21-1	Church - Turing Thesis
TETAM REGINERAL MAGAINANA PROPERTY OF THE PROP	J.
The control of the co	"Any computation or algorithm can be
	expressed as a TM or 1-calculus term, "
	Yce 'computations'. [Fretm. M(c)=M(=)) M(Emex. M(m)=M(c))
	"complation" = TM = 1-calculus
	axiom = provide
	faith MTM -> 1+ number
manana andono sa ta	= < ? shuld be possible
- Constitution of the Cons	$NTM = \lambda + class$
"problems"	"algorithmedidas" = "Programming lunguages or sufference"
= ALL	= Z, ITM = C = Ocum!
en a visitorian	
	= "hardware" = Racket = Rst
	= TS
	= PFC
Value (mail princip history has have vigor 13 and not be represented in the control of the contr	ALL Es E possible
	ALL = 80 -> All guestions have efficient algorithms
	to answer
	ALL = EI 1 So ± EI > All questions are possible to answer, but not efficiently
	ALL \$ E, 1 E & E, -> Some grosting have no answers and some alg, are
	7 = Fo mherently not use ful
	reality ALL

21-2/ Polynomial Root Problem	egennementscher State (1986)
Polynomial over n variable (X, Xn)	Goddelinde Collection was to the collection of t
$= \underbrace{\begin{cases} \langle x_1, x_2, \dots, x_n \rangle \\ \langle x_n, x_n \rangle \\ \langle x_n, x_n \rangle \end{cases}}_{=}$	
3xy + 4x2y3 + 2x9941000	TATOLINE SACRETION OF THE PROPERTY OF THE PROP
The state of the s	
Finda value for all variables s.t. He poly = 0	
ax2+bx+c x=\sqrt{b2-4ac} (quadratre eqn,	
tay forgets)	
Matijaserič's theorem	
If the poly has I van, then theroot & [-k cmax , + k	Cmax CI
k=te#ofterms	
(max = largest coefficient (absual)	
c1 = coefficient of highest degree	
Eo (polynomial) = root	
Try all numbers in range	
	general and an amount of an amount of the spirite should be shown that the should be constructed an amount of the
	Beautings and an annual property of the second annual and a second annual and a second annual ann
	ammen or a more are present a great of the standard deformation of secure concession, may spec-
	grumpp reprise the chief devil dissection with a service property and the plant of the chief devil dissection of the chief dev

21-3/	Ax = acceptance problems
	$ADFA = \xi w w encodes the pair (B, x) where$
	B is a DFA and x is EB.E*
	and B accepts x 3
	{ <(B,x)> BEDFA and x & E* and
	Baccepts x 3
New description of the first description of th	< 000 , 010 7 E ADEA
	L ", OI > & ADEA
	< 0*1*00 , 00011100 > 6 Apra
	C'', E 7 & ADFA
	new (interp) old (compiler)
	April (< B, w>) = April E Eo REG & Eo
	copy w to tape 1
Management of the Control of the Con	copy go to tape Z
	17 look at first chan on tape 1 -> if no chan,
	consult 8 of that and tape 2 look at F
	optate tape 2 and see It tape 24
Committee	Lyes Sho
	accept reject
	ANFA E EO ANFA = { < B, w > B = NFA, w+ E*, w=(B) }
	= compileB indo B'EDKA, USE ADFA
	AREX = Eo = compile to an NFA and use ANFA
Ministra de Maria (Ministra de Maria Ma	

21-4) Emphness problems = Ex	Andrew South State of
EXPA= {< B> BFOFA and L(B) = Ø}	
	Port of the state
< >600) > & EDFA do a graph search (linear	
if Frenchable Him no	
< >PB> > € EOFA O.W. Yes	West of the second seco
Equality problems = EQx	
FORM - CAN REAL CONTRACTOR AND ALCONDACTOR	
EQOFA = { CA, B> ACDFA, BCDFA, L(A) = L(B) }	
('020,) 0000 > & EQOFA	
< "OFO > € EQDFA	
	•
Management of the second of th	Hillian Account