Real01 for No.9124

$$No01 = \begin{bmatrix} p(x) = 1 + x^3 - 2x^4 + 3x^5 - cx \\ q(x) = ax^5 + bx^4 + x^3 - 3x + 1 \end{bmatrix}$$

$$No02 = \begin{bmatrix} p(x) = x^2 - 4 \\ q(x) = 4x^2 + 2x + 1 \\ m = 3 \\ n = 4 \end{bmatrix}$$

$$No03 = \begin{bmatrix} p(x) = x^2 + 6x + 2 \\ q(x) = x^3 + 3x^2 - 5 \end{bmatrix}$$

$$No04 = (Eq = [x^2 + 5x - 14 = (x - a)(x - b)])$$

$$No05 = (Eq = [x^2 - 4x + 20 = (x - a)^2 + b^2])$$

$$No06 = [D(x) = x^2 + 5, Q(x) = x^2 - 2x, R(x) = 3x - 2]$$

$$No07 = \begin{bmatrix} .1 = \begin{bmatrix} a(x) = 2x^5 - 2x^4 - x^3 - 3x^2 + 4x - 4 \\ b(x) = x \end{bmatrix} & .2 = \begin{bmatrix} a(x) = 2x^5 - 2x^4 - x^3 - 3x^2 + 4x - 4 \\ b(x) = x^4 \end{bmatrix} \\ .3 = \begin{bmatrix} a(x) = x^3 - 5 \\ b(x) = x^2 - 4 \end{bmatrix} & .4 = \begin{bmatrix} a(x) = x^4 + 5x^3 - 4x^2 + x - 1 \\ b(x) = x + 2 \end{bmatrix} \\ .5 = \begin{bmatrix} a(x) = 2x^5 - 3 \\ b(x) = x^2 - 2 \end{bmatrix} & .6 = \begin{bmatrix} a(x) = x^6 + 5x^3 - 6 \\ b(x) = x^3 + 2 \end{bmatrix} \end{bmatrix}$$

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Real01 for No.9197

$$No01 = \begin{bmatrix} p(x) = 1 - 2x + x^4 + x^3 - a x^5 \\ q(x) = 5x^5 + x^4 + x^3 - b x + c \end{bmatrix}$$

$$No02 = \begin{bmatrix} p(x) = x^2 - 3 \\ q(x) = 2x^2 + 5x - 5 \\ m = 3 \\ n = 4 \end{bmatrix}$$

$$No03 = \begin{bmatrix} p(x) = x^2 + 4x + 5 \\ q(x) = x^4 - 5x^3 + 2 \end{bmatrix}$$

$$No04 = (Eq = [x^2 - 14x + 45 = (x - a)(x - b)])$$

$$No05 = (Eq = [x^2 - 8x + 20 = (x - a)^2 + b^2])$$

$$No06 = [D(x) = x^2 + 5x, Q(x) = x^2 + 2, R(x) = 5x - 4]$$

$$No07 = \begin{bmatrix} .1 = \begin{bmatrix} a(x) = 2x^5 + 4x^4 - 3x^2 - 2x - 2 \\ b(x) = x \end{bmatrix} & .2 = \begin{bmatrix} a(x) = 2x^5 + 4x^4 - 3x^2 - 2x - 2 \\ b(x) = x^3 \end{bmatrix} \\ .3 = \begin{bmatrix} a(x) = x^3 - 2 \\ b(x) = x^2 - 5 \end{bmatrix} & .4 = \begin{bmatrix} a(x) = x^4 + 3x^3 - 2x^2 - x - 1 \\ b(x) = x - 2 \end{bmatrix} \\ .5 = \begin{bmatrix} a(x) = 3x^5 - 4 \\ b(x) = x^2 - 1 \end{bmatrix} & .6 = \begin{bmatrix} a(x) = x^6 + 4x^3 - 5 \\ b(x) = x^3 - 3 \end{bmatrix} \end{bmatrix}$$

