```
/**
 * lstindxoffrm - Returns the last occurrence of character ch in the given Strin
g.
 *
 * @param x0: Address of the target string to search.
 * @param x1: Char to find in the target string
 * @param x2: Index to start the search at
 * @return x0: Index
 */


.text
.global lstindxoffrm
    lstindxoffrm:
        //Change last index to ptr
        add x2, x2, x0
        sub x2, x2, #1
    loop:
        cmp x2, x0
        b.lt error
        ldrb w3, [x2], #-1
        cmp w3, w1
        b.eq found
        b loop
    found:
        add x2, x2, #1
        sub x0, x2, x0
        ret
    error:
        mov x0, #-1
        ret
```