4 AL(n) time -ACI) Space Can mostly array In-place 3,4,-1,1 -> 2 so neg. on lebb, pos ou Mehb (pivob = 0) 9-1;(3,4,1) country sort CANT DO! Counting Sort USES -1, 1, 3, 4 CXtra Space WHY I KENN WHEN I I -Sturt X = mun taln 2166 to prev = 0 WHITE (In corray) { H6 X > 1 return array [prov index] t) else goto Next return 1;

-72 3 Ftems in our partition -1, 1, 3, 4 No multer which, solution is e1Aer 1,2,3,4 Puratter size + 1 possibilitéres Since any pos # we an use Nez. The carray etenes trills for G=partition index to carray: S/2e) H (crrsny(i) $\leq S$ and array(1) ≥ 1) Ander = [array [] - | Compatition work to partition I+(array = 1 Acx] @ 000 > 0) Mex array [Index] (#= -1 -1,4,3,1 (actual partitioned positions) JARREL 26 At the purtition haster 9-1,-4,3)-1 9 (Index of 3) - partitum/hdex to 1 for (12 Portition Macx to array size) { He carray [] >0) return i - partition index + 1 return 5 - Portlebon Maex +/