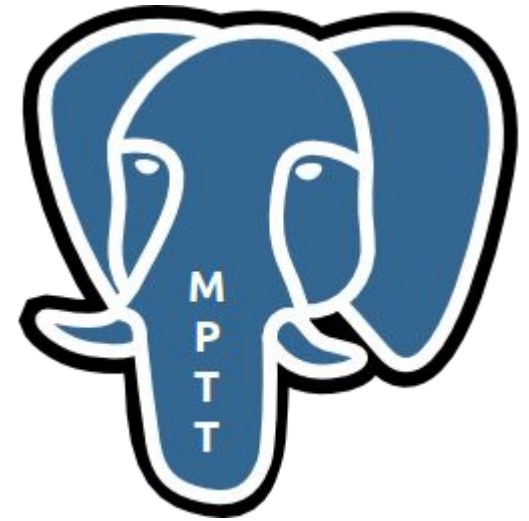


MODELING TREES

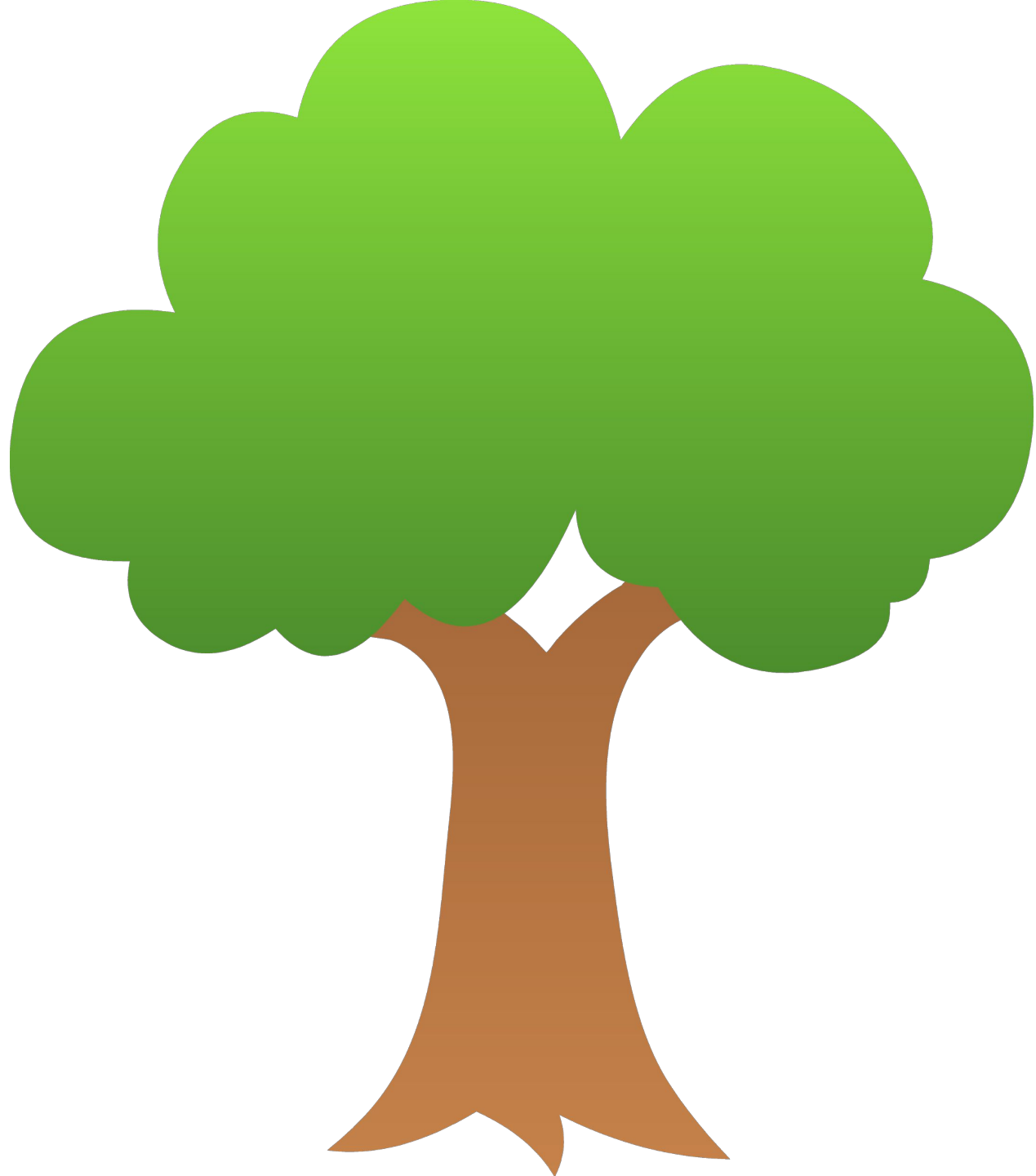


SQL-BASED MPTT

VS.

