8.1 (2)
The worst time complexity for brokent sout depends on two things, the distribution of brokers of the mosted souting algorithm, in this con insurvious sout
worst cox is when all elements one in one breket. He bucketing is O(n) but norting
worst cox is when all elements one in one breect. He becauting is $O(n)$ but norting $n$ elements in 1 bucket with insertion sort will be $O(n^2)$ time complexity. If the buckets were more and each bucket had less than no elements, this obsprithm would be $O(n + m^2)$ when $m$ is maxelem in any bucket
8.2 b pudis sort olyppends on K (num of digits in elements) & n (number of elements)
for each digit the algorithm performs stable count sont which is O(n+4) per oligit this results in a time complexity of O(n · (n+d).

week &