Data worksheet—structure type

14 Oct 2010

Describe the data:

; ___alien_____ is a structure containing:
   STRUCTURE TYPE

; – ___posx_____ (___XCoord of the alien___)
       PART 1 NAME   PART 1 TYPE, INTERPRETATION

; – ___posy_____ (___YCoord of the alien___)
       PART 2 NAME   PART 2 TYPE, INTERPRETATION

; – ___type_____ (Show the type of alien)
       PART 3 NAME   PART 3 TYPE, INTERPRETATION

   ... hp   (Show hit points that mean how many lazers
                            can be endured. 0 means died.)

(define-struct _____alien_____
                   STRUCTURE TYPE

   (___posx_____ ___posy_____ ___type_____ hp))
        PART 1 NAME   PART 2 NAME   PART 3 NAME   ...

; Examples:

(define ___ap-top-left_____ ; ___Plain alien on the top left edge___
        EXAMPLE NAME   DESCRIPTION/EXPLANATION

   (make-___alien_____ ___X_LEFT___ ___Y_TOP___ "plain" 1 ...))
          STRUCTURE TYPE   VALUE 1   VALUE 2   VALUE 3

(define ad-died-right-btm   ; ___Died diver alien on the bottom right edge___
        EXAMPLE NAME   DESCRIPTION/EXPLANATION

   (make-___alien_____ ___X_RIGHT___ ___X_BOTTOM___ "diver" 0 ...))
          STRUCTURE TYPE   VALUE 1   VALUE 2   VALUE 3

(define ___as-middle-center___ ; ___Shielded alien on the middle center___
        EXAMPLE NAME   DESCRIPTION/EXPLANATION

   (make-___alien_____ ___X_CENTER___ ___Y_MIDDLE___ "shielded" 3 ...))
          STRUCTURE TYPE   VALUE 1   VALUE 2   VALUE 3