```cpp
#include<bits/stdc++.h>

using namespace std;

int w[100010];

void solve() {

    int n, a, b; cin >> n >> a >> b;

    int c = __gcd(a, b);


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

        cin >> w[i];

        w[i] %= c;

    }

    sort(w + 1, w + 1 + n);

    int ans = w[n] - w[1];

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

```cpp
            ans = min(ans, w[i] + c - w[i + 1]);

    }

    cout << ans << '\n';

}


int main() {

    int t; cin >> t;

    while(t--) {

        solve();

    }

}//C
```