

Abhiram

def skolemization (statemen): SKOLEM - CONSTANTS = (f'schr(c)4' for c in range (ord ('A', ord ('Z')+1)] malches = re. findall (1 []. , statement) Por match in matches [:: -1]: Statement = statement. replace (match, 11) for predicate in get Predicates (statement): attributes = get Attributes (predicate) If ' . join (attributes). is lower (): Statement = Statement . replace (match [1], SKOLEM - CONSTANTS . POP (0)) return statement import re def fol-to-cnf (FOI): Statement = fol. replace ("=>" , "-") expr = '\[([1]]+)\]' Statements = re. findall (expr. statement) for i, s in enumerate (statements): if '[' in s and ']' not in s: statements [i] += 1]' for s in statements: statements = statement replace (s, folto-caf (1)) while 1-1 in statement: i = statement index (1-1) br = statement · index ('(') if '(' in statement else O new - statement = 'n' + statement [br : i] + '1' + statement [it statement = statement [: bi] + new-statement if br > 0 else new-statement return Skolemization (statement) Print (fol- to_ cnf (" Vx (likes (Ram, x) =) likes (site, x)"))