1.  
public static void swap(int[] l,int i,int j){  
 int temp=l[i];  
 l[i]=l[j];  
 l[j]=temp;  
}  
  
public static int fengedian(int[] l,int left,int right){  
 *//使用第一个数为枢轴数* int x=l[left];  
 int i=left,j=right;  
 while (true){  
 *//使用i<=j让他们可以穿过对方的身体* while (i<=j && l[i]<=x) i++;*//当大于时就会停止* while (i<=j && l[j]>=x) j--;*//当小于时就会停止  
 //交换* if(i<j)  
 *swap*(l, i, j);  
 else break;  
 }  
 *swap*(l, left, j);  
 return j;  
}  
  
public static int zhaoKxiaoyuansu(int[] l,int left,int right,int k){  
 int fengedian = *fengedian*(l,left,right);  
 if(fengedian==k-1){  
 return l[fengedian];  
 }  
 if(fengedian>k-1){  
 return *zhaoKxiaoyuansu*(l, left, fengedian-1,k);*//在左边找* }else {  
 return *zhaoKxiaoyuansu*(l,fengedian+1,right,k);*//右边找* }  
}  
  
  
  
  
public static void main(String[] args) {  
 int[] l={9,2,7,4,4,6,3,8,9};  
 int i = *zhaoKxiaoyuansu*(l, 0, l.length - 1, 5);  
 System.*out*.println(i);  
}

输出结果:

6

2.

1. {a,b}
2. {b}
3. {a,c}
4. 对吧
5. 用图

*//二部图*static int[] *M* = {2, 2, 0, 5, 3, 5, 7, 4};  
  
static boolean dfs(int start, int v, Set<Integer> set) {  
 if (!set.add(v)) {  
 *//判断是否回到原点* return v == start;  
 }  
 return *dfs*(start, *M*[v], set);  
}  
  
static Set<Integer> zuidapipei() {  
 Set<Integer> result = new HashSet<>();  
 for (int i = 0; i < *M*.length; i++) {  
 Set<Integer> s = new HashSet<>();  
 boolean dfs = *dfs*(i, i, s);  
 if (dfs) {  
 result.addAll(s);  
 }  
 }  
 return result;  
}  
  
public static void main(String[] args) {  
 Set<Integer> zuidapipei = *zuidapipei*();  
 System.*out*.println(zuidapipei);  
}

结果输出：

[0, 2, 5]