CPSC 421/501 Sept 9, 2021 () How much damage can one fool inflict on a village of otherwise wise people? Z How much good can one uise person do in a village of otherwise fools? - Source : Chinese sages, African wisdom, etc.

SUMMARY OF CPSC 421/501 - How much damage can one Subroutine that attemps to solve {-the halting problem } {-SAT or 3COLOUR} do in a program of otherwise $O(n^2)$ (quadratic time) subroutines?

You've probably heard this one in some form? - To err is human, but to really foul things up you need a computer. Seen on a poster with Karmit the Frog, involving toilet paper running amok

Course website! https://www.cs.ubc.ca/~jf /courses/421. F2021/index. html h = homework Gradingi m= midterm f = final 421: (10%)max(h,m,f) + (35%)max(m, f) + (55%) f501: (80 %)(421) + (20%) Presentation X prel 80, QC $I - \times$

Subject -- CPSC 421/501 emuil: jf@cs.ubc.ca Individual Homewark: 1 person (Group Hemewerk: 54 people) Uncffizal _____' You will pess (50%) if you Can (Write a simple DFA algorithm E :: ... Turing Machine : BUT YOU MUST EXPLAIN HOW THEY WORK

First 2 weeks we follow a handat! Uncomputability of Running the Surprises in CPSC 421/501 Paradones sometimes Theorems Paradoxes () [I an lying (right now). This statement is a lie. 2 "the smallest positive integor ?? not defined by a phase in English " of one thousand words or fewer"

Say this number is n=127546298138 -- $10:04 pm \rightarrow 10:04 cm$ The Berry peredox Russel) due to

The hande of for 1st two weeks Muolve "self-referciesse" - Paradox es } <--- <--- - There exist insolvable problem s" t negetiven " = (Sids remek) T-shurt 1 - The helting problem or , the acceptance problem is undecidable Ich ore not (...) reading this " "This F-shirt does " not reference itself () Russell's periodox! Let S= {T (T & T } "Let S be the set of sets that do not comptain themselves." Is SES { if yes, SES (...) (does S contern itself ?) } if no, S∉S (...) Commen resolution! Sthe of all rets sit. black

Leste writes about (and only about) those who do not write about themselves.

Does Leslie write about (histher seth) themself, thenselves If yes :