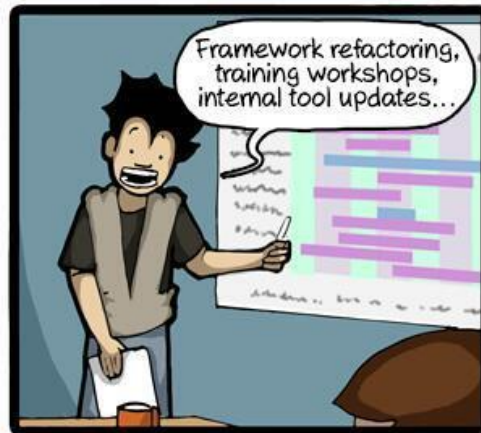
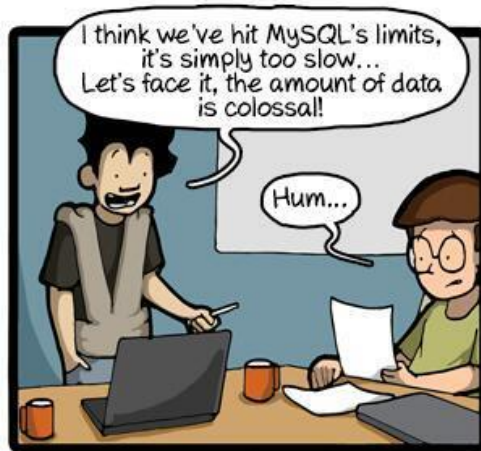
GRAPHS



