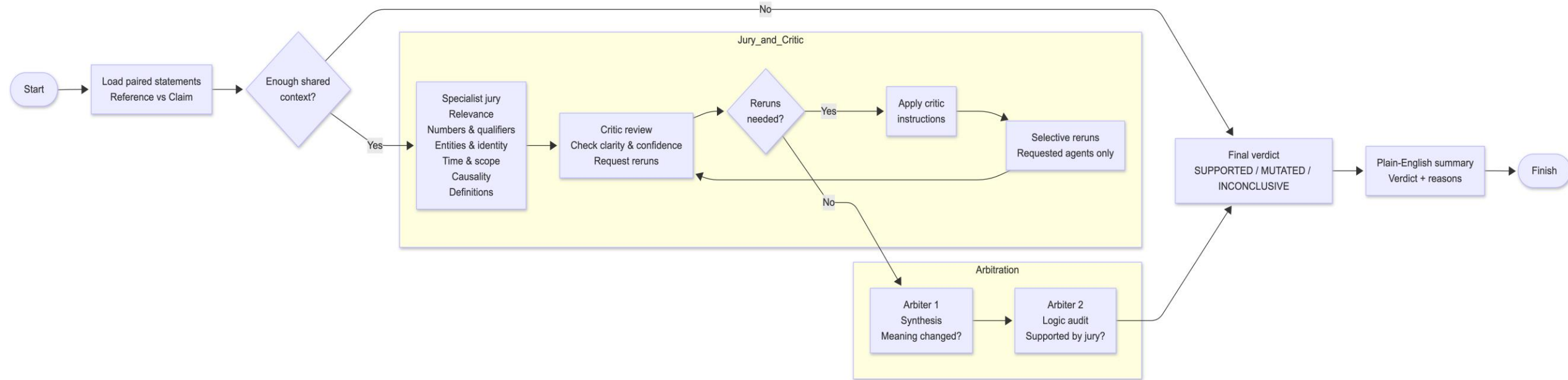# FactTrace Hackathon: Faithful or Mutated?

North Star Team

Motivation

Instead of asking whether a claim is true overall, we evaluate each distinct aspect of its truth separately.

Our System

Reference truth: As of 1 Aug 2019, the video had **over 4.1B** YouTube views and was the **third most viewed** on the platform
System claim: After 31 Jul 2019, **See You Again** reported **4.1B** YouTube views

- **Step 0 – Inputs**
- Reference: *Over* 4.1B views as of 1 Aug 2019
- System: 4.1B views reported after 31 Jul 2019
- **Step 1 – Context Sufficiency**
- Same timeframe, platform (YouTube), and metric
- Context judged sufficient
- **Step 2 – Specialist Checks**
- Pass: relevance, numbers, causality
- Fail: entities, qualifiers, definitions
- **Step 3 – Critic**
- Criticises song name vs ranking ambiguity
- **Step 4 – Arbiter Decision**
- Entity added ("See You Again") not in reference
- Ranking omitted; "over" qualifier removed
- **Step 5 – Final Verdict**
- **MUTATED** – material omissions and precision drift

Reference truth: As of 23 Apr 2020, **49,492 cases caused 3,313 deaths**
System claim: By 23 Apr 2020, Brazil reported **<50k cases** and **<3.5k deaths**

- **Step 0 – Inputs**
- Reference: 49,492 cases caused 3,313 deaths (23 Apr 2020)
- System: <50k cases, <3.5k deaths by same date
- **Step 1 – Context Sufficiency**
- Country, date, and scope fully aligned
- Context judged sufficient
- **Step 2 – Specialist Checks**
- Pass: relevance, numbers, entities, time, definitions
- Fail: causality
- **Step 3 – Critic**
- Passes
- **Step 4 – Arbiter Decision**
- Causal link (cases → deaths) removed
- **Step 5 – Final Verdict**
- **MUTATED** – loss of causality changes meaning

Thank You!