```
Ambient Hamiltonian: [array([1., 0., 0., 0.], [0., -1., 0., -0.], [0., 0., 1., 0.], [0., -0., 0., -1.]]), array([[1., 0., 0., 0.], [0., 1., 0., 0.], [0., 0., 0.], [0., 0., 0.]))
0., -1., -0., [0., 0., -0., -1.]]
                               Control Hamiltonians: [array([0., 1., 0., 0.], [1., 0., 0., 0.], [0., 0., 0., 1.], [0., 0., 1., 0.]]), array([[0.+0.j, 0.-1.j, 0.+0.j, 0.-0.j], [0.+1.j, 0.+0.j, 0.+0.j, 0.+0.j])
0.+0.j, 0.+0.j], [0.+0.j, 0.-0.j, 0.+0.j, 0.-1.j], [0.+0.j, 0.+0.j, 0.+1.j, 0.+0.j, 0.+1.j, 0.+0.j]]), \\ \operatorname{array}([[0., 0., 1., 0.], [0., 0., 0., 1.], [1., 0., 0., 0.], [0., 1., 0., 0.]]), \\ \operatorname{array}([[0., 0., 1., 0.], [0., 0., 0., 1.], [0., 0., 0.], [0., 0., 0.], [0., 0., 0.]])), \\ \operatorname{array}([[0., 0., 0., 0.], [0., 0., 0.], [0., 0., 0.], [0., 0.], [0., 0.], [0., 0.], [0., 0.]])), \\ \operatorname{array}([[0., 0., 0., 0.], [0., 0.], [0., 0.], [0., 0.], [0., 0.], [0., 0.], [0., 0.], [0., 0.], [0., 0.], [0., 0.], [0., 0.], [0., 0.], [0., 0.], [0., 0.], [0., 0.], [0., 0.], [0., 0.], [0., 0.], [0., 0.], [0., 0.], [0., 0.], [0., 0.], [0., 0.], [0., 0.], [0., 0.], [0., 0.], [0., 0.], [0., 0.], [0., 0.], [0., 0.], [0., 0.], [0., 0.], [0., 0.], [0., 0.], [0., 0.], [0., 0.], [0., 0.], [0., 0.], [0., 0.], [0., 0.], [0., 0.], [0., 0.], [0., 0.], [0., 0.], [0., 0.], [0., 0.], [0., 0.], [0., 0.], [0., 0.], [0., 0.], [0., 0.], [0., 0.], [0., 0.], [0., 0.], [0., 0.], [0., 0.], [0., 0.], [0., 0.], [0., 0.], [0., 0.], [0., 0.], [0., 0.], [0., 0.], [0., 0.], [0., 0.], [0., 0.], [0., 0.], [0., 0.], [0., 0.], [0., 0.], [0., 0.], [0., 0.], [0., 0.], [0., 0.], [0., 0.], [0., 0.], [0., 0.], [0., 0.], [0., 0.], [0., 0.], [0., 0.], [0., 0.], [0., 0.], [0., 0.], [0., 0.], [0., 0.], [0., 0.], [0., 0.], [0., 0.], [0., 0.], [0., 0.], [0., 0.], [0., 0.], [0., 0.], [0., 0.], [0., 0.], [0., 0.], [0., 0.], [0., 0.], [0., 0.], [0., 0.], [0., 0.], [0., 0.], [0., 0.], [0., 0.], [0., 0.], [0., 0.], [0., 0.], [0., 0.], [0., 0.], [0., 0.], [0., 0.], [0., 0.], [0., 0.], [0., 0.], [0., 0.], [0., 0.], [0., 0.], [0., 0.], [0., 0.], [0., 0.], [0., 0.], [0., 0.], [0., 0.], [0., 0.], [0., 0.], [0., 0.], [0., 0.], [0., 0.], [0., 0.], [0., 0.], [0., 0.], [0., 0.], [0., 0.], [0., 0.], [0., 0.], [0., 0.], [0., 0.], [0., 0.], [0., 0.], [0., 0.], [0., 0.], [0., 0.], [0., 0.], [0., 0.], [0., 0.], [0., 0.], [0., 0.], [0., 0.], [0., 0.], [0., 0.], [0., 0.], [0., 0.], [0., 0.], [0., 0.], [0., 0.], [0., 0.], [0., 0.], [0., 0.], [0., 0.], [0., 0.], [0., 0.], [0., 0.], [0., 0.], [
\operatorname{array}([[0.+0.j,\ 0.+0.j,\ 0.-1.j,\ 0.-0.j],\ [0.+0.j,\ 0.+0.j,\ 0.-0.j,\ 0.-1.j],\ [0.+1.j,\ 0.+0.j,\ 0.+0.j,\ 0.+0.j,\ 0.+0.j],\ [0.+0.j,\ 0.+1.j,\ 0.+0.j,\ 0.+0.j]),\ \operatorname{array}([[1.5,0.5],\ 0.+0.j,\ 0.+0.
