

```
[47]: gadgets = [
    Gadget('YXXX', phase=1/4), Gadget('YXXX', phase=1/4),
    Gadget('XXYX', phase=-1/4), Gadget('YYXX', phase=-1/4),
    Gadget('YYXY', phase=1/4), Gadget('XXXY', phase=1/4),
    Gadget('XYYY', phase=-1/4), Gadget('YXYY', phase=-1/4)
]

circuit = GadgetCircuit(gadgets)
circuit.draw()

circuit.apply(CX(0, 3), draw=False)
circuit.apply(CX(0, 2), draw=False)
circuit.apply(CX(0, 1), draw=True)
```

