local variables

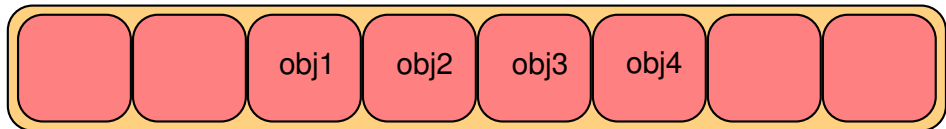cons_tail   prod_head   prod_next

obj1   obj2   obj3   obj4

cons_head
cons_tail   prod_tail   prod_head

structure state