

Review 7

1. Illustrate the operation of COUNTING-SORT on the array $A=\{6,2,1,3,1,3,2\}$.

A	6	2	1	3	1	3	2
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	1	2	3	4	5	6
C	2					1

	1	2	3	4	5	6	7
B				2			

	1	2	3	4	5	6	7
B							

	1	2	3	4	5	6	7
B							

	1	2	3	4	5	6	7
B							

	1	2	3	4	5	6
C	2					7

	1	2	3	4	5	6
C	2	3	6	6	6	7

	1	2	3	4	5	6
C						

	1	2	3	4	5	6
C						

	1	2	3	4	5	6
C						

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2. Fill in the following RADIX-SORT example.

C O W
D O G
S E A
R U G
R O W
M O B
B O X
T A B
B A R
E A R
T A R



S	E	A
M	O	B
T	A	B
D	O	G
R	U	G
B	A	R
E	A	R
T	A	R
C	O	W
R	O	W
B	O	X

[illegible][illegible]