#include<iostream.h>

#include<conio.h>

#include<stdio.h>

#include<string.h>

void main()

{

  clrscr();

  char s[10];

  int n,init=0,fin=1;

  cout<<"enter R.E\n";

  gets(s);

  n=strlen(s);

  for(int i=0;i<n;i++)

  {

    if(s[i]=='\*')

    fin+=2;

    if(s[i]=='.')

    fin+=1;

    if(s[i]=='/')

    fin+=4;

   }

  char c=238;

  i=0;

  int ch;

  if(s[0]>=97&&s[0]<=122)

  ch=1;

  if(s[0]=='('&&s[4]==')')

  ch=2;

  switch(ch)

  {

   case 1:

   if(s[i+1]=='/')

    {

     if(s[i+2]>=97 && s[i+2]<=122)

      {

        cout<<"\n"<<init+2<<"--"<<s[i]<<"-->"<<init+3;

        cout<<"\n"<<init+4<<"--"<<s[i+2]<<"-->"<<init+5;

        goto pt1;

      }

     }

   case 2:

   if(s[i+1]>=97 && s[i+1]<=122)

   if(s[i+2]=='/')

  {

    if(s[i+3]>=97 && s[i+3]<=122)

    {

       cout<<"\n"<<init+2<<"--"<<s[i+1]<<"-->"<<init+3;

       cout<<"\n"<<init+4<<"--"<<s[i+3]<<"-->"<<init+5;

       if(s[i+5]=='\*')

        {

          goto pt;

        }

     else

     goto pt1;

     }

  }

 }

 pt:

 cout<<"\n"<<init<<"--"<<c<<"-->"<<init+1;

 cout<<"\n"<<init<<"--"<<c<<"-->"<<fin;

 pt1:

 cout<<"\n"<<init+1<<"--"<<c<<"-->"<<init+2;

 cout<<"\n"<<init+1<<"--"<<c<<"-->"<<init+4;

 cout<<"\n"<<init+3<<"--"<<c<<"-->"<<init+6;

 cout<<"\n"<<init+5<<"--"<<c<<"-->"<<init+6;

 cout<<"\n"<<init+6<<"--"<<c<<"-->"<<init+1;

 cout<<"\n"<<init+6<<"--"<<c<<"-->"<<fin;

 getch();

}

***OUTPUT***

