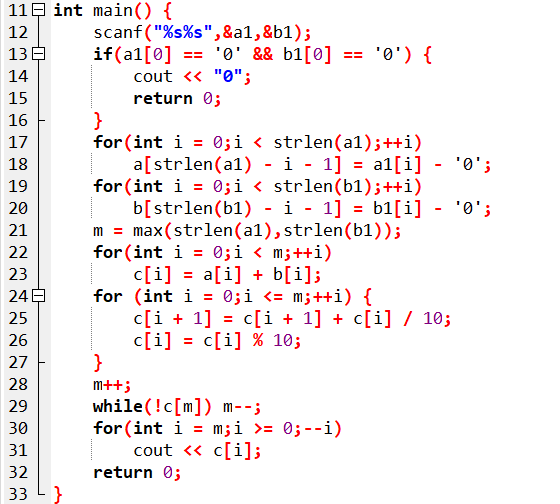
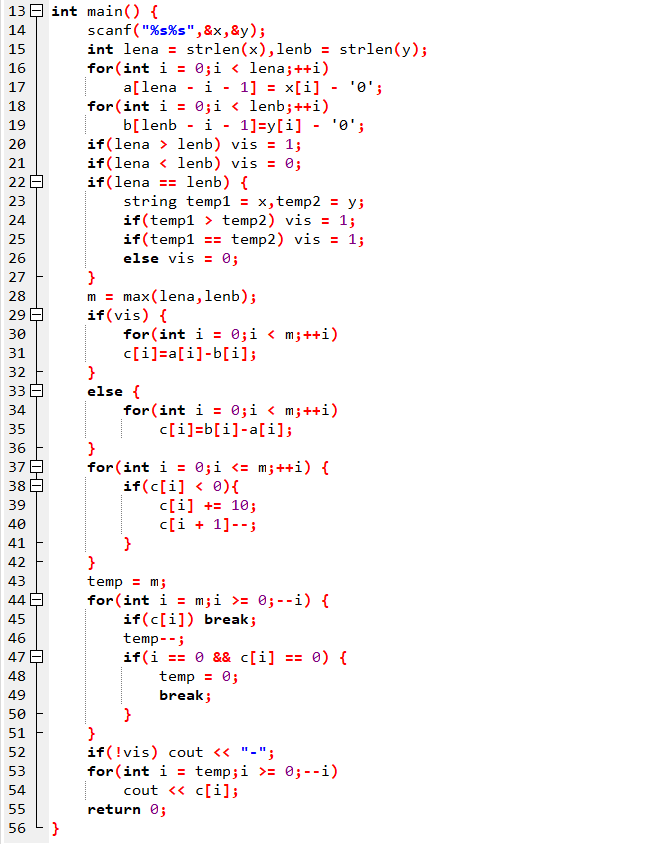
高精度运算

