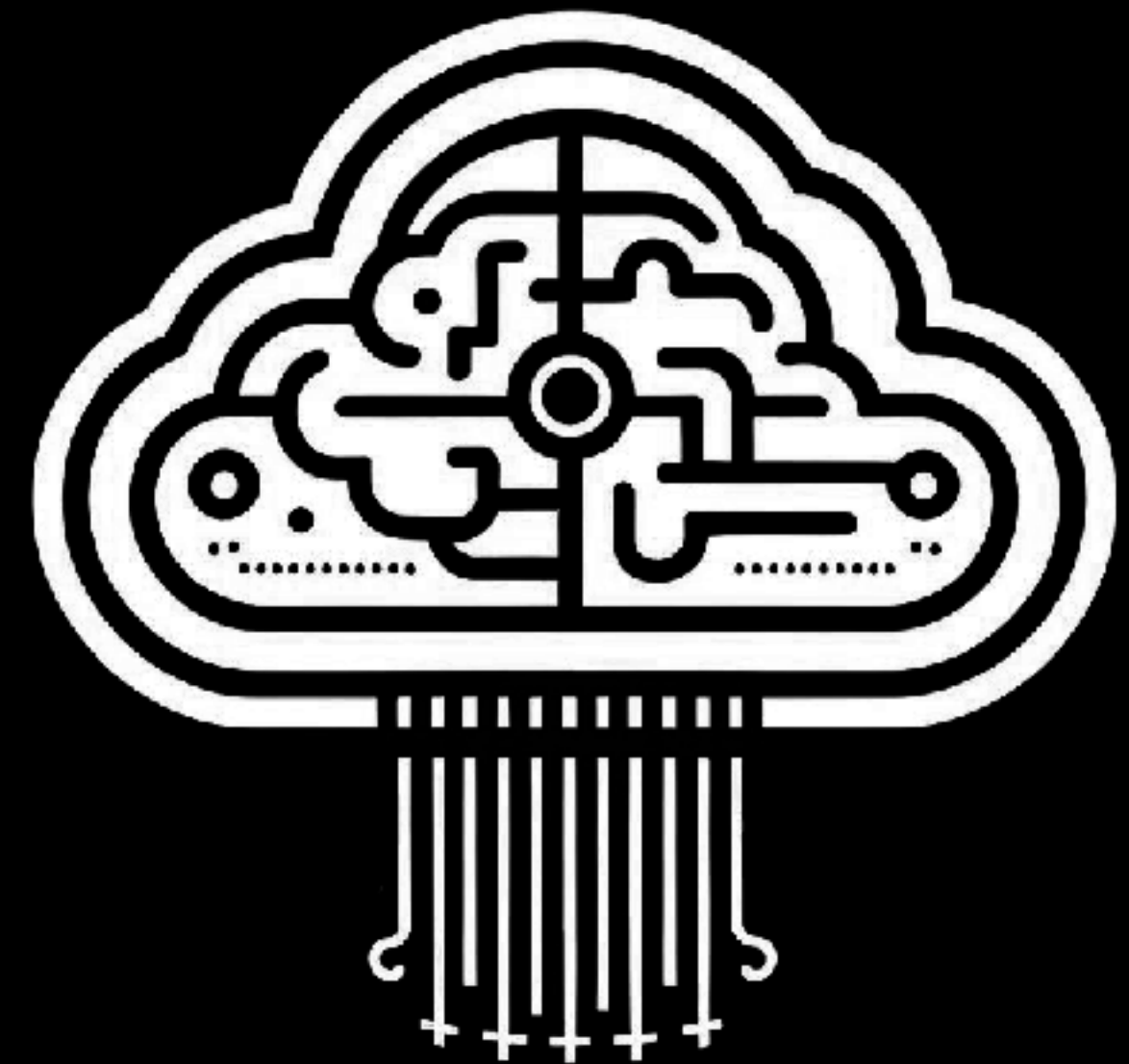


Giza Weather Game

Powered By Giza&WeatherXM



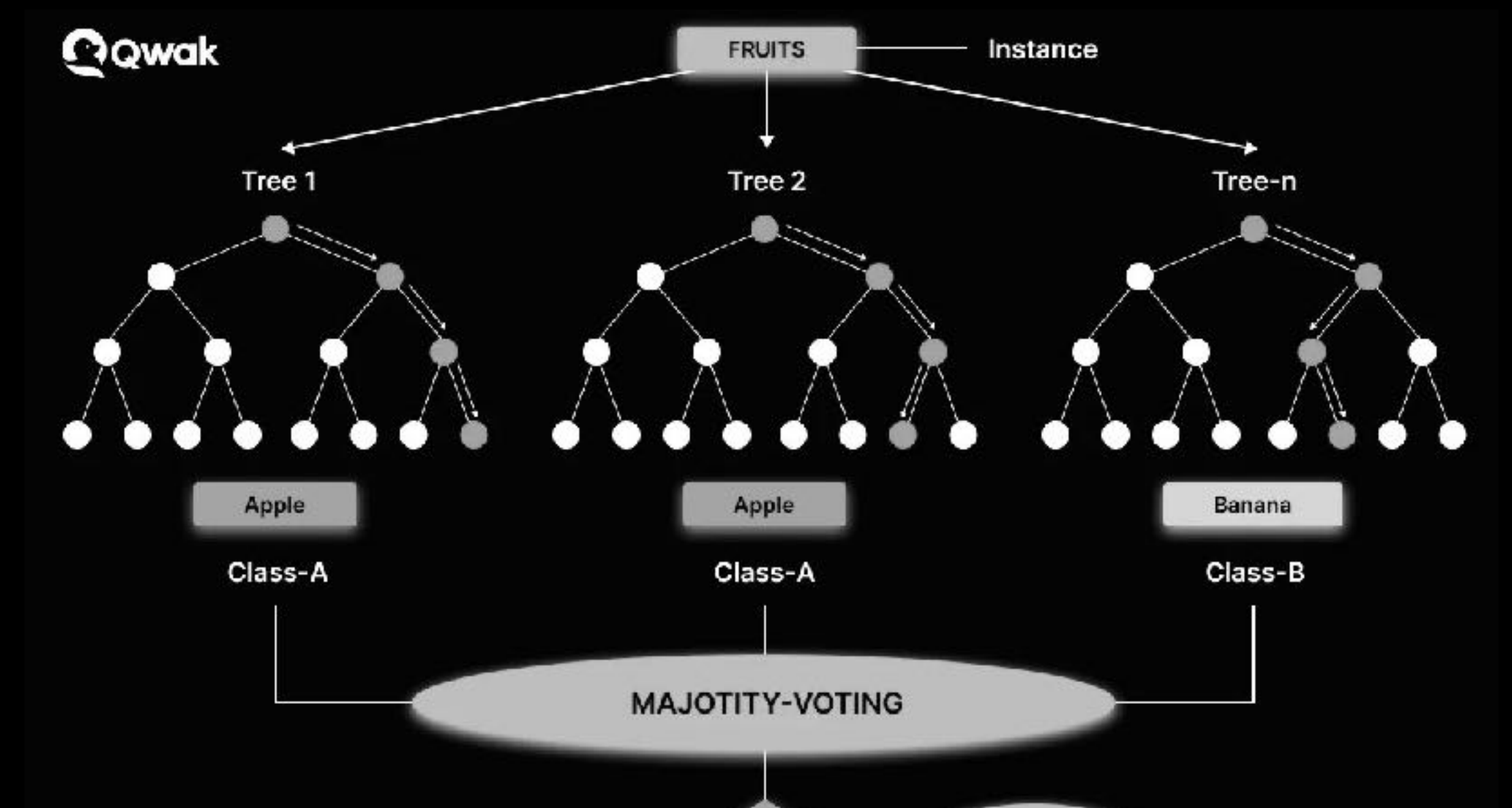
WHAT WE BUILT

- A bet game platform for predict weather (using **depin** and **zkml**)



HOW IT WORKS

- Get the raw data from **WeatherXM Data Index**, organize and clean data prepare for training.
- Create and Train an **XGBoost** Model with data. ('temperature', 'humidity', 'wind_speed', 'pressure', 'precipitation')




HOW IT WORKS

- Transpile model to Orion Cairo with **Giza**(starknet) and deploy it on Giza Platform.
- Write a **prediction game** smart contract(Cairo / Solidity) and deploy on Sepolia.

Curated onchain data

Leverage curated datasets created for Machine Learning from onchain data.

[Start building](#)



Create verifiable model

Convert any model into a Verifiable Machine Learning model leveraging Zero-Knowledge cryptography.

Converting to verifiable model

Transpilation completed successfully 100%

Run verifiable inference

We use ZK cryptography to provide verifiable, tamper-evident proofs of ML model executions.

