

	Date Page No
7,	# andude < stdeo. hs
	# Include < stolle boh >
	# onclude < strongih
	: bomp?
	Ent F (Sym Chan Symbol) {
	Swotch (Symbol) of
	case '+':
	case '-': return 2;
	cose *1:
	case 1/2 return 4;
	cose 1 1:
	cooge '\$: return 5;
	case 't: return 0;
	case +1: return -1;
	default: return 8;
	2 Je bodasye = Egot + + 18
	int G (Char Symbol) d
	switch (Symbod) { case t:
	Cas'-": return 1;
	case +1: got 18) at show
	case 1: return3;
	coise, VI;
	case 5: return 6;
	couse (: return 9; case : return 0; default : return 7;
	2 3 default : return 7;

```
void infor-postfor (char infor[]) {
   char S[30], postfix[30];

char Symod;

top z -1;
    S[++top] 2 '#1;
   J=0;
for (i=0; i < str Jen (infix); i++) {
        Symbol z infix[i];
       while (F(s(top) > g(symbol)) {
           Postfix [i] = s[top--];
       if (F(5[top]!= '#') {
       Postfix [it+]z

S[++top] z Symbol;
       dse top --;
    cohêde (S[top]! = '#) q
         postfix [ 5++] = 3(top--];
      postfix[j]z'10';
puts(postfex);
```

est male () char emp (30];

prontf ("Enter on expression: 1n");

gets (exp);

(scanf ("1.5", exp);

infix — Postfix (exp); return 0;

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  1:07 PM ()
          my.c 🔒
                                                 \overline{\mathbf{J}}
          Saved
  #include<stdio.h>
  #include<stdlib.h>
  #include<string.h>
  int F(char symbol){
       switch(symbol){
       case '/' : return 4;
       case '$' : return 5;
       case '(' : return 0;
       case '#' : return -1;
       default : return 8;
  }
  int G(char symbol){
       switch(symbol){
       case '/' : return 3;
      case ')' : return 0;
       }
29 }
30 void infix_postfix(char infix[]){
       int top,j,i;
       char s[30],postfix[30];
       char 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;
           }
           else
                top--;
```

```
50
       while(s[top]!='#'){
          postfix[j++]=s[top--];
       postfix[j]='\0';
       printf("Postfix: ");
       puts(postfix);
   int main()
58
       char exp[30];
60
       printf("enter a expression:\n");
       scanf("%s",exp);
       infix_postfix(exp);
       return 0:
```



```
enter a expression:
  (a+(b-c)*d)
Postfix: abc-d*+
```

Process finished.