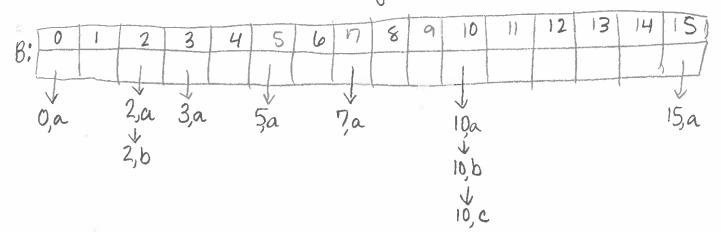
Illustrate the execution of Bucket-sort on the following input S of key element pairs: 2, 16, 6, 15, 15, (5,a), (10,a), (2,a), (3,a), (2,b), (15,a), (7,a), (10,b), (0,a), (10,c) step 1: construct B of size 16 (since largest element in S is 15)



step 2: For each cell of B, empty each item into sorted list (0,a), (2,a), (2,b), (3,a), (5,a), (7,a), (10,a), (10,b), (10,c), (15,a)