Inference credentials

Information ID: 08050495-6e62-4261-a548-862c2

Use this information to verify


0x4731D560

ZK Machine

Download ZK_ML proof

Protocol integration

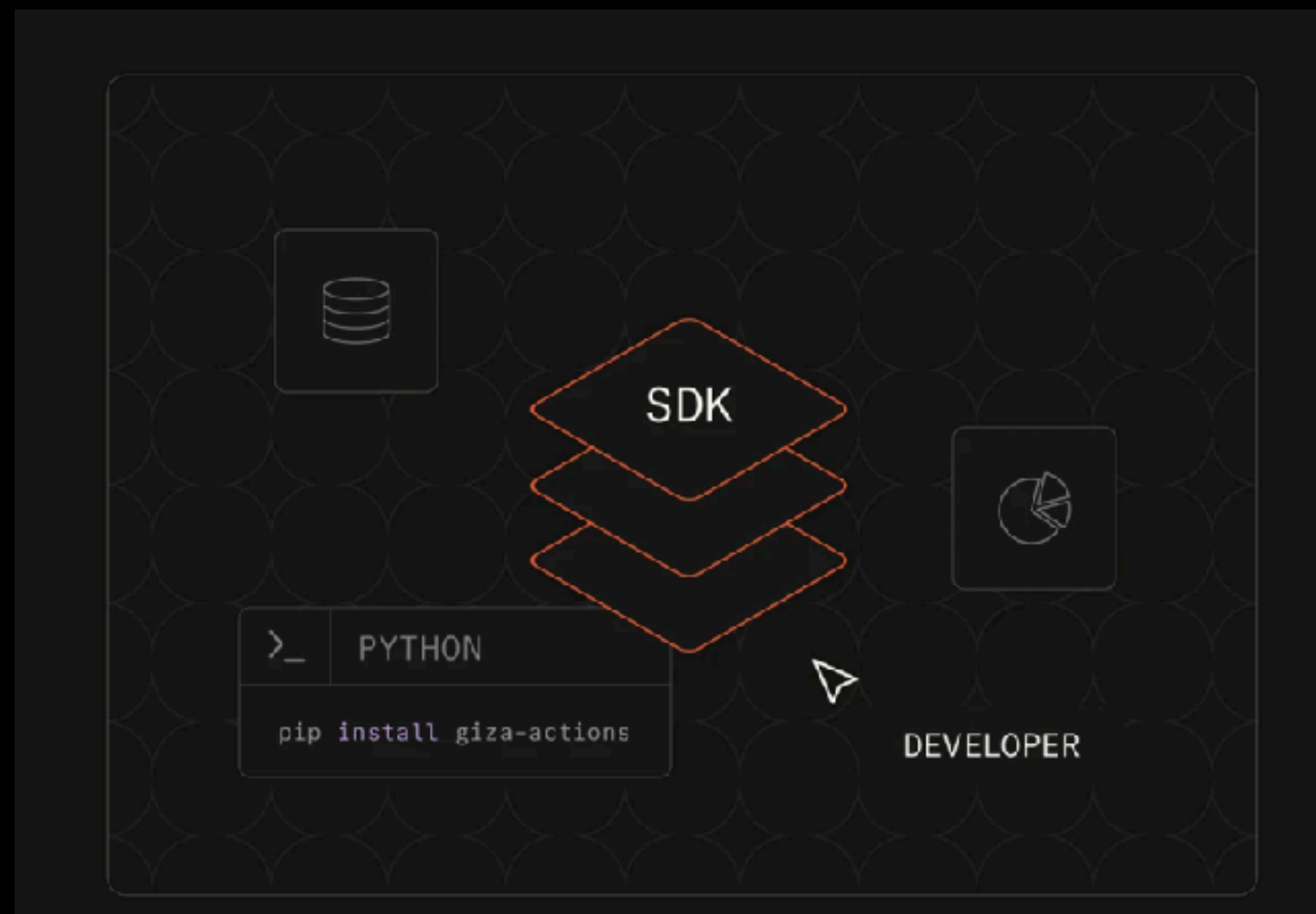
Integrate Actions into protocols through EVM verifiers, for efficiency, revenue growth and adoption.



