to CH	FOI To CALE COUNTY Date
POCK A OR	FOL to CNF coursing Page
-9	Stepi) count a list of SKOLEH. CONSTANTS
	Step2 Find \$3 -> ture solds
Clare Well	of the albribules are Lower case, suplace the
	cloith a sholem constant.
	remove and spen
	remove used skolem constant or function from
	- 11.1 E PARS
	if the allribuly are bothe lown case and
	appearable suplece the appearance albeitutes we
	a Skolon function.
_	Dean land his high the
	Step3: suplace with '-'
	bransform - as Q = (P = Q) 1 (D = P)
	( ) ( ) ( ) ( ) ( ) ( ) ( ) ( ) ( ) ( )
	Stopy: replace = with (-)
4.0.14	
- 19	Staps: Apply de morgan e Law
	ruplace ~ C
	: as ~ Pf ~P ib (1 was present)
	ruplan ~[
	as ~P/~ o if (f was great)
	supeail ~ wir ""
	COMP PROPERTY
	for health as the second and a second
	* K King (x) A lyrudy (x) -> Evil (x)
7,	K = (0) ^ Sheedy (R) => Evil (R)
	~ [King (e) A grundy (e)] V Eile (e)
	(Kingle) I gang (a)
10	~ (K ] (x) V ~ (eneedy (p)) V Ei
tro	( C) ( C) ( Greedy ( E) )
To Water	goller 1803 in Manual Ce
- white	- No. Feedball (LTV 2) 1.

	Page of the countries o
	del not Atminutes (Steway):
	expr:
	matches - re fridall (wife, string)
	return (m for m in Str (matches) up m. isappear)
mark o	dy god Poudicales (Rhang).
	expn = '[a-2~]+(A-Za-z]+'
	ocether one fondall (cuseps, string)
Ann Laux	des Dre Morga (Sentence):
	string = ". join (list (sentence) · copy ())
	Stung = Stung repeace (""")
(14)	frag = '[' in string
	Strig = strig replace ('~[', ''')
	for predicate in get predicate (Alig):
	sty - stig repease (prediced, t'- [prick
	S = list (stig)
	for i, ciù emmerate (stig):
( t	engage 1) & if E= Ui:
	8 [i] = 'f'
· (Just	a 1200 ) Le vely C+= 141:
	" " shee & Ci) = i phogen.
	Stage ". jour (s)
	Sty : Ha . replace 1 "~~" ")
(d	1 1 Stig 147 1 withen for
(4	Soil or (a) mayor or (a) and
ا شاير (م)	dy skolemización (sertura):
	SKOLEM_CONSTANTS = [f'four (c) } forc in rage
۵)) ۷ لتنا	(ord ('A'), ord ('z')
(4)	Statement = ". jain (less (sentures) -copy 4)
	materis = re. findale (1'[+ 7]. , status)
	for matches in rematour [::-1]

	for predicate inget predicates (Hote)
	attributes - get Attribute (predvall)
Herry 1943	(altributes) :18 lows (1)
	Stalement: Staleand replace (matchle),
	Skolen contacts : pop(a)
	else:
	al = [a for a in alleibute if a island]
	all = [ a for a in albubils if not a retorna
	Co7
	Julian Stational
	1 M January Diagnosia, of Ca
	while '-' in statumed:
its control in	Gratement Andex ('ny)
	Statement - lest (statement)
	Statement [i] = , Stalent [iti] , Stalend(iti]="7
7	Statut [i+2], (N)
	Halement = ( ' jain (statement)
	Statement : statement repease ('N[+', '[~+')
	eaps - ((~(E)+)))
	for Sin Stabilities
	Car = (n)
	for S in Statements:
	Stalend - Stalend . replace (5 ptages
	rete Statuil.
	was the constitution

## output:-

```
print(Skolemization(fol_to_cnf("animal(y)<=>loves(x,y)")))
print(Skolemization(fol_to_cnf("∀x[∀y[animal(y)=>loves(x,y)]]=>[∃z[loves(z,x)]]")))
print(fol_to_cnf("[american(x)&weapon(y)&sells(x,y,z)&hostile(z)]=>criminal(x)"))

[~animal(y)|loves(x,y)]&[~loves(x,y)|animal(y)]
[animal(G(x))&~loves(x,G(x))]|[loves(F(x),x)]
[~american(x)|~weapon(y)|~sells(x,y,z)|~hostile(z)]|criminal(x)
```