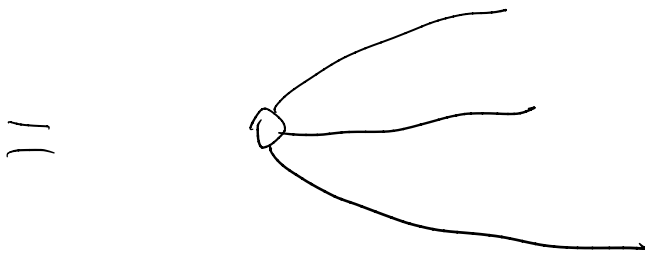
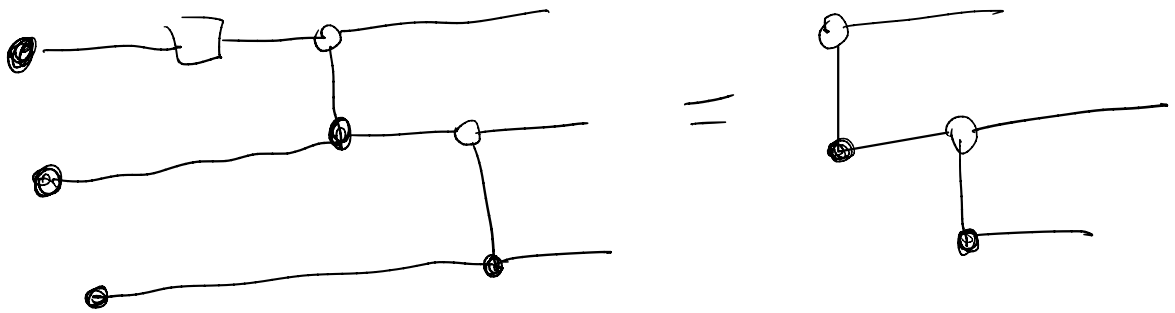
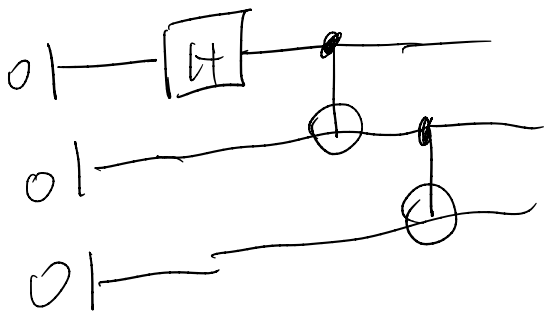


