import java.util.\*;

class Security

{

public static void main(String[] args)

{

Scanner sc=new Scanner(System.in);

int n=sc.nextInt();

int arr[]=new int[n];

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

arr[i]=sc.nextInt();

int countZero=0,countOne=0,countTwo=0;

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

{

if(arr[i]==0)

countZero++;

else if(arr[i]==1)

countOne++;

else if(arr[i]==2)

countTwo++;

}

int j=0;

while(countZero>0)

{

arr[j++]=0;

countZero--;

}

while(countOne>0)

{

arr[j++]=1;

countOne--;

}

while(countTwo>0)

{

arr[j++]=2;

countTwo--;

}

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

System.out.print(arr[i]+" ");

}

}