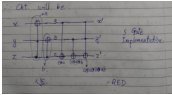
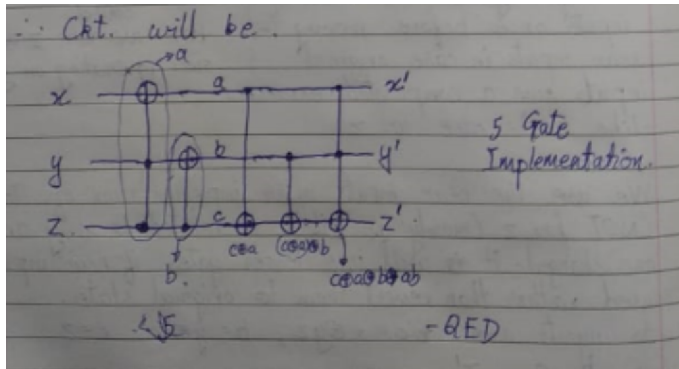


```
In[1]:= << Wolfram`QuantumFramework`
```

```
In[3]:= ckt =
```

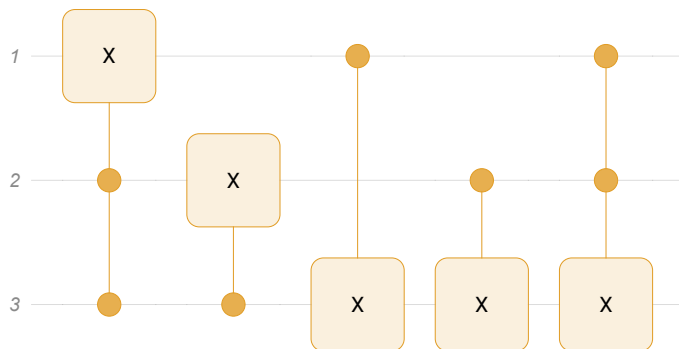


```
Out[3]=
```



```
In[21]:= qc = QuantumCircuitOperator[
  {"C", "X" → 1, {2, 3}},
  {"C", "X" → 2, {3}},
  {"C", "X" → 3, {1}},
  {"C", "X" → 3, {2}},
  {"C", "X" → 3, {1, 2}}
];
qc["Diagram"]
Normal[qc["Matrix"]] // MatrixForm
```

```
Out[22]=
```



```
Out[23]//MatrixForm=
```

$$\begin{pmatrix} 1 & 0 & 0 & 0 & 0 & 0 & 0 & 0 \\ 0 & 0 & 0 & 0 & 0 & 0 & 0 & 1 \\ 0 & 1 & 0 & 0 & 0 & 0 & 0 & 0 \\ 0 & 0 & 1 & 0 & 0 & 0 & 0 & 0 \\ 0 & 0 & 0 & 1 & 0 & 0 & 0 & 0 \\ 0 & 0 & 0 & 0 & 1 & 0 & 0 & 0 \\ 0 & 0 & 0 & 0 & 0 & 1 & 0 & 0 \\ 0 & 0 & 0 & 0 & 0 & 0 & 1 & 0 \end{pmatrix}$$