		No.
Homework 1		Date .
1- addi x5, x7, -5	No. of	1
add		15.6
add x5, x5, x6		u
2. addi x5, ×0, 4 # x5=4	4 800	
mu x29, x29, x5 # x29 = 4*j	1	. 11: 0
mul x28, x28, x5 # x28 = 4 * i	10	- N
aold ×6, ×10, ×28 # adolress of A[i]	-	
add x7, x10, x29 # address of A[j]		3 11
lw x6, o(x6) # x6 = A[i]	1,6	3 100
m ×7, 0(x7) # x7 = A[j]	10 2.0	50 th.
$\frac{1}{2}$ addi $\times 30$, $\times 0$, 8 # $\times 30 = 8$	1647.	.75
mul x30, x30, x5 # x30 = 8×4	7-1 Pa	- Alu
add ×30, ×30, ×11 # address of B[8]	125	-
add x6, x6, x7 # x6 = A[i] + A[j]	A.4 .	
sw x6, o(x30) # B[8] = A[i] + A[j]	.75 -	
1) for (int i = 6; i < 11; i++) {	.83	14 th
for (int $j=0$; $j < 10-i$; $j++$) {		11/2
int temp=		1, 0
if (Array[j] > Array[j+1]) {	J. Is	al a
int temp = Array Lij;	1 11 1	, i , i
Array[j] = Array[j+1];		N.
Array[j+1] = temp;		
7	d	
2		
7	7, 1	1
	× [30]	

```
# a1 = i = 6
2)
    addi al, zero, 6
                           # az=11 (upper bound of i)
    addi az, zero, 11
                           # i ≥ 11, goto end
    loop1: bge a1, a2, end
                           # t1=j=0
    addi t1, zero, o
   addi t2, zero, 10
                           # t2= 10-i (upper bound of j)
   sub tz, tz, al
loop 2: bge t1, t2, L1
                           # j≥10-i, goto L1
                          # t3 = 4
   addi t3, zero, 4
                          # t3 = 4 * j
 mul t3, t3, t1
                          # t3 = addlr of Array[j]
   add t3, x22, t3
                          # t4 = Array [j]
   lw t4, o(t3)
                          # ts = addr of Array [j+1]
   addi t5, t3, 4
                          # t6 = Array [j+1]
   lw tb, o(t5)
                          # Array [j] * = Array [j+1], goto L2
   bge t6, t4, L2
                          # Array [j+1] < A[j]
   sw tb, o(ts)
                          # Array [j] < Array [j+1]
  sw t4, o(t3)
                          # i++
  L2: addi t1, t1, 1
                          # goto loop2
 beg zero, zero, loop2
                          # j++
  LI: addi al, al, I
                          # goto loop!
   beg zero, zero, loop!
   end:
```

4. R Type. add x1, x1, x1

5. 1 Type. | W x3, 4(x27)