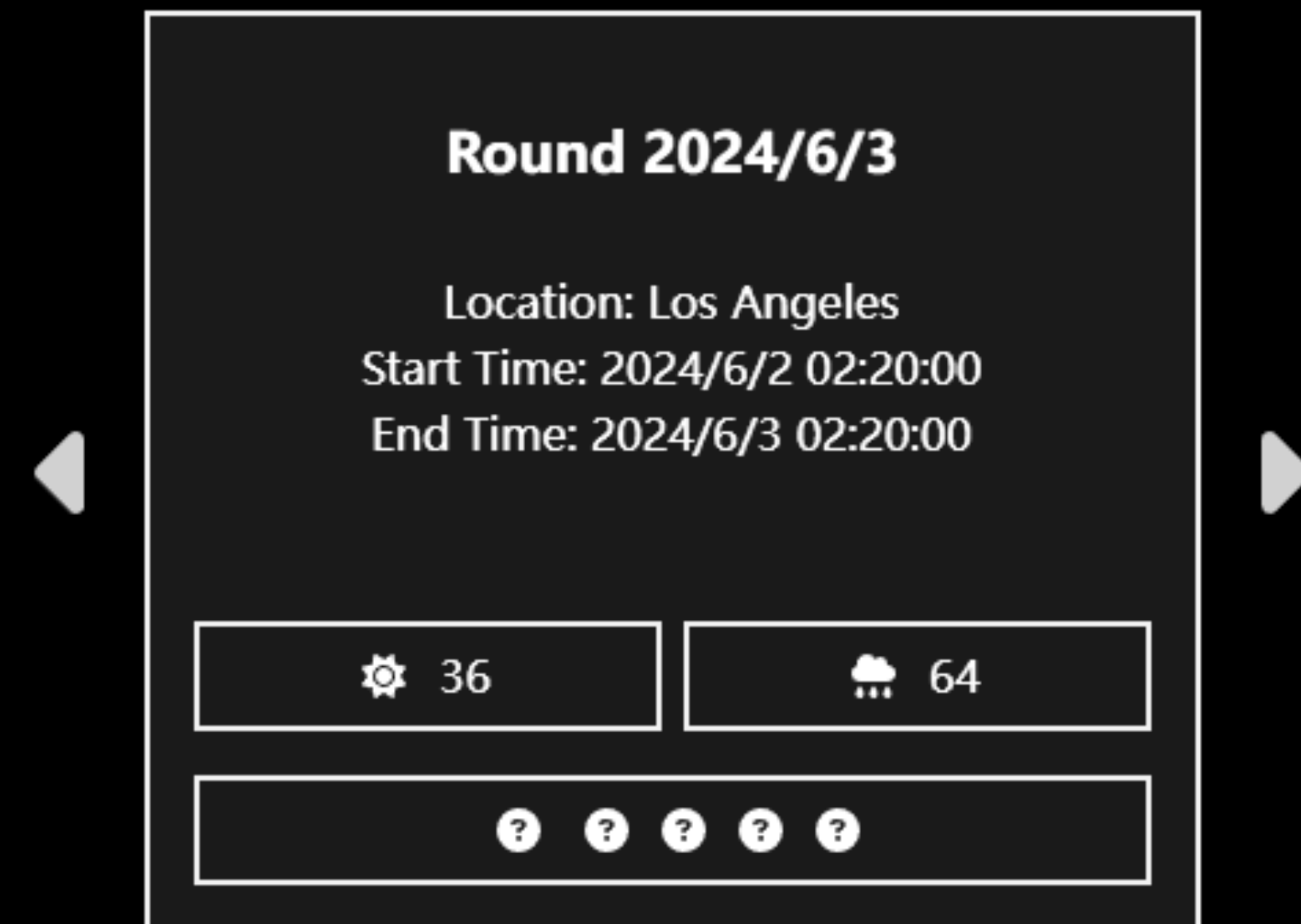
Amount	1X	3X	9X	27X	81X	Fund	243X	729X	Emergency Fund
₹10	₹10	₹30	₹90	₹270	₹810	₹1,210	₹2,430	₹7,290	₹10,930
₹20	₹20	₹60	₹180	₹540	₹1,620	₹2,420	₹4,860	₹14,580	₹21,860
₹30	₹30	₹90	₹270	₹810	₹2,430	₹3,630	₹7,290	₹21,870	₹32,790
₹40	₹40	₹120	₹360	₹1,080	₹3,240	₹4,840	₹9,720	₹29,160	₹43,720
₹50	₹50	₹150	₹450	₹1,350	₹4,050	₹6,050	₹12,150	₹36,450	₹54,650
₹60	₹60	₹180	₹540	₹1,620	₹4,860	₹7,260	₹14,580	₹43,740	₹65,580
₹70	₹70	₹210	₹630	₹1,890	₹5,670	₹8,470	₹17,010	₹51,030	₹76,510
₹80	₹80	₹240	₹720	₹2,160	₹6,480	₹9,680	₹19,440	₹58,320	₹87,440
₹90	₹90	₹270	₹810	₹2,430	₹7,290	₹10,890	₹21,870	₹65,610	₹98,370
₹100	₹100	₹300	₹900	₹2,700	₹8,100	₹12,100	₹24,300	₹72,900	₹109,300
₹500	₹500	₹1,500	₹4,500	₹13,500	₹40,500	₹60,500	₹121,500	₹364,500	₹546,500

HOW IT WORKS

- Automatically obtain weather data (with **WeatherXM api**) and feed it to the model to get the rain probability, and then upload it to the sepolia to create predictions round with **AI agent(Giza)**.



- User has fun with this via frontend(**next+ wagmi**)



Demo