HPG from [16, 4, 6] LDPC codes 🡪 [[400, 16, 6]]

1D random. Mean of 304.7005208

Chart, histogram

Description automatically generated

After greedy swapping, mean of 167.078

Chart, histogram

Description automatically generated

HPG from [20, 5, 8] LDPC codes 🡪 [[625, 25, 8]]

1D random. Mean 1D ‘ball’ 471.6766666666667

Chart, histogram

Description automatically generated

After ~20,000 attempts at greedy swapping. Mean of 264.235

Chart, histogram

Description automatically generated

HPG from [24, 6, 10] LDPC codes 🡪 [[900, 36, 10]]

1D random. Mean 1D ‘ball’ 668.615740

Chart, histogram

Description automatically generated

After greedy swapping, mean of 336.7847

Chart, histogram

Description automatically generated