POTRIMBA PETRU 928850

1)
$$\vdash \phi \rightarrow (\psi \rightarrow (\psi \lor \tau \phi))$$

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T	T	F	F	F	F	T	T	$-\alpha$
T	F	F	T	F	T	T	T	(b)
F	T	T	F	F	F	T	T	
CONTER	P	D	T	Т	F	F	(E) ↑	
		A CONTRACTOR OF THE PARTY OF TH	107 0 5	THE RESERVE OF THE PARTY OF THE		TWO DESCRIPTIONS		

Since this is Jobe that news that it comet be moored, nonely it is not true in all the interpretation.

G

2) AN(1BN(C>7A)) An (78 ~ (7CV7A)) Detriblisty AN ((7B17c) V (7B1741) Distributivity [AN (7B17C)) V [AN (7B17A)) (ANTBATC) V (ANTBATA) DIF TOTE: this will be obnoys folse since ANTA 3) Ø: 7AVB Y: (ANZC) -> (BVC)

I use the Deduction Theorem, so = 8->4 C | 7A | 7C | 7A VB | A, 7C | BUC | Q -> b | (7AVB) -> K A B C | A->B| (A>B)->C | A->C | Ø->Y

Ø: (A→B)→C Y:A→C Two the Deduction Theorem, 20 = 0 >4

T Sina this is take thould E to the Deduction Theore, 1 con conclude that y is not a loyed consequence

C Since they are all time, that mean (from the Deduction Theran) that

4) I complete the preparations: POTRIMBA PETRN 928850

8, m and s os "the gold sood brings pouts the ext"(8)

"the opposite morble and brings you to the ext"(m)

"the store road brings you to the ext"(s)

Then, I express the three statements made by the quandless as compared propositions using g, m and s.

761 = (79) V(DAZm) 162 = 9 VD

763 = (78) Vm

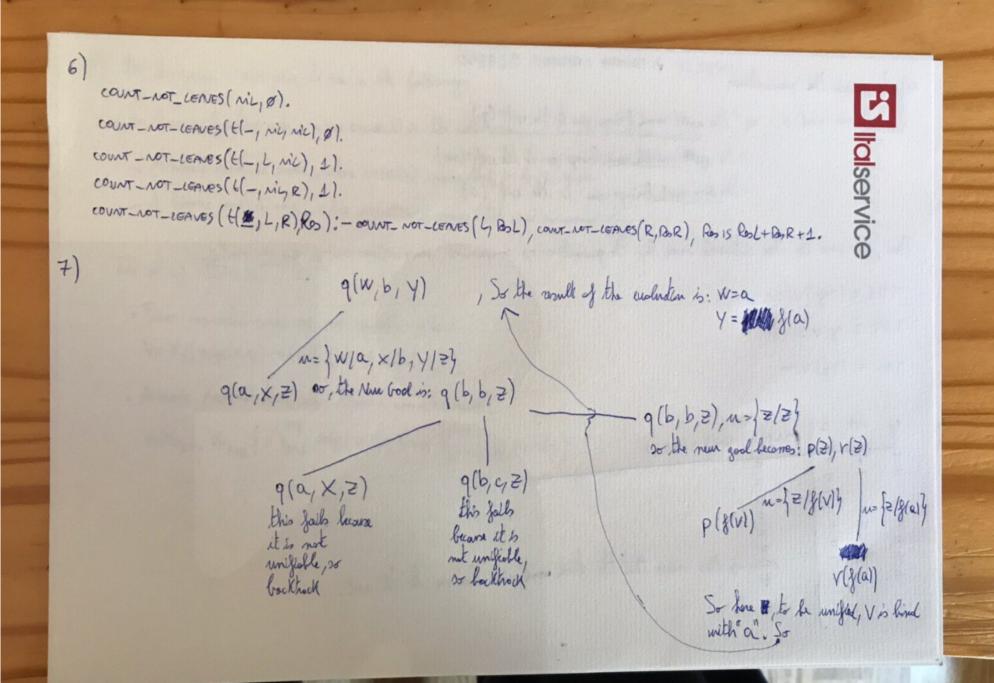
g m s	1765) 1 (762) 1 (763)	
TFF	F	
F T F F F F P	E this mean that the stone good will laid me to the e	×it.

- 5) The language I am going to use is the following:
 - A wrong function color, where cocor(x) is the color ossalated to the mode x.
 - A way predicte made, where rose(x) means that x is a made.
 - A binary predicte edge, where EDVO(X14) means that x is connected to y.

The set of axions oe;

- . Timo connected modes are not equally solved: Yx Yy (edge(X,Y) -> (color(x) + color(y))
- . A mode does not have more than & connected modes:





S) "Generate and test idea is to describe the entire problem by means of a generator, that enumerates condidates for the solution and a test that veriges whether a generate condidate is in fact a proper solution.

On the other board "Constraint on generate" idea is to all the constraint to the problem in order to all minds all the condidates that will not be part of the solution since they do not respect the constraints of the problem. After done that, the solutions are greated.