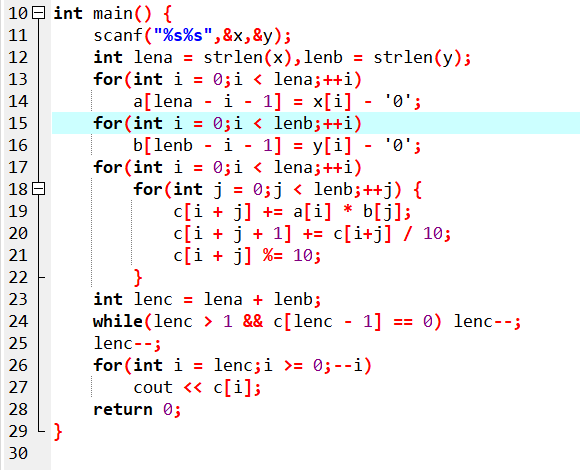
**高精度加法：**



**高精度减法：**

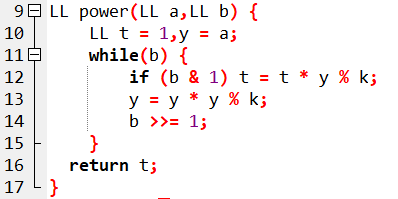


**高精度乘法：**

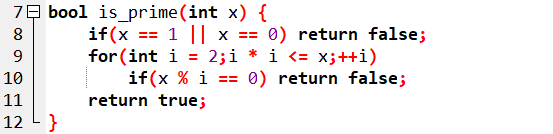


## 数学

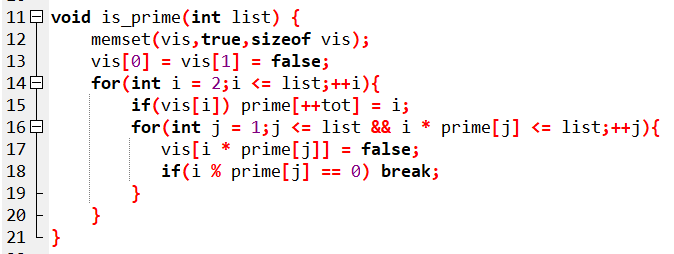
**快速幂：**



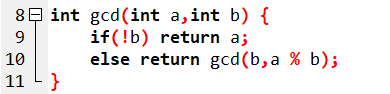