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Real01 for No.9252

$$No01 = \begin{bmatrix} p(x) = 5x^5 - a x^2 + 3x^3 - 3x + 3 \\ q(x) = 3 - 4x^2 + 5x^5 + b x^3 - c x \end{bmatrix}$$

$$No02 = \begin{bmatrix} p(x) = x^2 + 4 \\ q(x) = 2x^2 - 4x - 3 \\ m = 4 \\ n = 3 \end{bmatrix}$$

$$No03 = \begin{bmatrix} p(x) = x^2 + 6x - 6 \\ q(x) = x^4 + 4x^3 - 3 \end{bmatrix}$$

$$No04 = (Eq = [x^2 + x - 72 = (x - a)(x - b)])$$

$$No05 = (Eq = [x^2 - 14x + 65 = (x - a)^2 + b^2])$$

$$No06 = [D(x) = x^2 + 3x, Q(x) = x^2 - 2, R(x) = 5x - 4]$$

$$No07 = \begin{bmatrix} .1 = \begin{bmatrix} a(x) = 4x^5 - 3x^4 + 4x^3 + 4x^2 - 2 \\ b(x) = x \end{bmatrix} & .2 = \begin{bmatrix} a(x) = 4x^5 - 3x^4 + 4x^3 + 4x^2 - 2 \\ b(x) = x^3 \end{bmatrix} \\ .3 = \begin{bmatrix} a(x) = x^3 - 5 \\ b(x) = x^2 + 4 \end{bmatrix} & .4 = \begin{bmatrix} a(x) = x^4 + x^3 + 2x^2 + 4x + 3 \\ b(x) = x + 3 \end{bmatrix} \\ .5 = \begin{bmatrix} a(x) = 4x^5 + 5 \\ b(x) = x^2 + 3 \end{bmatrix} & .6 = \begin{bmatrix} a(x) = x^6 + 2x^3 + 3 \\ b(x) = x^3 - 1 \end{bmatrix} \end{bmatrix}$$

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Real01 for No.9312

$$No01 = \begin{bmatrix} p(x) = -b\,x^5 - c\,x^3 - 3\,x^2 - 1 \\ q(x) = -1 + 2\,x^3 + 4\,x^5 + a\,x^2 \end{bmatrix}$$

$$No02 = \begin{bmatrix} p(x) = x^2 - 1 \\ q(x) = 3\,x^2 + 3\,x + 1 \\ m = 5 \\ n = 2 \end{bmatrix}$$

$$No03 = \begin{bmatrix} p(x) = x^2 + 6\,x + 5 \\ q(x) = x^4 - 6\,x - 2 \end{bmatrix}$$

$$No04 = (Eq = [x^2 - 2\,x - 24 = (x - a)\,(x - b)])$$

$$No05 = (Eq = [x^2 + 10\,x + 74 = (x - a)^2 + b^2])$$

$$No06 = [D(x) = x^2 + 2\,x,\ Q(x) = x^2 - 3,\ R(x) = 3\,x - 1]$$

$$No07 = \begin{bmatrix} .1 = \begin{bmatrix} a(x) = 2\,x^5 + x^4 + 4\,x^2 + 4\,x - 3 \\ b(x) = x^2 \end{bmatrix} & .2 = \begin{bmatrix} a(x) = 2\,x^5 + x^4 + 4\,x^2 + 4\,x - 3 \\ b(x) = x^4 \end{bmatrix} \\ .3 = \begin{bmatrix} a(x) = x^3 + 1 \\ b(x) = x^2 - 6 \end{bmatrix} & .4 = \begin{bmatrix} a(x) = x^4 + 5\,x^3 - x^2 + 5 \\ b(x) = x + 3 \end{bmatrix} \\ .5 = \begin{bmatrix} a(x) = 4\,x^5 + 5 \\ b(x) = x^2 - 3 \end{bmatrix} & .6 = \begin{bmatrix} a(x) = x^6 + 4\,x^3 + 3 \\ b(x) = x^3 + 3 \end{bmatrix} \end{bmatrix}$$

