$$p(x) = \begin{vmatrix} a_0 + a_1 x + \dots + a_m x^m + a_{m+1} x^{m+1} + \dots + a_n x^n \end{vmatrix}$$

$$q(x) = \begin{vmatrix} b_0 + b_1 x + \dots + b_m x^m \end{vmatrix}$$

$$p(x) + q(x) = (a_0 + b_0) + (a_1 + b_1) x + \dots + (a_m + b_m) x^m + a_{m+1} x^{m+1} + \dots + a_n x^n$$