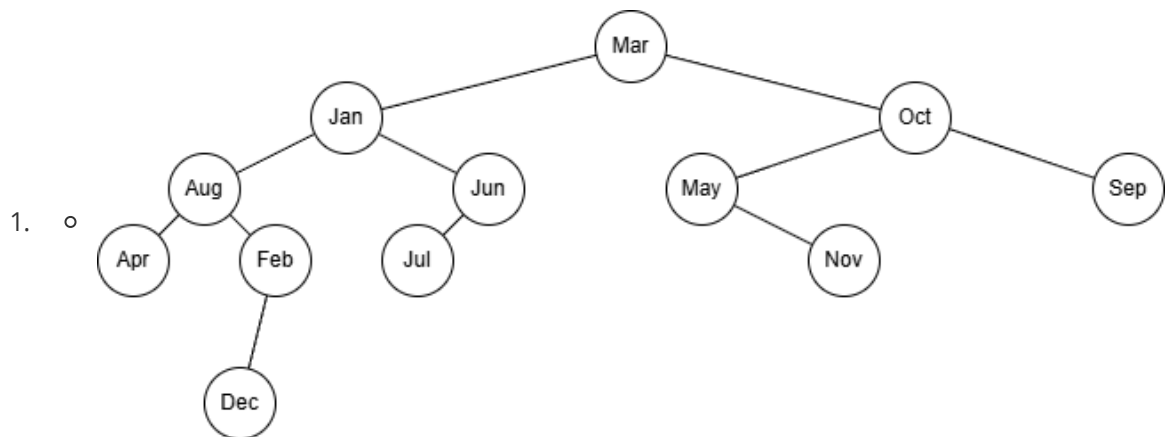


HW8

一. 选择题

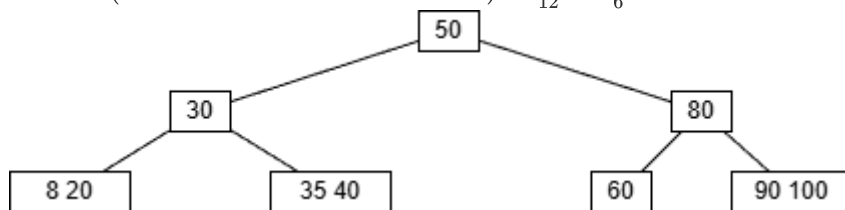
1. C;

二. 应用题

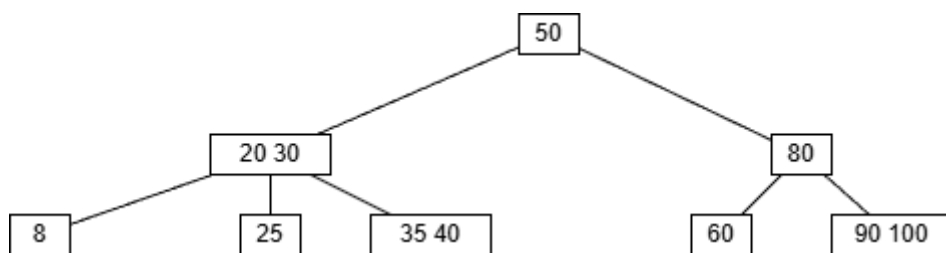


○ $ASL = (1 + 2 \times 2 + 4 \times 3 + 4 \times 4 + 5) \times \frac{1}{12} = \frac{19}{6}$

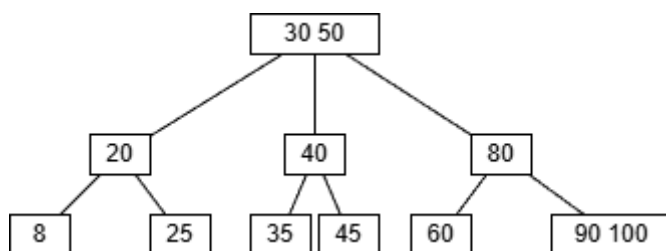
2. ○

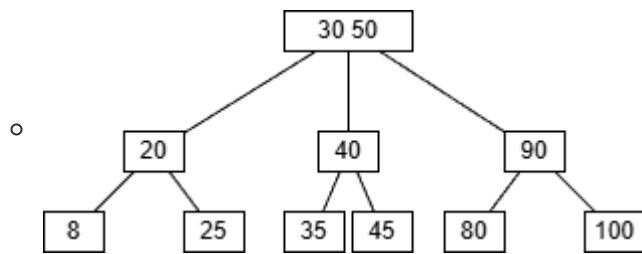


○



○





三. 算法设计题

- ```
1 // 一般来说，平衡二叉树是存高度的对吧 /yiw
2 int get_height(AVLNode* root)
3 {
4 if (root == NULL) return 0;
5 if (root->b > 0) return get_height(root->left) + 1;
6 return get_height(root->right) + 1;
7 }
```