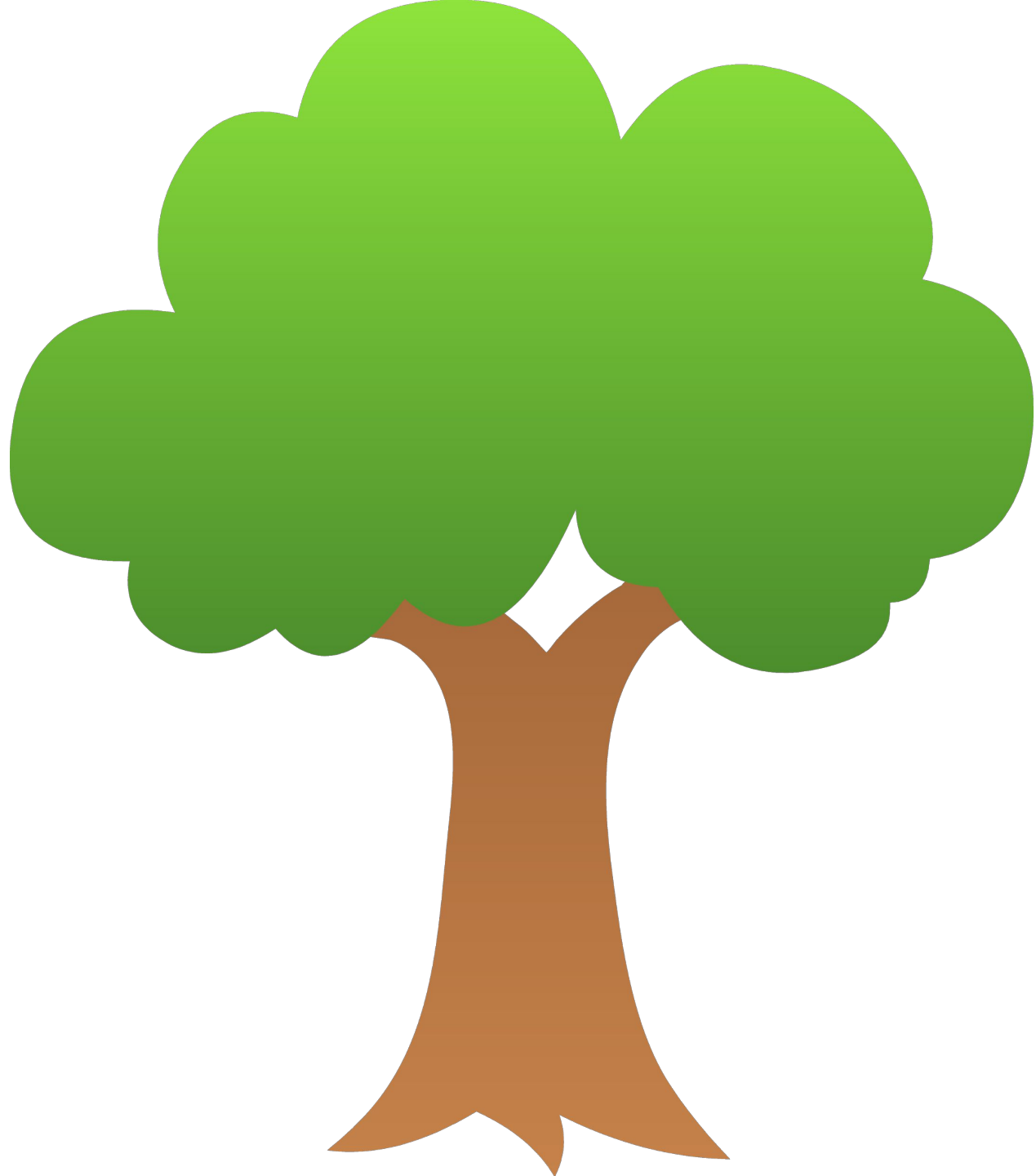


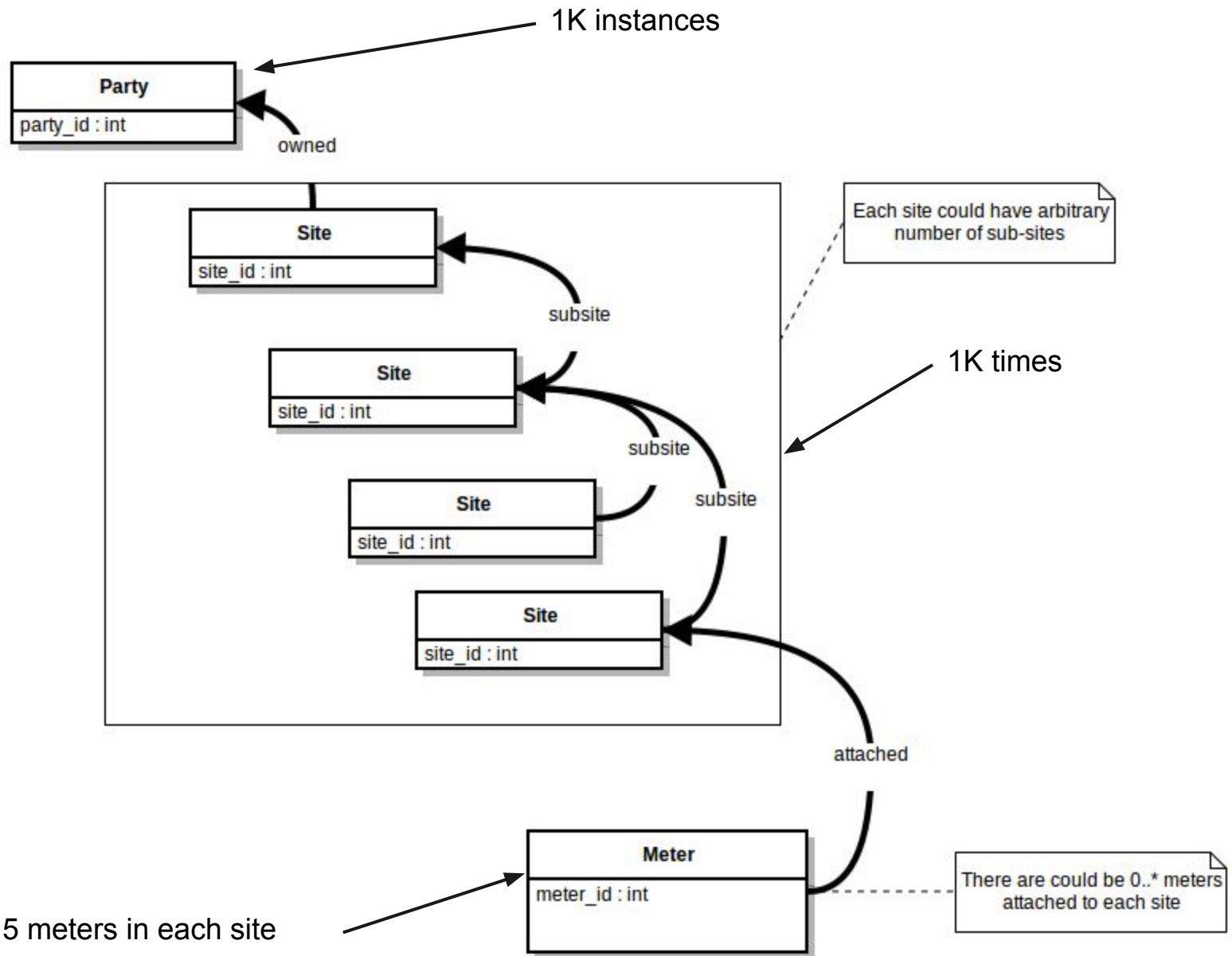
SQL DATABASES
cannot compete with
NOSQL ones
in terms of
Performance

