

c:

```
#include <stdio.h>
```

```
#define gc getchar_unlocked
```

```
int getn(){
    int n = 0, c = gc(), f = 1;
    while(c != '-' && (c < '0' || c > '9'))
        c = gc();
    if(c == '-') f = -1, c = gc();
    while(c >= '0' && c <= '9')
        n = (n<<3) + (n<<1) + c - '0', c = gc();
    return n * f;
}
```

```
int a[1000],b[501],c[2][501],r[1000];
```

```
int main(){
    int T,N,A, i,p, rn;
```

```
T = getn();
```

```
while(T--){
```

```
    N = getn();
```

```
    for(i = 1; i <= 500; ++i)
```

```
        b[i] = c[0][i] = c[1][i] = 0;
```

```
    for(i = 0; i < N; ++i)
```

```
        A = getn(), a[i] = A, ++b[A];
```

```
    for(i = p = rn = 0; i < N; ++i){
```

```

        if(c[p][a[i]] == b[a[i]]/2)
            r[rn++] = i, p = (p ? 0 : 1);
        ++c[p][a[i]];
    }

    printf("%d\n", rn);
    for(i = 0; i < rn; ++i)
        printf("%d ", r[i]);
    printf("\n");
}
return 0;
}

```

C++:

```

#include<iostream>

#include<vector>

#define f(x,y) for(x=0;x<y;x++)

using namespace std;

int main(){

    vector<int> split_positions(1001,-1);
    vector<int> input_arr(1001,-1);
    vector<int> jack(1001);
    vector<int> jill(1001);
    int i,j,k,t,nos,cut_count,flag;

```

```
cin >> t;
```

```
f(i,t){
```

```
    cin >> nos;
```

```
    f(j,1001){
```

```
        jack[j] = -1;
```

```
        jill[j] = -1;
```

```
        split_positions[j] = -1;
```

```
        input_arr[j] = -1;
```

```
        cut_count=0;
```

```
        flag=0;;
```

```
    }
```

```
    f(j,nos){
```

```
        cin >> input_arr[j];
```

```
        jack[input_arr[j]] = (jack[input_arr[j]] == -1) ? 1 : jack[input_arr[j]] + 1;
```

```
        jill[input_arr[j]] = jack[input_arr[j]];
```

```
    }
```

```
f(j,nos){
```

```
    if(!flag){
```

```
        if(jack[input_arr[j]]==0){
```

```
            split_positions[cut_count]=j;
```

```
            cut_count++;
```

```
            flag=1;
```

```
            //cout << "from jack block : " << cut_count << "j value : " << j << " flag : " << flag << endl;
```

```
        }
```

```
        if(jack[input_arr[j]] > 0){
```

```
            jack[input_arr[j]] -= 2;
```

```
        }
```

```

}if(flag){

    if(jill[input_arr[j]]==0){
        split_positions[cut_count]=j;
        cut_count++;
        flag=0;
        //cout << "from jill block : " << cut_count << "j value : " << j << " flag : " << flag << endl;
    }
    if(jill[input_arr[j]] > 0){
        jill[input_arr[j]]-=2;
    }
}

cout << cut_count << endl;
for(j=0;split_positions[j]!=-1;j++){
    cout << split_positions[j] << " ";
}
cout << endl;
}
return 0;
}

```