MADHavNumber

```
public class Madhav {
	public static int isMadhav(int[] a) {
		int al = a.length;
		int curtLA = 1;
		int calLA = 1;
		int madh = 0;
		int si = 0;
		int ei = 0;
		int sum = 0;
		int currsum = 0;
		int n = 1;
		while(curtLA <= al) {
			if(curtLA == calLA) {
				 for(int i=si;i<=ei;i++) {
					sum = sum + a[i];
					System.out.println(sum);
				 }
			}else {
				madh = 0;
				break;
			}
			if(currsum==sum || si == ei) {
				currsum = sum;
				sum =0;
				madh=1;
			}else {
				madh =0;
				break;
			}
			if(curtLA == al) {
				break;
			}else {
				si = ei + 1;
				ei = si + n;

				if(si < al && ei < al) {
					n++;
				}else {
					ei = al - 1;
					n = ei - si;
				}
				calLA = n * (n+1)/2;
				curtLA = ei + 1;
			}
		}
		return madh;
	}
	public static void main(String[] args) {
		int[] s = {3,1,2,3,0};
		int[] s1 = {2,1,1};
		int[] s2 = {2,1,1,4,-1,-1};
		int[] s3 = {18,9,10,6,6,6};
		int[] s4 = {6,2,4,2,2,2,1,5,0,0};
		System.out.println(isMadhav(s1));
	}

}
```