```java
// by Miguel Sanchez misan@disca.upv.es
import java.io.*;
import java.util.*;
import java.math.*;

class Ship {
    public int x,y,z,p;
    Ship(int x, int y, int z, int p) {this.x=x; this.y=y; this.z=z; this.p=p;}
    double power(double x, double y, double z) { return (Math.abs(this.x-x)+Math.abs(this.y-y)
+Math.abs(this.z-z))/p; }
    static double array(Ship[] s,double x, double y, double z) {
        double out=0.0;
        for(int i=0;i<s.length;i++) out=Math.max(out,s[i].power(x,y,z));
        System.out.println("out ="+out+" x="+x+" y="+y+" z="+z);
        return out;
    }
}
class StarWars {
public static void main(String args[])throws IOException {
Scanner in = new Scanner(System.in);
int cases = in.nextInt(); //in.nextLine();
    for(int i=1;i<=cases;i++) {  // FOR EACH CASE ....
        int n=in.nextInt(); double best,x=0,y=0,z=0;
        Ship s[]=new Ship[n];
        for(int j=0;j<n;j++) s[j]= new Ship(in.nextInt(),in.nextInt(),in.nextInt(),in.nextInt
());
        double sx=0,sy=0,sz=0;
        for(int j=0;j<n;j++) {sx+=s[j].x; sy+=s[j].y; sz+=s[j].z;}
        sx/=(n); sy/=(n); sz/=(n);
        double step=1.0;
        double curr=Ship.array(s,sx,sy,sz); best=curr+1;
        while(step>1e-9) {
            for(int dx=-1;dx<2;dx++) for(int dy=-1;dy<2;dy++) for(int dz=-1;dz<2;dz++) {
                double newpower=Ship.array(s,sx+dx*step,sy+dy*step,sz+dz*step);
                if(newpower<best) {
                    best=newpower;
                    x=sx+dx*step; y=sy+dy*step; z=sz+dz*step;
                    }
                }
                if(Math.abs(best-curr)>1e-8) {sx=x; sy=y; sz=z; curr=best;} else step/=2;
            }
        System.out.println("Case #"+i+": "+Ship.array(s,x,y,z));
        }
    }
}
```