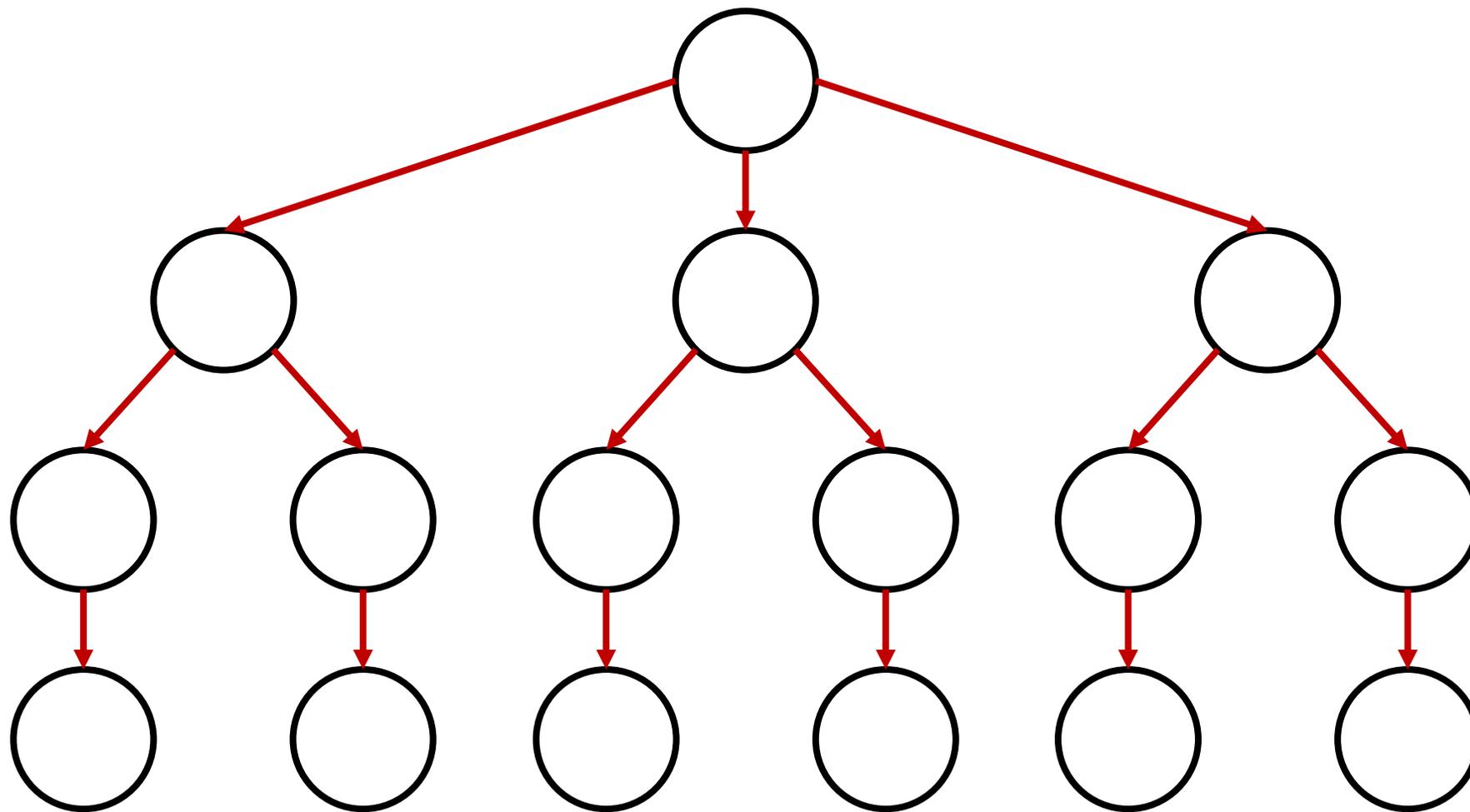


第九讲：自然数的拆分问题-P2404

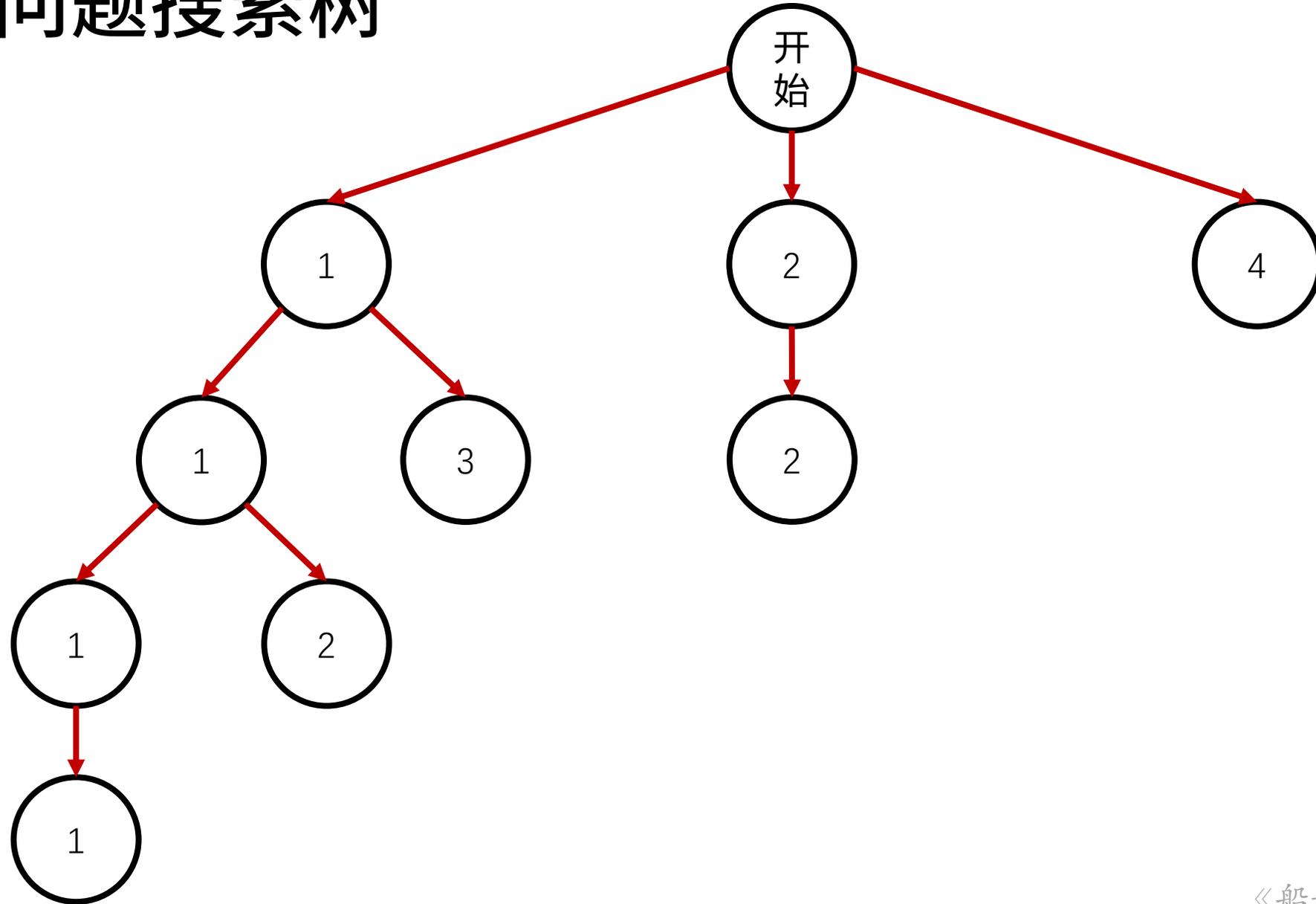
胡船长

初航我带你，远航靠自己

一、问题搜索树



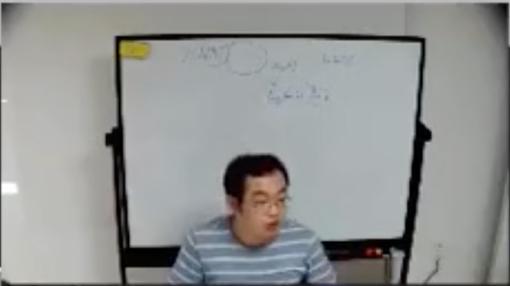
一、问题搜索树



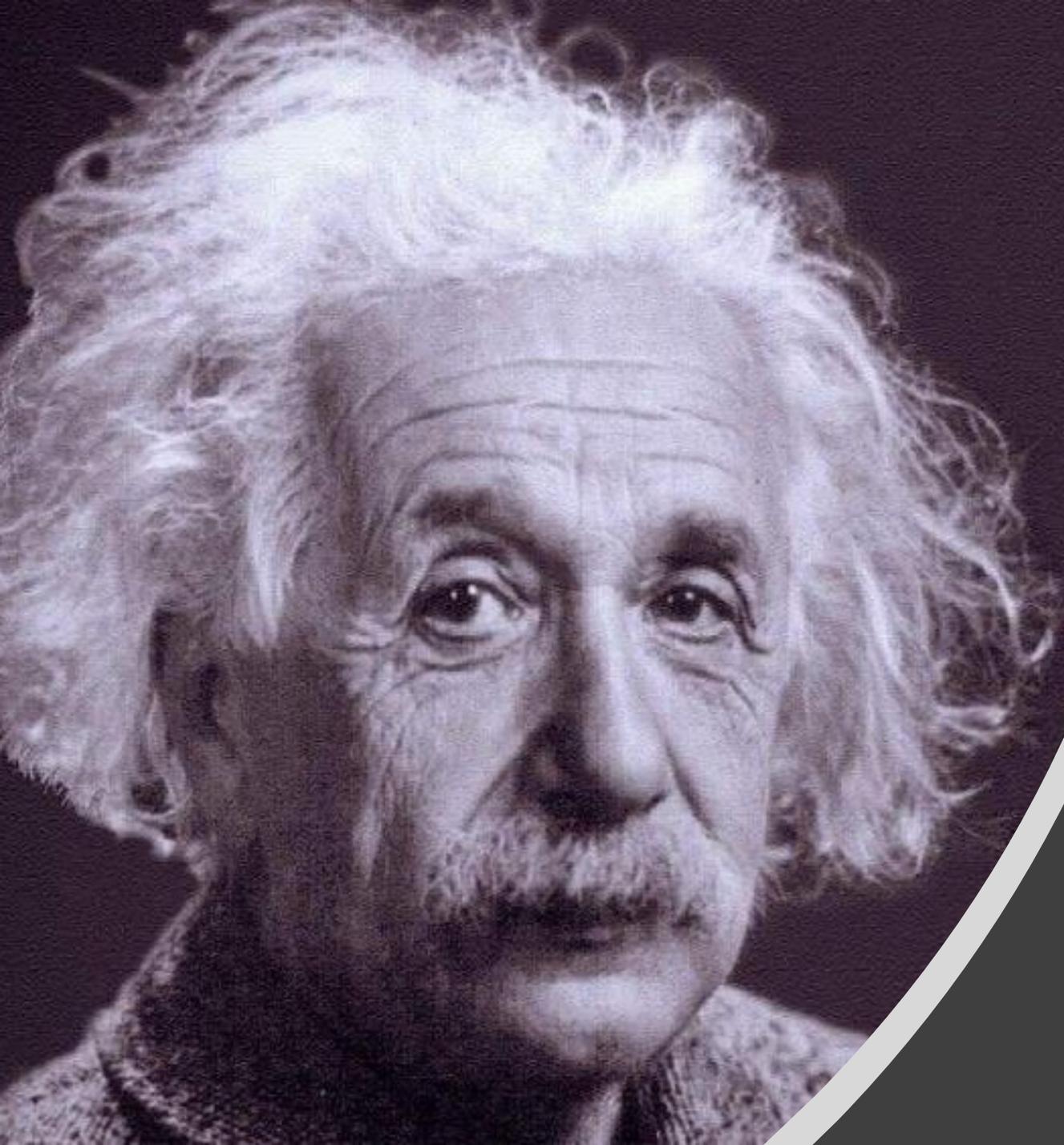
二、搜索优化

1. 拆分数字逐渐变大
2. 拆分可行性判断【具体看代码】

```
1. vim
vim #1 bash #2 bash #3
39 }
40
41 Node *insert_maintain(Node *root) {
42     if (!hasRedChild(root)) return root;
43     if (root->lchild->color == RED && root->rchild->color == RED, {
44         if (!hasRedChild(root->lchild) && !hasRedChild(root->rchild)) return root;
45         root->color = RED;
46         root->lchild->color = root->rchild->color = BLACK;
47         return root;
48     }
49     if (root->lchild->color == RED) {
50         if (!hasRedChild(root->lchild)) return root;
51
52
53     } else {
54         if (!hasRedChild(root->rchild)) return root;
55
56     }
57
58 }
59
60
61 Node *__insert(Node *root, int key) {
62     if (root == NIL) return getNewNode(key);
```



自然数的拆分问题-P2404：代码演示



为什么
会出一样的题目？