

Ex 2:

short int F (short n) {

q)

short res = 0;

if (n == 0)

res = 0;

else if (n == 1)

res = 1

else

res = F(n-1) + F(n-2)

return res

}

BJ PROC :

CMP AX, 0

JNE cw0-bzse2

MOV BX, 0

JMP FIN

~~Cw0-bzse2; AX, 0~~

JNE CMP AX, 1

JNE pzo-recursivo

MOV BX, 1

JMP FIN

pzo-recursivo:

PUSH AX

DEC AX

CALL F ; P(N-1)

POP BX ; BX = N

SUB CX, 2

PUSH BX

CALL F ; P(N-2)

POP CX ; CX = P(N-1)

ADD BX, CX

FIN:

RET

PROC ENDP