

```

.data
str1: .string "cZ3,,c/.^hi"
str2: .string ",X+OKxsJL0Y+X*6r<HFt7D5d<cE5M?V24k1gQaA2HyPdXn"
str3: .string "haha_this_aint_no_flag!!\n"
      .balign 4

.text
.global main

main:  stp    x29, x30, [sp, -16]!
      mov    x29, sp

      mov    x4, 0

setup: ldr    x1, =str1
      mov    x2, 0

inc:   ldrb   w3, [x1]
      add    w3, w3, 1
      strb   w3, [x1]
      add    x1, x1, 1
      add    x2, x2, 1
      cmp    x2, 11
      b.ne   inc
      add    x4, x4, 1
      cmp    x4, 5
      b.ne   setup

setup2: ldr    x0, =str2
      ldr    x1, =str3
      mov    x2, 0

smush: ldrb   w3, [x0], 0x01
      ldrb   w4, [x0], 0x01
      eor    w3, w3, w4
      strb   w3, [x1]
      add    x1, x1, 1
      add    x2, x2, 2
      cmp    x2, 46
      b.ne   smush

setup3: ldr    x0, =str3
      add    x0, x0, 1
      ldr    x1, =str1
      mov    x9, 0

rplc:  ldrb   w11, [x1]
      strb   w11, [x0]
      add    x0, x0, 2
      add    x1, x1, 1
      add    x9, x9, 2
      cmp    x9, 22
      b.ne   rplc

print: adrp    x0, str3
      add     x0, x0, :lo12:str3
      bl     printf

finish: ldp    x29, x30, [sp], 16
      ret

```