int pow (int base intexp) {
my res = 1; CALL RET: ADD ... for (m+ 1=0', 1<exp', 1+1)

res *= base',

return result', SP > [KET] S. Colling conventions

1. Jopepok opymenmob

1.1) Mecmo pozuewenno opymenmob 2. Mecino pezymemama 2. D Bozopam cocmatuux munot 3. Clean up stack 1 Duucmua comena, DStdcall (MSVC) 2. coec (Unix) 3. fastcall (Internal functions) 4. thiscall (C++ methods) this represence & princip, & ocmanshare check 5. vectorall (SIMD, SSEL, AVXL, 30 Null) 8 cdecl 1. Aprilieums 6 comen 6 odporniour nopregre int printf (chars format,...) 2. Результот в (основной) регистр 3. Oruemus, cheus, on oprymennol: burnborouges op-yus (coller) Stocal

1. Apriqueum 6 emere 6 <u>oбромной порирке</u>
1. I (norme ve popenzeulerem ucnaisyemae (cdeel)

2. Pezyusmam b (ochobusa) perucmp 3. Orinemus, oprymenmol: le bouseboennoir op-you (collee) op-yuro por codects pow (int have intexp) { my res = 1° FPOW: exp for (m+ 1=0', |cexp', 1+1) PUSH June-60 uok. npollor bose 3 qu5 res *= base', =mul(res, base); перешенных PUSH 4 return result, 2 ret result 1 LD #1 ST &1 12 umanamahn CLA ST &0 FOR: LD & D CMP &4 > meuo op-yun -> Inuurz BGE EXIT (1 bujeneune vecmo) (clear up) PUSFI int mul (int & int b) meuo PUSH LP &5 ST & 1 SWAP Lb &3 POP ST & 0 CALL MUL y Spour a', b' a corporanie AC SWAP POP SWAP pop ST & 1 LD & 0 INC

THO TVOTOR IS TO THE

ST&0

JUMP FO
EXIT: LD &1
SWAP POP SWAP POP SWAP POP RET SWAP POP
Adcoll

FPOW:
PUSH
PUSH
LD #1
ST &1
CLA
ST &0
FOR: LD & 0
CMP &4

PUSH PUSH LP &5 ST &1 LD &3

BGE EXIT

ST & O CALL MUL

ST&I LD&O INC L exp | 4 1 bose , 3 0 ret = 12 result , 1

SWAP
ST&2 - nou-los aprymerenolo
SWAP

JUMP LO
EXIT: LD &I
SWAP
POP
SWAP
ST&2
SWAP
POP
SWAP
POP
RET

A Mak C (m32 b betage?

1) ret_l 2) zonezenb a wedku e socourom appee.

ret_h muno vole mul (int 32 a, Int 32 b).

b-L

b-L

R-L

R-L