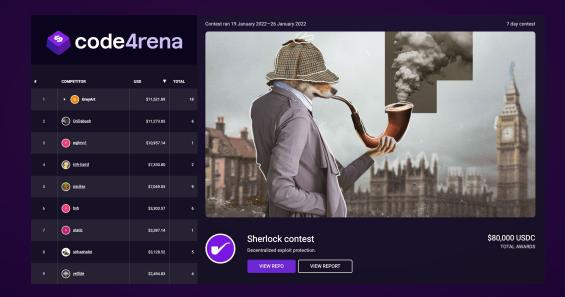
# The Unreasonable Effectiveness of Audit Contests

**DeFi Security Summit** 

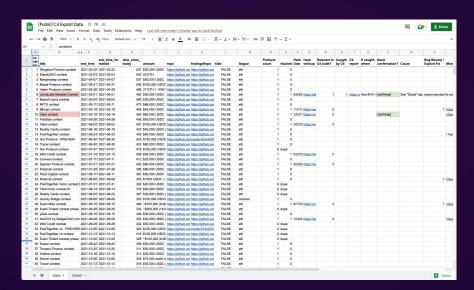
August 28, 2022



#### **What is an Audit Contest?**



#### **Audit Contest Data**



https://docs.google.com/spreadsheets/d/1RIJCK3\_9RHvtNPObsDRTAgkP9lbyutZMsglKNnZCO00/edit?usp=sharing

#### **Audit Contest Data**

- 1.5 years since first contest
- 154 unique contests
- 110 unique protocols
- Average contest finished 7.5 months ago

# How many hacks?

## **Meebits**

- Contest #7
- Ended May 1st, 2021
- Hacked May 8th, 2021
- Brute-forced rare Meebits



### **Meebits**

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[M-01] RANDOMINDEX IS NOT TRULY RANDOM - POSSIBILITY OF PREDICTABLY MINTING A SPECIFIC TOKEN ID

Not fixed



#### Visor

- Contest #9
- Ended May 19th, 2021
- Hacked June 19th, Nov 26th, Dec 21st, 2021
  - June 19th: Admin key stolen
  - Nov 26th: deposit() used spot price of a DEX
  - Dec 21st: deposit() asked attack contract to approve itself



#### Visor

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- Hacked June 19th, Nov 26th, Dec 21st, 2021
  - June 19th: Admin key stolen
  - Nov 26th: deposit() used spot price of a DEX
  - Dec 21st: deposit() asked attack contract to approve itself
- All out of scope



# **Days Since Last Incident:**



154 audits!!!

#### **Problems with Audit Contests**

- No guarantee of top-tier auditors
- No guarantee of time spent on codebase
- No fix reviews
- Protocol team sorts through hundreds of issues

## **Problems with Legacy Audits**

- Only 2-3 people look at codebase
  - Example: High severity bug found by auditor #30 and #66
    - Missed by top-tier audit firm
- No direct incentive to secure codebase (only reputation)
- Often long lead times

#### **Best of Both Worlds?**

- Dedicated, incentivized top-tier auditor
- Contest pot allowing anyone to compete and submit bugs
- Fix review
- Concisely reported issues
- On-demand scheduling

#### **Sherlock Next Generation Audits**

- \$75k cost to protocol (assuming 2-week audit)
- \$50k contest pot
- Top-tier auditor earns \$20k + pool earnings
- Top-tier auditor reviews fixes
- ELO-style rankings determine top-tier auditors
- Access to \$10M TVL coverage and \$1M bug bounty coverage

#### **Get Involved**

- Sentiment contest launches tomorrow (Aug 29th)
- Security experts/teams of any level can join
- Sign up at <a href="mailto:sherlock.xyz">sherlock.xyz</a>

