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AP Computer Science

Week 16 Vocab

1. I attempted to use Stirling’s formula to count binary trees
2. Stirling’s formula is often used when counting tree sets
3. Stirling’s formula can be modified to count tree maps
4. In my implementation of Stirling’s formula, I used hash function
5. Stirling’s formula can also be used to approximate permutations
6. Stirling’s formula is often used to approximate the derangement numbers
7. The tree set consisted of all of the binary trees that could possibly be made from the starting tree
8. The binary tree had a tree map at every node, which made things very complicated
9. The hash function assigned each binary tree to a number
10. By using a random number generator, the programmer was able to create thousands of permutations of binary trees
11. The binary tree had a derangement number at each of its nodes
12. The difference between tree set and tree map is that the tree set implements Set and tree maps implement Map
13. The hash function assigned objects to each of the locations on the tree set
14. The tree set stored trees that stored all the possible permutations for a random event
15. The permutation of the tree sets was a derangement
16. The hash function assigned thousands of points to the tree map
17. The tree map only contained permutations of the word that were not derangements
18. The tree map only contained permutations of the word that were not derangements
19. The hash function assigned hash numbers to all the permutations of the random event
20. The hash function made sure that the resulting has was a derangement
21. Derangements are a subset of permutations