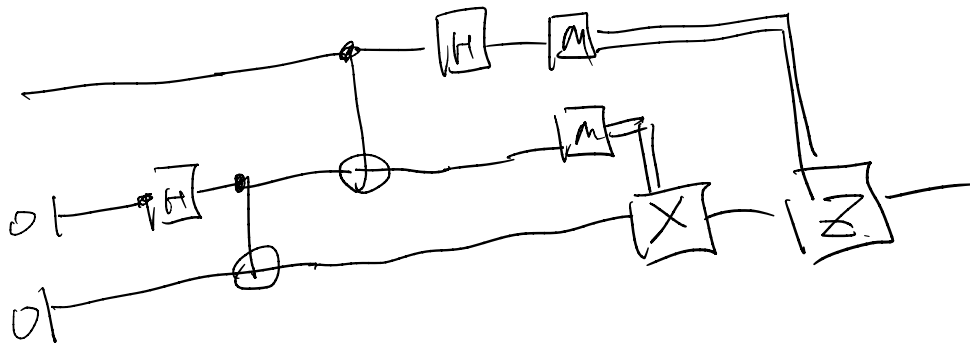
* bell measurement β_{00}^+



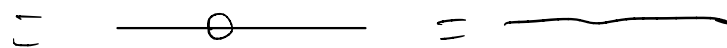
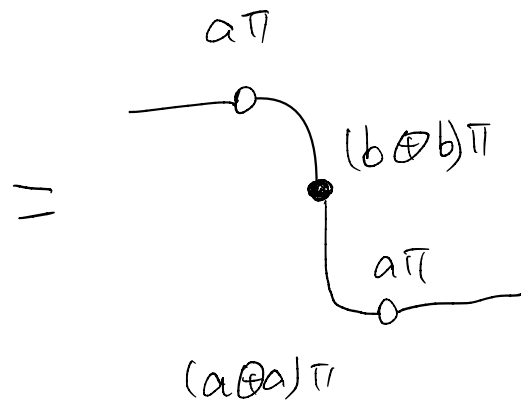
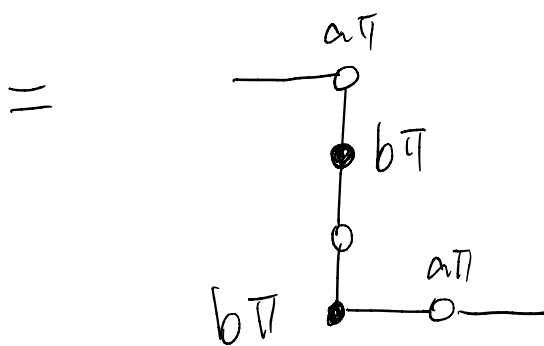
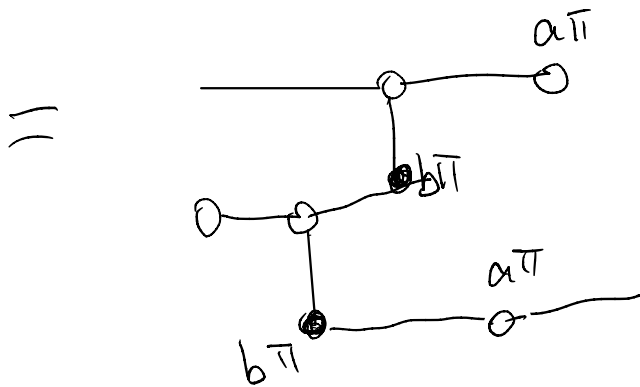
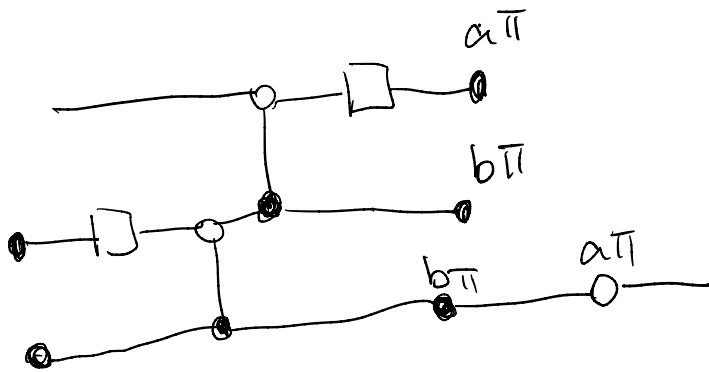
* GHZ state

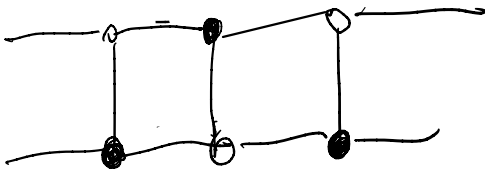


* Teleportation



$a, b \in \{0, 1\}$.





???

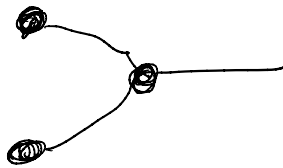
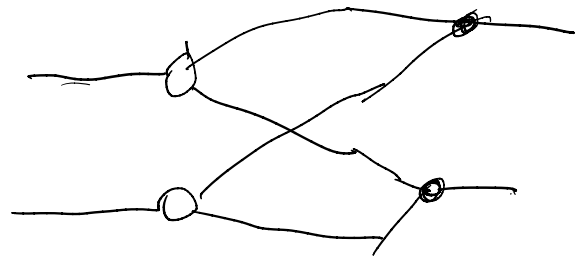
* bialgebra rule

