```
main.c
  1 #include <stdio.h>
     #include<string.h>
     int F(char symbol)
  5 - {
         switch(symbol)
             case'/': return 4;
             case'$': return 5;
             case'(': return 0;
             case'#': return -1;
             default: return 8;
 18 }
 19 int G(char symbol)
 20 - {
         switch(symbol)
             case'-': return 1;
             case'/': return 3;
             case'$': return 6;
             case'(': return 9;
             case')': return 0;
             default: return 7;
 33 }
 34 void infix_postfix(char infix[], char postfix[])
 35 - {
         int top,i,j;
         char s[30],symbol;
         top=-1;
         s[++top]='#';
```

```
main.c
 31
             default: return /;
33 }
 34 void infix_postfix(char infix[], char postfix[])
 35 - {
         int top,i,j;
         char s[30],symbol;
         top=-1:
        s[++top]='#';
         j=0;
         for(i=0;i<strlen(infix);i++)</pre>
             symbol=infix[i];
             while(F(s[top])>G(symbol))
                 postfix[j]=s[top--];
                 j++;
             if(F(s[top])!=G(symbol))
             s[++top]=symbol;
             top--;
        while(s[top]!='#')
             postfix[j++]=s[top--];
        postfix[j]='\0';
 59 }
 60 void main()
61 - {
         char infix[20];
         char postfix[20];
         printf("Enter the valid infix expression\n");
             f("%s",infix);
         infix_postfix(infix,postfix);
        printf("The postfix exp is \n");
         printf("%s\n",postfix);
```

V 2 3 input Enter the valid infix expression a+b*(c^d-e)^(f+g*h)-i The postfix exp is abcd^e-fgh*+^*+i-...Program finished with exit code 0 Press ENTER to exit console.