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#include <bits/stdc++.h>
#define ll long long
using namespace std;
ll T,n,tot;
ll p[70] = {0};
void in(ll x){//向线性基中添加数x
    for(int i=62;i>=0;i--){
        if(!(x>>(1ll<<i))) continue;
        if(!p[i]){
            p[i] = x;
            break;
        }
        x ^= p[i];
    }
}
ll query_max(){//求最大异或和
    ll ans = 0;
    for(int i=62;i>=0;i--){
        if((ans^p[i]) > ans) ans ^= p[i];
    }
    return ans;
}
ll query_min(){//求最小异或和
    for(int i=0;i<=62;i++){
        if(p[i]) return p[i];
    }
    return 0;
}
void work(){
    for(int i=1;i<=62;i++){
        for(int j=1;j<=i;j++){
            if(p[i] & (1ll<<(j-1)))
                p[i] ^= p[j-1];
        }
    }
}
ll k_th(ll k){//求第K小异或和
    if(k==1 && tot<n) return 0;
    if(tot<n) k--;
    work();
    ll ans = 0;
    for(int i=0;i<=62;i++){
        if(p[i]!=0){
            if(k%2==1) ans ^= p[i];
            k /= 2;
        }
    }
    return ans;
}
int main(void){
    ios::sync_with_stdio(false);
    cin.tie(0), cout.tie(0);
    cin >> T;
    while(T--){
        memset(p,0,sizeof(p));
        tot = 0;
        cin >> n;
        for(int i=1;i<=n;i++){
            ll x;
            cin >> x;
            in(x);
        }
    }
}

```

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        for(int i=0;i<=62;i++)
            if(p[i]) tot++;
        //cout << query_max() << endl;
        //cout << query_min() << endl;
        //cout << k_th(2) << endl;
    }
    return 0;
}
```