Teq:
$$a \leftarrow bq + aq + ap$$

$$b \leftarrow bp + aq$$

Tpq:
$$a \leftarrow (bp + aq)q + (bq + aq + ap)q + (bq + aq + ap)p$$

 $= bpq + aq^2 + bq^2 + aq^2 + apq + bqp + aqp + ap^2$
 $= b(q^2 + 2qp) + a(q^2 + q^2 + pq + qp + p^2)$
 $= b(q^2 + 2qp) + a(q^2 + 2qp) + a(q^2 + p^2)$

$$b \leftarrow (bp + aq)p + (bq + aq + ap)q$$

$$= bp^{2} + aqp + bq^{2} + aq^{2} + apq$$

$$= b(q^{2} + p^{2}) + a(q^{2} + 2qp)$$

:.
$$T_{pq} = T_{p'q'}$$
 WHERE $p' = q^2 + p^2$
 $q' = q^2 + 2qp$