NEEHAL-IBM 19CS 097 Lab Perogram 2 MAP to convert a given valid parenthesized infix anithmetic expression to postfix expir. The expir consider of single character operands and the binary operators + (plus), - (minus), * (multiply) and 1 (Sivide). # include (Stdio. h) # include (String. L) # include (process.h) int F (char symbol) Switch (symbol) Case, '+': Case (-): return 2; Case '*'; Case (1): return 4; Case '\$': return 5; Case '#': ecotorn-1; default : return 8; int G (chao Symbol) Switch (Symbol)

Care 1- ?: return 1;

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Ouse '*':
(ase 11: return 3;
Case ' $': return 6:
Case (C': return 9;
Case ') ; noting 0;
default: return 7;
Void infix-postfix (chan infix[], chan postfix[])
int top, i, j;
Char S[30], Symbol;
top = -1;
8[+++op]= '#';
j=0;
for (i=0; i < strlen (infix); i++)
Sympol = infix [i];
while (F(S[top])>G(symbol))
postfir[j]=S[top--];
if (F (S[top])!= G (Symbol))
S[++top] = Symbol;
while (S[+op]!= '#'
```

