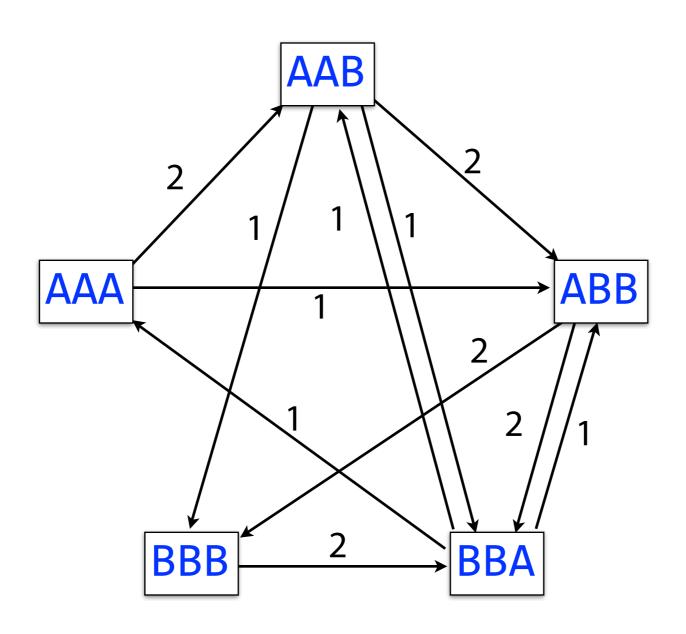
order 1: AAA AAB ABA ABB BAA BAB BBA BBB

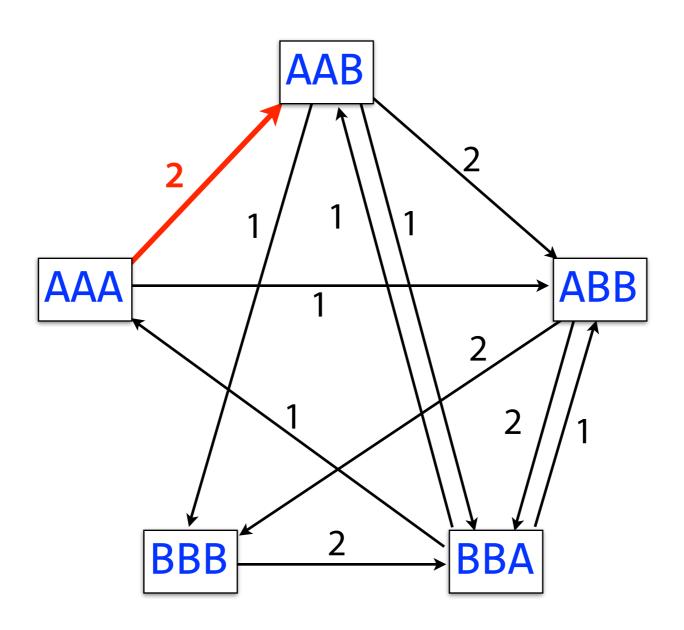
AAABABBAABABBBBB ← superstring 1

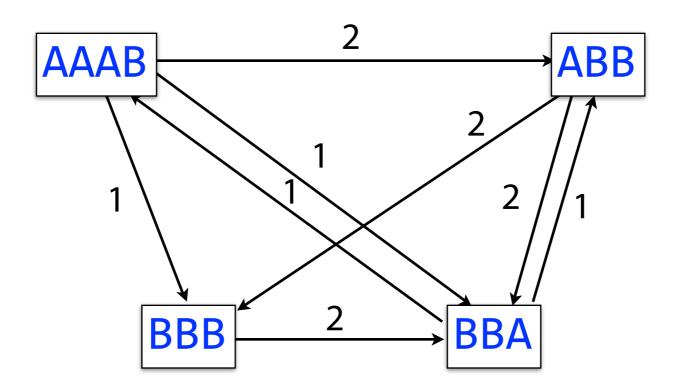
order 2: AAA AAB ABA BAB ABB BBB BAA BBA

