Email Address * zxc36mn999947@gmail.com	0分,共0分
zxc36mn999947@gmail.com	
zxooonnii yyyy + X (aginan.com	
Name *	
陳彥文	
Student ID *	
106061242	

```
Question 9 (2.3)
```

[2.2, 2.3] For the following C statement, write the corresponding RISC-V assembly code. Assume that the variables i and j are assigned to registers "x28" and "x29", respectively. Assume that the base address of the arrays A and B are in registers "x10" and "x11", respectively.

B[8] = A[i-j]

Answer the following questions with this picture:

```
sub x30, (1), (2) // Compute i-j
slli x30, x30, num1 // Multiply by 8 to convert the word
add x30, x30, (3) // x30 = &A[i-j]
ld x3, 0((4)) // x3 = A[i-j]
sd x3, num2((5)) // B[8] = A[i-j]
(a)x30 (b)x29 (c)x28
(d)x11 (e)x10
```

 \checkmark 1. What is the value of num1? *

3 \checkmark



3. What is the value of num2? *	3/3
64	\checkmark

這份表單是在清華大學中建立。

