

Eigenvalue	RDM Rank	Zero Columns
-7.242941	5	[3, 6, 7]
-6.274371	5	[3, 6, 7]
-5.170150	5	[3, 6, 7]
-3.951588	5	[3, 6, 7]
-2.665779	5	[3, 6, 7]
-1.341881	5	[3, 6, 7]
1.341881	5	[3, 6, 7]
2.665779	5	[3, 6, 7]
3.951588	5	[3, 6, 7]
5.170150	5	[3, 6, 7]
6.274371	5	[3, 6, 7]
7.242941	5	[3, 6, 7]

Table 1: Scar eigenvalues, RDM rank, and zero columns after tracing out 9 qubits.