Loudon (2ed) 2 History (1) HISTORY prehistoric. (ca 800) Mohammed Al-Khorezmi = algorithm. -> Kita aljabr wal muçabala" Ralgebra. -> trans: Algorithmi de numero Indorum. ca 1200 — Leonardo of Pisa (Filius Bonaccio). Artikations Kylians prehistoric (1800s) Charles Babbage - différence Engine Ada Byron, Countops of Love Lace. - 1st pgmr. 950s 1954-57 Fortran, John Backus, IBM - scientific #crunching - sfficiency to the max 1959- COBOL -US DOD Capt -> Adm Grace Hoppen => Banks, etc. lang, for VPS, ADD ONE TO COBOL. Basic - Dartmouth College, 63 timesharing

Algol 60

Bucku's 2History (2)

- algorithmic language 1960, Miklaus

- deriv: Algol 68, Pascal, Ada Wirth

Lisp - MIT, 1950s, John McConthy. - Sexporession: no parter pgm > pgm sexp ;

sexp > list ATOM;

list > '(' sexps ')'

sexpc > sexps sexp ; APL - math language 1960s - plethora IBM PL/I Algol68 - van Wijngaarden op - orthogonal - preved Ph.D. To read LRM SNOBOL/SPITBOL - String processing Simula 67-Nygaard Normay - ancestor of all 00 1970s - algolw, Pascal, C = front 1980s - Ada, Small talk C++ DOD. language. Estran, wooden, tin, Iron, Steel man.

5 cheme & ML. 2 History (3). metalanguage. - has syntax - type inference. prog - sea expr - (sea) expr - atom sea -> sea expr 200 -> - Java (Oak) - embedded devices hybrid 00 - prinitive vs classes. byterodes brief JIT. THREE SYS: 1. done quickly, lean, barely useable 2. designed by "Expert" committee flat slow complex 3. rebuilt by people burned by 2nd sys. look like C++. Siff & not compat. Haskell, hugs - gune functional.

Adam Monad Jary

Lary