

Design Recipe

Word Problem: update-player

Write a function called update-player, which takes in the player's y-coordinate and the name of the key pressed, and returns the new y-coordinate.

I. Contract+Purpose Statement

$$; \text{--- name ---} : \text{--- Domain ---} \rightarrow \text{--- Range ---}$$

II. Give Examples

Finish the two examples we've started for you, and make two more

(EXAMPLE (update-player 128 “up”) _____)
 Use the function here What should the function produce?

(EXAMPLE (update-player 451 "down") _____)
 Use the function here What should the function produce?

(EXAMPLE (_____) _____)

Use the function here What should the function produce?

(EXAMPLE (_____) _____)

Use the function here What should the function produce?

III. Definition

```
(define ( function name variable names )
```