# 已知数据格式，实现一个函数 fn 找出链条中所有的父级 id

## 题目描述

const list = [{  
 id: '1',  
 name: 'test1',  
 children: [  
 {  
 id: '11',  
 name: 'test11',  
 children: [  
 {  
 id: '111',  
 name: 'test111'  
 },  
 {  
 id: '112',  
 name: 'test112'  
 }  
 ]  
  
 },  
 {  
 id: '12',  
 name: 'test12',  
 children: [  
 {  
 id: '121',  
 name: 'test121'  
 },  
 {  
 id: '122',  
 name: 'test122'  
 }  
 ]  
 }  
 ]  
}];  
const id = '112'  
const fn = (value) => {  
...  
}  
fn(id, list) // 输出 [1， 11， 112]

## 代码

function fn(id, list) {  
 const match = list.find(item => item.id === id);  
 if (match) return [id];  
 const sub = list.find(item => id.startsWith(item.id));  
 return [sub.id].concat(fn(id, sub.children));  
}