$\ell(1) = a$

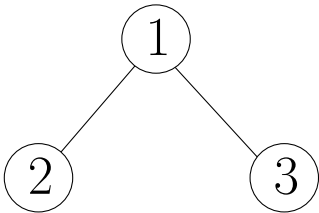$\ell(2) = b$ $\ell(3) = a$