```
< massessair > abulanis #
   # cincoude < cassest >
Tomposto < Close T >
  Close Stock
  formate: staningf;
        comot unt vigo;
         ; fot tri
    : sibelut
        I Eagin? agin : (000) = agin trail start?
          ; (O < age ) tresses
          agin = new T [wige];
           ; 1-= +at
        Stack <T> Push (const T& wal)
          ; ++ dat
          i (agise > fet ) treases
           coor [ dot] = val;
            i with mentere
          social forth
         (1909 bion
            ; (0 = < yet ) tresses
             i -- det
```

Jesus Toronacan Lions

(Lesis = 5 x) treacas

(Lesis = 5 x) treacas

(Lesis = 5 x) first

(Lesis = 5 x) first

(Lesis = 5 x)

(Lesis =

Coongo - coga: -

; treater & griend > atast;

Atomal and IT antomi; or one in some

11 Make chan array, store value.

Chan etal; aron [n];

11 Imput every chan into the array.

11 @ Hind MIDDLE.

Marie To

yorlint i=0; i<n; i++)

 $\psi'(2) = 1 [i] rose = 4 \ \text{ (if)} = 1 [i] rose)$

aclo

; Harrell

3

2) Find START. 0= ; (12 sil eliter { if (coo [i] = = (#)) Amos grinds じナナ; 28 12 = [[i] rose 22 m>i) eliteur ason [i] ! = '#? temp + = 000 [:]; じナナラ ; (Amet) dout . treater else { i + + ; }. 1 Neve start is a stack containing all starting characters.) Le the same with int FND. However, END visie de a Queue. (A) To foint answer: -Outfast separationed in stack until stack is empty. Output middle Output green James () troop je compty.

a6 Find Z walues you B by composing with from some of forefice of A. To find Z-waluse of B, the only difference is that for Zi , unstood of companing B[i...] with B[1...] Voe viell Compassa B[i...] de All...]. this can be done in O(n) time. Limally, we go aborough all Z walue of B and find the walue i auch that i + Z[i] - 1 = lam(B) unterse den (B) = dength of B. The amallast usulus of i such that i + Z[i] -1 = Don(B) . [i] I se sive resumme sot (One Timboaring) A - (efabdii) B = . a p c g e 2 a p g Z[:] = 0 0 0 0 5 0 0 0 i = 1 2 3 4 5 6 7 8 9 (1-imdoxing) Dam(B) = 9. Deni=5, i+Z[i]-1= 5+5-1=9= con(B)

- A Amo. = Z [5] = 5.