String diagram computation that a Hopf pairing preserves the antipode, and where which statement is shown in HopfPairing.lean om3a om3b ω ω W init1_init2 aux om3a aux_om3b \mathcal{H} IIω ω ω ω init2_rhs init1 lhs 11 Π init2_rhs_aux init1_lhs_aux ω ω ω Q ()П w W