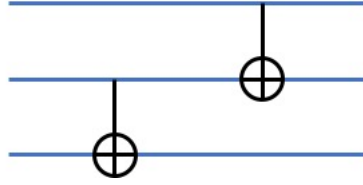


CNOT scenarios

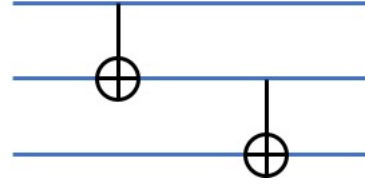
The CNOT gates are indexed as follows.

Index	Gate
12	CNOT_{12}
13	CNOT_{13}
14	CNOT_{21}
15	CNOT_{23}
16	CNOT_{31}
17	CNOT_{32}

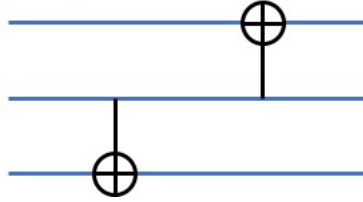
Case 1:
 $C = [15, 12]$



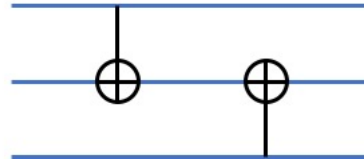
Case 2:
 $C = [15, 14]$



Case 3:
 $C = [12, 13]$



Case 4:
 $C = [12, 17]$



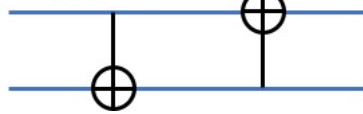
Case 5:
 $C = [12, 12]$



Case 6:
 $C = [14, 14]$



Case 7:
 $C = [12, 14]$



Case 8:
 $C = [14, 12]$



Figure 1: For each circuit, the list $C = [\dots]$ denotes the indices of the gates.