Data worksheet—structure type

14 Oct 2010

Describe the data:

; __Dog_____ is a structure containing:
        STRUCTURE TYPE

; – ____posx_____ (__XCoord of the pet_____)
        PART 1 NAME   PART 1 TYPE, INTERPRETATION

; – ____posy_____ (__YCoord of the pet_____)
        PART 2 NAME   PART 2 TYPE, INTERPRETATION

; – __fullness_____ (show how much the pet is hungery)
        PART 3 NAME   PART 3 TYPE, INTERPRETATION
       happiness   show how much the pet is huppy
          ...
       tailup?   show if the tail is up or down.

(define-struct _____dog_____
                     STRUCTURE TYPE

    (_____posx_____   ____posy_____   ____fullness_____ ...))
          PART 1 NAME   PART 2 NAME   PART 3 NAME
         happiness   tail

; Examples:

(define _____dog-hungry_____   ; __dog needs to be fed._____
            EXAMPLE NAME   DESCRIPTION/EXPLANATION

    (make-__dog____s__ ___0___   ___0___   __10__ 100) true)
          STRUCTURE TYPE VALUE 1   VALUE 2   VALUE 3 ...

(define _____dog-died_____   ; __dog died due to hunger_____
            EXAMPLE NAME   DESCRIPTION/EXPLANATION

    (make-__dog____ __0__   __0__   __−1__ 100) true)
          STRUCTURE TYPE VALUE 1 VALUE 2 VALUE 3 ...

                                    dog leaves due to
(define _____dog-leave_____   ; __feel unhappy for more__ than 100 ticks.
            EXAMPLE NAME   DESCRIPTION/EXPLANATION

    (make-__dog____ __0__   __0__   __10__ −101) true)
          STRUCTURE TYPE VALUE 1 VALUE 2 VALUE 3 ...