

```
1: .data
2:  array: .word 0,1,2,3,4,5,6,7,8,9
3:
4: .text
5:  # Initialize indexes
6:  move $t0, $zero
7:  addi $t1, $zero, 36
8:
9:  while:
10:      # Condition to stop loop
11:      blt $t0, $t1, continue
12:      j end_while
13:      continue:
14:
15:      # Swap array positions
16:      lw $t2, array($t0)
17:      lw $t3, array($t1)
18:      sw $t3, array($t0)
19:      sw $t2, array($t1)
20:
21:      # Update indexes
22:      addi $t0, $t0, 4
23:      subi $t1, $t1, 4
24:
25:      # Restart loop
26:      j while
27:  end_while:
```