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Real01 for No.9397

$$No01 = \begin{bmatrix} p(x) = -a\,x^5 - c\,x^4 - 2\,x^3 + x - 4 \\ q(x) = -4 + x^5 + x + b\,x^3 \end{bmatrix}$$

$$No02 = \begin{bmatrix} p(x) = x^2 + 2 \\ q(x) = 3\,x^2 - 5\,x + 1 \\ m = 2 \\ n = 5 \end{bmatrix}$$

$$No03 = \begin{bmatrix} p(x) = x^2 - 5\,x + 6 \\ q(x) = x^4 + 5\,x - 6 \end{bmatrix}$$

$$No04 = (Eq = [x^2 - 10\,x + 21 = (x - a)\,(x - b)])$$

$$No05 = (Eq = [x^2 + 2\,x + 10 = (x - a)^2 + b^2])$$

$$No06 = [D(x) = x^2 + 6\,x,\ Q(x) = x^2 - 4,\ R(x) = 2\,x - 5]$$

$$No07 = \begin{bmatrix} .1 = \begin{bmatrix} a(x) = 3\,x^5 + 4\,x^4 - 4\,x^3 - 4\,x^2 \\ b(x) = x^2 \end{bmatrix} & .2 = \begin{bmatrix} a(x) = 3\,x^5 + 4\,x^4 - 4\,x^3 - 4\,x^2 \\ b(x) = x^3 \end{bmatrix} \\ .3 = \begin{bmatrix} a(x) = x^3 - 3 \\ b(x) = x^2 + 1 \end{bmatrix} & .4 = \begin{bmatrix} a(x) = x^4 + x^3 - 4\,x^2 + x + 2 \\ b(x) = x + 2 \end{bmatrix} \\ .5 = \begin{bmatrix} a(x) = 2\,x^5 + 3 \\ b(x) = x^2 + 3 \end{bmatrix} & .6 = \begin{bmatrix} a(x) = x^6 + 5\,x^3 - 2 \\ b(x) = x^3 - 3 \end{bmatrix} \end{bmatrix}$$

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Real01 for No.9449

$$No01 = \begin{bmatrix} p(x) = 4x^5 - a x^3 + 4x^4 + c x^2 - 3x + 4 \\ q(x) = 4 - 3x - x^3 + 4x^4 - b x^5 \end{bmatrix}$$

$$No02 = \begin{bmatrix} p(x) = x^2 - 4 \\ q(x) = 2x^2 + 3x - 2 \\ m = 4 \\ n = 5 \end{bmatrix}$$

$$No03 = \begin{bmatrix} p(x) = x^4 + 5x^2 - 4 \\ q(x) = x^2 + 6x + 3 \end{bmatrix}$$

$$No04 = (Eq = [x^2 + 11x + 28 = (x - a)(x - b)])$$

$$No05 = (Eq = [x^2 - 10x + 34 = (x - a)^2 + b^2])$$

$$No06 = [D(x) = x^2 + 5x, Q(x) = x^2 - 3, R(x) = 3x + 2]$$

$$No07 = \begin{bmatrix} .1 = \begin{bmatrix} a(x) = x^5 + 4x^4 + 3x^3 - 4x^2 + 4x + 2 \\ b(x) = x \end{bmatrix} & .2 = \begin{bmatrix} a(x) = x^5 + 4x^4 + 3x^3 - 4x^2 + 4x + 2 \\ b(x) = x^4 \end{bmatrix} \\ .3 = \begin{bmatrix} a(x) = x^3 - 4 \\ b(x) = x^2 - 2 \end{bmatrix} & .4 = \begin{bmatrix} a(x) = x^4 + 5x^3 + 4x^2 - 2x - 3 \\ b(x) = x + 3 \end{bmatrix} \\ .5 = \begin{bmatrix} a(x) = 3x^5 - 4 \\ b(x) = x^2 + 2 \end{bmatrix} & .6 = \begin{bmatrix} a(x) = x^6 + 3x^3 - 2 \\ b(x) = x^3 + 3 \end{bmatrix} \end{bmatrix}$$

