#include <bits/stdc++.h>

#include <math.h>

using namespace std;

int main() {

// your code goes here

int t;

cin>>t;

while(t--)

{

int i,n,s=0,b,j=1;

cin>>n;

int a[n],d[n];

for(i=0;i<n;i++)

{

cin>>a[i];

d[i]=a[i];

s=s+a[i];

}

sort(a,a+n);

b=ceil(log2(s));

auto c=find(d,d+n,a[0]);

j=((pow(2,b)-s)+a[0])/a[0];

if((s & s-1)==0 )

{

cout<<0<<endl;

}

else{

cout<<1<<endl;

cout<<1<<" "<<j;

cout<<endl;

cout<<(distance(d,c))+1<<endl;

}

}

return 0;

}