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Assignment 2 Problem 2

$S \rightarrow E$

$E \rightarrow K$

$K \rightarrow I$

$K \rightarrow H$

$K \rightarrow X$

$K \rightarrow Z$

$K \rightarrow \text{CNOT}$

$K \rightarrow \text{TOF}$

$K \rightarrow (E)$

$K \rightarrow E * E$

$K \rightarrow E \otimes E$