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Real01 for No.9562

$$No01 = \begin{bmatrix} p(x) = b\,x^4 + 2\,x^5 + a\,x^2 - 2\,x - 3 \\ q(x) = -2\,x + x^2 - 3\,x^4 - 3 - c\,x^5 \end{bmatrix}$$

$$No02 = \begin{bmatrix} p(x) = x^2 - 3 \\ q(x) = 2\,x^2 + 2\,x + 1 \\ m = 3 \\ n = 4 \end{bmatrix}$$

$$No03 = \begin{bmatrix} p(x) = x^3 - 2\,x^2 + 2 \\ q(x) = x^2 - 6\,x - 2 \end{bmatrix}$$

$$No04 = (Eq = [x^2 - x - 20 = (x - a)\,(x - b)])$$

$$No05 = (Eq = [x^2 + 2\,x + 5 = (x - a)^2 + b^2])$$

$$No06 = [D(x) = x^2 + 6\,x,\ Q(x) = x^2 - 5,\ R(x) = 5\,x - 2]$$

$$No07 = \begin{bmatrix} .1 = \begin{bmatrix} a(x) = 2\,x^5 + 4\,x^3 + 2\,x^2 - 4\,x \\ b(x) = x^2 \end{bmatrix} & .2 = \begin{bmatrix} a(x) = 2\,x^5 + 4\,x^3 + 2\,x^2 - 4\,x \\ b(x) = x^3 \end{bmatrix} \\ .3 = \begin{bmatrix} a(x) = x^3 + 1 \\ b(x) = x^2 + 1 \end{bmatrix} & .4 = \begin{bmatrix} a(x) = x^4 + 5\,x^3 - x - 5 \\ b(x) = x + 3 \end{bmatrix} \\ .5 = \begin{bmatrix} a(x) = 3\,x^5 - 5 \\ b(x) = x^2 - 1 \end{bmatrix} & .6 = \begin{bmatrix} a(x) = x^6 + 2\,x^3 - 5 \\ b(x) = x^3 - 1 \end{bmatrix} \end{bmatrix}$$

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Real01 for No.9721

$$No01 = \begin{bmatrix} p(x) = -3x + 4x^3 - 3x^4 + 5x^5 + 3x^2 + a \\ q(x) = 5x^5 - bx^3 - 3x^4 - cx^2 - 3x + 3 \end{bmatrix}$$

$$No02 = \begin{bmatrix} p(x) = x^2 - 4 \\ q(x) = 3x^2 - 2x + 3 \\ m = 2 \\ n = 3 \end{bmatrix}$$

$$No03 = \begin{bmatrix} p(x) = x^2 - 5x + 6 \\ q(x) = x^4 + 3x + 5 \end{bmatrix}$$

$$No04 = (Eq = [x^2 + 9x + 20 = (x - a)(x - b)])$$

$$No05 = (Eq = [x^2 - 10x + 26 = (x - a)^2 + b^2])$$

$$No06 = [D(x) = x^2 - 7, Q(x) = x^2 - 5x, R(x) = 3x - 7]$$

$$No07 = \begin{bmatrix} .1 = \begin{bmatrix} a(x) = x^5 + 2x^4 - 4x^3 \\ b(x) = x \end{bmatrix} & .2 = \begin{bmatrix} a(x) = x^5 + 2x^4 - 4x^3 \\ b(x) = x^3 \end{bmatrix} \\ .3 = \begin{bmatrix} a(x) = x^3 + 1 \\ b(x) = x^2 - 5 \end{bmatrix} & .4 = \begin{bmatrix} a(x) = x^4 + x^3 + 2x^2 - 4 \\ b(x) = x - 2 \end{bmatrix} \\ .5 = \begin{bmatrix} a(x) = 3x^5 + 2 \\ b(x) = x^2 - 2 \end{bmatrix} & .6 = \begin{bmatrix} a(x) = x^6 + 5x^3 - 3 \\ b(x) = x^3 - 3 \end{bmatrix} \end{bmatrix}$$

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Real01 for No.9789

$$No01 = \begin{bmatrix} p(x) = 3x^5 + 3x - a x^2 + b x^4 \\ q(x) = 3x^5 + c x^3 - x^4 + 3x^2 + 3x \end{bmatrix}$$

$$No02 = \begin{bmatrix} p(x) = x^2 + 4 \\ q(x) = 3x^2 + x - 5 \\ m = 5 \\ n = 4 \end{bmatrix}$$

$$No03 = \begin{bmatrix} p(x) = x^4 + 4x^2 - 3 \\ q(x) = x^2 - 5x - 6 \end{bmatrix}$$

$$No04 = (Eq = [x^2 - 4x - 32 = (x - a)(x - b)])$$

$$No05 = (Eq = [x^2 - 2x + 37 = (x - a)^2 + b^2])$$

$$No06 = [D(x) = x^2 + 5, Q(x) = x^2 - x, R(x) = 2x - 3]$$

$$No07 = \begin{bmatrix} .1 = \begin{bmatrix} a(x) = 5x^5 - 4x^4 + 3x^2 - x + 3 \\ b(x) = x^2 \end{bmatrix} & .2 = \begin{bmatrix} a(x) = 5x^5 - 4x^4 + 3x^2 - x + 3 \\ b(x) = x^3 \end{bmatrix} \\ .3 = \begin{bmatrix} a(x) = x^3 - 6 \\ b(x) = x^2 - 4 \end{bmatrix} & .4 = \begin{bmatrix} a(x) = x^4 + 2x^3 + 2x^2 - x - 2 \\ b(x) = x + 2 \end{bmatrix} \\ .5 = \begin{bmatrix} a(x) = 4x^5 + 3 \\ b(x) = x^2 + 3 \end{bmatrix} & .6 = \begin{bmatrix} a(x) = x^6 + 3x^3 - 4 \\ b(x) = x^3 - 3 \end{bmatrix} \end{bmatrix}$$

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Real01 for No.9795

$$No01 = \begin{bmatrix} p(x) = b\,x^4 + x^5 + 2\,x^3 - x^2 - a - 2\,x \\ q(x) = -x^2 + x^4 + 2\,x^3 - 2\,x - 1 - c\,x^5 \end{bmatrix}$$

$$No02 = \begin{bmatrix} p(x) = x^2 + 3 \\ q(x) = 3\,x^2 - 4\,x - 1 \\ m = 3 \\ n = 5 \end{bmatrix}$$

$$No03 = \begin{bmatrix} p(x) = x^2 + 4\,x + 6 \\ q(x) = x^3 + 3\,x^2 - 5 \end{bmatrix}$$

$$No04 = (Eq = [x^2 + 13\,x + 40 = (x - a)\,(x - b)])$$

$$No05 = (Eq = [x^2 + 4\,x + 53 = (x - a)^2 + b^2])$$

$$No06 = [D(x) = x^2 + 5,\ Q(x) = x^2 + 3\,x,\ R(x) = 2\,x - 5]$$

$$No07 = \begin{bmatrix} .1 = \begin{bmatrix} a(x) = 3\,x^5 - 3\,x^4 - x^3 + 2\,x^2 - x + 3 \\ b(x) = x^2 \end{bmatrix} & .2 = \begin{bmatrix} a(x) = 3\,x^5 - 3\,x^4 - x^3 + 2\,x^2 - x + 3 \\ b(x) = x^3 \end{bmatrix} \\ .3 = \begin{bmatrix} a(x) = x^3 - 4 \\ b(x) = x^2 + 3 \end{bmatrix} & .4 = \begin{bmatrix} a(x) = x^4 + 2\,x^3 + x^2 - 3 \\ b(x) = x + 2 \end{bmatrix} \\ .5 = \begin{bmatrix} a(x) = 4\,x^5 - 5 \\ b(x) = x^2 + 2 \end{bmatrix} & .6 = \begin{bmatrix} a(x) = x^6 + 3\,x^3 - 4 \\ b(x) = x^3 + 2 \end{bmatrix} \end{bmatrix}$$