[0, 0, 0], [0, -1, 0, 0], [0, 0, -1, 0], [0, 0, 0, 1]])
                             Detunings: [(0.001, 1), (0.001, 1), (0.001, 2), (0.001, 2), (0.001, 1)]
                               dt: 0.031415926535897934
                               Probs: \ \lceil 1.02378166e-19 \ 6.29214545e-02 \ 4.00392918e-02 \ 9.47176001e-02 \ 3.39887658e-02 \ 4.38176502e-02 \ 6.40906142e-02 \ 7.76444998e-02 \ 9.47176001e-02 \ 3.39887658e-02 \ 4.38176502e-02 \ 6.40906142e-02 \ 7.76444998e-02 \ 7.76444998
6.38208601 \\ e-02 - 8.67361738 \\ e-19 - 1.48313457 \\ e-19 \ 7.33071959 \\ e-02 \ 1.36296451 \\ e-01 \ 1.13700688 \\ e-01 \ 7.22015483 \\ e-03 \ -3.10415706 \\ e-19 \ 2.38255666 \\ e-10 \ 1.2370688 \\ e-10 \ 1
19 1.27864030e-01 5.85703519e-02 2.00039167e-03]
                                \text{Target Operator: } [[1.+0.\text{j }0.+0.\text{j }0.+0.\text{j }0.+0.\text{j }0.+0.\text{j }] \ [0.+0.\text{j }0.+1.\text{j }0.+0.\text{j }0.+0.\text{j }] \ [0.+0.\text{j }0.+0.\text{j }0.+1.\text{j }0.+0.\text{j }] \ [0.+0.\text{j }0.+0.\text{j }0.+0.
                                Time: 46260.51605248451
                               Control set: [array([-6.87599986e-02, -5.66373433e-02, 5.67711057e-03, -2.03889693e-02, 1.57221817e-01], [2.08819512e-02, 7.83450190e-02, -5.66373436e-02, -5.6637346e-02, -5.663746e-02, -5.663766e-02, -5.66766e-02, -5.66766e-02, -5.66766e-02, -5.66766e-02, -5.66766e-02, -5.66766e-02, -5.66766e-02, -5
02, 9.45118772 \\ e-02, -1.21211577 \\ e-04, 1.55803937 \\ e-02], [-2.98897902 \\ e-02, 3.56105095 \\ e-02, 6.51764175 \\ e-03, -6.82179617 \\ e-02, 1.42523548 \\ e-01]
   ..., [-1.93019979e-02, -7.31492870e-02, 2.82506461e-02, 5.40581962e-02, -3.49707606e-02], [4.16376450e-02, 9.49050908e-02, 8.71490546e-03, 9.49050908e-02, 9.49050908e-02, 9.49050908e-02]
0.030506 \,\,,\, -0.0966687 \,\,,\, 0.07750368,\, 0.01787541],\, [\,\, 0.0204601 \,\,,\, -0.09829804,\, -0.04647781,\, 0.06787466,\, 0.14758621],\, [\, -0.05830737,\, 0.06424952,\, -0.04647781,\, -0.04647781,\, -0.04647781,\, -0.04647781,\, -0.04647781,\, -0.04647781,\, -0.04647781,\, -0.04647781,\, -0.04647781,\, -0.04647781,\, -0.04647781,\, -0.04647781,\, -0.04647781,\, -0.04647781,\, -0.04647781,\, -0.04647781,\, -0.04647781,\, -0.04647781,\, -0.04647781,\, -0.04647781,\, -0.04647781,\, -0.04647781,\, -0.04647781,\, -0.04647781,\, -0.04647781,\, -0.04647781,\, -0.04647781,\, -0.04647781,\, -0.04647781,\, -0.04647781,\, -0.04647781,\, -0.04647781,\, -0.04647781,\, -0.04647781,\, -0.04647781,\, -0.04647781,\, -0.04647781,\, -0.04647781,\, -0.04647781,\, -0.04647781,\, -0.04647781,\, -0.04647781,\, -0.04647781,\, -0.04647781,\, -0.04647781,\, -0.04647781,\, -0.04647781,\, -0.04647781,\, -0.04647781,\, -0.04647781,\, -0.04