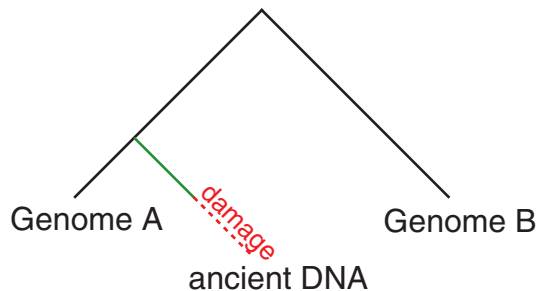
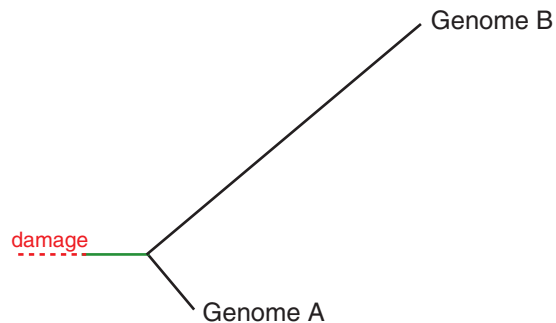


(a)**(b)****(c)**

Genome B	..C.. G ..C..	1
Genome A	..C.. T .. A ..	1
ancient DNA	.. T .. T ..C..	

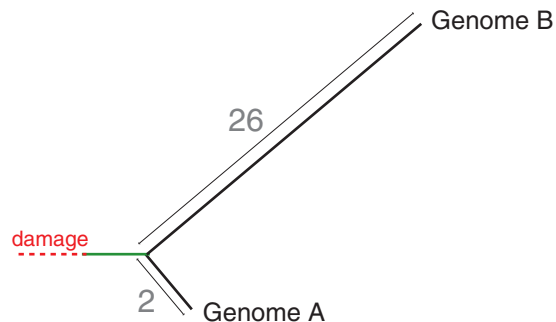
Genome B	... C ... A ...	0
Genome A	... T ... G ...	1
ancient DNA	... G ... A ...	

⋮

⋮

⋮

 Σ Genome B = 26

 Σ Genome A = 2
(d)

Total distance between Genome A & B = 26+2

Relative distance of ancient DNA to Genome A = 2/(26+2)