Data worksheet—structure type

14 Oct 2010

Describe the data:

; <u>Turtle</u> is a structure containing:
  STRUCTURE TYPE

; – <u>fullness</u> (<u>show how much the pet is hungry.</u>)
   PART 1 NAME   PART 1 TYPE, INTERPRETATION

; – <u>   </u> (<u>   </u>)
   PART 2 NAME   PART 2 TYPE, INTERPRETATION

; – <u>   </u> (<u>   </u>)
   PART 3 NAME   PART 3 TYPE, INTERPRETATION

    ...

(define-struct <u>turtle</u>
         STRUCTURE TYPE

   (<u>fullness</u> <u>   </u> <u>   </u> ...))
     PART 1 NAME   PART 2 NAME   PART 3 NAME

; Examples:

(define <u>turtle-full</u>   ; <u>feeling of fullness</u>
     EXAMPLE NAME   DESCRIPTION/EXPLANATION

   (make-<u>turtle</u> <u>300</u> <u>   </u> <u>   </u> ...))
      STRUCTURE TYPE   VALUE 1   VALUE 2   VALUE 3

(define <u>turtle-hungry</u>   ; <u>feeling of hungry</u>
     EXAMPLE NAME   DESCRIPTION/EXPLANATION

   (make-<u>turtle</u> <u>100</u> <u>   </u> <u>   </u> ...))
      STRUCTURE TYPE   VALUE 1   VALUE 2   VALUE 3

(define <u>turtle-died</u>   ; <u>isn'g fed for 300 ticks</u>
     EXAMPLE NAME   DESCRIPTION/EXPLANATION

   (make-<u>turtle</u> <u>-1</u> <u>   </u> <u>   </u> ...))
      STRUCTURE TYPE   VALUE 1   VALUE 2   VALUE 3