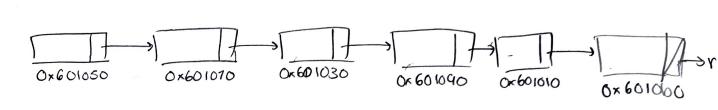
Jorathan Tso HW 4 CS 261

ĺ)

a)



b) yeht lot war emand would proce returned will a would not be space will yet will a compared will be space when them will compare when we space where space a protection will remain the space when we space where space a protection will remain the war and the space where space a protection will be spaced by the space where we will be spaced by the spaced by

They told me computers, could only do arithmetic. - Grace Hopper 1952

2.

h steed in vdi/edi 1 stud in isilesi I stud in rox/edx

imula \$1440, &is, %rsi

shows i = L(i.(7)). Bic we know L=24 bytes, L= 1. 1440 This

i = 24(1) (CT) 24[7] =1440 i = 1 (24CT3)

7=60 1-185

(rdx, rdx, 2), % rax

rax = j . 2 + j

8 (rsp), rdx

When storing variables, we store them in order Therefore, 8 bytes above 15p is

imula 86400, abrdi, abrdi

h = h · 86400 This shows h = L(h · [S] · [T])

We know L= 24 bytes and [7]=60

h = (24)h · [5] · [60]

86400 = (24)(CO)[S] S= 60 .

The last 1420wn stored value into eax is 2073600, which can correlate to the total size of the 30 mode structure. This is because the code says do: he

return size of (A) and this returns size in bytes

Thus, ALRICSJETJ = 2013600 bytes

Since each node is 24 bytes, we do 2013600/24 = 86400 total nodes. Then, 86400 = LRJCSJETJ = LRJC60JE60J

R=24

R= 24 5=60

T=60