**埃式素数判定：**



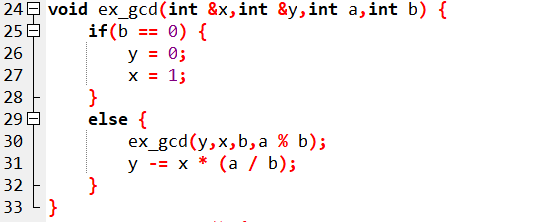
**欧拉筛素数：**

****

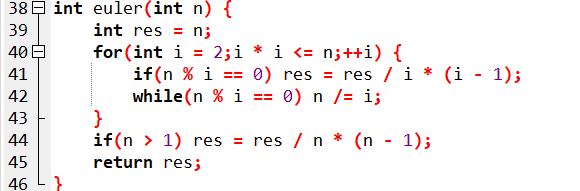
**欧几里得算法：**



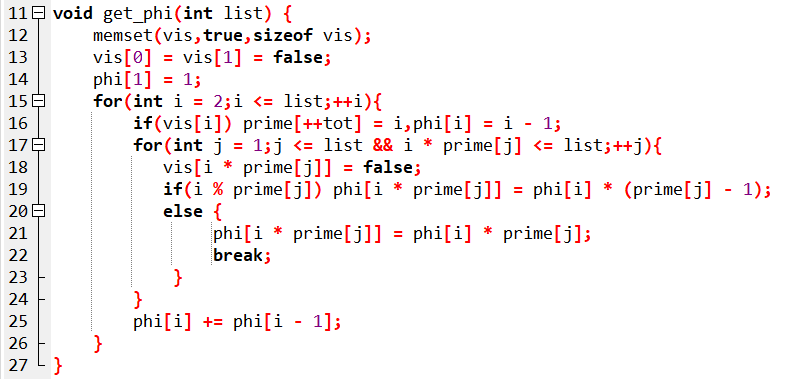
**拓展欧几里得：**



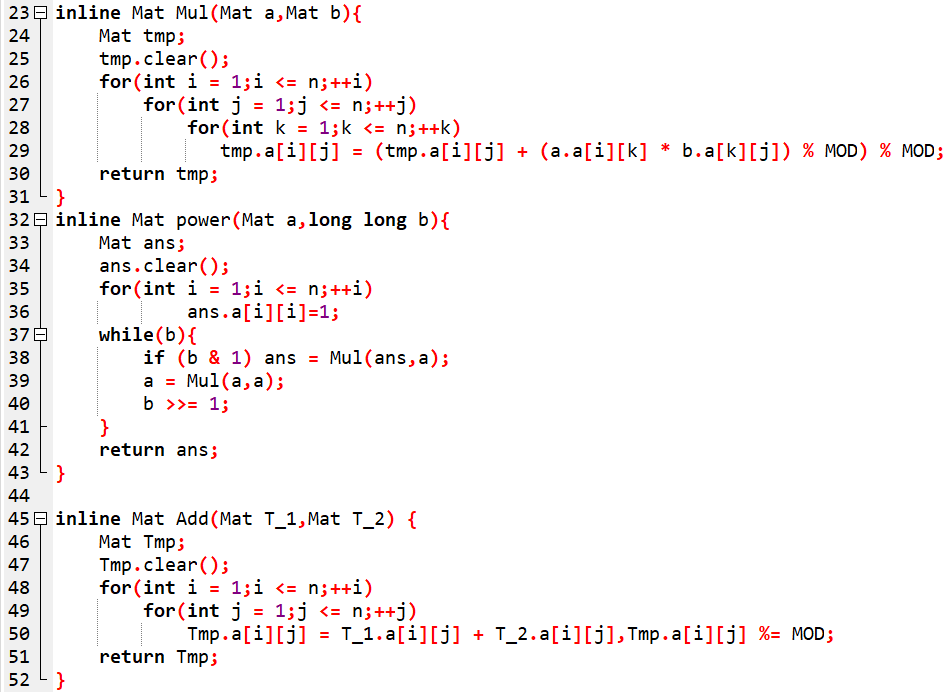
