

Problem 2

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2:15 PM

Author: Rui Meng (33095612)

Each of I, H, X, Y, Z, CNOT and TOF is a quantum circuit expression, and therefore terminals.

$S \rightarrow W$

$W \rightarrow I \mid H \mid X \mid Y \mid Z \mid \text{CNOT} \mid \text{TOF}$

$W \rightarrow (W)$

$W \rightarrow W * W$

$W \rightarrow W \otimes W$