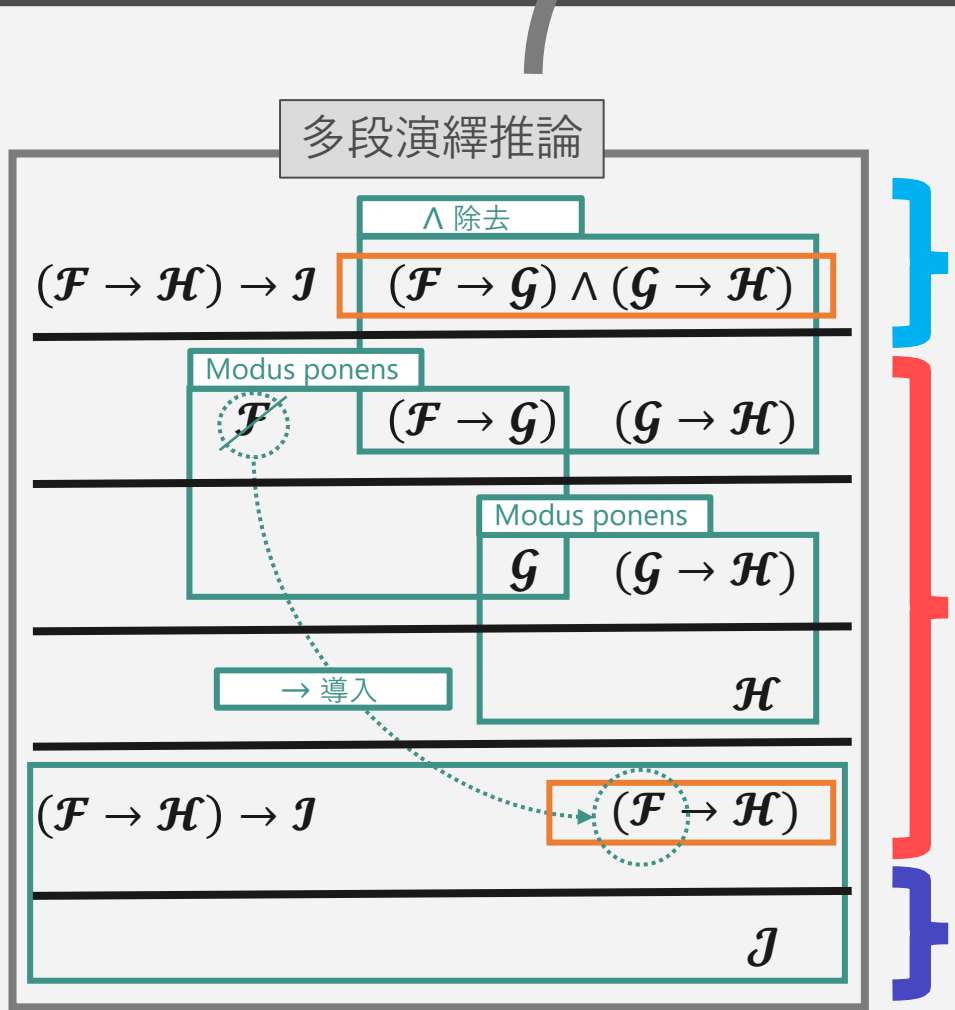


サンプル生成器

論理推論サンプル

- ### 設計指針
1. 未知の事実を含めよ
 2. ノイズ事実を含めよ
 3. 多様な演繹規則を含めよ
 4. 多様な言語表現を含めよ

完全性定理
 任意の演繹規則は、公理系による多段演繹推論で表現できる。



事実 (ノイズ事実 = 事実3, 事実4):

1. If that if a Foo star exists a Haz star also exists, $(F \rightarrow H) \rightarrow J$ then a Jaz star exists.
2. If a Foo star exist a Gaz star exists, $(F \rightarrow G) \wedge (G \rightarrow H)$ and if a Gaz star exists a Haz star also exists.
3. If a Foo star exists and a Kax star exists, $(F \wedge K) \rightarrow J$ then a Jaz star exists.
4. If a Haz star exists, then a Gaz star exists. $H \rightarrow G$

仮説:
 A Jaz star exists. J

論理ステップ:

Fact2 \rightarrow If a Foo star exist a Gaz star exists. $(F \rightarrow G)$
 Assume that a Foo star exists. \rightarrow A Gaz star exists. G
 add assumption \underline{F} Fact2 \rightarrow A Haz star exists. H
 (remove assumption \underline{F}) \rightarrow If a Foo star exists $(F \rightarrow H)$ a Haz star also exists.
 Fact1 \rightarrow **A Jaz star exists.**

