DL Solutions

- 1) All swans are white. Statement
- 28) (NP) V (Ng)
- Frank Frank

- S) There is no lorgest number. Statement
- - (TAT)VT
- 9)) This is exercise number 9. Nota statement, self-referential

12) pV2

'83) T 36) T Use

13) p/q/r

- truth table for HI) T P=>9 (42) T
- (p/r)/(mg)

- 7

- 16) (NPVNr)19.
- 17) Willis is a good teacher and his students love math
- 23) It is not the case that Carla is a good teacher or Carla's students hate math.
- OR Carla is a bad leader and Corla's students love of math. (De Morgan's Law)
- 24) It is not the case that Willis is a good teacher and Willis' students hate
- & Willis is a bad teacher or Willis' students love math.
- 25) p: "Polly sings well" T 2: "Quenton wither wich" F c: "Rita is good at math" T

- 49) PM(2)
- SS) (p/g) 1

P	9		6/6	(P/Q)/1
T	T	7	-	7
Marian.	esper-	C.		F.
nias (rejection)	6.007 6.007	T	-	-
7	F	Comp.	F	gree.
∫ ,	7	T	F	-
F	7	F	F	Fr.
F	£	7	Pare	E .
F	5	Fin	grate.	Ear-
	!			

S6) p/(q/r)

<u> </u>	9	(911	P1(211)
T	T	T	T	- Park
T	T	F	F	Siene.
T	F	17	F	France.
1	F	F	F	Market
F	T		T	Section.
	T	F	F	Renn Renn
F	F	7	F	Exem.
Same.	-	F	J. J	garra.
	·			

$$(60)(pVq) \Rightarrow p \qquad \frac{p|q| pVq|(pVq) \Rightarrow p}{|q|} = \frac{p|q| pVq|(pVq) \Rightarrow p}{|q|}$$

Fibonacci's Rabbits

Month	Nu	imber of	Pars		
1	1	Y D		(i) max.	The state of the s
Zu.	1	OD		tus mos	of or orange box represent which produce pair of burnies each month.
2	2	(DD) 99	1+1= 2	a new	pair of bunnies each month.
<i>l</i>	3	00000	00 42=3		Notra the pattern, starting with
		(DOCODE)	I 80 DD 2+	3-5	month 3, the number of pairs
G	8		3+5=	8	is the sum of the numbers in
en of the	13		V		Il. mise of the months.
8	21		· · · · · · · · · · · · · · · · · · ·		the previous two months.
9.	34		,		If we want to know the number
10	SS				for month or, say For, then
1	89				galph-
1200	[44]				the formula is Fn = Fn-1 + tn-2.
				part 1	his is called the recurrence relation