```c
#include <stdio.h>

int main(void) {
    int n,t,i,j;
        double mean;
        long int sum;
        scanf("%d",&t);
        for(i=0;i<t;i++)
        {
            sum=0;
            scanf("%d",&n);
            int a[n];
            for(j=0;j<n;j++)
            {
                scanf("%d",&a[j]);
                 sum=sum+a[j];
            }
            mean=(double)sum/n;

            for(j=0;j<n;j++)
            {
                if(a[j]==mean)
                {
                    printf("%d\n",j+1);
                    break;
                }
            }
             if(j==n)
             {
                 printf("Impossible\n");
             }

        }
        return 0;
}
```