

Homework 12

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.

2. In preparation for next week, read our [introduction](#) to Auditing

3. If there are any topics you would like to be covered next week please add them to the [sli.do poll](#)