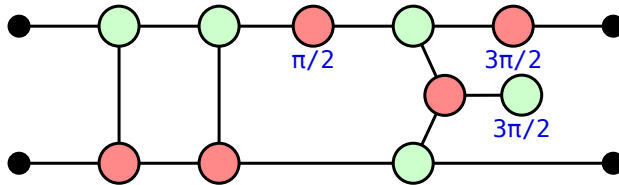


```
[53]: gadget = Gadget('YZ', phase=-1/2)
      circuit = GadgetCircuit([gadget])
      circuit.apply(CX(0, 1), start=0, end=0, draw=True)
```



```
[5]: #####
%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
```