## **Cycle 3 Part A Test Cases**

## Q1:

Case No	Input	Output
1	5 12 21 34 435 54 n s b a	2 2 3 3 1
2	8 12 213 324 4356 54 647 768 87 n s b a	1 8 7 5

3	12 124 213 324 415 546 6579 768 87910 96810 1091112 11 1012 12 10 11 n s b a	1 12 2 4
4	9 1234 21 31456 413 537 637 756 89 98 n s b a	2 2 7 2 2 2

5	6 123 213 312456	1 6 -1 1
	4 3 6 5 3 6 6 3 4 5	'
	n s b a	
	t	

## **Q2**:

Case No.	Input	Output
1	6	-1
	010000	2
	001000	
	100100	
	000001	
	000100	
	000010	
	l t	
	c	
	x	

2	9 011000000 001000000 000100000 00001000 000001000 000000	1 9
3	7 0100000 0010000 0001011 0000100 0100000 000000	-1 3
4	9 011100001 000111000 000000111 00000000	1 9

5	6	-1
	000000	2
	101000	
	000100	
	000010	
	110001	
	000100	
	l t	
	c	
	x	

## Q3:

Case No	Input	Output
1	7	026
	0 1 2 3	1
	10	
	2456	
	3 0	
	4 2	
	5 2	
	6 2	
	a 0 6	
	t	
	x	

2	5 0134 1023 2134 3012 402 a03 t	0 1 2 3 0 1 3 0 3 0 4 2 1 3 0 4 2 3 -1
3	10 01239 10 2045 3067 42 52 638 73 869 908 t a05 a06 x	-1 025 036 0986
4	6 012 102 2013 3245 435 534 t a51	-1 53201 5321 543201 54321

5	6	1
	0 1	214
	102345	215
	21	21
	3 1	210
	4 1	
	5 1	
	t	
	a 2 4	
	a 2 5	
	a 2 1	
	a 2 0	
	x	