

f-1

Caller:

Caller:

- copy R-con into save area
- load V-con into R15
- Call via R15
- Branch + link to R15

Callee:

- load R-con from save area
- addresses of sub-procedures in data area
- Addresses of sub-procedures in data area

R13

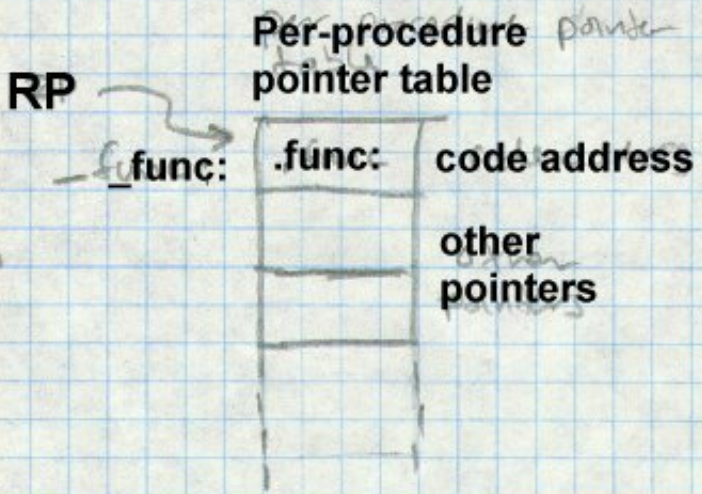


register save area for callee

8-2

Caller:

- Load pointer table address into RP
- Load code address from 0(RP) into RC
- Call via RC



Callee:

- RP points to pointer table
- Table has addresses of pointer tables for sub-procedures

Code segment
Code segment

XX0000

Load address unknown
at link time

XX0010

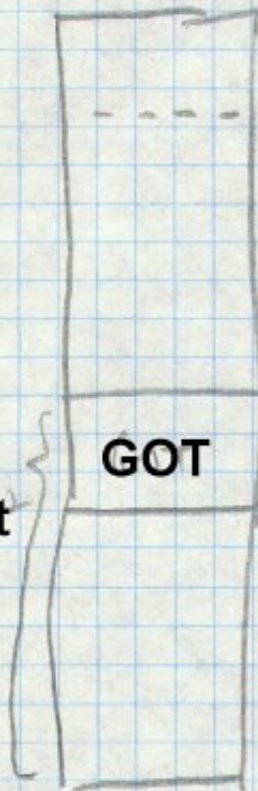
call L2
call L2
L2: pop %bx
L2: pop %bx
add \$FF0, %bx // fixed distance
add \$FF0, %bx

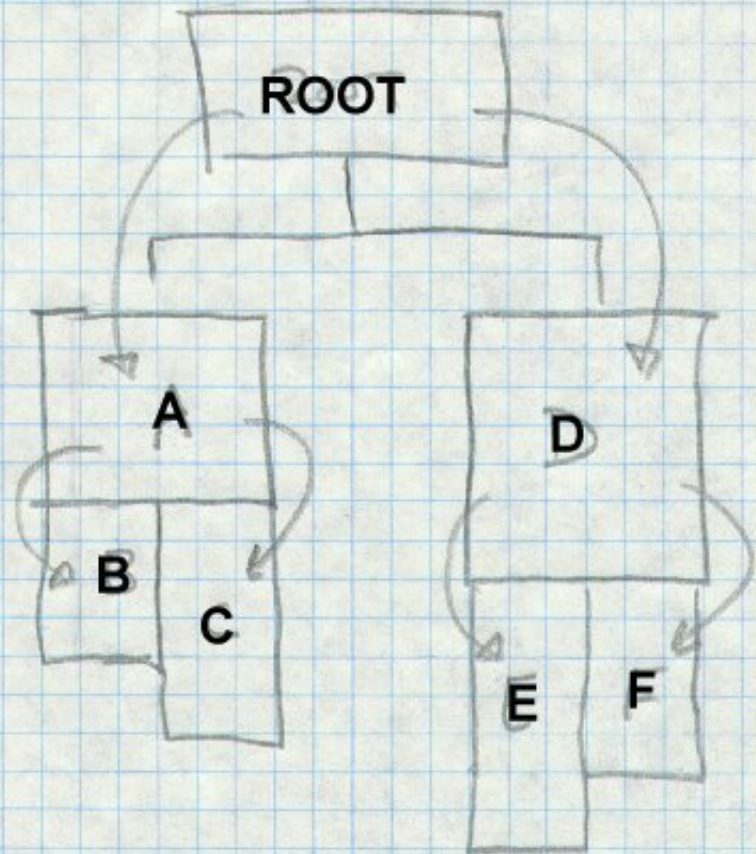
fixed distance from
code to GOT

XX1000

GOT

data segment
data segment





ROOT

main()
main()

rob()

nick()

rob() rick()

A

aaron() *andy()*
aaron() andy()

B

bill()
**bill()
betty()**

C

chris()
chris()

D

dick() *dot()*
dick() dot()

E

edgar()
edgar()

F

fran()
fran()

