

IF-THEN / IF THEN ELSE AMBIGUITY

IF FEWER ELSE PARTS THAN THENs,
HOW TO GROUP IFs WITH THENs?

IF (A==B) IF (B==C) A=1; ELSE A=2;

WHEN IS ELSE PART EXECUTED?

• NEAREST MATCH RULE:

AN ELSE MATCHES WITH NEAREST
UNMATCHED IF

IF (A==B) IF (B==C) A=1; ELSE A=2;

WE MUST CHANGE GRAMMAR TO FORCE
CORRECT MATCH

OR

DIRECT PARSER TO MAKE "CORRECT" CHOICE

YOU CAN TEMPORARILY DISABLE IF-THEN OR
IF-THEN-ELSE PRODUCTION

- ROOM CHANGES IN MARCH

OFFICE HOURS

MARCH 9, 12, 16, 19, 23, 26 -

"THE BAR" IN ANDROMEDA

CLASS LECTURES

MARCH 17, 24: DELPHI (IN ANDROMEDA?)

- P1 GRADING

RETURN GRADE SHEETS

GRADE (MAX) = 100 + 20 EXTRA

GRADE RANGE: 0-120, MEDIAN = 110

PROGRAM TESTS AT

WWW.CS.WISC.EDU/

~ MENGHUI/CS536/P1.ZIP

AVOID JAVA 8

ROBERT OWEN CONTACT TA

RE JUNIT (NOT ON CS MACHINES)

CONTACT TA FOR CODE THAT

HE COULDN'T COMPILE

HOW TO BUILD CSX PARSER

- START w/ CSX-LITE
 - ADD A FEW SIMPLE PRODUCTIONS,
CHECK PARSER IS STILL HAPPY (NO GENERATION
ERRORS)

ADD JAVA CODE TO BUILD ASTS FOR
NEW PRODUCTIONS

ADD UNPARSING CODE TO DISPLAY AST
- AT SOME POINT CONVERT FROM CSX-LITE
STRUCTURE TO CSX STRUCTURE
(CLASSES & METHODS)