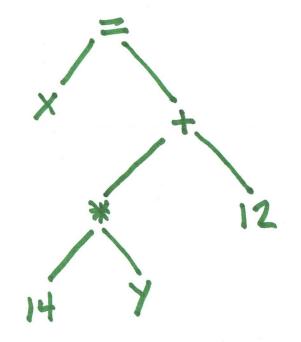
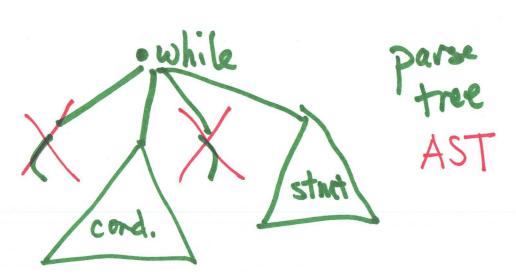
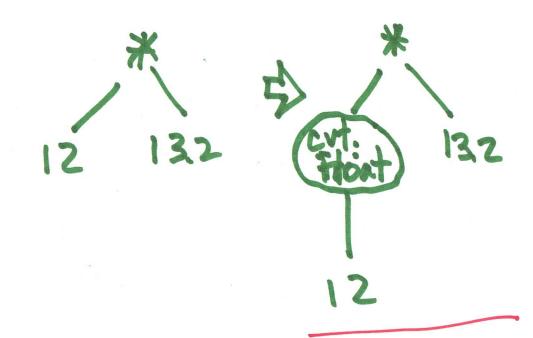
X = 14*4+12



while (cond) start



12 * 13.2



LOADI 12, ~1

CVTF rl

LOADI 13.2, ~2

AND ~1, ~2, ~3

MUL

switch (c) i
case 'a':
case 'a':
case 'a': X

3

regular expressions

alphabet $\Sigma = \text{set}$.

elements of an alphabet are characters or symbols $\Sigma = \{0,1\}$ $\Sigma' = \{1\}$ possible

string sequence of symbols (with reports) from an alphabet

010010 string on $\Sigma = \{0,1\}$ 11111 string on $\Sigma = \{1\}$ or $\Sigma = \{0,1\}$

 $\Sigma^* = \text{set of all strings on } \Sigma$

E (epsilon) = string of O characters EEZ* for any [language is a set of strings on E. LEE* on] = {0,1} L= \{01,001,0001,...} on [= {a, b, c} L = {a, b, ab} Lo= {0} L1= {13 for any a $\in \Sigma$ La = {a} LE = {E} $L_{\alpha}UL_{b} = \{a_{1}b\} = \{a\}U\{b\}$ $L_{\alpha}L_{b} = \{\alpha\beta\} | A \in L_{\alpha}, b \in L_{b}\}$ $L_{\alpha}M$ concatenation

$$L = \{a, ab\}$$

$$M = \{c, cd\}$$

$$LM = \{ac, acd, abc, abcd\}$$

$$L' = LLL \dots L$$

$$L' = L$$

$$L' = LL$$

Tx = Tontintingn....

$$L_{\{0,1\}}^{*} = \{\epsilon_{,0,1}, o_{0,01}, i_{0,11}, o_{00}, o_{01}, o_{10}, \dots \}$$
any string of 1's and zeroes.

regular expression () for grouping. languages. requep. L = {ab, ac, abd, acd, abdd, abdd,} while (tom) Etm, tom, toom, toom, -... 3 to*m

expressivity extensions order of precedence L*LK (2/E) 2? or 2? LM (2XX*) 2 T/M {lml, l, m, ...} (rlw)* enystring of listing. र्थ रेणडे asvariable (E+ & (Ba)*) ~ MB ~ BK B-separated list of x's. X,X,X X,X,X X,X,X,X