647781,\, -0.04647781,\, -0.04647781,\, -0.04647781,\, -0.04647781,\, -0.04647781,\, -0.04647781,\, -0.04647781,\, -0.04647781,\, -0.04647781,\, -0.04647781,\, -0.04647781,\, -0.04647781,\, -0.04647781,\, -0.04647781,\, -0.04647781,\, -0.04647781,\, -0.04647781,\, -0.04647781,\, -0.04647781,\, -0.04647781,\, -0.04647781,\, -0.04647781,\, -0.04647781,\, -0.04647781,\, -0.04647781,\, -0.04647781,\, -0.04647781,\, -0.04647781,\, -0.04647781,\, -0.04647781,\, -0.04647781,\, -0.04647781,\, -0.04647781,\, -0.04647781,\, -0.04647781,\, -0.04647781,\, -0.04647781,\, -0.04647781,\, -0.04647781,\, -0.04647781,\, -0.04647781,\, -0.04647781,\, -0.04647781,\, -0.04647781,\, -0.04647781,\, -0.04647781,\, -0.04647781,\, -0.04647781,\, -0.04647781,\, -0.04647781,\, -0.04647781,\, -0.04647781,\, -0.04647781,\, -0.04647781,\, -0.04647781,\, -0.04647781,\, -0.04647781,\, -0.04647781,\, -0.04647781,\, -0.04647781,\, -0.04647781,\, -0.04647781,\, -0.04647781,\, -0.04647781,\, -0.04647781,\, -0.04647781,\, -0.04647781,\, -0.04647781,\, -0.04647781,\, -0.04647781,\, -0.04647781,\, -0.04647781,\, -0.04647781,\, -0.04647781,\, -0.04647781,\, -0.04647781,\, -0.04647781,\, -0.04647781,\, -0.04647781,\, -0.04647781,\, -0.04647781,\, -0.04647781,\, -0.04647781,\, -0.0464
0.03267668,\ 0.01261434,\ -0.03522959],\ \dots,\ [\ 0.02997388,\ -0.06783409,\ 0.02504156,\ 0.06979709,\ 0.00523043],\ [\ 0.08152794,\ 0.06105573,\ -0.06783409,\ 0.02504156,\ 0.06979709,\ 0.00523043],\ [\ 0.08152794,\ 0.06105573,\ -0.06783409,\ 0.08152794,\ 0.08152794,\ 0.08152794,\ 0.08152794,\ 0.08152794,\ 0.08152794,\ 0.08152794,\ 0.08152794,\ 0.08152794,\ 0.08152794,\ 0.08152794,\ 0.08152794,\ 0.08152794,\ 0.08152794,\ 0.08152794,\ 0.08152794,\ 0.08152794,\ 0.08152794,\ 0.08152794,\ 0.08152794,\ 0.08152794,\ 0.08152794,\ 0.08152794,\ 0.08152794,\ 0.08152794,\ 0.08152794,\ 0.08152794,\ 0.08152794,\ 0.08152794,\ 0.08152794,\ 0.08152794,\ 0.08152794,\ 0.08152794,\ 0.08152794,\ 0.08152794,\ 0.08152794,\ 0.08152794,\ 0.08152794,\ 0.08152794,\ 0.08152794,\ 0.08152794,\ 0.08152794,\ 0.08152794,\ 0.08152794,\ 0.08152794,\ 0.08152794,\ 0.08152794,\ 0.08152794,\ 0.08152794,\ 0.08152794,\ 0.08152794,\ 0.08152794,\ 0.08152794,\ 0.08152794,\ 0.08152794,\ 0.08152794,\ 0.08152794,\ 0.08152794,\ 0.08152794,\ 0.08152794,\ 0.08152794,\ 0.08152794,\ 0.08152794,\ 0.08152794,\ 0.08152794,\ 0.08152794,\ 0.08152794,\ 0.08152794,\ 0.08152794,\ 0.08152794,\ 0.08152794,\ 0.08152794,\ 0.08152794,\ 0.08152794,\ 0.08152794,\ 0.08152794,\ 0.08152794,\ 0.08152794,\ 0.08152794,\ 0.08152794,\ 0.08152794,\ 0.08152794,\ 0.08152794,\ 0.08152794,\ 0.08152794,\ 0.08152794,\ 0.08152794,\ 0.08152794,\ 0.08152794,\ 0.08152794,\ 0.08152794,\ 0.08152794,\ 0.08152794,\ 0.08152794,\ 