Sure, I'll create an assurance case for the interpretability of the DeepMind Machine Learning Enabled System using the Goal Structuring Notation (GSN). This hierarchical tree format will use dashes to denote different levels.

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Goal G1: Ensure the interpretability of DeepMind’s Machine Learning Enabled System.

- Strategy S1: Break down the overall goal into specific objectives for interpretability.

- Goal G1.1: Ensure that model decisions are explainable.

- Solution Sn: Adopt explainable AI (XAI) techniques.

- Context C1: Scope of XAI methods including LIME, SHAP, and model-specific interpretations.

- Assumption A1: XAI techniques are sufficient for explaining decisions of the ML model.

- Justification J1: Research shows XAI can significantly enhance interpretability.

- Goal G1.1.1: Implement and test XAI methods.

- Solution Sn: Implement LIME and SHAP for decision explanation.

- Evidence E1: Test results showing successful explanation of model decisions using XAI.

- Goal G1.2: Document and communicate model behavior.

- Solution Sn: Create comprehensive documentation.

- Context C2: Includes details like model architecture, training process, and input-output relationships.

- Assumption A2: Extensive documentation improves understanding and interpretability.

- Justification J2: Well-documented models are easier to interpret and debug.

- Goal G1.2.1: Maintain updated documentation.

- Solution Sn: Use automated tools for documentation generation.

- Evidence E2: Examples of documentation maintained over time.

- Goal G1.3: Ensure stakeholders understand the model's decisions.

- Solution Sn: Develop user-friendly visualization tools.

- Context C3: Visual tools to simplify understanding of model decisions.

- Assumption A3: Visualization tools enhance stakeholder comprehension.

- Justification J3: Visualizations have been proven to be effective in conveying complex information.

- Goal G1.3.1: Evaluate the effectiveness of visualization tools.

- Solution Sn: Conduct user studies to gauge comprehension.

- Evidence E3: User study results showing improved understanding.

- Goal G1.4: Validate interpretability through external review.

- Solution Sn: Engage with external experts for model review.

- Context C4: Experts in ML interpretability.

- Assumption A4: External reviews provide unbiased insights.

- Justification J4: Independent reviews help identify gaps in interpretability.

- Goal G1.4.1: Address feedback from external reviews.

- Solution Sn: Integrate suggestions and improve interpretability.

- Evidence E4: Review reports and subsequent improvements implemented.

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This hierarchical structure reflects the different levels of goals centered around the main objective of ensuring the interpretability of the DeepMind system. Each goal is linked to solutions, contexts, assumptions, justifications, and evidence that together form a comprehensive assurance case.