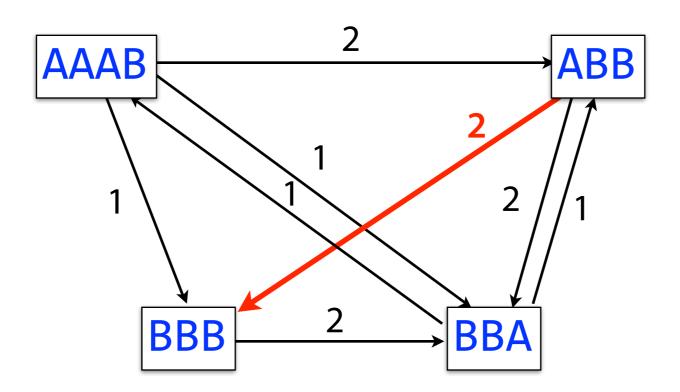
AAABABBBAABBA ← superstring 2

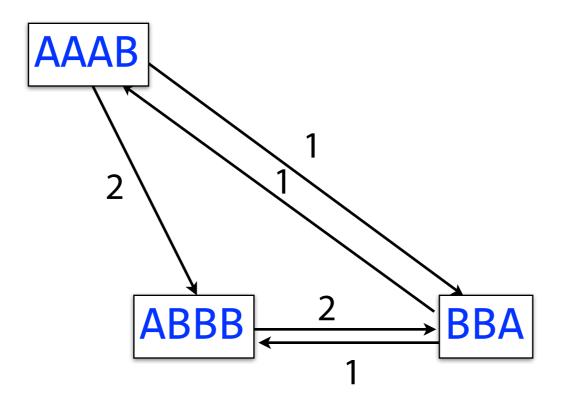
If S contains n strings, n! (n factorial) orderings possible

