for(int i = 1 ; i <= n ; i++)

{

cin >> a[i] ;

nn[i][0] = a[i];

ln[i][0] = a[i];

}

for (int j=1; (1<<j)<=n; ++j)

for (int i=1; i+(1<<j)-1<=n; ++i)

{

Amin[i][j]=min(Amin[i][j-1],Amin[i+(1<<(j-1))][j-1]);

Amax[i][j]=max(Amax[i][j-1],Amax[i+(1<<(j-1))][j-1]);

} int getmax(int u, int v)

{

int tmp = log2(v-u+1);

return max(ln[u][tmp], ln[v - (1<<tmp)+1][tmp]);

}

int getmin(int u, int v)

{

int tmp = log2(v-u+1);

return min(nn[u][tmp], nn[v - (1<<tmp)+1][tmp]);

}