0.08152794,\ 0.08152794,\ 0.08152794,\ 0.08152794,\ 0.08152794,\ 0.08152794,\ 0.08152794,\ 0.08152794,\ 0.08152794,\ 0.08152794,\ 0.08152794,\ 0.08152794,\ 0.08152794,\ 0.08152794,\ 0.08152794,\ 0.08152794,\ 0.08152794,\ 0.08152794,\ 0.08152794,\ 0.08152794,\ 0.08152794,\ 0.08152794,\ 0.08152794,\ 0.08152794,\ 0.08152794,\ 0.08152794,\ 0.08152794,\ 0.08152794,\ 0.08152794,\ 0.08152794,\ 0.08152794,\ 0.08152794,\ 0.08152794,\ 0.08152794,\ 0.08152794,\ 0.08152794,\ 0.08152794,\ 0.08152794,\ 0.08152794,\ 0.08152794,\ 0.08152794,\ 0.08152794,\ 0.081527940,\ 0.081527940,\ 0.08152
0.01151498, -0.01539294, 0.09428242], [0.06991644, -0.06723772, -0.00207259, 0.06078502, 0.08341947]]), \\ \operatorname{array}([0.06823567, -0.07933152, -0.07933152, -0.07933152, -0.07933152, -0.07933152, -0.07933152, -0.07933152, -0.07933152, -0.07933152, -0.07933152, -0.07933152, -0.07933152, -0.07933152, -0.07933152, -0.07933152, -0.07933152, -0.07933152, -0.07933152, -0.07933152, -0.07933152, -0.07933152, -0.07933152, -0.07933152, -0.07933152, -0.07933152, -0.07933152, -0.07933152, -0.07933152, -0.07933152, -0.07933152, -0.07933152, -0.07933152, -0.07933152, -0.07933152, -0.07933152, -0.07933152, -0.07933152, -0.07933152, -0.07933152, -0.07933152, -0.07933152, -0.07933152, -0.07933152, -0.07933152, -0.07933152, -0.07933152, -0.07933152, -0.07933152, -0.07933152, -0.07933152, -0.07933152, -0.07933152, -0.07933152, -0.07933152, -0.07933152, -0.07933152, -0.07933152, -0.07933152, -0.07933152, -0.07933152, -0.07933152, -0.07933152, -0.07933152, -0.07933152, -0.07933152, -0.07933152, -0.07933152, -0.07933152, -0.07933152, -0.07933152, -0.07933152, -0.07933152, -0.07933152, -0.07933152, -0.07933152, -0.07933152, -0.07933152, -0.07933152, -0.07933152, -0.07933152, -0.07933152, -0.07933152, -0.07933152, -0.07933152, -0.07933152, -0.07933152, -0.07933152, -0.07933152, -0.07933152, -0.07933152, -0.07933152, -0.07933152, -0.07933152, -0.07933152, -0.07933152, -0.07933152, -0.07933152, -0.0793152, -0.0793152, -0.0793152, -0.0793152, -0.0793152, -0.0793152, -0.0793152, -0.0793152, -0.0793152, -0.0793152, -0.0793152, -0.0793152, -0.0793152, -0.0793152, -0.0793152, -0.0793152, -0.0793152, -0.0793152, -0.0793152, -0.0793152, -0.0793152, -0.0793152, -0.0793152, -0.0793152, -0.0793152, -0.0793152, -0.0793152, -0.0793152, -0.0793152, -0.0793152, -0.0793152, -0.0793152, -0.0793152, -0.0793152, -0.0793152, -0.0793152, -0.0793152, -0.0793152, -0.0793152, -0.0793152, -0.0793152, -0.0793152, -0.0793152, -0.0793152, -0.0793152, -0.0793152, -0.0795152, -0.0795152, -0.0795152, -0.0795152, -0.0795152, -0.0795152, -0.0795152, -0.0795152, -0.0795
-0.08372303, -0.00906806, -0.03301694], [-0.00017314, 0.01341356, 0.0099935, -0.00896032, 0.14963473], [0.06675243, 0.08606341, 0.00047554, 0.00047554], [-0.00017314, 0.0017314, 0.00047554], [-0.00017314, 0.00017314, 0.00047554], [-0.00017314, 0.00017314, 0.00047554], [-0.00017314, 0.00017314, 0.00047554], [-0.00017314, 0.00017314, 0.00047554], [-0.00017314, 0.00017314, 0.00047554], [-0.00017314, 0.00017314, 0.00047554], [-0.00017314, 0.00017314, 0.00047554], [-0.00017314, 0.00047554], [-0.00017314, 0.00017314], [-0.00017314, 0.00017314], [-0.00017314], [-0.00017314], [-0.00017314], [-0.00017314], [-0.00017314], [-0.00017314], [-0.00017314], [-0.00017314], [-0.00017314], [-0.00017314], [-0.00017314], [-0.00017314], [-0.00017314], [-0.00017314], [-0.00017314], [-0.00017314], [-0.00017314], [-0.00017314], [-0.00017314], [-0.00017314], [-0.00017314], [-0.00017314], [-0.00017314], [-0.00017314], [-0.00017314], [-0.00017314], [-0.00017314], [-0.00017314], [-0.00017314], [-0.00017314], [-0.00017314], [-0.00017314], [-0.00017314], [-0.00017314], [-0.00017314], [-0.00017314], [-0.00017314], [-0.00017314], [-0.00017314], [-0.00017314], [-0.00017314], [-0.00017314], [-0.00017314], [-0.00017314], [-0.00017314], [-0.00017314], [-0.00017314], [-0.00017314], [-0.00017314], [-0.00017314], [-0.00017314], [-0.00017314], [-0.00017314], [-0.00017314], [-0.00017314], [-0.00017314], [-0.00017314], [-0.00017314], [-0.00017314], [-0.00017314], [-0.00017314], [-0.00017314], [-0.00017314], [-0.00017314], [-0.00017314], [-0.00017314], [-0.00017314], [-0.00017314], [-0.00017314], [-0.00017314], [-0.00017314], [-0.00017314], [-0.00017314], [-0.00017314], [-0.00017314], [-0.00017314], [-0.00017314], [-0.00017314], [-0.00017314], [-0.00017314], [-0.00017314], [-0.00017314], [-0.00017314], [-0.00017314], [-0.00017314], [-0.00017314], [-0.00017314], [-0.00017314], [-0.00017314], [-0.00017314], [-0.00017314], [-0.00017314], [-0.00017314], [-0.00017314], [-0.00017314], [-0.00017314], [-0.00017314], [-0.00017314], [-0.00017314], [-0.00017314],
0.0718455, 0.09461751, [0.07114274, -0.06766068, -0.08513839, -0.07134852, 0.14933502]), array([0.0237801, -0.05884148, -0.06657462, 0.14933502])
0.02651186, 0.09726675, [0.07550593, -0.00678585, -0.09915465, -0.08444691, -0.01681358], [-0.01748774, -0.08640441, 0.00404268, -0.0315363]
0.09260385], \ \dots, \ [ \ 0.02566662, \ -0.0873978 \ , \ -0.06577287, \ 0.0812325 \ , \ 0.02678659], \ [ -0.03944249, \ -0.09322862, \ 0.06706628, \ -0.06906232, \ -0.0873978, \ -0.0873978, \ -0.0873978, \ -0.0873978, \ -0.0873978, \ -0.0873978, \ -0.0873978, \ -0.0873978, \ -0.0873978, \ -0.0873978, \ -0.0873978, \ -0.0873978, \ -0.0873978, \ -0.0873978, \ -0.0873978, \ -0.0873978, \ -0.0873978, \ -0.0873978, \ -0.0873978, \ -0.0873978, \ -0.0873978, \ -0.0873978, \ -0.0873978, \ -0.0873978, \ -0.0873978, \ -0.0873978, \ -0.0873978, \ -0.0873978, \ -0.0873978, \ -0.0873978, \ -0.0873978, \ -0.0873978, \ -0.0873978, \ -0.0873978, \ -0.0873978, \ -0.0873978, \ -0.0873978, \ -0.0873978, \ -0.0873978, \ -0.0873978, \ -0.0873978, \ -0.0873978, \ -0.0873978, \ -0.0873978, \ -0.0873978, \ -0.0873978, \ -0.0873978, \ -0.0873978, \ -0.0873978, \ -0.0873978, \ -0.0873978, \ -0.0873978, \ -0.0873978, \ -0.0873978, \ -0.0873978, \ -0.0873978, \ -0.0873978, \ -0.0873978, \ -0.0873978, \ -0.0873978, \ -0.0873978, \ -0.0873978, \ -0.0873978, \ -0.0873978, \ -0.0873978, \ -0.0873978, \ -0.0873978, \ -0.0873978, \ -0.0873978, \ -0.0873978, \ -0.0873978, \ -0.0873978, \ -0.0873978, \ -0.0873978, \ -0.0873978, \ -0.0873978, \ -0.0873978, \ -0.0873978, \ -0.0873978, \ -0.0873978, \ -0.0873978, \ -0.0873978, \ -0.0873978, \ -0.0873978, \ -0.0873978, \ -0.0873978, \ -0.0873978, \ -0.0873978, \ -0.0873978, \ -0.0873978, \ -0.0873978, \ -0.0873978, \ -0.0873978, \ -0.0873978, \ -0.0873978, \ -0.0873978, \ -0.0873978, \ -0.0873978, \ -0.0873978, \ -0.0873978, \ -0.0873978, \ -0.0873978, \ -0.0873978, \ -0.0873978, \ -0.0873978, \ -0.0873978, \ -0.0873978, \ -0.0873978, \ -0.0873978, \ -0.0873978, \ -0.0873978, \ -0.0873978, \ -0.0873978, \ -0.0873978, \ -0.0873978, \ -0.0873978, \ -0.0873978, \ -0.0873978, \ -0.0873978, \ -0.0873978, \ -0.0873978, \ -0.0873978, \ -0.0873978, \ -0.0873978, \ -0.0873978, \ -0.0873978, \ -0.0873978, \ -0.0873978, \ -0.0873978, \ -0.0873978, \ -0.0873978, \ -0.0873978, \ -0.0873978, \ -0.0873978, \ -0.087
0.16452422], \ [-0.03452161, \ -0.07740651, \ -0.0051232 \ , \ 0.02267378, \ 0.11598499]]), \ \operatorname{array}([[\ 0.00390845, \ 0.01034332, \ 0.04762238, \ 0.06816224, \ -0.0740651, \ -0.0740651, \ -0.0740651, \ -0.0051232, \ 0.00267378, \ 0.011598499]]), \ \operatorname{array}([\ 0.00390845, \ 0.01034332, \ 0.04762238, \ 0.06816224, \ -0.0740651, \ -0.0740651, \ -0.0051232, \ 0.00267378, \ 0.011598499]]), \ \operatorname{array}([\ 0.00390845, \ 0.01034332, \ 0.04762238, \ 0.06816224, \ -0.0740651, \ -0.0740651, \ -0.0051232, \ 0.00267378, \ 0.011598499]]), \ \operatorname{array}([\ 0.00390845, \ 0.01034332, \ 0.04762238, \ 0.06816224, \ -0.0051232, \ 0.04762238, \ 0.06816224, \ -0.0051232, \ 0.04762238, \ 0.04762238, \ 0.04762238, \ 0.04762238, \ 0.04762238, \ 0.04762238, \ 0.04762238, \ 0.04762238, \ 0.04762238, \ 0.04762238, \ 0.04762238, \ 0.04762238, \ 0.04762238, \ 0.04762238, \ 0.04762238, \ 0.04762238, \ 0.04762238, \ 0.04762238, \ 0.04762238, \ 0.04762238, \ 0.04762238, \ 0.04762238, \ 0.04762238, \ 0.04762238, \ 0.04762238, \ 0.04762238, \ 0.04762238, \ 0.04762238, \ 0.04762238, \ 0.04762238, \ 0.04762238, \ 0.04762238, \ 0.04762238, \ 0.04762238, \ 0.04762238, \ 0.04762238, \ 0.04762238, \ 0.047623238, \ 0.047623238, \ 0.04762238, \ 0.047623238, \ 0.047623238, \ 0.047623238, \ 0.047623238, \ 0.047623238, \ 0.047623238, \ 0.047623238, \ 0.047623238, \ 0.047623238, \ 0.047623238, \ 0.047623238, \ 0.047623238, \ 0.047623238, \ 0.047623238, \ 0.047623238, \ 0.047623238, \ 0.047623238, \ 0.047623238, \ 0.047623238, \ 0.047623238, \ 0.047623238, \ 0.047623238, \ 0.047623238, \ 0.047623238, \ 0.047623238, \ 0.047623238, \ 0.047623238, \ 0.047623238, \ 0.047623238, \ 0.047623238, \ 0.047623238, \ 0.047623238, \ 0.047623238, \ 0.047623238, \ 0.047623238, \ 0.047623238, \ 0.047623238, \ 0.047623238, \ 0.047623238, \ 0.047623238, \ 0.047623238, \ 0.047623238, \ 0.047623238, \ 0.047623238, \ 0.047623238, \ 0.047623238, \ 0.047623238, \ 0.047623238, \ 0.047623238, \ 0.047623238, \ 0.047623238, \ 0.047623238, \ 0.047623238, \ 0.047623238, \ 0.047623238, 
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[-0.01922477,\ 0.04755071,\ -0.0823718\ ,\ 0.07541861,\ 0.10195828],\ [\ 0.00844795,\ 0.02171016,\ -0.03414347,\ 0.03679828,\ 0.13358414],\ ...,\ [-0.01922477,\ 0.04755071,\ -0.0823718,\ 0.07541861,\ 0.10195828],\ [\ 0.00844795,\ 0.02171016,\ -0.03414347,\ 0.03679828,\ 0.13358414],\ ...,\ [-0.01922477,\ 0.04755071,\ -0.0823718,\ 0.07541861,\ 0.10195828],\ [\ 0.00844795,\ 0.02171016,\ -0.03414347,\ 0.03679828,\ 0.13358414],\ ...,\ [-0.01922477,\ 0.04755071,\ -0.0823718,\ 0.07541861,\ 0.10195828],\ [\ 0.00844795,\ 0.02171016,\ -0.03414347,\ 0.03679828,\ 0.13358414],\ ...,\ [-0.01922477,\ 0.04755071,\ -0.0823718,\ 0.04755071,\ -0.0823718,\ 0.04755071,\ -0.0823718,\ 0.04755071,\ -0.0823718,\ 0.04755071,\ -0.0823718,\ 0.04755071,\ -0.0823718,\ 0.04755071,\ -0.0823718,\ 0.04755071,\ -0.0823718,\ 0.04755071,\ -0.0823718,\ 0.04755071,\ -0.0823718,\ 0.04755071,\ -0.0823718,\ 0.04755071,\ -0.0823718,\ 0.04755071,\ -0.0823718,\ 0.04755071,\ -0.0823718,\ 0.04755071,\ -0.0823718,\ 0.04755071,\ -0.0823718,\ 0.04755071,\ -0.0823718,\ 0.04755071,\ -0.0823718,\ 0.04755071,\ -0.0823718,\ 0.04755071,\ -0.0823718,\ 0.04755071,\ -0.0823718,\ 0.04755071,\ -0.0823718,\ 0.04755071,\ -0.0823718,\ 0.04755071,\ -0.0823718,\ 0.04755071,\ -0.0823718,\ 0.04755071,\ -0.0823718,\ 0.0475071,\ -0.0823718,\ 0.04755071,\ -0.0823718,\ 0.04755071,\ -0.0823718,\ 0.04755071,\ -0.0823718,\ 0.04755071,\ -0.0823718,\ 0.04755071,\ -0.0823718,\ 0.04755071,\ -0.0823718,\ 0.04755071,\ -0.0823718,\ 0.04755071,\ -0.0823718,\ 0.04755071,\ -0.0823718,\ 0.04755071,\ -0.0823718,\ 0.04755071,\ -0.0823718,\ 0.04755071,\ -0.0823718,\ 0.04755071,\ -0.0823718,\ 0.04755071,\ -0.0823718,\ 0.04755071,\ -0.0823718,\ 0.04755071,\ -0.0823718,\ 0.04755071,\ -0.0823718,\ 0.04755071,\ -0.0823718,\ 0.04755071,\ -0.0823718,\ 0.04755071,\ -0.0823718,\ -0.0823718,\ -0.0823718,\ -0.0823718,\ -0.0823718,\ -0.0823718,\ -0.0823718,\ -0.0823718,\ -0.0823718,\ -0.0823718,\ -0.0823718,\ -0.0823718,\ -0.0823718,\ -0.0823718,\ -0.0823718,\ -0.0823718,\ -0.0823718,\ -0.0823718,\ -0.082371
0.09200902,\, 0.0144693\,\,,\, 0.02459709,\, 0.00419383,\, 0.12532974],\, [\,\, 0.0308025\,\,,\, -0.06125335,\, -0.04493552,\, -0.08072577,\, 0.0633014\,\,],\, [\, -0.08116225,\, -0.08072577,\, -0.08072577,\, -0.08072577,\, -0.08072577,\, -0.08072577,\, -0.08072577,\, -0.08072577,\, -0.08072577,\, -0.08072577,\, -0.08072577,\, -0.08072577,\, -0.08072577,\, -0.08072577,\, -0.08072577,\, -0.08072577,\, -0.08072577,\, -0.08072577,\, -0.08072577,\, -0.08072577,\, -0.08072577,\, -0.08072577,\, -0.08072577,\, -0.08072577,\, -0.08072577,\, -0.08072577,\, -0.08072577,\, -0.08072577,\, -0.08072577,\, -0.08072577,\, -0.08072577,\, -0.08072577,\, -0.08072577,\, -0.08072577,\, -0.08072577,\, -0.08072577,\, -0.08072577,\, -0.08072577,\, -0.08072577,\, -0.08072577,\, -0.08072577,\, -0.08072577,\, -0.08072577,\, -0.08072577,\, -0.08072577,\, -0.08072577,\, -0.08072577,\, -0.08072577,\, -0.08072577,\, -0.08072577,\, -0.08072577,\, -0.08072577,\, -0.08072577,\, -0.08072577,\, -0.08072577,\, -0.08072577,\, -0.08072577,\, -0.08072577,\, -0.08072577,\, -0.08072577,\, -0.08072577,\, -0.08072577,\, -0.08072577,\, -0.08072577,\, -0.08072577,\, -0.08072577,\, -0.08072577,\, -0.08072577,\, -0.08072577,\, -0.08072577,\, -0.08072577,\, -0.08072577,\, -0.08072577,\, -0.08072577,\, -0.08072577,\, -0.08072577,\, -0.08072577,\, -0.08072577,\, -0.08072577,\, -0.08072577,\, -0.08072577,\, -0.08072577,\, -0.08072577,\, -0.08072577,\, -0.08072577,\, -0.08072577,\, -0.08072577,\, -0.08072577,\, -0.08072577,\, -0.08072577,\, -0.08072577,\, -0.08072577,\, -0.08072577,\, -0.08072577,\, -0.08072577,\, -0.08072577,\, -0.08072577,\, -0.08072577,\, -0.08072577,\, -0.08072577,\, -0.08072577,\, -0.08072577,\, -0.08072577,\, -0.08072577,\, -0.08072577,\, -0.08072577,\, -0.08072577,\, -0.08072577,\, -0.08072577,\, -0.08072577,\, -0.08072577,\, -0.08072577,\, -0.08072577,\, -0.08072577,\, -0.08072577,\, -0.08072577,\, -0.08072577,\, -0.08072577,\, -0.08072577,\, -0.08072577,\, -0.08072577,\, -0.08072577,\, -0.08072577,\, -0.08072577,\, -0.08072577,\, -0.08072577,\, -0.08072577,\, -0.08072577,\, -0.08072577,\, -0.08072577,\, -0.08072577,\, -0.08072577,\, -0.08072577,\, -0.08072577,\, -0.08072577,\, -0.080725
-0.03900755,\ 0.03792101,\ 0.01477161,\ 0.06418013]),\ \operatorname{array}([[-0.05424244,\ 0.08184494,\ -0.06480085,\ -0.07139039,\ 0.15624067],\ [-0.0361934])
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