USN-1BM1895063. Dale 1/1/21 Al Lab Test (2) (w) the Reagram english > All gardenes like the Sun FOL > forall M, gardener (N) > litus (M, Sun) English to FOL infact re. def get Attributes (Abruny): extr = 1/([/])/ maldry = 21. findall (asfa, string) return [m for m in str (motoly) is m. isalfha ()] dy get Predicales (thing): whe = (a-2~)+([A-2a-2]+). Return Re. frindall (expe string). def Demorgan (sentence): string = " . join (list (sentence) . copy ()) string = string . eeplace ('~~','1) flag = 15' in string. string = string. leplace (' ~ (')') string = string , strip ('J') 3 for predicate in get Predicate (steing): string = string. replace (predicate, f' ~ Speedicale) S= list (string) (p 10)

Name - Nimit Sajal

for i, c in enumeral (string): y (== 'V' SCXJ = 1/ ely c-: 'N' VV = VVVstrug : Jouls . string = string o replace (" ~ ~', ") Leturn f'[[ckuy]]'ij flag else skring. def skolemisation (kinlenn): constants = [f'Echae (c)] porc in lange statement = " join (hist (sentence) · copy CV.
matchy = 21 · bindall ('[V7] .' statement) (ord ('A'), ord('2') +1)] for match in matches (:: -1]: match !!

statement = statement . replace (st. + (1 = 1)) Adoments = 21. findall F(')[[[1]]+1]) Statement) for sin statements: The same of the sa stalement = stalement. explace (5 5 (1:-1]). The same of the sa for predicate in get predicate (Hatemert) attributy = get attribute (predecal)

if " jon (attributer) · is love (5: Statement = Holamust. Explace (mater () contact. fig (a))

else: al = [a for a in althout if a. is low []) av = (a for a in attribute is a is is toun ()) Stalin - Stolut . & Setum Halimit. def fort-to-conj (fol): Hatement = fal. explace ("(=>","") while in statement: i = statement index ('-'), New- Holint = [+ datured [:i]+'=)! + stalent Ci+ i: J+ JA[+. Stalement (i+1:)+'=>'+ Haland: i]7+'j' statement 2 new statement i s in enumerate (statements). if 109 in s e 191 mot in 5. Halement [i]+= a'] pos 070

for sin statements: statement: statement o seplace (S. feel to cy(s)) while I in senterer statement. i = statement . inder ('-')
by = statement . inder ('[') ij '[' in Statemer, ello. mes = 'a' + statement [bla: i] + 1 v' + Statement Ci +1:] statement = statement [: k] + mu y & >0 ela nuo,

The same of the sa

selen statent.

feel = input ("Enter for sentence: "n").

point ("in The cut form is:").

point (pholemisation (bold-cry (fol)).