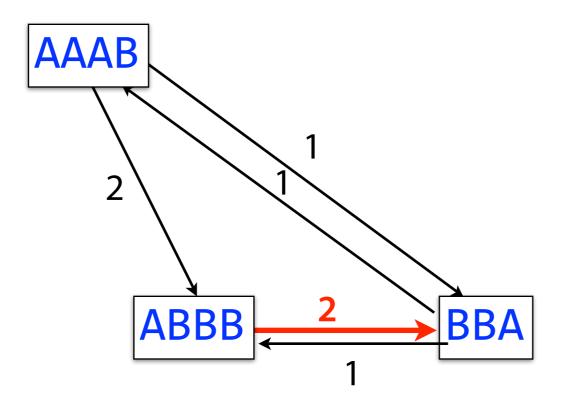


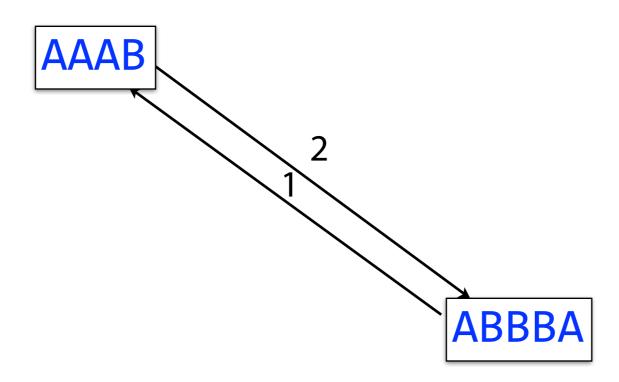


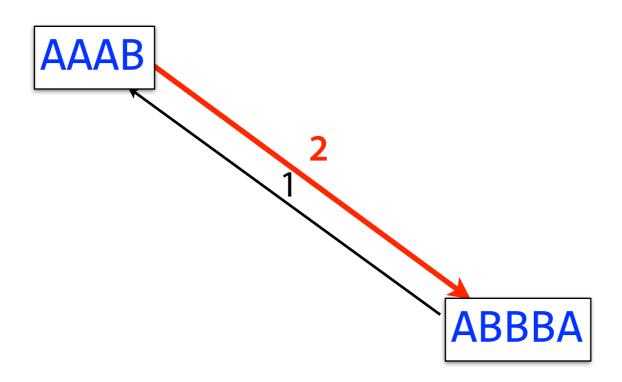












AAABBBA ← superstring, length=7

AAA AAB ABB BBA BBB

AAAB ABB BBA BBB

```
AAA AAB ABB BBA BBB

AAAB ABB BBA BBB

AAAB ABBA BBB
```

```
AAA AAB ABB BBA BBB

AAAB ABB BBA BBB

AAAB ABBA BBB

AAABBA BBB
```

```
AAA AAB ABB BBA BBB

AAAB ABB BBA BBB

AAAB ABBA BBB

AAABBA BBB

AAABBABBB 

superstring, length=9
```

```
AAA AAB ABB BBA BBB

AAAB ABB BBA BBB

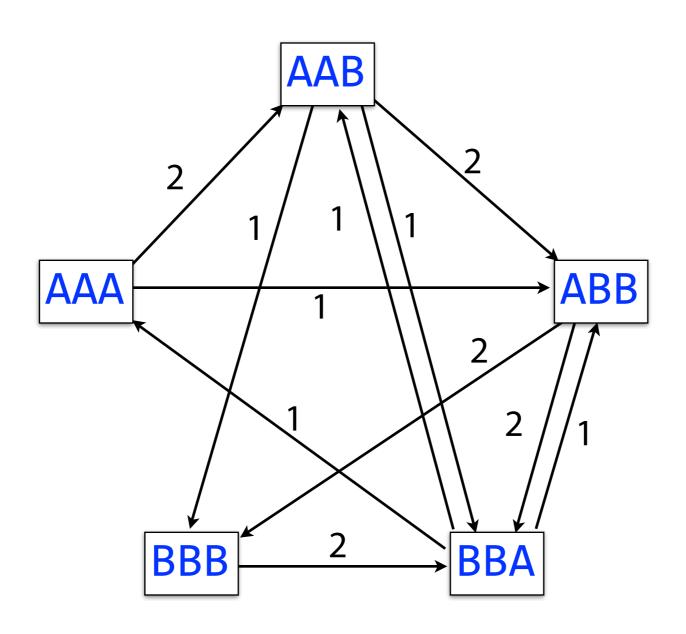
AAABBA BBB

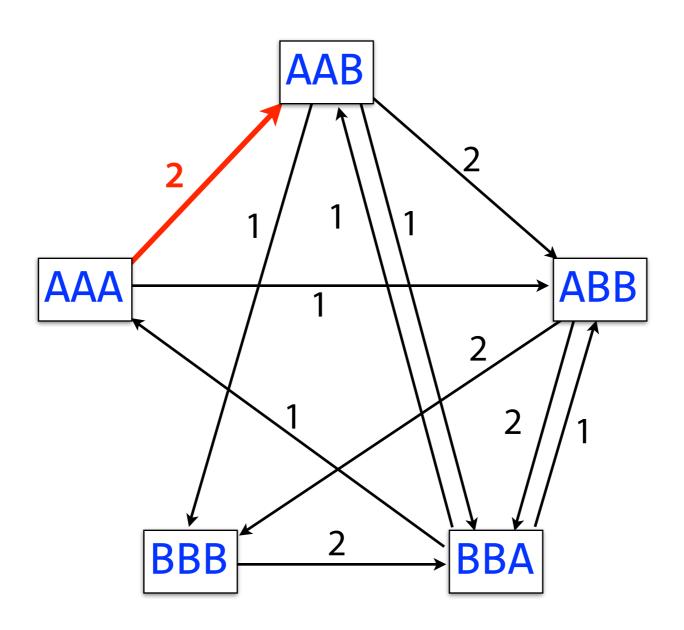
AAABBA BBB

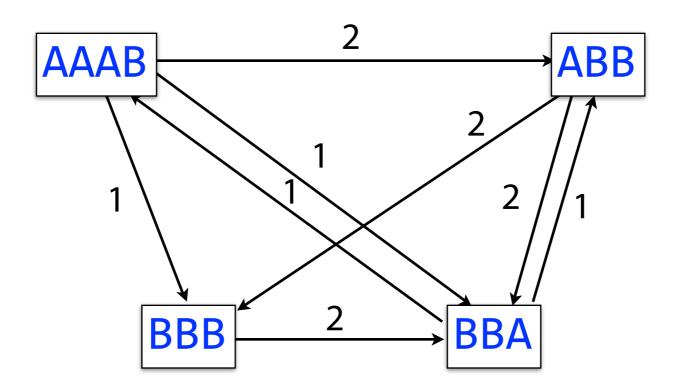
AAABBABBB 

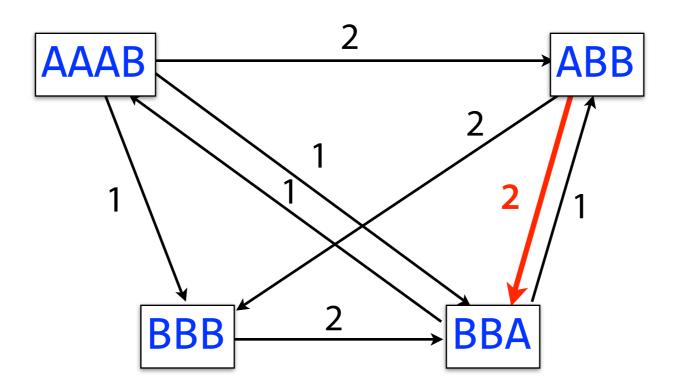
superstring, length=9
```

