

計算機結構 作業一 B08901019 吳冠緯

Jupiter

File Edit Run Settings Help

Editor Simulator

Bkpt	Address	Machine Code	Basic Code	Source Code
<input type="checkbox"/>	0x00010094	0x06458593	addi x11, x11, 100	la a1, msg2
<input type="checkbox"/>	0x00010098	0x00000073	ecall	ecall
<input type="checkbox"/>	0x0001009c	0x00100513	addi x10, x0, 1	addi a0, x0, 1
<input type="checkbox"/>	0x000100a0	0x005005b3	add x11, x0, x5	add a1, x0, t0
<input type="checkbox"/>	0x000100a4	0x00000073	ecall	ecall
<input type="checkbox"/>	0x000100a8	0x00a00513	addi x10, x0, 10	addi a0, x0, 10
<input type="checkbox"/>	0x000100ac	0x00000073	ecall	ecall

Mnemonic	Number	Value
zero	x0	0x00000000
ra	x1	0x0001005c
sp	x2	0xbfffffff0
gp	x3	0x10000000
tp	x4	0x00000000
t0	x5	0x00000123
t1	x6	0x00010000

Console

This is HW1-1: $T(n) = 2T(n/2) + 8n + 5$, $T(1) = 4$

Enter a number: 10

The result is: 291

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Bkpt	Address	Machine Code	Basic Code	Source Code
<input type="checkbox"/>	0x00010024	0x00000073	ecall	ecall
<input type="checkbox"/>	0x00010028	0x00400513	addi x10, x0, 4	addi a0, x0, 4
<input type="checkbox"/>	0x0001002c	0x00000597	auipc x11, 0	la a1, msg0
<input type="checkbox"/>	0x00010030	0x0b658593	addi x11, x11, 176	la a1, msg0
<input type="checkbox"/>	0x00010034	0x00000073	ecall	ecall
<input type="checkbox"/>	0x00010038	0x00000597	auipc x11, 0	la a1, msg1
<input type="checkbox"/>	0x0001003c	0x0b658593	addi x11, x11, 182	la a1, msg1

Address	+3	+2	+1	+0
0x00010020	'\0'	'\0'	'\0'	'\0'
0x0001020c	'\0'	'\0'	'\r'	'd'
0x00010208	'\0'	'\0'	'\r'	'd'
0x00010204	'f'	'i'	'h'	'y'
0x00010200	'r'	'o'	'0'	'1'
0x000101fc	'\0'	'\0'	'\0'	'\0'
0x000101f8	'\0'	'\0'	'\0'	'\0'

Console

This is HW1-2:

Plaintext: i love ca

Ciphertext: l0oryh1fd