

Session Name: 19 - Recursion 4-11-2023 10-37 AM

Date Created: 4/11/23, 10:29:10 AM Active Participants: 58 of 82

Average Score: 38.22% Questions: 6

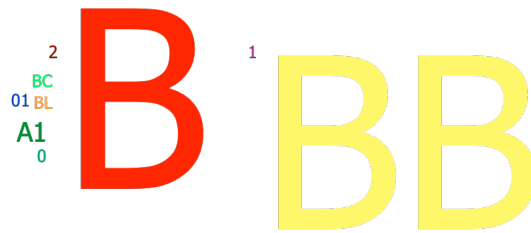
Results by Question

1. Please do question 1, which is displayed on the screens in class. (Short Answer)

Responses		
	Percent	Count
B	43.86%	25
BB (c)	42.11%	24
A1	3.51%	2
0	1.75%	1
01	1.75%	1
1	1.75%	1
2	1.75%	1
BC	1.75%	1
BL	1.75%	1
Totals	100%	57

Keyword(s): BB

Keyword Matches: 24



2. Please do question 2, which is displayed on the screens in class. (Short Answer)

Responses		
	Percent	Count
A1A1	24.56%	14
A1A1AA (c)	21.05%	12
A1A1A	19.3%	11
11	5.26%	3
A1A	5.26%	3
1A	3.51%	2

A1A1A1	3.51%	2
011111	1.75%	1
1	1.75%	1
11A	1.75%	1
11AA	1.75%	1
A	1.75%	1
A1AA1A	1.75%	1
AAAA	1.75%	1
ALAL	1.75%	1
ALALAA	1.75%	1
B1D	1.75%	1
Totals	100%	57

Keyword(s): A1A1AA
Keyword Matches: 12



3. Please do question 3, which is displayed on the screens in class. (Short Answer)

	Responses	
	Percent	Count
BA1D	29.82%	17
BA1DDAB (c)	21.05%	12
BA1DAB	5.26%	3
BA1DD	5.26%	3
BA1DB	3.51%	2
BAD	3.51%	2
011	1.75%	1
0121123	1.75%	1
11	1.75%	1
113	1.75%	1
1AB	1.75%	1
1B1AD	1.75%	1
A	1.75%	1
A1A1B	1.75%	1
B0	1.75%	1
BA	1.75%	1
BA1ADDB	1.75%	1
BA1DA	1.75%	1
BA1DDD	1.75%	1
BADDAB	1.75%	1
BALD	1.75%	1
BALDDAIB	1.75%	1
BCIDE	1.75%	1
DA1B	1.75%	1
Totals	100%	57

Keyword(s): BA1DDAB

Keyword Matches: 12

BA1DDAB

BA **BA1D** BADDAB
1AB

B⁰ BAD A¹¹ BA1DAB BA1DD
113 A1A1B 1B1AD BA1DB 011 BA1DDD
BA1ADDB BC1DE BALD DA1B 0121123
BALDDAIB BA1DA

4. Please do question 4, which is displayed on the screens in class. (Short Answer)

Responses		
	Percent	Count
$O(N) (c)$	60%	33
$N (c)$	12.73%	7
2^N	5.45%	3
NLOGN	3.64%	2
$O(N^2)$	3.64%	2
$O(N)$	1.82%	1

2N	1.82%	1
N^2	1.82%	1
N^N	1.82%	1
O(1)	1.82%	1
O(2^N)	1.82%	1
O(LOG N)	1.82%	1
ON	1.82%	1
Totals	100%	55

Keyword(s): O(n);n
Keyword Matches: 40

$O(\log N)$
 2^N $N \log N$ $O(N)$ $O(2^N)$

O(N)

N^2 $O(1)$ N $O(N^2)$ N^N $2N$

5. Please do question 5, which is displayed on the screens in class. (Short Answer)

Responses

	Percent	Count
O(N) (c)	46.43%	26
N (c)	8.93%	5
N^2	8.93%	5
2N	5.36%	3
O(1)	5.36%	3
0	3.57%	2
0(N)	1.79%	1
0(N^2)	1.79%	1
1	1.79%	1
2^N	1.79%	1
4 BIT	1.79%	1
?	1.79%	1
N^N	1.79%	1
O(1^N)	1.79%	1
O(2^N)	1.79%	1
O(2N)	1.79%	1
O(LOGN)	1.79%	1
ON	1.79%	1
Totals	100%	56

Keyword(s): O(n);n

Keyword Matches: 31

4 BIT $O(1)$ $2N$ N^2 $O(N^2)$

O(N)

$O(\text{LOG}N)$ $O(2^N)$ N 0 $O(N)$ $O(1^N)$
 $O(2N)$ 1 $O(N)$ $O(N)$ N^N 2^N

6. Please do the "Bonus Question", which is displayed on the screens in class.
 (Short Answer)

Responses		
	Percent	Count
O(N)	28.57%	16
$O(N^2)$ (c)	21.43%	12
N	17.86%	10
O(1)	8.93%	5
2N	5.36%	3
N^2 (c)	3.57%	2

0LOGN	1.79%	1
2N^2	1.79%	1
?	1.79%	1
LOGN	1.79%	1
NLOGN	1.79%	1
O(N LOG N)	1.79%	1
O(N!)	1.79%	1
ON	1.79%	1
Totals	100%	56

Keyword(s): O(n^2);n^2;n*n
Keyword Matches: 14

$O(N \log N)$ $2N$ N $O(1)$
?
OLOGN ON

$O(N)$
2N^2 LOGN NLOGN O(N!) N^2

$O(N^2)$