import java.util.\*;

public class Main

{

    public static void main(String[] args) {

     Scanner sc=new Scanner(System.in);

     int t= sc.nextInt();

        while(t>0){

        int suma=0;

        int sumh=0;

        int m= sc.nextInt();

        int n= sc.nextInt();

        for(int i=1;i<=m;i=i+2){

         suma= suma+i;

         if(suma>=m)

         break;

    }

        for(int j=2;j<=n;j=j+2){

         sumh=sumh+j;

         if(sumh>=n)

         break;

}

if(suma>sumh)

System.out.println("Aayush");

else

System.out.println("Harshit");

t--;

}

}

}