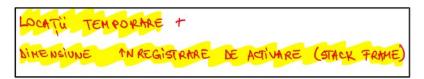
S3(4) - Locatii temporare

Tuesday, January 10, 2023 11:47 PM

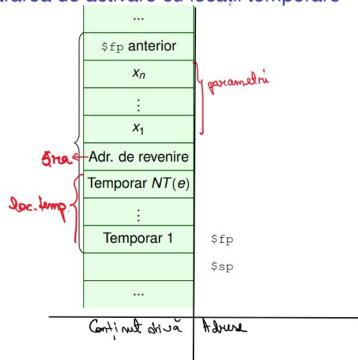


Stabilirea anticipată a locațiilor temporare II

$$NT(1) = 0$$

 $NT(x) = 0$
 $NT(e_1 + e_2) = \max(NT(e_1), 1 + NT(e_2))$
 $NT(if \ e_1 = e_2 \ then \ e_3 \ else \ e_4) = \max(NT(e_1), 1 + NT(e_2),$
 $NT(e_3), NT(e_4))$
 $NT(f(e_1, \dots, e_n)) = \max(NT(e_1), \dots, NT(e_n))$

Înregistrarea de activare cu locații temporare



$$def f(x, y, z, w)$$
:

$$if x = (y + z)$$

then 5

else if
$$x = [if y = z then f(y, z, x, 1) else x]$$

then x

else
$$x * (y + (z - x))$$

DIMENSIONE:

Dimensione stack frame?

2) Colulam NT:

```
2 1 f(x, y, z) {
        if x = y + 1 then g(x, y + 1, z) else h(x + 1, y + 1) }
    1 ->0
    22 -> N
    25 -> g(x, y+1, 2) =1
    en -> h (x+1, y+1) = 1
   NT (8) = max (NT(80), 1+ NT(82), NT(83), NT(84)) = 2
3 En = 41 + 12+ 13+ 14 + 15
      Ez = 2, + (22+ (23+ (24+85)))
    NT(EI) 🗓
                     NT(En)
    🙆 dava nunt Juhnali 25 Ez -3 max 1
                              Ex -> wex 4
                         lexpr. or oval prima detai la 4 +45 =>
                          până acolore fac lac. temp. pt
                          sentul let. => 4 ... 14 = 4)
   ( Eq -> ( ent (2) -> max (NT(4), n+NT(42)) +
                2,462+23 -> max( +, 1+NT (23)) ++
                PATEL + SHIN -> MAX ( MK, A+NT ( Ph)) K+K
                Ratherestatis - ) wax (ARR, HNT(15))
                             > max (ut(2), 1+ ut(2), 1+ut(2), 1+ut(2), 1+vt(4), 1+vt(45))
         Ex-> (44+65) -> MAX (NT(44) ,1+NT(45))
                 2+(23+(24+25)) -> max (NT(22), 1+ + A) ***
              Parketharlenter) -> max (NThi), A+ m+ m)
                             ->max (NT(21), 0+NT(22), 2+NT(20), 3+NT(24), 4+NT(25))
      2) atunci colud NT(4,) z max
   @ 2) max (ATT(23) , 1+max (NT(24) , 1+NT(45)) =
                                                 (un gas calculat pt Ez)
        max (NT(8), mex (1+NT(8)) 2
         max (NT(13), N+NT(2m), 2+NT(15)) ...
```

O miciodală