

```
1. #include<iostream>
2. #include<cstring>
3. using namespace std;
4. void dfs_pre(char*in , char*pos , int len){
5.     if(len<=0)return;
6.     int p = strchr(in,pos[len-1])-in;
7.     cout<<pos[len-1];
8.     dfs_pre(in,pos,p);
9.     dfs_pre(in+p+1,pos+p,len-p-1);
10. }
11. void dfs_pos(char *in, char*pre , int len ){
12.     if(len<=0)return;
13.     int p = strchr(in,pre[0])-in;
14.     dfs_pos(in,pre+1,p);
15.     dfs_pos(in+p+1,pre+p+1,len-p-1);
16.     cout<<pre[0];
17. }
18. int main(){
19.     char pre[]="ABDGHCEFI",in[]="GDHBAECIF",pos[]="GHDBEIFCA";
20.     dfs_pos(in,pre,strlen(in));
21.     cout<<endl;
22.     dfs_pre(in,pos,strlen(in));
23.     cout<<endl;
24.     return 0;
25. }
```