(Generic) ASSERTION-PROVING FLOWCHART

Input →

Assertion →

Can you prove the assertion?

— No → **Do you know the definitions of all terms in the assertion?**

↓ Yes

Prove it!

Do you know the definitions of all terms in the assertion?
- Yes ↓
- No → **Review Definitions**

Review Definitions → (back up)

Do you believe the assertion is true?
- No ↓

Unpack definitions to rewrite the assertion
- No (up to Assertion)

Write out new assertion (up to Assertion)

Can you isolate/reduce ...?
- Yes → (Write out new assertion)
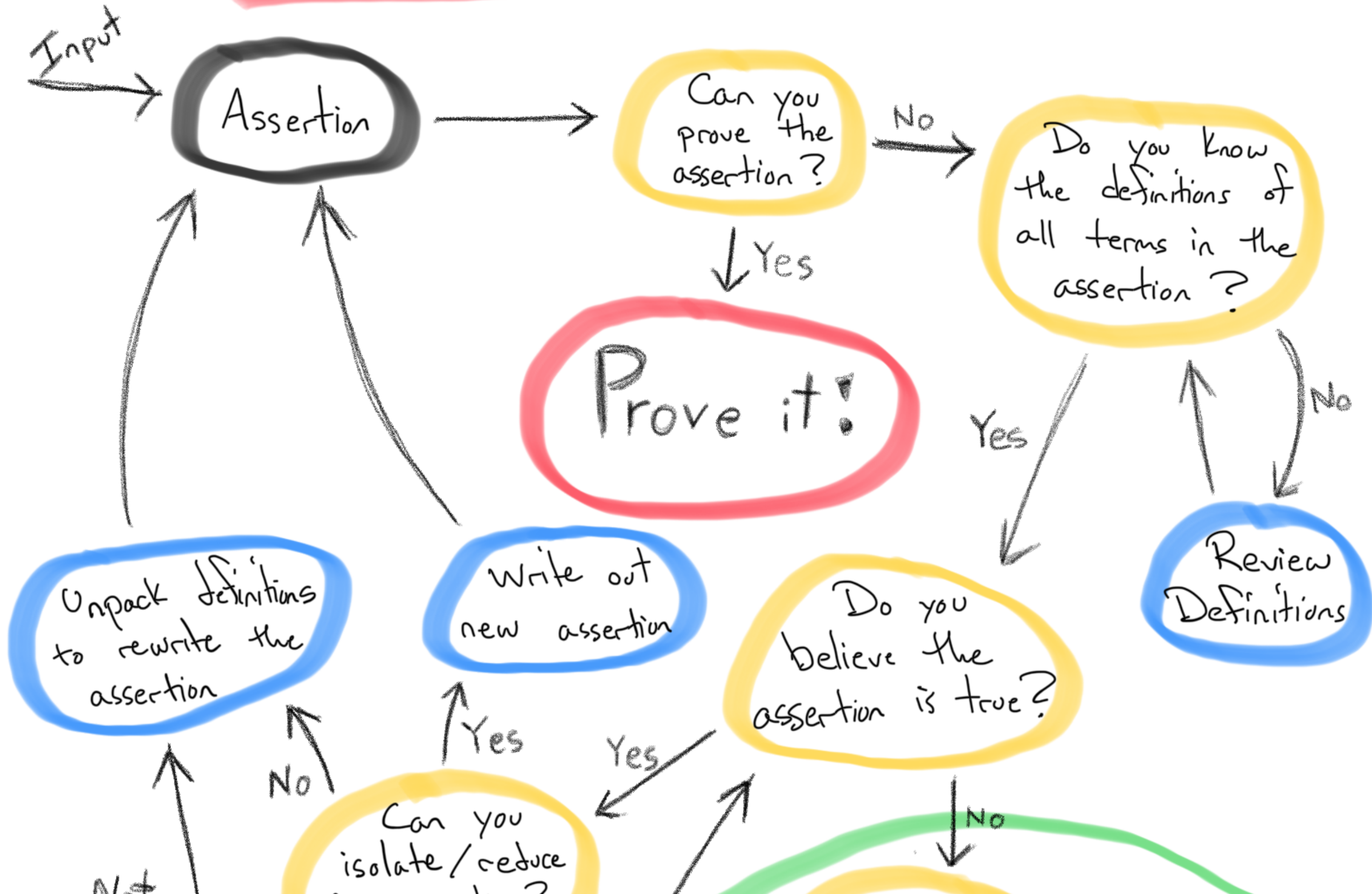- No → (Unpack definitions to rewrite the assertion)

Yes → (Do you believe the assertion is true?)

Not
Helping

the assertion?

Do you
know examples
of all definitions in
the assertion?

Review
Examples of
Definitions

Insert examples
of definitions into
the assertion

Yes

No