To run the program, follow these steps:

        I.            Ensure you have R installed on your system.

     II.            Copy and paste the provided code into an R script or an R development environment (Or run the rmd file in Rstudio).

  III.            Execute the script to define the necessary functions and variables.

  IV.            Customize the number of simulations (num\_simulations variable) and the initial pot sizes and starting coin combinations as desired.

    V.            Run the simulation by executing the main loop or calling the simulate\_game function with appropriate arguments.

  VI.            The program will output the estimated expected number of cycles for each combination of initial conditions.