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Test #2 BRAC

On this test I got 4/4 for the first part and a 6/8 on the second part, what I was missing on the second part was the initial check for conquered or not. I used the merge sort to sort everything by frequency then compared everything to the second spot but forgot to compare the second spot to the first to see if it was conquered. So starting with index 0 and 1 I would compare them and see if 1 is conquered if not I would use one and compare it to everything else marking what is and is not conquered. I would then traverse through the array to the next non conquered element and compare that to all following non conquered elements. If index 1 was conquered I would move to index 2 and compare it to index 1, this would continue until there was not conquered and that would be used as the first comparison element. Another way would be to use index 0 and compare starting with that to everything and then move down the line to each next non conquered element and compare as stated before.

Ex,

Index	0	1	2	3	4	5	6	7	8
Freq	2.5	2.4	2.3	2.2	2.1	2.0	1.9	1.8	1.7
MEM	10	15	9	16	5	6	13	11	8
Conq									

First path using index 0 as comparison, compare 0 to 1, 0 to 2, etc till 0,8.

Index	0	1	2	3	4	5	6	7	8
Freq	2.5	2.4	2.3	2.2	2.1	2.0	1.9	1.8	1.7
MEM	10	15	9	16	5	6	13	11	8
Conq	0	0	1	0	1	1	0	0	1

Second Pass using index 1 as comparison now

Index	0	1	2	3	4	5	6	7	8
Freq	2.5	2.4	2.3	2.2	2.1	2.0	1.9	1.8	1.7
MEM	10	15	9	16	5	6	13	11	8
Conq	0	0	1	0	1	1	1	1	1

Third Pass using index 3 as comparison

Index	0	1	2	3	4	5	6	7	8
Freq	2.5	2.4	2.3	2.2	2.1	2.0	1.9	1.8	1.7
MEM	10	15	9	16	5	6	13	11	8
Conq	0	0	1	0	1	1	1	1	1

Pass 4 will continue through till the end realizing that there are no other non-conquered elements.