sorry, JUST JOKING around



BUT WHAT ABOUT...

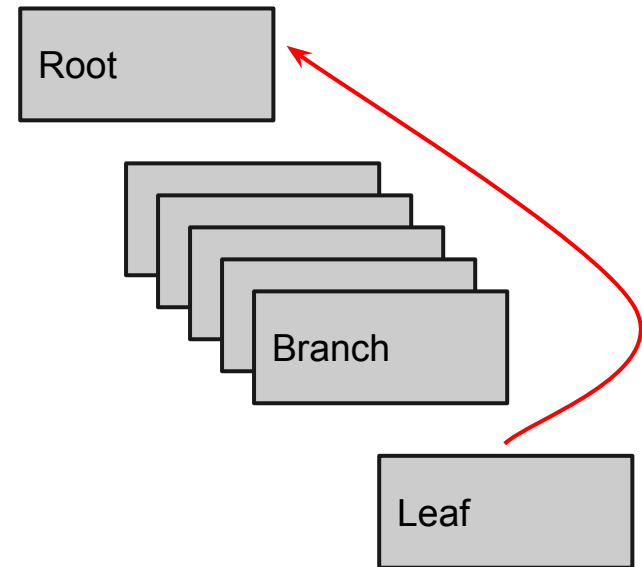




find root

MPTT	GRAPH
8809 us	560 us

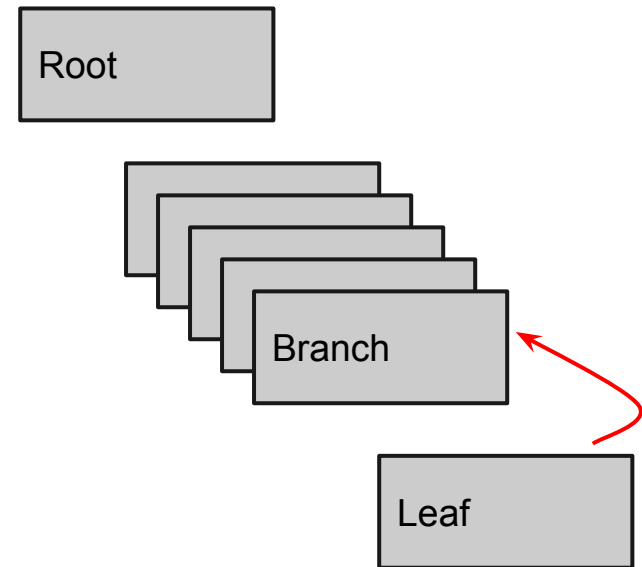
~16X Faster



find parent

MPTT	GRAPH
3823 us	626 us

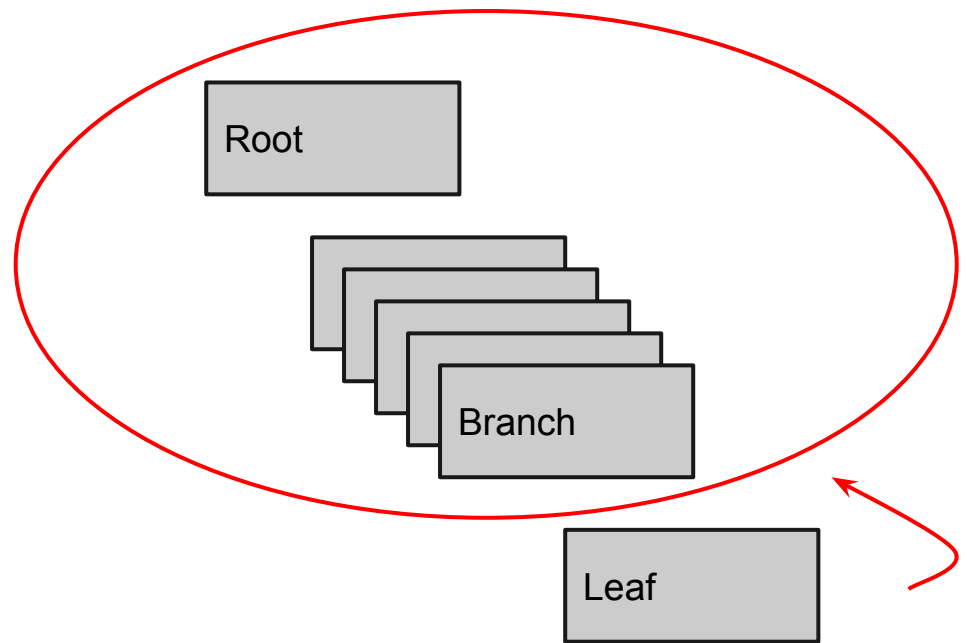
~6X Faster



find all ancestors

MPTT	GRAPH
