straight forward:

for(int i=0;i<n-1;i++)

{

for(int j=i+1;j<n;j++)

{

if(a[i]>a[j]

{

//doi cho

}

}

}

#INDEX: With n=8

#a0 = dia chi dau mang4

li $t0,0

li $t1, 0

la $a0 ,mang

LOOP1:

addi $t2, $t0, $t0 #t0=i

addi $t2, $t2,$t2 #t2= 4\*i

add $t3, $t2, $a0

lw $t4, 0($t3) #t4=a[i]

LOOP2:

add $t5,$t1, $t1 #t1=j

add $t5,$t5, $t5 #t5= 4\*j

add $t6, $t5, $a0

lw $t7, 0 ($t6) #t7 =a[j]

slt $s2, $t4, $t7 # t4: a[i], t7:[a[j]]

beq $s2, 1, LOOP2

#swap

sw $t4 , 0($t6) #t6: dia chi a[j]

sw $t7, 0($t3) #t3: ddia chi cua a[i]

addi $t1, $t1, 1 #j++

slt $t1, $t1, 8

beq $s1, 1, LOOP2

addi $t0, $t0, 1

slt $s0, $t0, 7 #s0=1 neu t0< 7

beq $s0, 1, LOOP1

-------------------------------------------

bubble: DONE. GOT a[j] a[j+1]

for(i=n;i>0;i--)

{

for(int j=0;j<i-1;j++)

{

if(a[j]> a[j+1])

doi cho

}

LOOP1:

LOOP2: