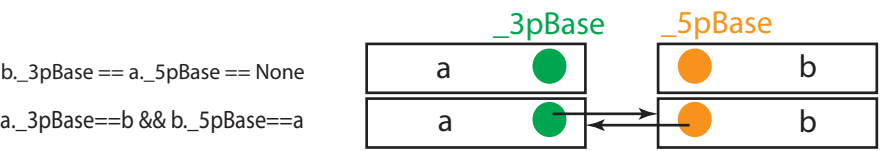


Model Conventions



Follow along in [cadnano2/test.py](#)

```
from model.enum import StrandType
vh = virtualHelix(numBases=8, idnum=0)
```



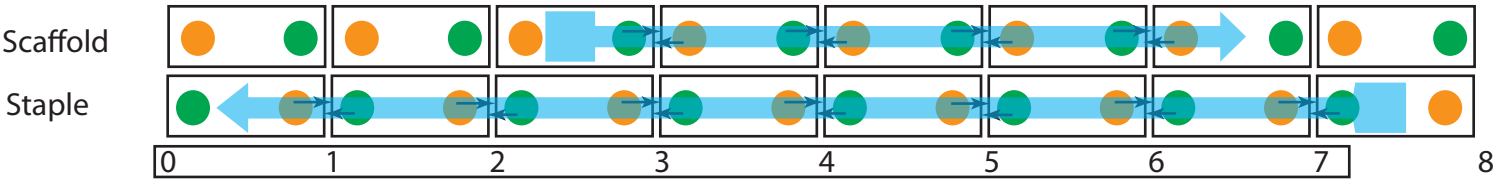
Bases are associated with the lesser of the two possible indices, and can be fetched (which you should never do unless self is a VirtualHelix) like
`vh.strand(StrandType.Staple)[0]`

Note that the singly linked list sometimes runs against the indexes in the `vh.strand(strandType)` array.

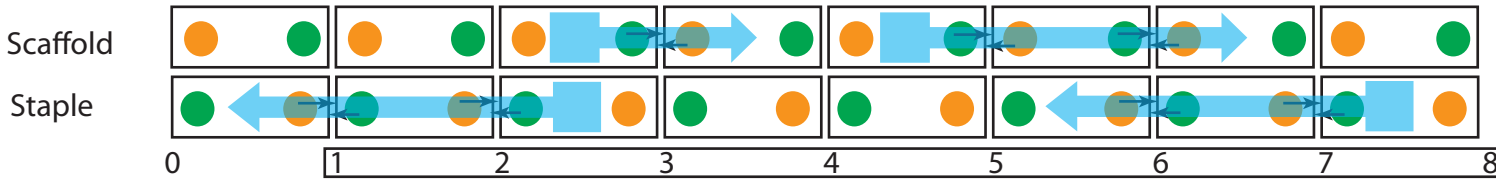
Modification

```
vh.connectStrand(StrandType.Scaffold, 2, 6)
vh.connectStrand(StrandType.Staple, 0, 7)
```

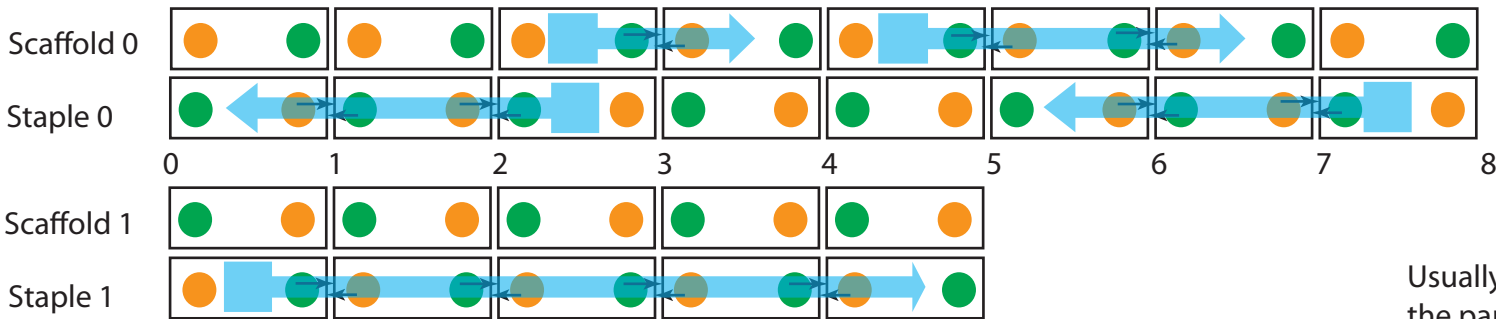
Inside caDNAno you should not have to do anything in addition to calling these methods to get changes to propagate to the graphical representations you can see and edit.



```
vh.clearStrand(StrandType.Scaffold, 4, 4)
vh.clearStrand(StrandType.Staple, 3, 5)
```



```
vh1 = VirtualHelix(numBases=5, idnum=1)
vh1.connectStrand(StrandType.Staple, 0, 4)
```



Usually `vh.undoStack()` gets the parent document's undo stack, but in `test.py` there is no document so each `vh` will have a different undo stack.

```
vh.connectBases(StrandType.Staple, 2, vh1, 3)
```

