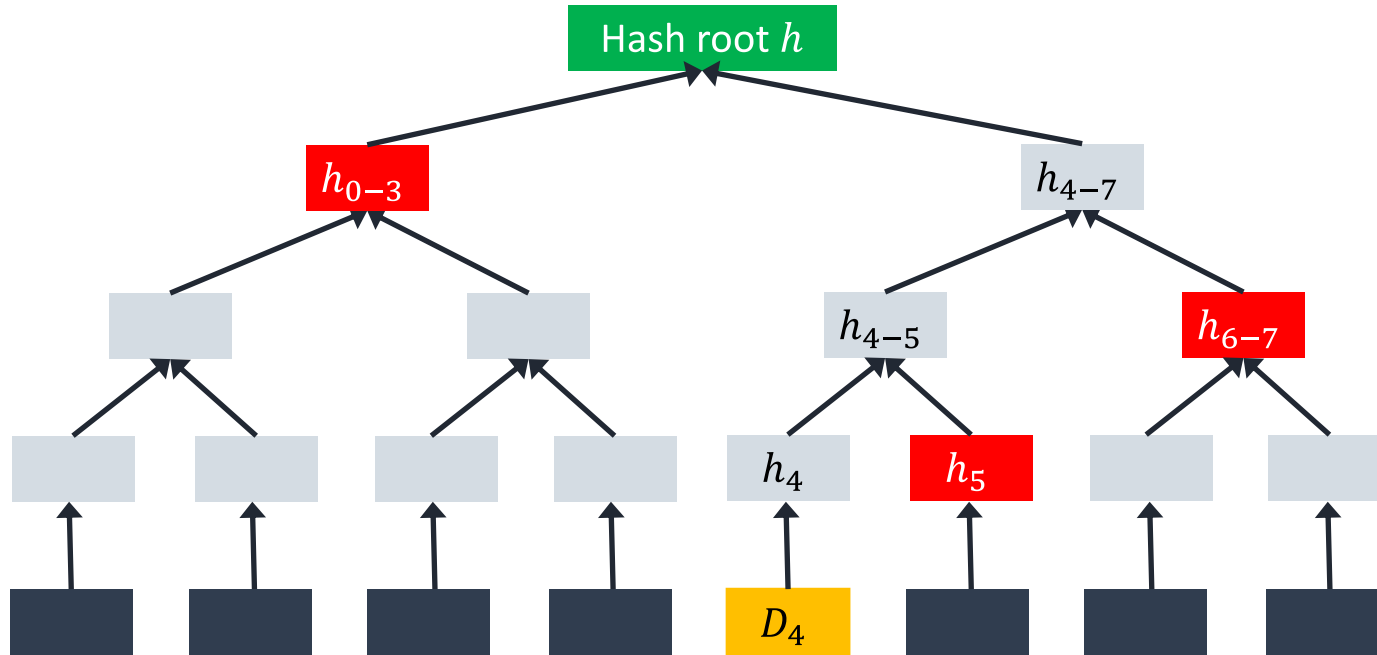# Membership verification

Verifying whether D_4 is a member (i.e., a leaf):

- Obtain the hash root h from a **trusted source**

- Request the nodes h_5, h_{6-7}, h_{0-3} (from **possibly untrusted** source)

- Compute h_4, h_{4-5}, h_{4-7}, h' and check whether $h = h'$