copy

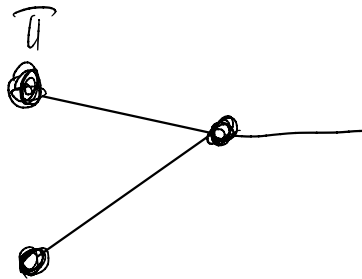


xor

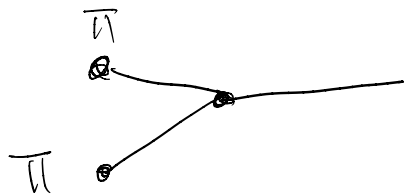
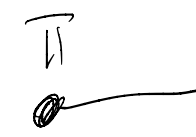
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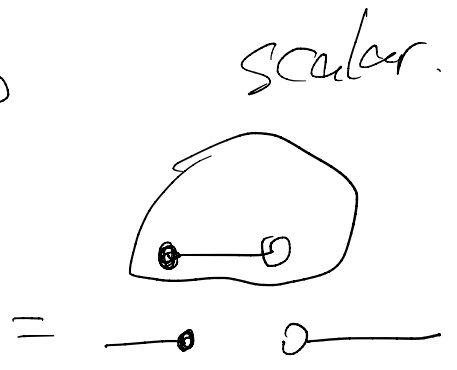
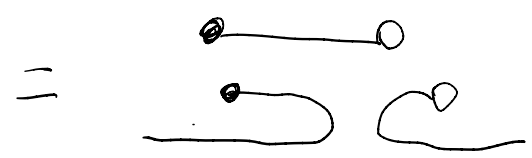
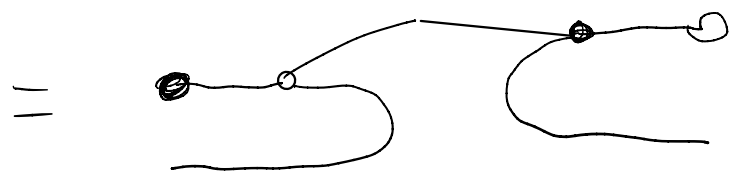
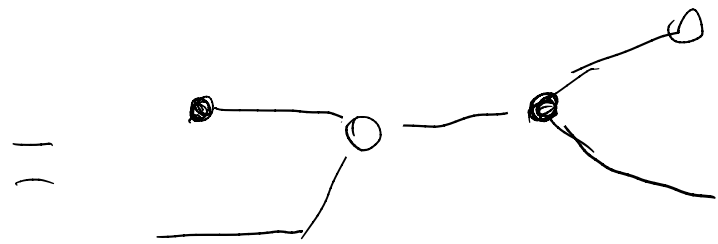
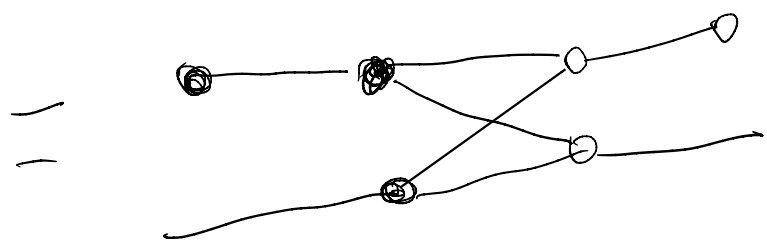
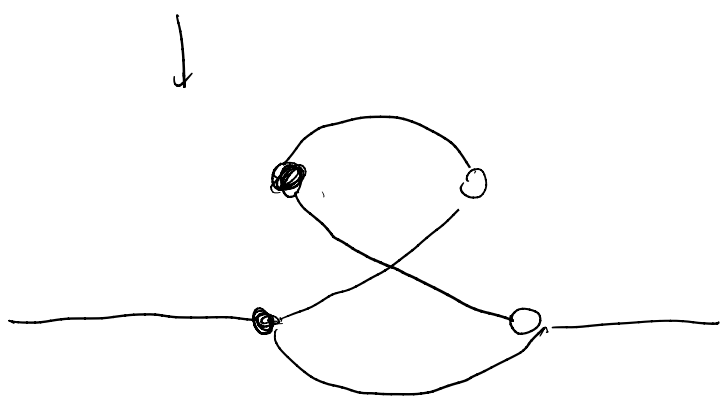
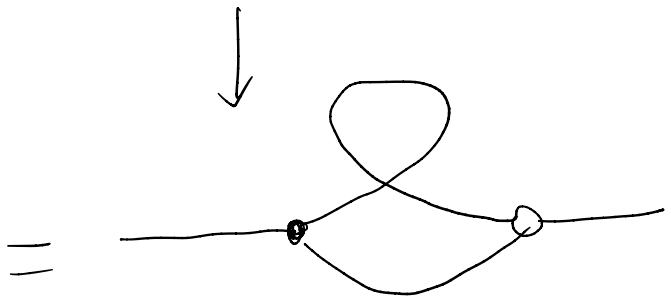
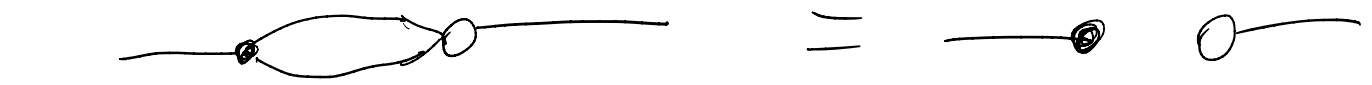


