```
equals.s
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/**
* equals.s
// ***********
         string_equals subroutine
// * > This routine takes in two string par-*
// * > -ameters in X1 and X2, and returns a *
// * > boolean comparison (case sensitive) *
// * > into XO. It preserves all registers *
// * > except X0.
// *************
.data
   example: .asciz "Example"
.text
.global equals
   equals:
       STR X19, [SP, #-16]!
       STP X1, X2, [SP, #-32]!
   loop:
       LDRB W0, [X1], #1
       LDRB W19, [X2], #1
       CMP W0, W19
       B.NE false
       CMP W0, #0
       B.NE loop
   true:
       MOV X0, #1
       B end
   false:
       MOV X0, #0
   end:
       LDP X1, X2, [SP], #32
       LDR X19, [SP], #16
       RET
```