**欧拉函数：**



**线性筛欧拉函数：**

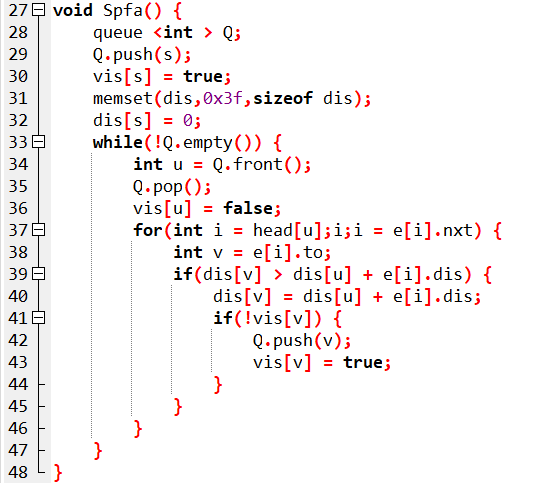


**矩阵运算：**

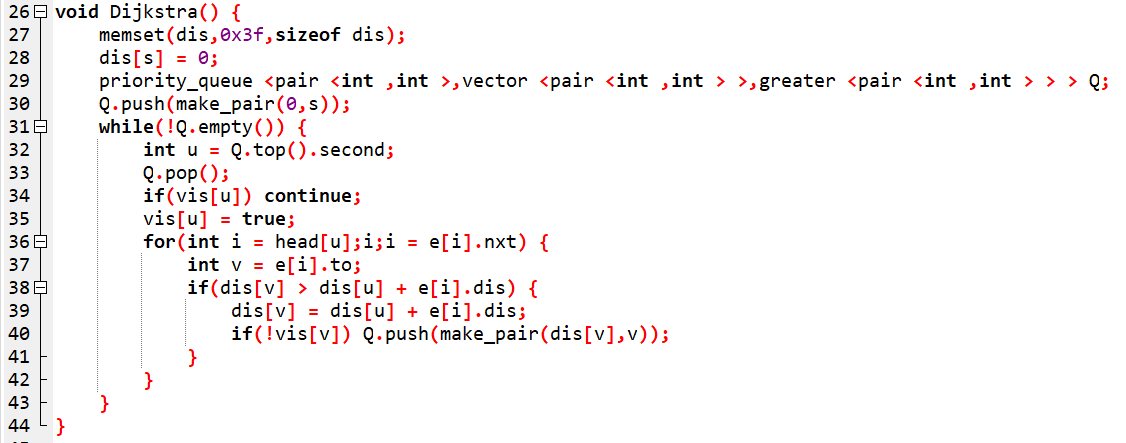


## 图论

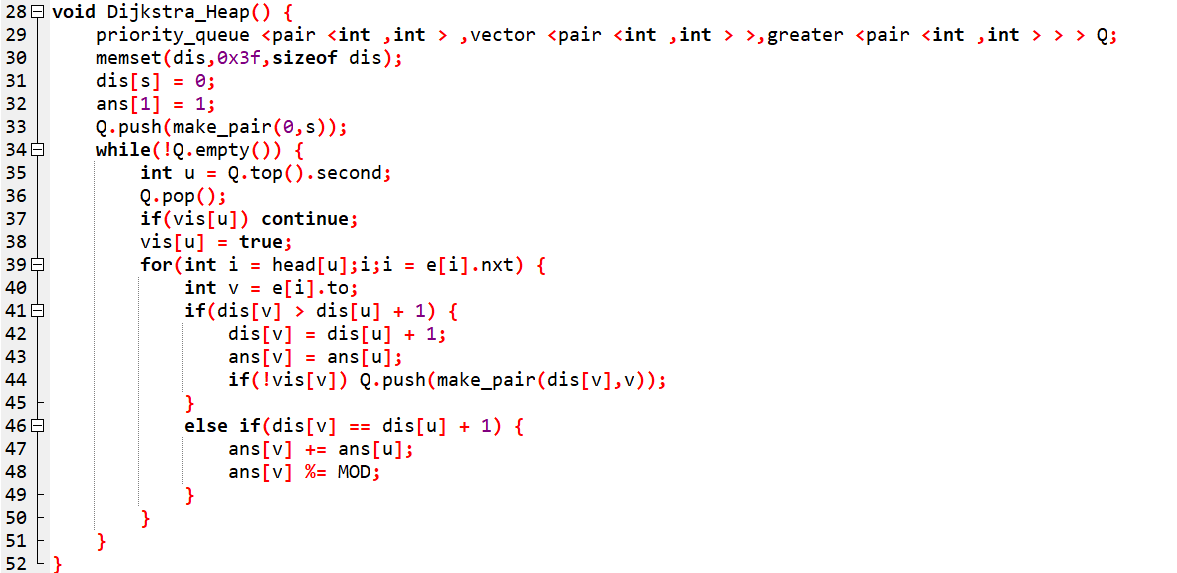
**SPFA算法：**



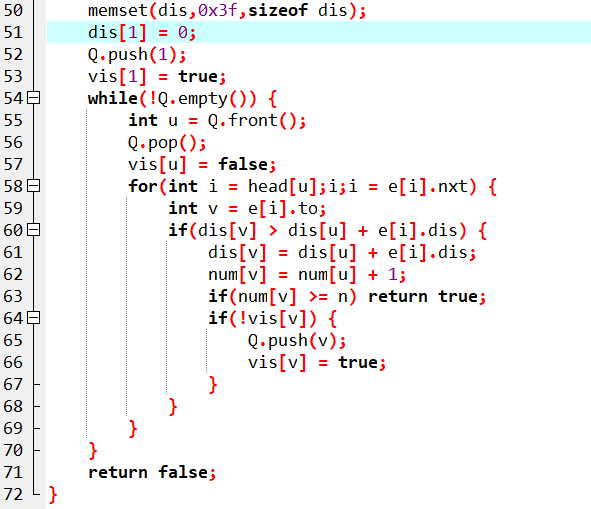
**Dijkstra算法：**



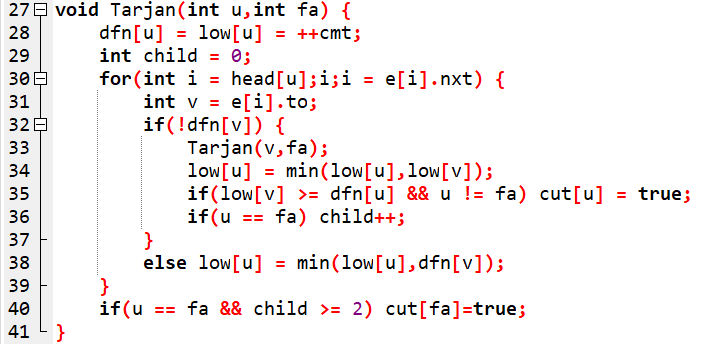
