## Session 3 - September 13, 2022

		1

Dutch National Flag Problem:
b: an - 0,1 and 2 only
You mud to soot this array in place?
000001
1: [0001111 # #1 (d 12 11 22)
<del></del>
aursort (): O(N-logN)
ones, zuos and twos: count; O(N)
one = Øx g & y 8 zuos = Øx 23 6 in-place) twos = Ø 1 2
2005 = 8x 23 6 (in-P)
twos = 81 (2)
w: 6000007/111111121

a

Uft ngut 0 0 if aurli] == 1 : elif arcij == 0: arcij, arcytj = arcytj, arcij else : auli], aulight]= aurlight], auli] right -= |

# Back Space String Compare: s: abc#a#b t: abb#b ↑ : abb ; abb Are they equal not equal? # next valid Index: S: abc#a H b viz t: abb # b

backspace = 0

Next Dolig character: index

valid Index (string, index) bayespace = 0 while ( index > 0): if string [index] == '#':
backspace += | elif bayespace > 0: bayespace -= 1 return index