RECURSION

- FUNCTION CALLS ITSELF
- INSTEAD OF A LOOP

LOOP — START END (FOR)

CONDITIONAL END (WHILE)

$$= \left[O \rightarrow \left[O \rightarrow \left[O \rightarrow \left[O \right] \right. \right. \right.$$
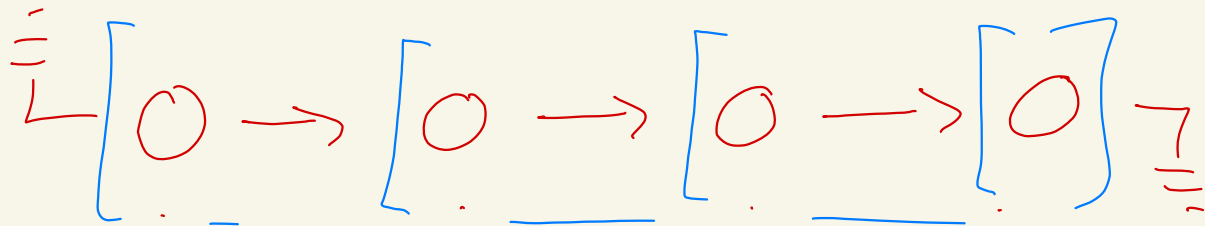
INTERFACE

API or Contract

Asserts Behavior

COMMON BEHAVIOR TO UNRELATED THINGS

"FLY"

TO FLY

! ABSTRACT
! VIRTUAL

PREPARE TO LAUNCH ()

LAUNCH ()

PROPEL ()

LAND ()

STOP ()

IF AN ANIMAL

"CAN" FLY

THEIR CLASS

IMPLEMENTS AN

INTERFACE

I ___ "ABLE"
        "CAN"

PENGUIN : ANIMAL, I hunt, I swim   {   }

CLASS Eagle : ANIMAL, I fly, I hunt   {   }

PLANE : VEHICLE, I fly   {   }

SHARE
ABILITIES

INHERITANCE

BECAUSE I AM A...

I CAN

MUST

INTERFACE

I DECLARE THAT

I CAN

SO ....