














## ProofSearch







 cs: Dict  
 formula: String  
 atoms: List  
 musts: Dict

 atomize(): void  
 conquer(String): List  
 look\_up\_in\_cs(String, String): List  
 merge\_two\_tables(List, List): List  
 apply\_condition(List, Tuple): void





## Helper

 parse(String): List  
 simple\_merge(List, List): List  
 uniq(List): List  
 replace(List): List

## Tree

 root: Node  
 musts(String): List  
 compare(Node, Node, List, Dict): List  
 sum\_split(String): List  
 simplify\_bang(String): String  
 has\_bad\_bang(String): Boolean

## Node

 token: String  
 parent: Node  
 left: Node  
 right: Node

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1