

```

import java.util.*;

import java.lang.*;

import java.io.*;

class GFG {

    public static void main (String[] args)

    {
        Scanner sc=new Scanner(System.in);

        int t=sc.nextInt();

        while(t-->0)

        {
            int i=0,count=0;

            String Str=sc.next();

            String st="gfg";

            while(i!=Str.length()-st.length()+1 && Str.length()>=3)

            {

                if(st.compareTo(Str.substring(i,i+3))==0)

                    count++;

                i++;

            }

            if(count!=0)

            {

                System.out.println(count);

            }

            else

            {

                System.out.println(-1);

            }

        }

    }

}

```

}

}

}

}