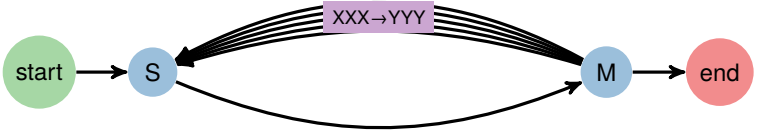
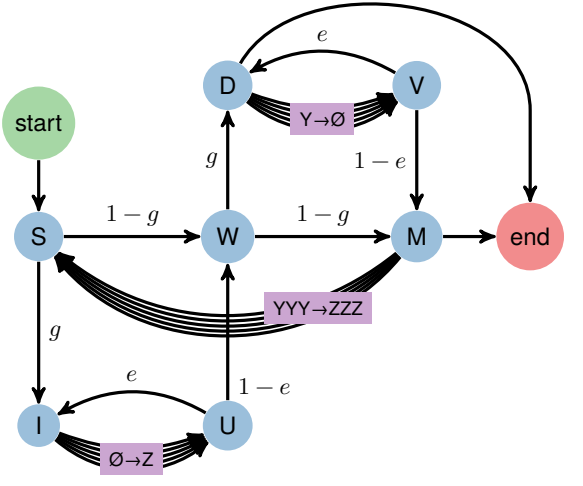
a) Substitution



Sequences

X : input nucleotides
Y : intermediate nucleotides
Z : output nucleotides
Ø : nothing/empty sequence

Parameters

g : gap open weight
e : gap extension weight

b) Insertion-Deletion