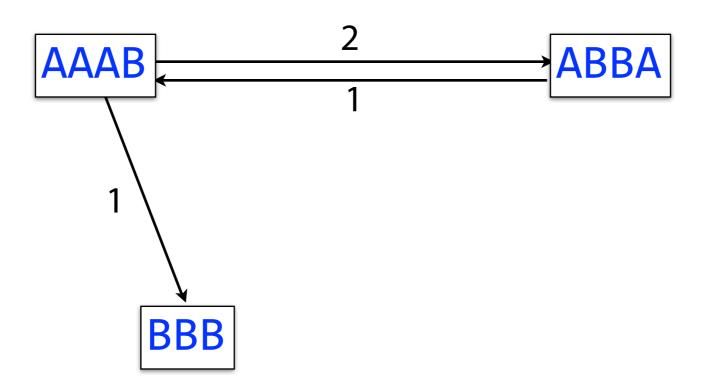
AAABBBA ← superstring, length=7

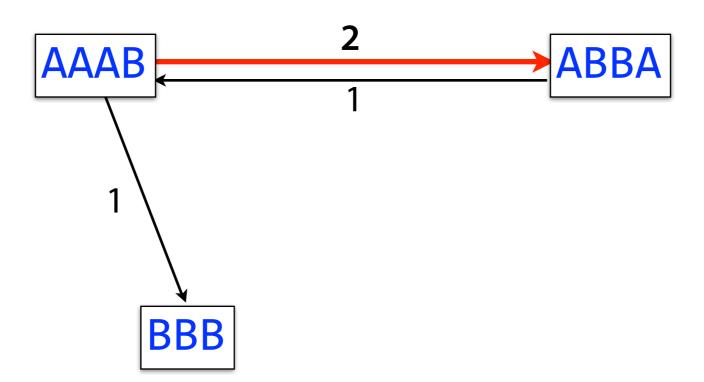












AAABBA

BBB

AAABBABBB ← superstring, length=9