip),%rsi # 0x6a <\_Z11DisplayMenuv+106>

0x000000000000006a <+106>: lea 0x0(%rip),%rdi # 0x71 <\_Z11DisplayMenuv+113>

0x0000000000000071 <+113>: callq 0x76 <\_Z11DisplayMenuv+118>

0x0000000000000076 <+118>: nop

0x0000000000000077 <+119>: pop %rbp

0x0000000000000078 <+120>: retq