

Assignment4

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- ♠Q22 (1) When the input state to the quantum circuit represented by (110) is $|11\rangle$, the results for a step-by-step calculation are as follows.

$$|\Psi_{\text{in}}\rangle = |11\rangle$$

$$|\Psi_{\text{mid}}\rangle = (\hat{H}|1\rangle)$$

♠Q23

♠Q24