**最短路计数：**



**负环：**

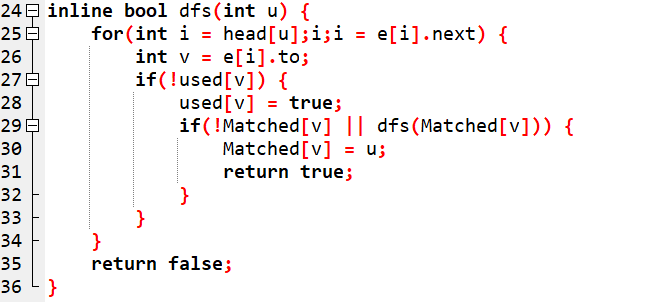


**Tarjan割点：**

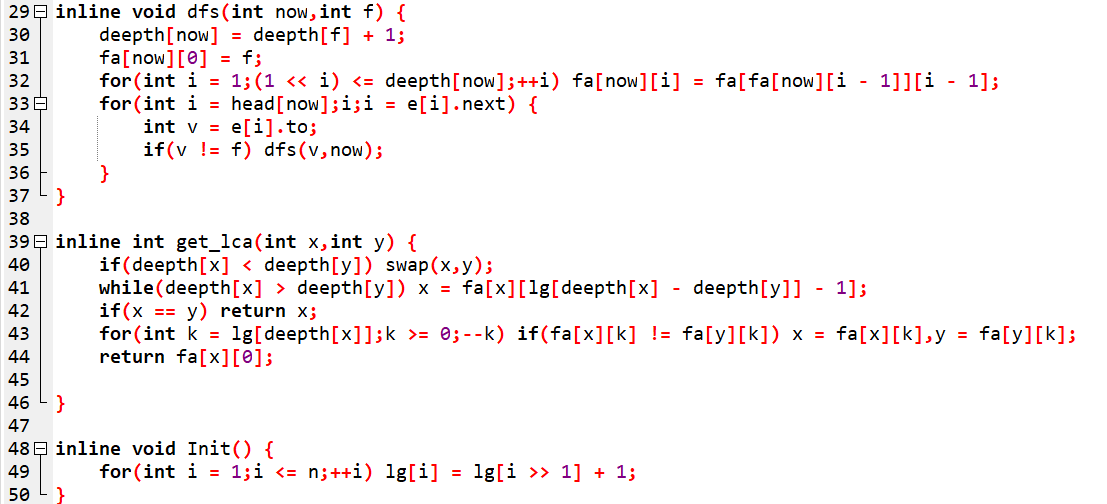


**Tarjan强连通分量（缩点）：**

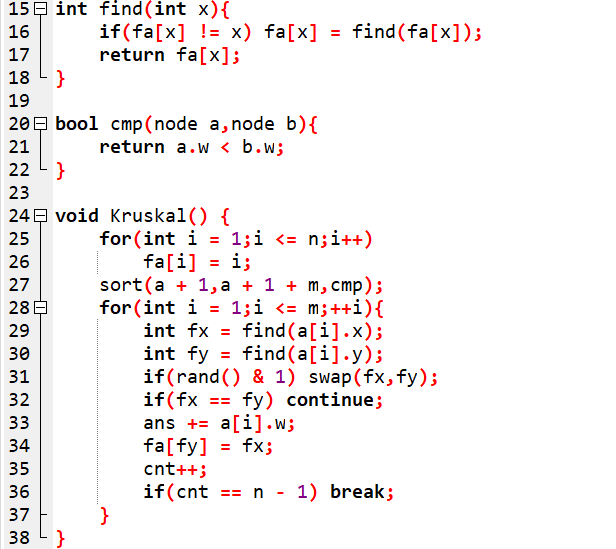
**匈牙利算法：**



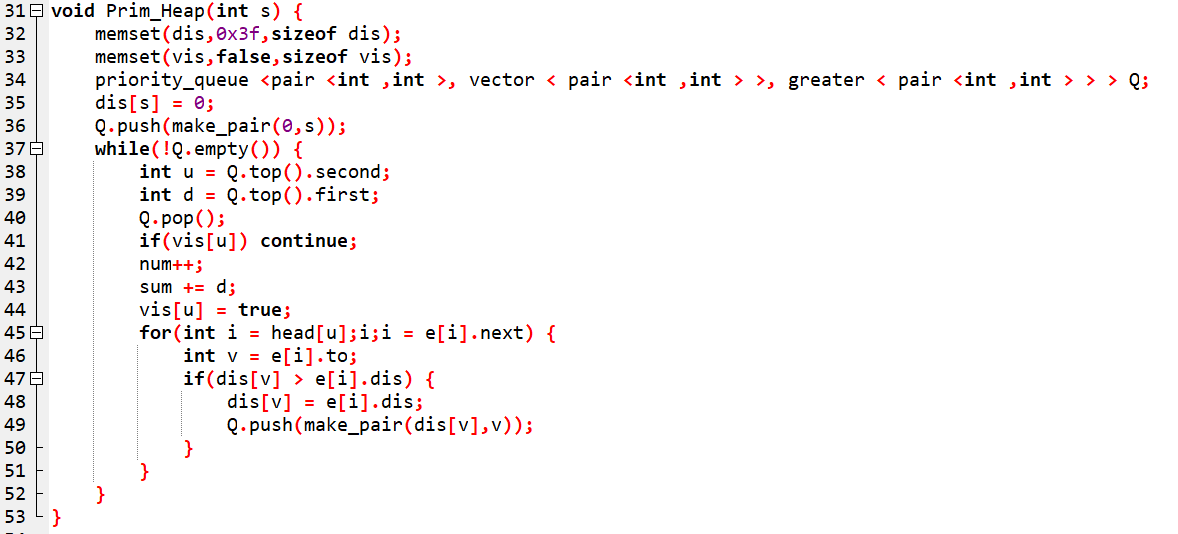
