

$$\left\{ -1 + \frac{1}{T} + T, -\frac{1}{T_1^2} - T_1^2, -\frac{1}{T_2^2} - T_2^2, +\frac{1}{T_1 T_2} + \frac{1}{T_1 T_2}, +\frac{1}{T_1 T_2} + \frac{1}{T_1 T_2}, +\frac{T_1}{T_2} + \frac{T_2}{T_1} + T_1^2 T_2 - T_2^2 + T_1 T_2 - T_1 T_2 \right\}$$