Multi-Agent Games

Concept pairs from knowledge graph

ASSIGN

Basketball

Soccer

Undercover

- What is my identity?
- What is the connection between two concepts?
- What is another concept?
- How should I describe my concept?

Language Games as the LLM Testing Benchmark

Conceptual Knowledge

90 minutes

Grass field

Offside rule

Black and white

Goalkeeper

Spherical shape

Sports equipment

Score to win

Orange or brown

Indoor court

Three-point line

Free throws

Commonalities and Unique Features Among Concepts

Automatic Judge System

This is a piece of sports equipment.

A B C

It's an object that rolls around on the grass.

A B C

It's a spherical object.

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LLM-Based Agents as Different Roles for Interaction