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Initialize game:
    Set car speed to 2
    Set car speed to 1
    Set max speed to 6 * default car speed
    Set lives to 3
    Set score to 0
    Load car sprite at right lane
    Load highway background
    Load other car sprites off-screen
    Set slow down timer to 0
    Set game timer to predefined time until finish
Display "Begin" menu:
    Wait for user input:
        IF user presses "Begin":
            Start Game
Function Start Game:
    WHILE game_timer > 0 AND lives > 0:
        Move highway background based on car speed
        Generate other car sprites (from top for slow cars,
from bottom for fast cars)
        IF user presses "W":
            IF car speed < max speed:</pre>
                Increase car speed
        IF user presses "S":
            Decrease car speed
        IF user presses "X":
            Set car speed to 0
        IF user presses 'A' and car is not in the leftmost
lane:
            Move car to left lane
        IF user presses 'D' and car is not in the rightmost
lane:
            Move car to right lane
```

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IF car collides with other car sprite:
            Decrease lives by 1
            IF lives > 0:
                Set slow down timer to 3 seconds
                WHILE slow down timer > 0:
                    Reduce game speed to half
                    Decrement slow down timer
            ELSE:
                Display Game Results (LOSE)
        IF car passes other car sprite without collision:
            Increase score by 5 points
        Decrement game_timer
    IF game timer == 0:
        Display Game Results (WIN)
    ELSE IF lives == 0:
        Display Game Results (LOSE)
Function Display Game Results(result):
    IF result == WIN:
        Show win screen with final score
    ELSE:
        Show lose screen with final score
    Wait for user input:
        IF user selects "Restart Game":
            Reset game variables
            Go to "Begin" of the low-level option
        ELSE IF user selects "End":
            Terminate game
```