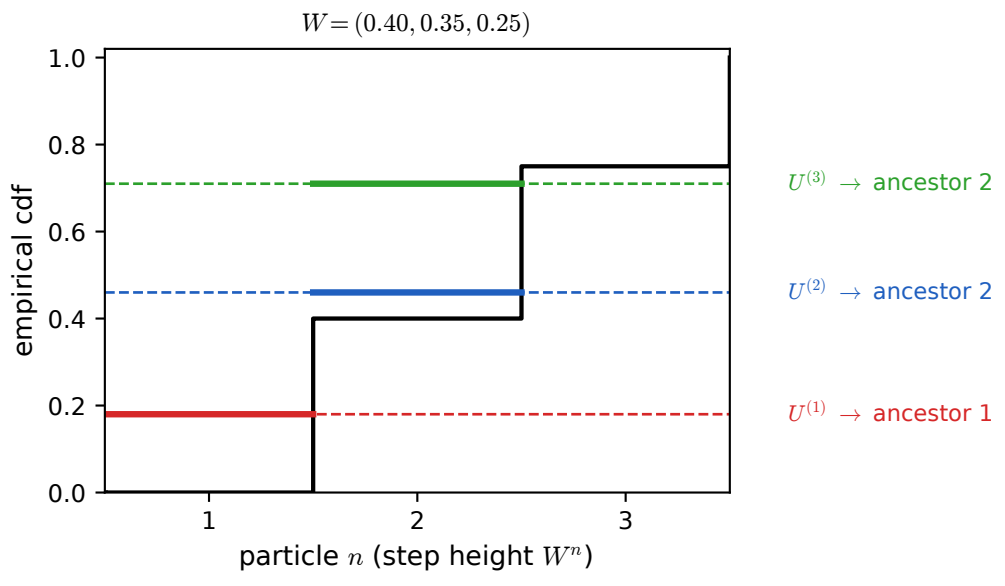

$W = (0.40, 0.35, 0.25)$
1.0
0.8
0.6
0.4
0.2
0.0
empirical cdf
1
2
3
particle n (step height W^n)
$U^{(3)} \rightarrow$ ancestor 2
$U^{(2)} \rightarrow$ ancestor 2
$U^{(1)} \rightarrow$ ancestor 1