2. (70 points) Analyze the following grammar in yacc notation for ambiguity and possible conflicts.

```yacc
%token A B C D

start : x D | A B y D;
x: A B C;
y: C;
```

L={A B C D}. The grammar is ambiguous, 2 different parse trees for this sentence

The grammar has reduce / reduce conflict on D. Both of the rules “x: A B C.” and “b:C.” reduce if the next token is D