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HW 5

Part A:

In the .hs file

Part B:

F -> x xTail | ( E )

xTail -> ( F Ftail) | -- for x(…)

Ftail -> , F Ftail | -- for expressions separated by comma

R -> R R | \( R \) | \[ Cs \] | \ | A

A -> B ( \| B)\*

B -> C ( \ C)\*

C -> c | R

Cs -> c Ctail

Ctail -> ,c Ctail |

Or, expanding more because Ttail can be written as (+ T) \* in E -> T Ttail, Ttail -> + T Ttail |

R -> R R | \( R \) | \[ Cs \] | \ | A

A -> B Btail

Btail -> \| B Btail |

B -> D Dtail

Dtail -> \ D Dtail |

D -> c | R

Cs -> c Ctail

Ctail -> , c Ctail |