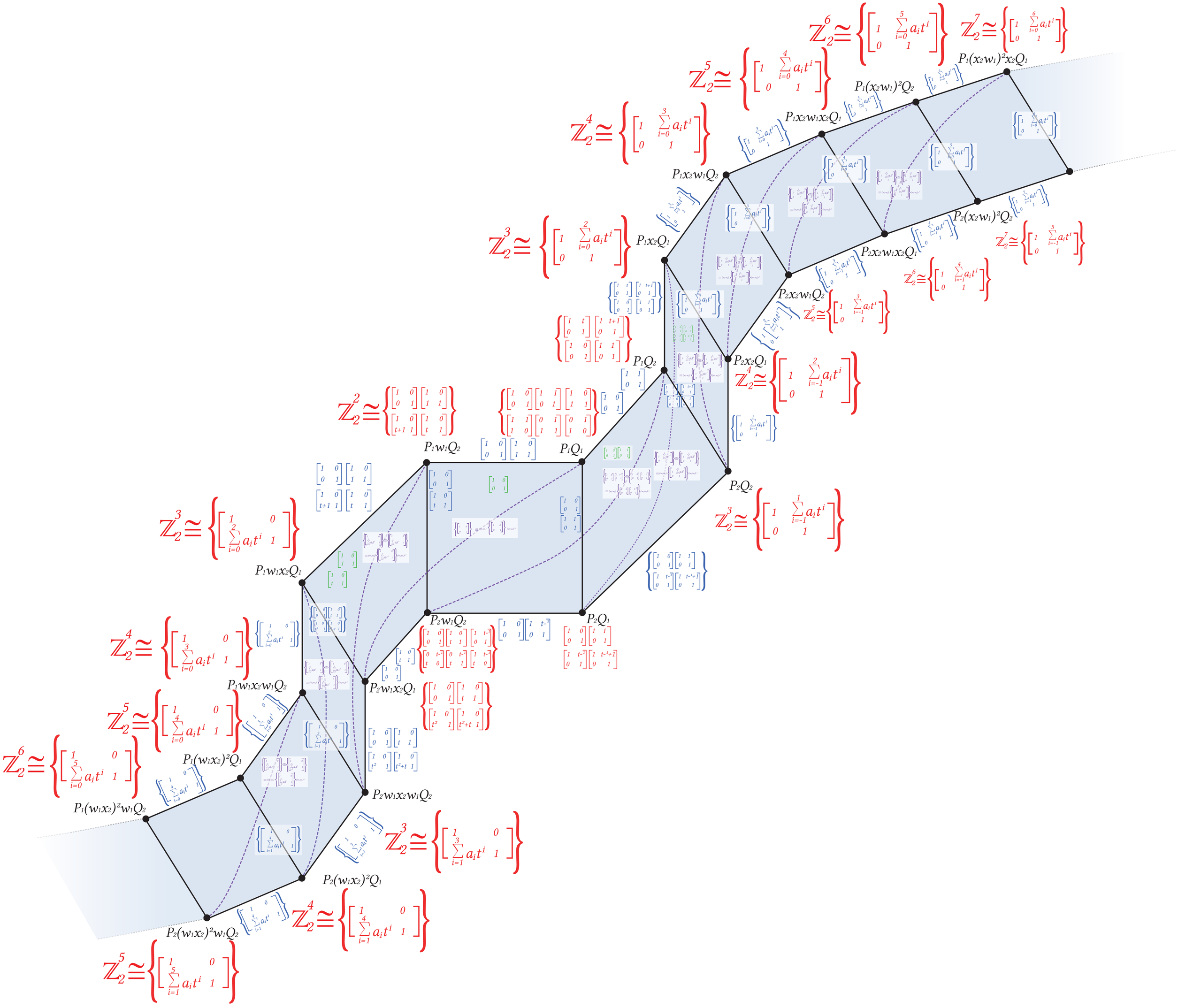
$P_1(x_2w_1)^2x_2Q_1$
$P_1(x_2w_1)^2Q_2$
$P_1x_2w_1x_2Q_1$
$P_1x_2w_1Q_2$
$P_1x_2Q_1$
P_1Q_2
$P_1w_1Q_2$
P_1Q_1
$P_1w_1x_2Q_1$
$P_1w_1x_2w_1Q_2$
$P_1(w_1x_2)^2Q_1$
$P_1(w_1x_2)^2w_1Q_2$
$P_2(x_2w_1)^2Q_2$
$P_2x_2w_1x_2Q_1$
$P_2x_2w_1Q_2$
$P_2x_2Q_1$
P_2Q_2
$P_2w_1Q_2$
P_2Q_1
$P_2w_1x_2Q_1$
$P_2w_1x_2w_1Q_2$
$P_2(w_1x_2)^2Q_1$
$P_2(w_1x_2)^2w_1Q_2$