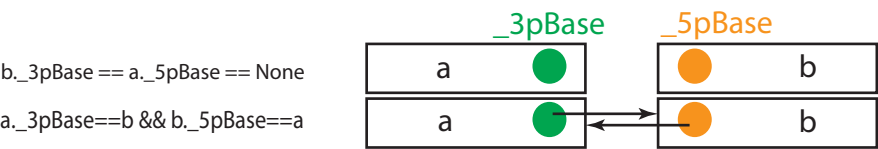


Model Conventions



Follow along in [cadnano2/test.py](#) or run caDNAno using `python main.py -i` to get a debug console in caDNAno proper.

`from model.enum import StrandType`

`vh = virtualHelix(numBases=8, idnum=0)`



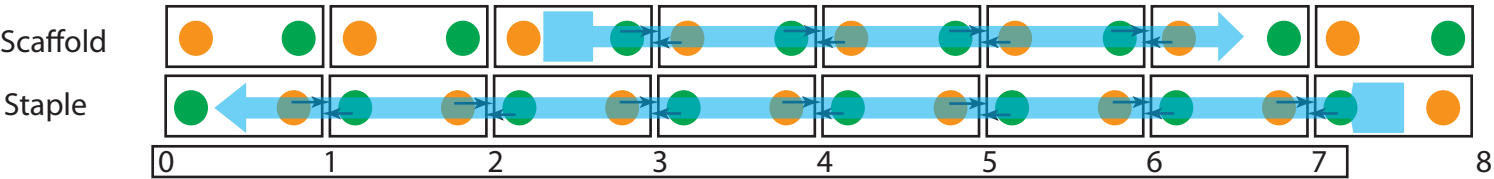
Bases are associated with the lesser of the two possible indices, and can be fetched (which you should never do unless self is a VirtualHelix) like `vh.strand(StrandType.Staple)[0]`

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

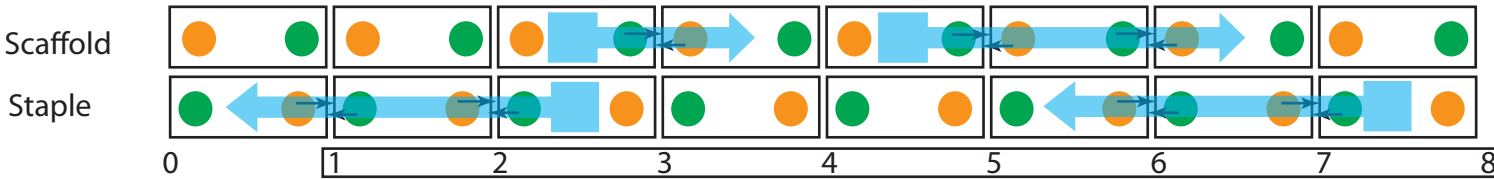
Modification

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

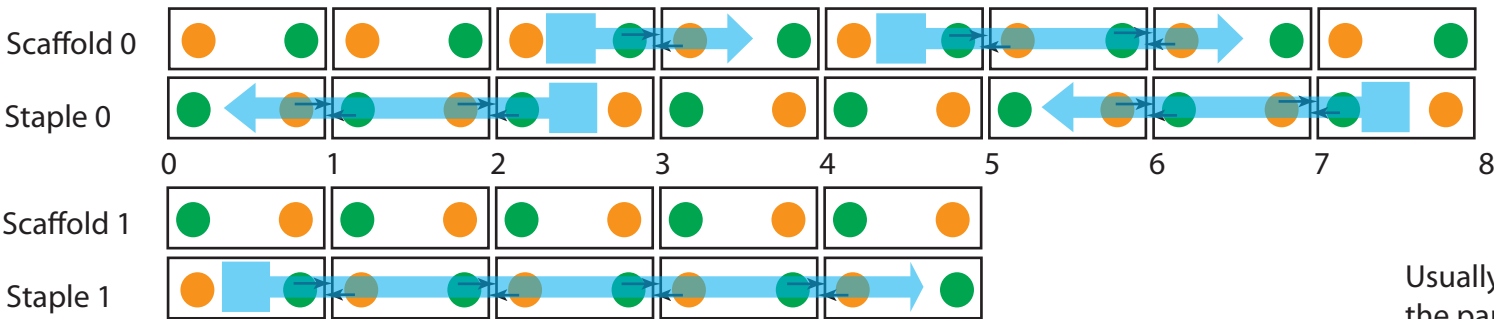
Inside caDNAno you should not have to do anything in addition to calling these methods to get changes to propagate to the graphical representations you can see and edit.



`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.connect3to5(StrandType.Staple, 2, vh1, 2)`

