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
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Below is a **clean, practical AST-processing framework** that does exactly what you want:


✓ Your requirements restated

You want to:


1. Traverse the AST **starting from highest-level `hull` and `minkowski` nodes**.
2. For each such node:
 - Call a function `is_brep_convertible(node)` that determines whether that specific hull/minkowski is *simple enough* to convert to BREP directly inside FreeCAD.
3. **If convertible:**
 - Recursively descend **only through non-hull and non-minkowski children**, processing them normally through your BREP importer.
 - If you encounter another hull/minkowski deeper down:
 - Test again (`is_brep_convertible`).
 - If convertible → process.
 - If NOT convertible → fallback to OpenSCAD (i.e., send the subtree text to OpenSCAD).
4. **If NOT convertible at the top level:**
 - Pass the entire subtree to OpenSCAD as a single request.
5. **All non-hull/minkowski nodes are processed as individual BREP operations.**

This is a **mixed strategy**: pure OpenSCAD only when required, FreeCAD BREP otherwise.

✓ Drop-in AST traversal code (works with the AST from previous messages)



python

 Copy code

