

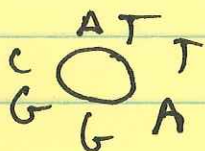
- Unique kmers:

Q1. {GCA, CAT, GGC, ~~GCA~~, CAT, ATT, ~~ATT~~, TTA, TTA, TAG, AGG, ~~GGC~~, ~~TAG~~, ~~AGG~~}

- Unique prefixes + suffixes

{GC, CA, ~~CA~~, AT, GG, ~~GC~~, ~~AT~~, ~~TT~~, ~~TT~~, TA, ~~TA~~, AG, ~~AG~~, ~~GG~~}

- Graph



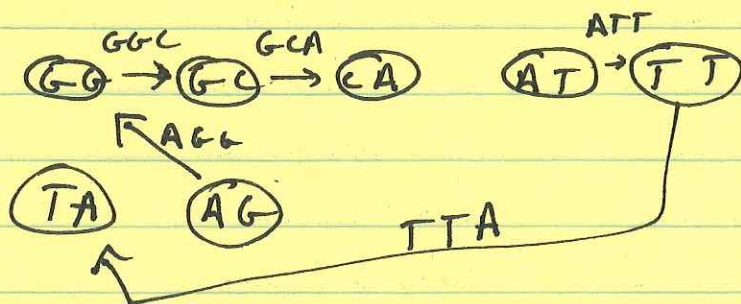
Q2 - Unique kmers

{GGC, GCA, ATT, TTA, AGG, ~~GGC~~}

- Unique prefixes + suffixes

{GG, GC, ~~GC~~, CA, AT, TT, ~~TT~~, TA, AG, ~~GC~~}

- Graph



- AGGCA, ATTA

Q3.

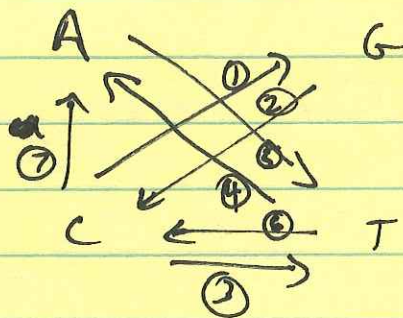
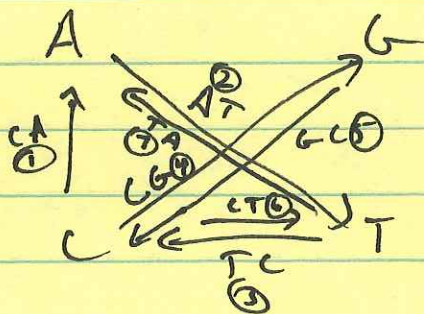
Unique Kmers

{ CT, TA, ~~TA~~, AT, ~~AT~~, TC, ~~TC~~, CA, ~~CA~~, ~~AT~~,
TC, ~~CG~~, ~~GC~~, GC, ~~GC~~, CT }

Unique Prefixes & Suffixes

{ A, G, C, T }

Graph



Sequence: multiple

CATCGCTA, CGCTATCA
(path illustrated) (alternate path)
above above