



TruDelník

Taste the thrill of verifiable chance

Sweet stakes, zero fakes. Every bet is baked with blockchain-verified randomness, so the only thing cooked is the pastry vibe—never the odds.

Who we are

Luca Franzesi
Gas fee waster



Ivan Sala
Junior Vibe Coder

The king is just a friend passing by 😊

What we built

A multi-chain web3 first gambling game backed by true verifiable randomness



Game Mechanics

1. Choose difficulty (Easy, Medium, Hard, Hardcore)

This will change the number of levels that you can play

The rewards will change:

Easy with 24 steps starting at 1.02x and a max win of 24.50x.

Medium with 22 steps starting at 1.11x and a max win of 2,254x.

Hard with 20 steps starting at 1.22x and a max win of 52,067.39x

Hardcore with 15 steps starting at 1.63x and a max win of 3,203,384.80x.


Playing will give you merits and you will be able to choose difficulty on the base of the blockscout merits that you own

Select Difficulty

Easy	Steps: 24 Start: 1.02x Max Win: 24,5x	Beginner
✦ Always available		
Medium	Steps: 22 Start: 1.11x Max Win: 2.254x	Advanced
✓ Unlocked with 100 Merits		
Hard	Steps: 20 Start: 1.22x Max Win: 52.067,39x	Expert
✓ Unlocked with 120 Merits		
Hardcore	Steps: 15 Start: 1.63x Max Win: 3.203.384,8x	Master
🔒 Requires 200 Merits		

Game Mechanics

Stake ETH or BERA, depending on the network you want to play on and start at step 0.

 **Bet Amount**

0.01

\$ ETH

0.01
ETH

0.1
ETH

0.5
ETH

1.0
ETH

Betting Limits


Min: 0.01 ETH • Max: 200 ETH


Game Mechanics

- For each step
 - Contract **requests** randomness (sync or async)
 - **Success** → step +1, multiplier grows exponentially
 - **Fail** → entire stake lost, game ends
- **Cash-out anytime** to claim stake × current multiplier
- Contract emits GameEnded(cid) → AKAVE log saved
- For each game the user get 1 merit



Game Mechanics

 **Last Played Games on Coston2**

 **Game #21**

Won

Player: [0xAF0D...d375](#)

Difficulty: Easy


Bet: 0.01 C2FLR


Steps: 2

Multiplier: x

Payout: C2FLR

21/01/1970, 06:45:24 [View Transaction](#)

 Data

 **Rank #71225**

Top 99.49% • 150 Merits

[Learn more about Merits](#)

Audit data saved via Akave

**See your Rank w/ Merits
while gaining them playing**

Slide 1 — TruDelník Game · Key Features

- **Provably fair:** on-chain randomness (Flare = sync, Pyth = async) fully auditable
- **Stake → Climb → Cash-out:** exponential multipliers; quit anytime or lose everything
- **Merit system:** 1 Merit per game, leaderboard, higher tiers gated by Merit thresholds
- **Multi-chain:** live on Flare (Coston2); Berachain integration in testing
- **Radical transparency:** every game log stored on Akave; tx hashes and seeds public

Slide 2 — Tech Stack

- **Smart contracts:** Solidity 0.8.25, OpenZeppelin, Hardhat + Foundry fuzzing
- **Randomness:** Flare RandomNumberV2Interface (instant) · Pyth Entropy (callback)
- **Frontend:** React 18, Vite, Tailwind, Zustand state, Framer Motion for animations
- **Wallet & chains:** ethers.js, wagmi, MetaMask auto-switch
- **Blockscout SDK:** real-time tx toasts, Merit balances, explorer deep-links
- **Storage:** Protocol Labs Akave (JSON play logs pinned via CID)
- **CI/CD:** GitHub Actions deploy, Netlify previews on every PR

Let's Play

trudelnik.netlify.app