

Chat GPT Experiment Reflection

Please answer the following questions after you've completed BOTH contests in the experiment (with ChatGPT and without). Please type your responses and submit as a .pdf file.

- 1) Which contest were you assigned for ChatGPT, (a) Tries, or (b) Graphs I?
- 2) In your ChatGPT contest, on which question(s), if any, was ChatGPT able to give you a 100% correct response without any editing from you?
- 3) In your ChatGPT contest, on which question(s) was ChatGPT helpful, but you had to edit or add to the response it gave you?
- 4) In your ChatGPT contest, which prompts (that you created and gave to ChatGPT), if you happen to remember them, were most helpful to you during your ChatGPT contest?
- 5) To what extent did ChatGPT help your performance, as best as you can estimate, based on how you did with it in one contest and without it in the other one?
- 6) Is there any way in which ChatGPT was a hindrance to you during the ChatGPT contest? If so, how?
- 7) Summarize what you've learned from this experience and what, if anything, you think might be relevant or useful to you in the future?

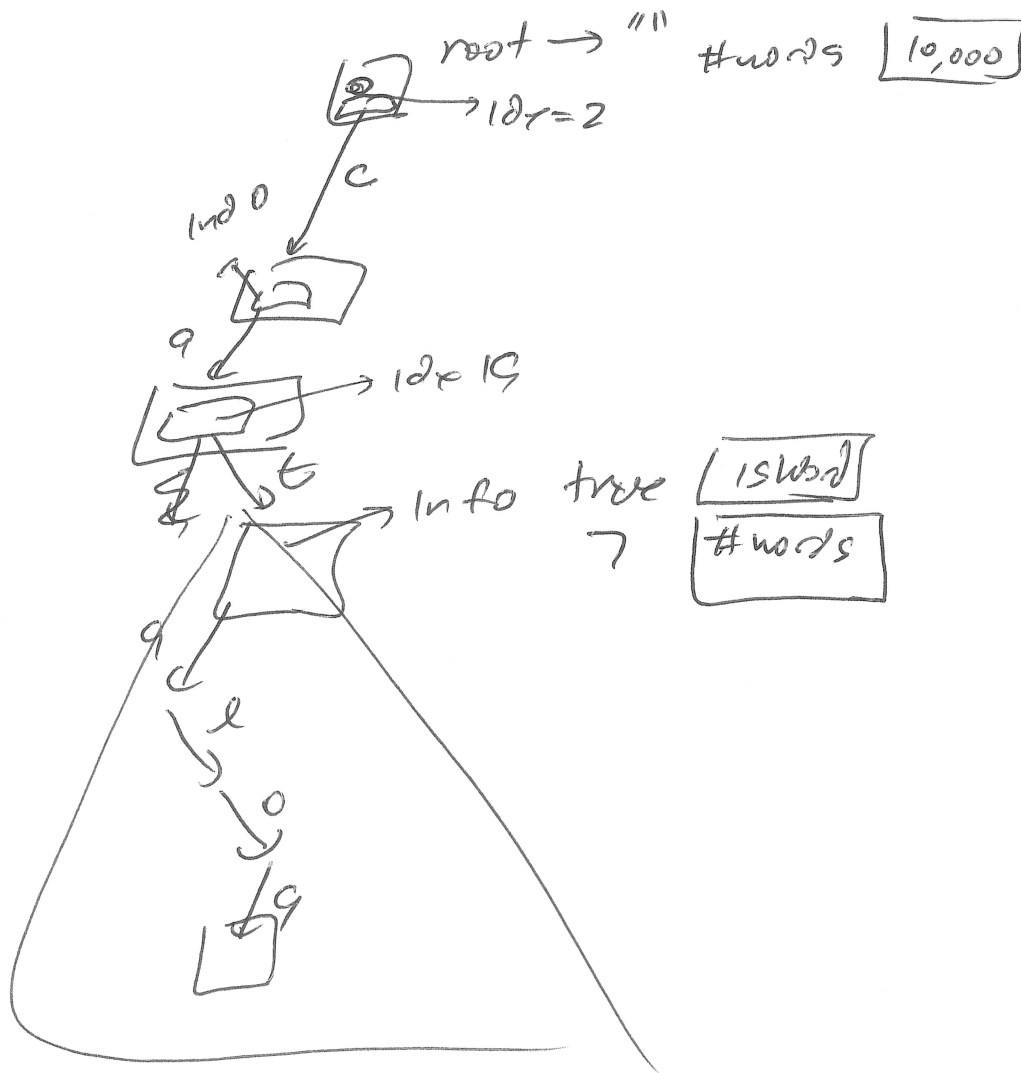
Trees

Store words (typically use case lots of relatively short strings, sometimes we can use for longer ones too)

Struct

Info

26 ptrs/references indexed 0 to 25
(represent implicitly letters 'a' 'z')



Given a list of scabbles via freq array

NAELTER

0	4	11	13	17	19						
1	0	2	0	1	0	1	0	1	0	1	0

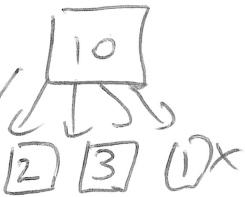
```
void go (node* root, int* freq, char* pre, int k) {
    if (root == NULL) return;
    if (root->isWord) {
        pre[k] = '\0';
        printf("%s\n", pre);
    }
    for (int i = 0; i < 26; i++) { // C-'a' index
        if (freq[i] == 0) continue; // if had used letters instead
        freq[i]--;
        pre[k] = (char)('a' + i);
        go (root->kid[i], freq, pre, k+1);
        freq[i]++;
    }
}
```

Alien Rhyme

Read words in reverse store in tree

PROL → LORP

TARPOL → LOPRAT



Options: no match, do recursive

① cases

② match 2, 8 left ⇒

run recursion

if sum of kids ≤ 8

add 1 more pair!