```
                          $s0        $s1
print_array ( array , array_site);
           $s0        $s2                  $s3         $s1
insert (array, insert_value, insert_pos , array_site);


i: $t0
```

_____ ι _____

```
addiu  $sp, $sp, -20      # abrir espaço na stack

sw  $ra, 0($sp)   ⎫ 4
                  ⎬
sw  $s1, 4($sp)   ⎫ 4     salvaguarda de
                  ⎬           $ra e de
sw  $s2, 8($sp)   ⎫ 4
                  ⎬       registos $s
sw  $s3, 12($sp)  ⎫ 4
                  ⎬
sw  $s0, 16($sp)  ⎫ 4
                  ⎬
                  ⎫ 4
```

_____ ι _____

array: $s0 → $t4
array_size : $s1
insert_value : $s2
insert_pos: $t3
i = $t0
```