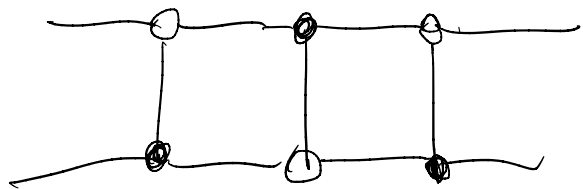
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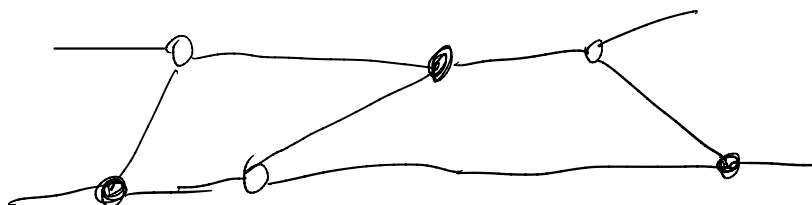
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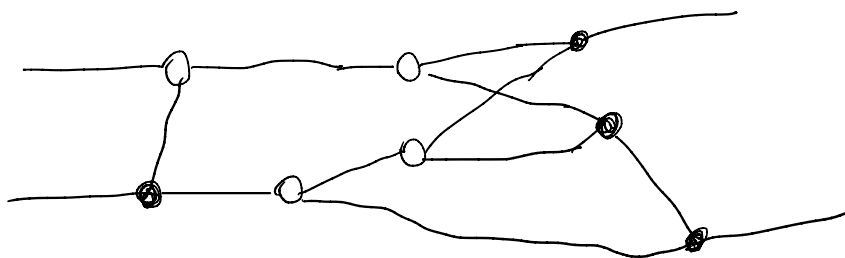




