Chlo

Assendly Larges

Symbolic coprese-total of stream of byte6 Socree fort file	Asserble-	Binary madia	Array of byles to be loaded into neary
X this was	. Gjer	UASA.	Assembly
Ly Main	clonents	,	
	Cluments Longerto Syntolo Labels Mauros	3 57 7 7 5 7 1	- addressed ons into seq of byte
Assembling D Load redefin Rend inpet Ly expand Grennate	ed 57% 25 15 line - 67 - 1 in 2000 2000 2000 5	into a 573 5	,) toble

- convenience macros that expand to one or nine real instructions
extend set of opening
USAM Expressions and Layout - values can be written as expressions - values can be written as expressions, they are not translated A assembler evaluates expressions, they are not translated
Symmay It Assembly Language Symmay It Assembly Language Sex. of bytes
Symmay It (1990) - low-lovel layinge 199 mbilio rep. of sex. of bytes - low-lovel layinge 199 mbilio rep. of instructs. Ly Abstracts: - bit lovel rep. of instructs.
Universality - Universality a set of Boolean gates is universal if the can implement any Unlear function using only gates Form that set
Tring Markines - FSh + infinite digital tape that could be read and unitter at each step - FSh + infinite digital tape that could be read and unitter at each step - Esh + infinite digital tape - Esh + infinite digital - Esh + infinite digital - Esh + infinite - Esh + infin

Church's Thesis - Every lisuete function computable by any realizable Machine is completable by some Thing Machine: f(X) limpetable for some 4, all X f(X)=T(X) Interpretation - Manipulate and representations of computing muchines, rather than the machines themselves Turing Universality - car en-late every other Twing Machine is Jung Valuesal) - to shin that your comprter Some Known UTA denostrate it con emulate * composition is dey -no algorithm can Compute Fax) Fi- artistrang &
in finite steps (4,5)=1 if Ty Ci3 halts; -eg: Halting function i 6, determines whether the Uth The Lalts wen

give a type antaining