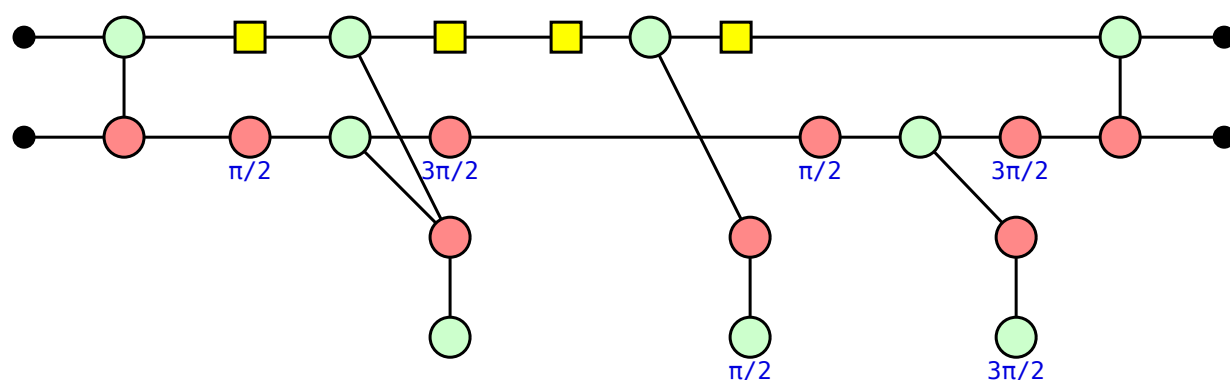


```
[44]: gadgets = [Gadget('YZ'), Gadget('XX', phase=1/2), Gadget('ZY', phase=3/2)]
circuit = GadgetCircuit(gadgets)
circuit.apply(CX(0, 1), draw=True)
```



```
• [6]: #####
%cd /Users/ayman/Documents/Dev/zxfermion
%load_ext autoreload
%autoreload 2

import json
import pyzx as zx
import numpy as np
from copy import copy, deepcopy
from itertools import combinations
```