

MAU11602 Assignment 1, Due Wednesday 7 February 2024

1. The grammar
`expression : "x" | expression "+" expression`
appeared in lecture as an example of an ambiguous grammar. The string $x + x + x + x$, for example, has multiple parsings. How many does it have?
2. Write down two unambiguous grammars for the language of strings of an odd number of `x`'s.
3. Do the following two grammars generate the same language?
 - (a) `start :`
 - (b) `start : start`