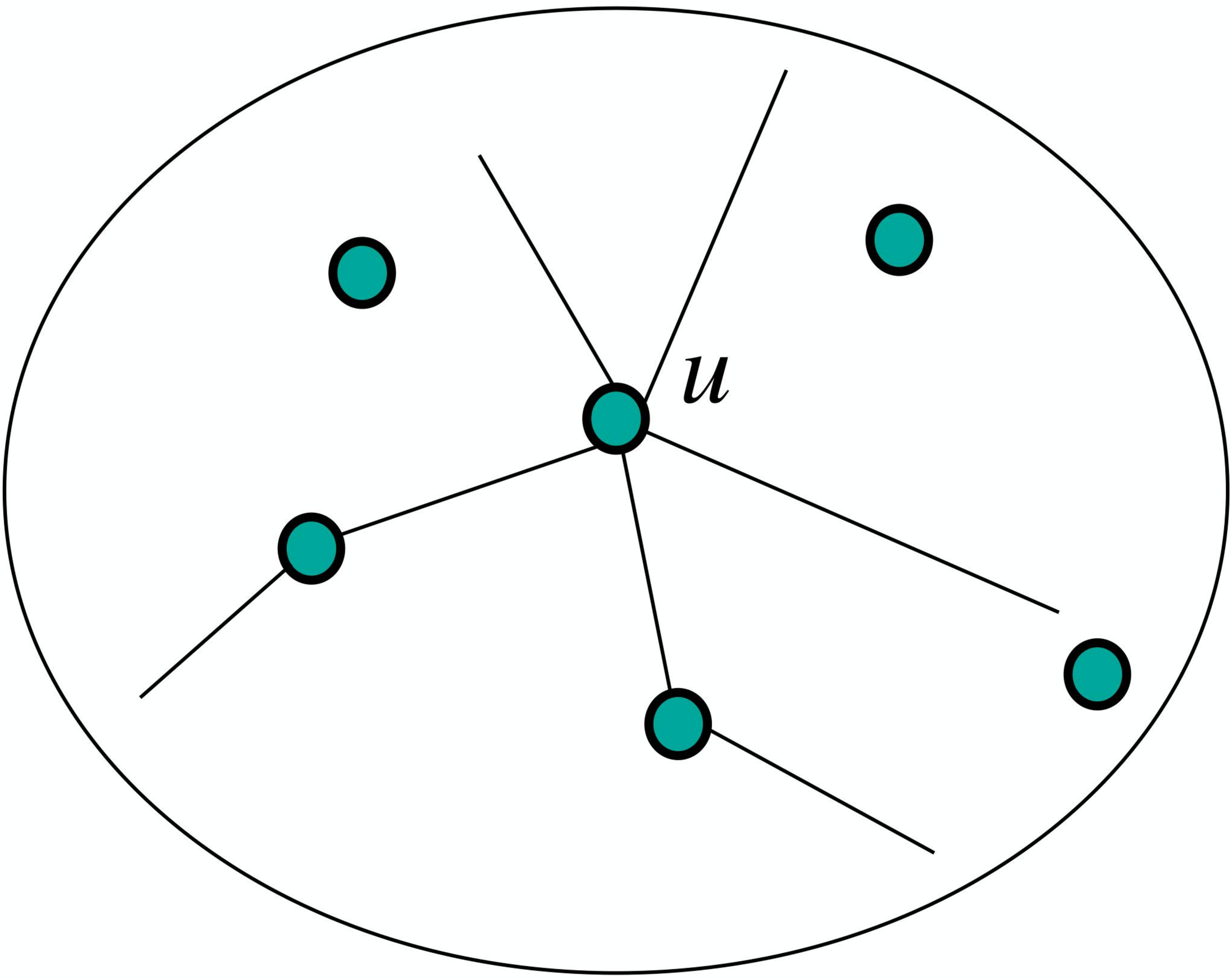


$(r-1)$-hop neighborhood