**倍增LCA：**



**Kruskal算法：**

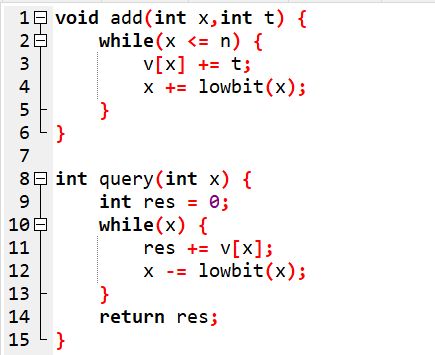


**Prim算法：**

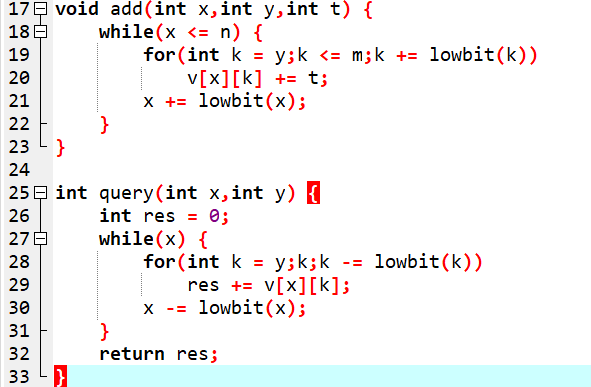


## 数据结构

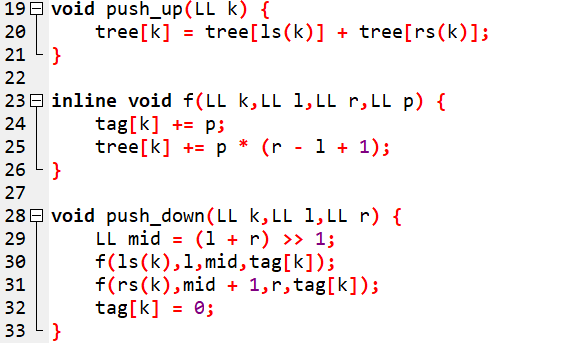
**一维树状数组：**

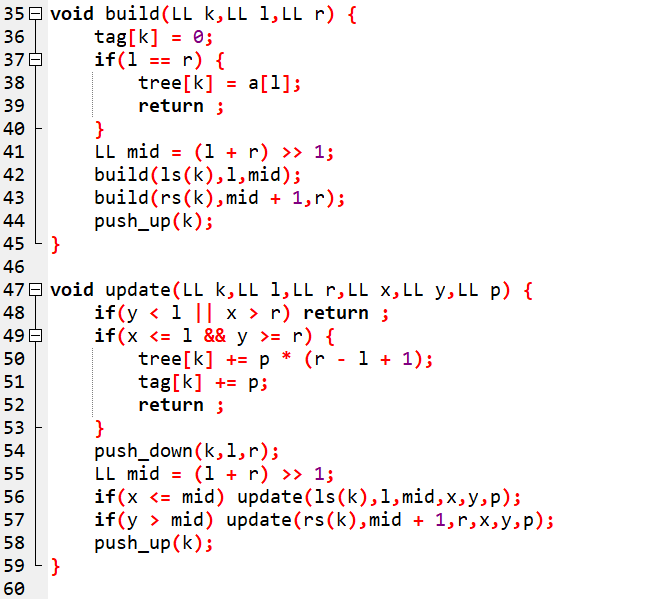