7668 us	2057 us

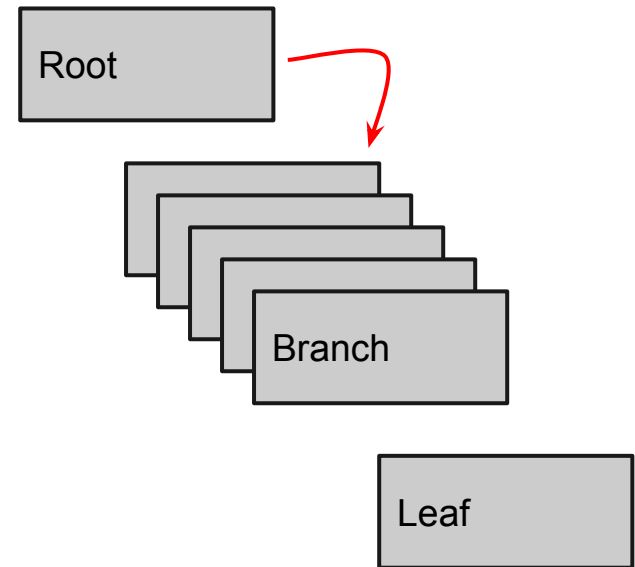
~4X faster



find immediate descendants

MPTT	GRAPH
3522 us	810 us

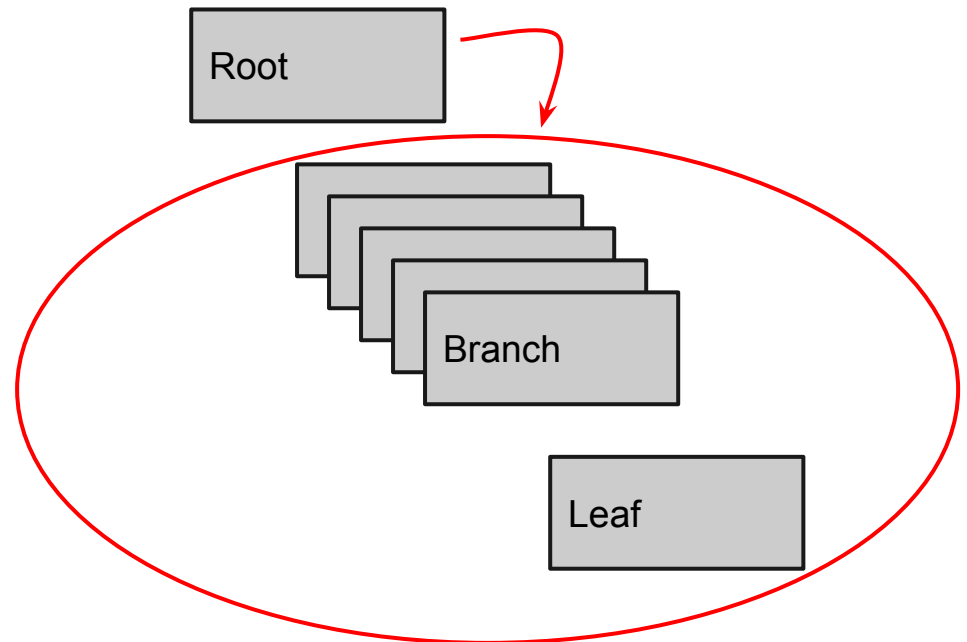
~4X faster



find all descendants

MPTT	GRAPH
5941 us	1033 us

~6X Faster



fetch descendants tree

MPTT	GRAPH
6069 us	1802 us

~3X faster

