Homework 8

Foundry Testing

1. Investigate this project
   Imagine you have been given the DeFi1 contract by a colleague and asked to test it using Foundry.
   Your colleague explains that the contract allows

   - investors to be added by the administrator
   - investors to claim tokens, but the amount that they can claim should reduce every 1000 blocks.

   When testing make sure you know

   - how would you advance blocks

   - how would you make sure every block will work

   - how would you make sure the contract works with different starting values such as

     - block reward,
     - numbers of investors
     - initial number of tokens

   Try to find all the bugs / security problems / optimisation opportunities in the contract.
   You do not need to fix the code.