

(\* \$CIS is a Conjugation Invariant Set \*)

$$R_{i_,j_} := \text{Sum}[W_i[\alpha, 1] W_j[\beta, \alpha], \{\alpha, \$CIS\}, \\ \{\beta, \$CIS\}];$$

$$\overline{R}_{i_,j_} := \text{Sum}[W_i[\alpha, 1] W_j[\beta, \text{inv}@\alpha], \{\alpha, \$CIS\}, \\ \{\beta, \$CIS\}];$$

$$\eta_{i_} := \text{Sum}[W_i[\alpha, 1], \{\alpha, \$CIS\}];$$