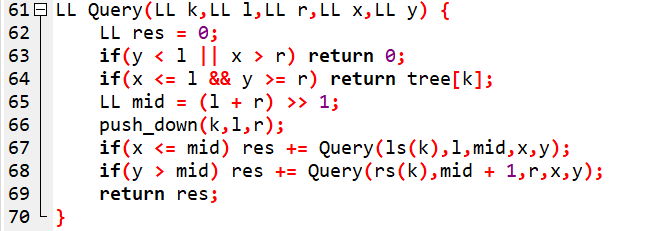
**二维树状数组：**



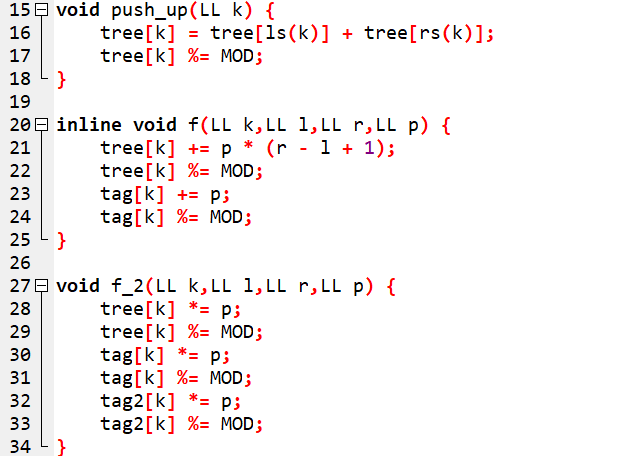
**线段树1（单点修改，区间查询）：**

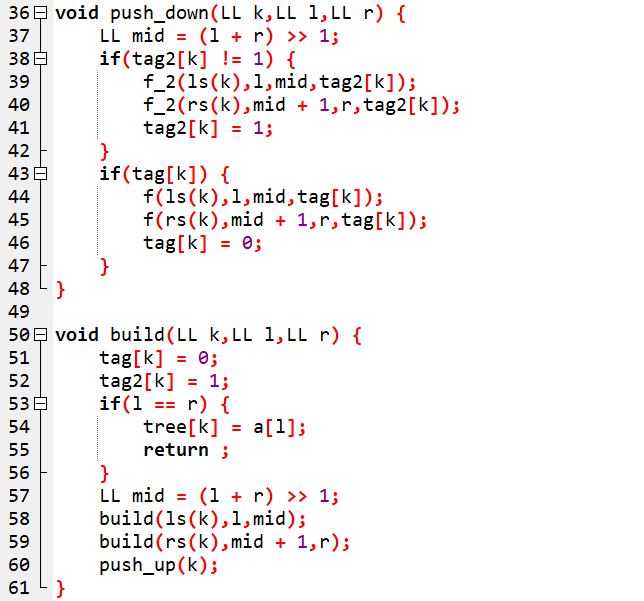


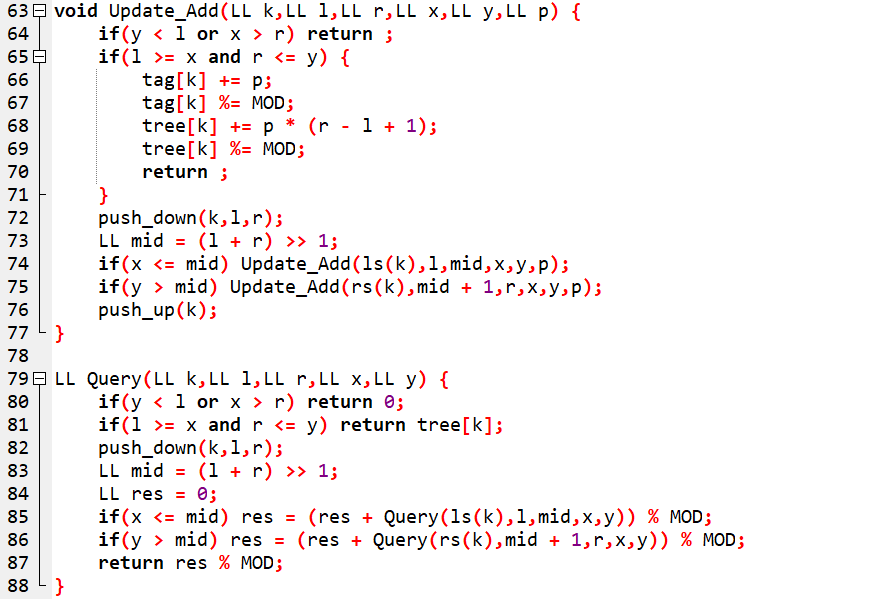


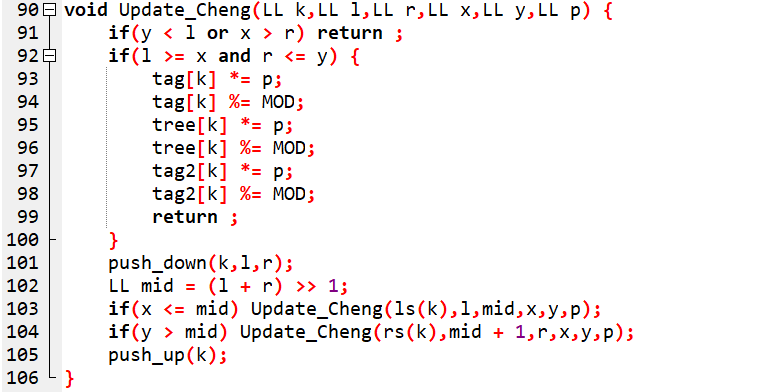


