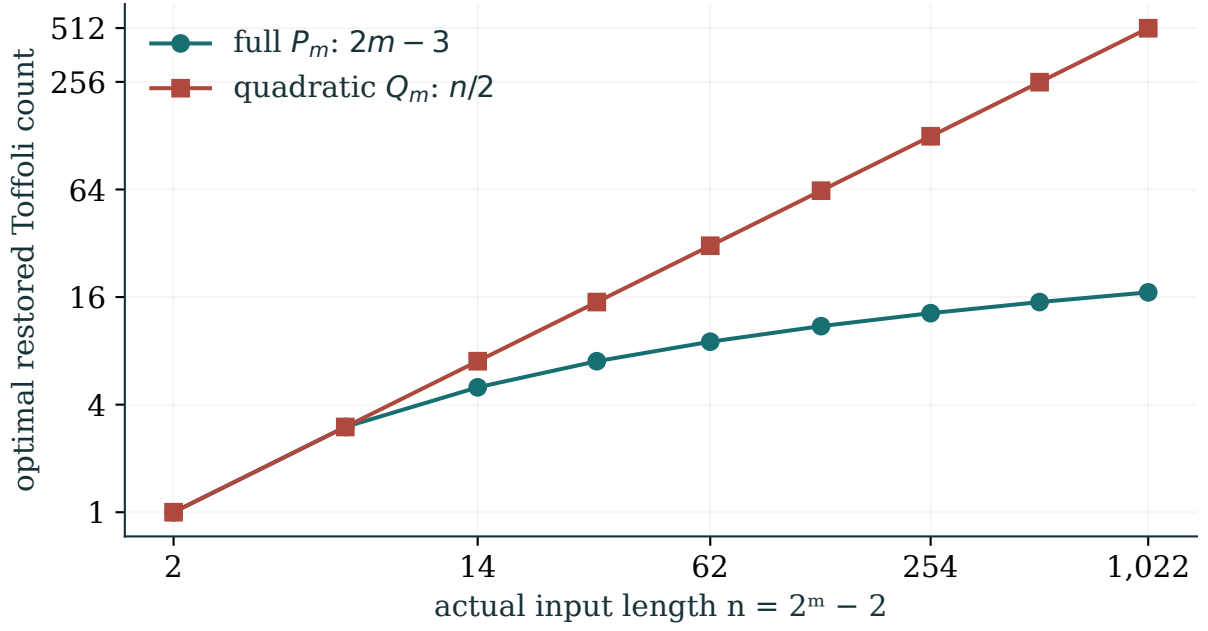

full P_m: $2m - 3$
quadratic Q_m: $n/2$
optimal restored Toffoli count
512
256
64
16
4
1
2
14
62
254
1,022
actual input length n = $2^m - 2$