最近公共祖先(LCA)

DFS部分

查询LCA部分

```
int lca(int x, int y)
    if (depth[x] < depth[y])</pre>
        swap(x, y);
    for (int i = 22; i >= 0; --i)
    {
        if (depth[father[x][i]] >= depth[y])
            x = father[x][i];
    if (x == y)
        return x;
    for (int i = 22; i >= 0; --i)
        if (father[x][i] != father[y][i])
            x = father[x][i];
            y = father[y][i];
    }
    return father[x][0];
}
```