**线段树2（单点修改，区间查询）：**

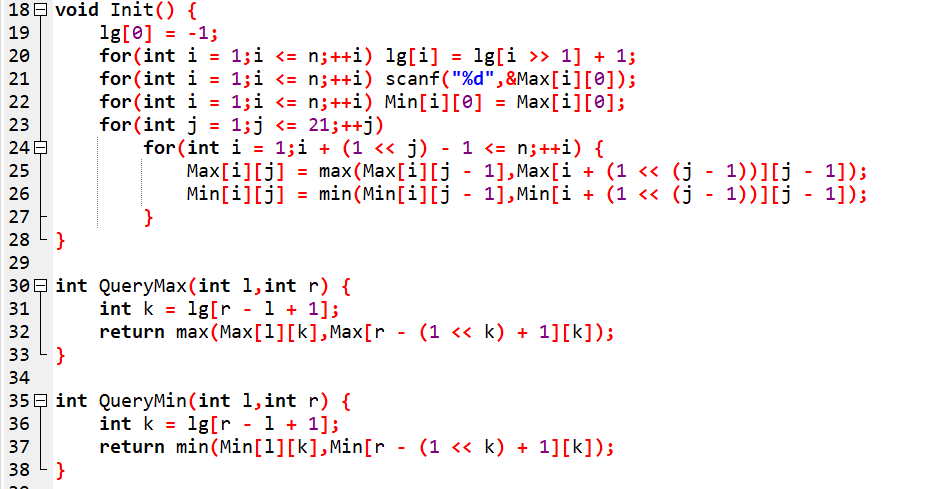




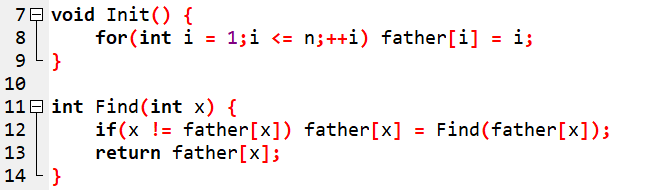




**ST表：**

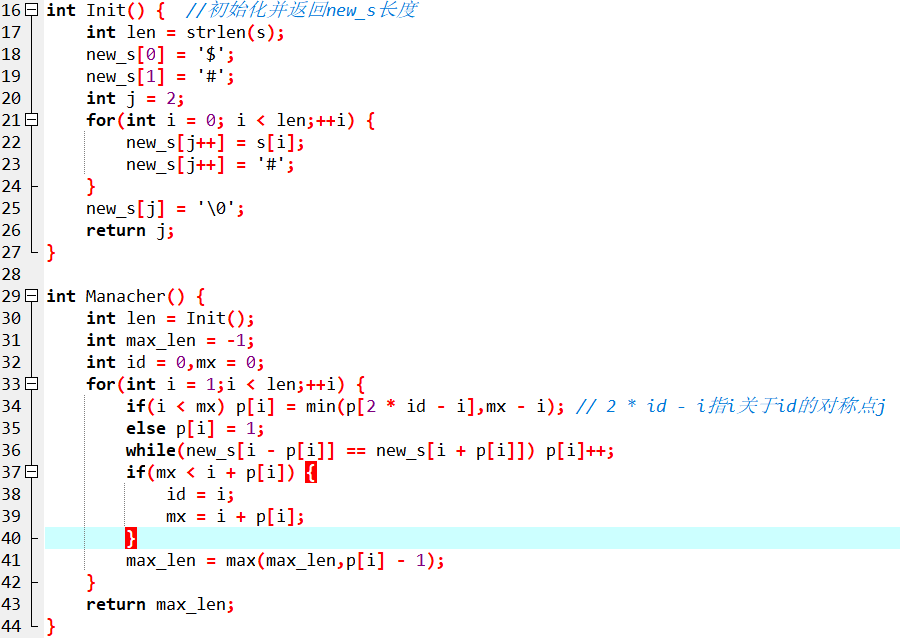


**并查集：**

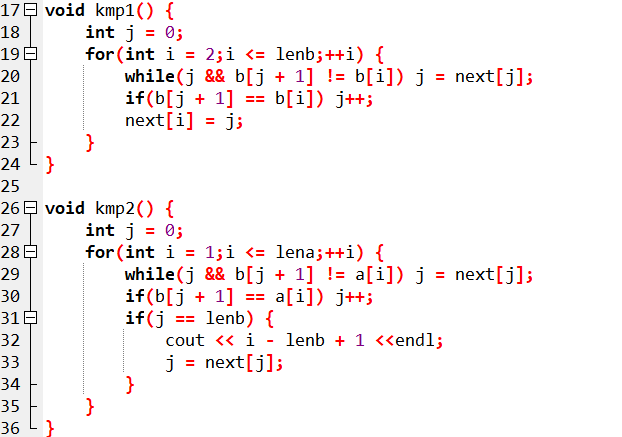


## 字符串算法：

**Manacher算法：**



**KMP算法：**



**Hash：**

