```
Ambient Hamiltonian: [[1\ 0]\ [0\ -1]]
                              Control Hamiltonians: [array([[0, 1], [1, 0]]), array([[0.+0.j, 0.-1.j], [0.+1.j, 0.+0.j]]), array([[1, 0], [0, -1]])]
                            Detunings: [0.001, 0.001, 0.001, 0.001]
                              dt: 0.125663706144
                              Target Operator: [[0 1] [1 0]]
                            Time: 187.26427412
                              Control set: [array([0.7063317, -0.03813049, 0.10493348], [0.63019281, 0.10229831, -0.05692366], [0.6615392, -0.00417719, -0.04961876]] \\
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3.4
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