Amber MA Mriter (AI lab) Program - J 1BM 18 (So13 AI bale -2 import refund : (a) Mariabla (re): () salphai. or long () supplied is long () and reight () def get Attributes (s): vefr = "\([n)]+\)" m= re. findall (order, s) return m class tad: del - init - (self, expression) tredicate, harans = self. All Enfression (enfression) self. fredicale = frédicale self. farons = farons self. resut = any (self. get Constant ())

Ambee Malin () [marof. fled 1 BM 18 CS. D. def split Foressian (self, e): toit A I lale. h= get Brolicate (a) [a] montoutful colo faron = get Attribute (e)[o]. strif ('()'). still', return [], params] def getherett (self):
return self-result def getlanstants (self):
return [Nane : istariable(c) else a for a in
self. faramo def getborialles (self): ne trade reduce le l'adriable (t) else Mone foir t'in def substitute (self, constants):

E = constants · copy () Jeff Self broducie ? ({) joint Constants.

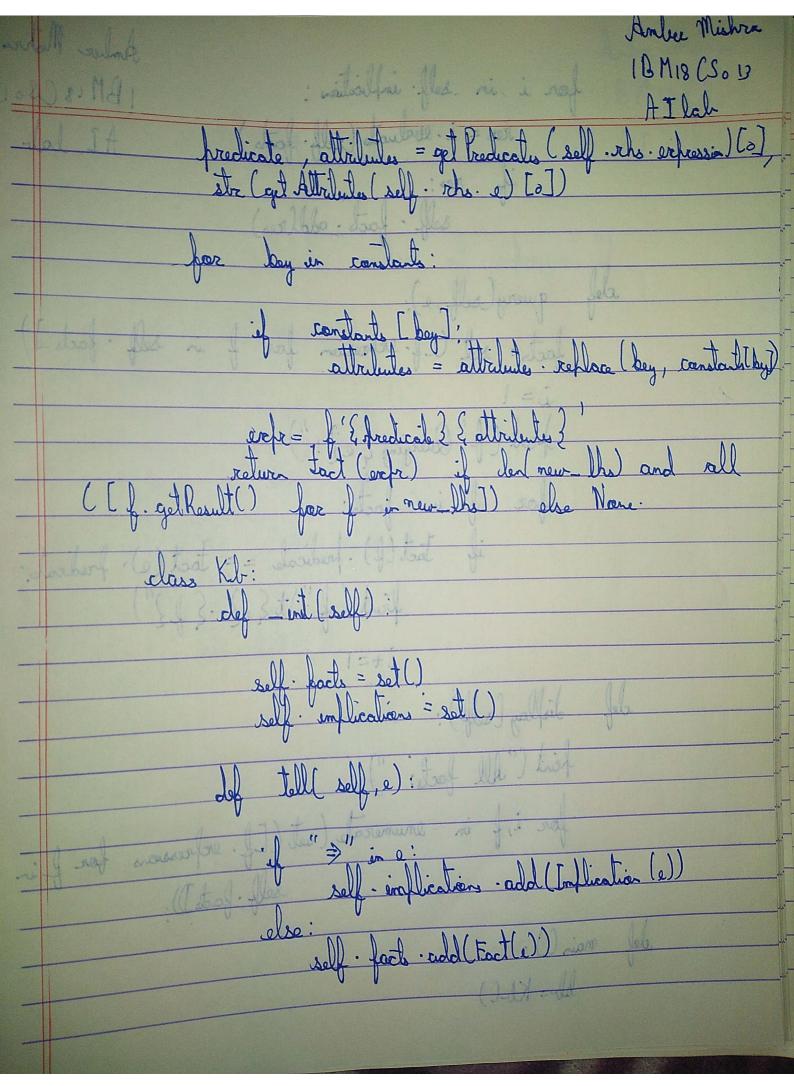
({ [marat. fled in f Anlew Make teluren tact (f) fles maissenfattilles

class Implication:

del -init-(self, e): 1BM 18 CS = 13 A I lab Ille. ('()') fits. Estable à Leithte : word ('&') tilk · l = l self. Iho = [Fact (f) for f in lo]. Alit('¢') self. rho = Tact (L[J]) del evaluate (self, facts):

Constant = { }

New_thereof is not a onle for fact in facts: Otratara de Curitarion (Curitarion). canataras Drios. () Limbert lenov. Mr. afford (fact)



Amber Matra for i in self inflication:

res = i . evaluate (self foots) 1 BM 18 CSON AJIH AI lab the superial self. facts. odd(res) fela query (self, e): facts = set ([f. expression for f in self. facts]) frient (f" Querying [e]:") for fin facts: if tact (f). fredicate = = tact (e). fredicate. frant (f" \t \ i \} . \ \ f \ \] def display (self): fint ("All facts: ") his for i, f in Inumerate (set ([f. expressions for fin del main W: toot blue toof . Hed bb= Kb()

Ander Mahra · 1BM 18 (So13 of ("Penter KB:" for in in range (n):