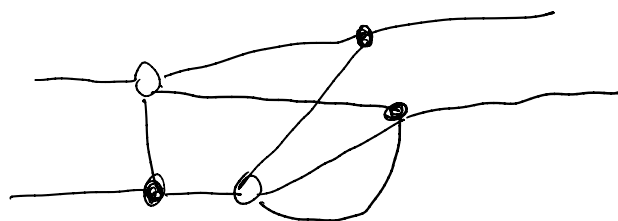
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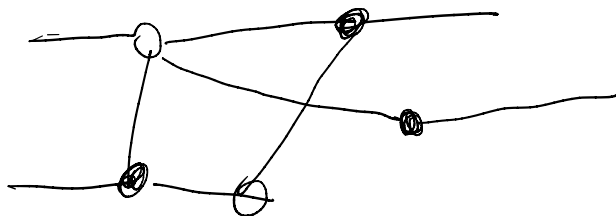
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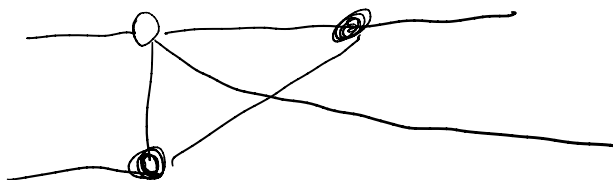
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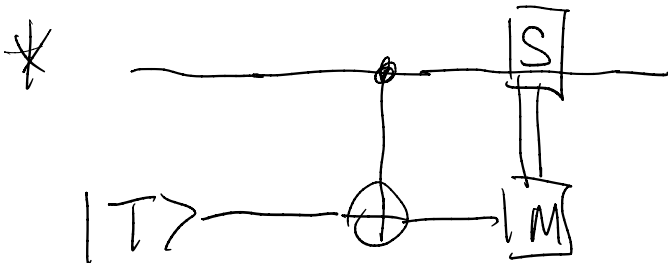
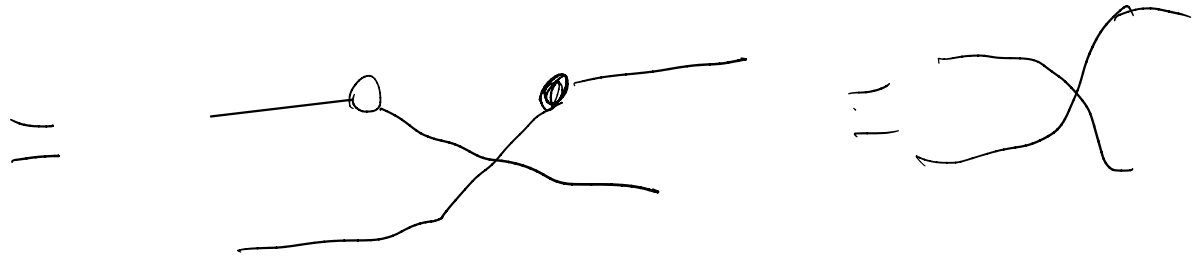
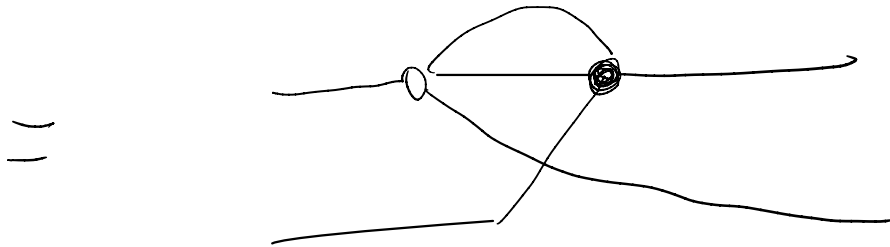


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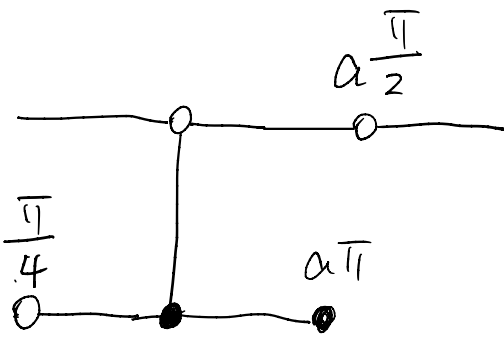
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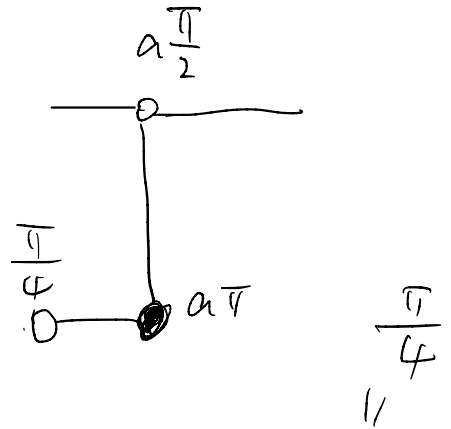


? what does this do?

= $|0\rangle + e^{i\frac{\pi}{4}} |1\rangle$

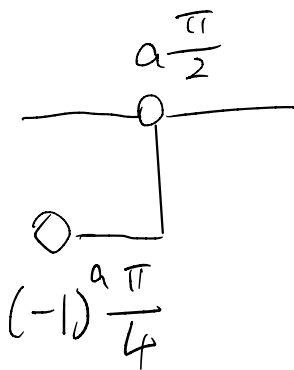


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π -copy

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$a\frac{\pi}{2} + (-1)^{a\frac{\pi}{4}}$