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Real01 for No.9839

$$No01 = \begin{bmatrix} \mathrm{p}(x) = -4x^4 + 4x^5 - 3x - 2 - bx^2 \\ \mathrm{q}(x) = cx^5 - 4x^4 - ax - 3x^2 - 2 \end{bmatrix}$$

$$No02 = \begin{bmatrix} \mathrm{p}(x) = x^2 + 4 \\ \mathrm{q}(x) = 4x^2 - 4x + 1 \\ m = 5 \\ n = 4 \end{bmatrix}$$

$$No03 = \begin{bmatrix} \mathrm{p}(x) = x^3 - 6x^2 - 4 \\ \mathrm{q}(x) = x^2 - 4x + 3 \end{bmatrix}$$

$$No04 = (Eq = [x^2 + 6x - 16 = (x-a)(x-b)])$$

$$No05 = (Eq = [x^2 - 6x + 34 = (x-a)^2 + b^2])$$

$$No06 = [\mathrm{D}(x) = x^2 + 2x, \mathrm{Q}(x) = x^2 - 4, \mathrm{R}(x) = 6x - 7]$$

$$No07 = \begin{bmatrix} .1 = \begin{bmatrix} \mathrm{a}(x) = 3x^5 + 3x^4 + 3x - 3 \\ \mathrm{b}(x) = x \end{bmatrix} & .2 = \begin{bmatrix} \mathrm{a}(x) = 3x^5 + 3x^4 + 3x - 3 \\ \mathrm{b}(x) = x^4 \end{bmatrix} \\ .3 = \begin{bmatrix} \mathrm{a}(x) = x^3 - 5 \\ \mathrm{b}(x) = x^2 + 4 \end{bmatrix} & .4 = \begin{bmatrix} \mathrm{a}(x) = x^4 + 4x^3 - 3x^2 + x - 1 \\ \mathrm{b}(x) = x - 2 \end{bmatrix} \\ .5 = \begin{bmatrix} \mathrm{a}(x) = 2x^5 - 3 \\ \mathrm{b}(x) = x^2 - 3 \end{bmatrix} & .6 = \begin{bmatrix} \mathrm{a}(x) = x^6 + 2x^3 - 3 \\ \mathrm{b}(x) = x^3 - 3 \end{bmatrix} \end{bmatrix}$$

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Real01 for No.9843

$$No01 = \begin{bmatrix} p(x) = c\,x^4 + 2\,x^5 - 2\,x^3 + 2\,x^2 + 3\,x \\ q(x) = 2\,x^2 - 2\,x^4 + 3\,x - a\,x^3 - b\,x^5 \end{bmatrix}$$

$$No02 = \begin{bmatrix} p(x) = x^2 + 4 \\ q(x) = 4\,x^2 + 5\,x - 5 \\ m = 3 \\ n = 5 \end{bmatrix}$$

$$No03 = \begin{bmatrix} p(x) = x^4 + 6\,x^2 + 4 \\ q(x) = x^2 - 5\,x - 6 \end{bmatrix}$$

$$No04 = (Eq = [x^2 + 8\,x - 9 = (x - a)\,(x - b)])$$

$$No05 = (Eq = [x^2 + 6\,x + 10 = (x - a)^2 + b^2])$$

$$No06 = [\mathrm{D}(x) = x^2 - 6,\ \mathrm{Q}(x) = x^2 + 3\,x,\ \mathrm{R}(x) = 2\,x - 5]$$

$$No07 = \begin{bmatrix} .1 = \begin{bmatrix} a(x) = 3\,x^5 - 4\,x^4 - x^3 - 3\,x^2 - 4\,x + 3 \\ b(x) = x^2 \end{bmatrix} & .2 = \begin{bmatrix} a(x) = 3\,x^5 - 4\,x^4 - x^3 - 3\,x^2 - 4\,x + 3 \\ b(x) = x^3 \end{bmatrix} \\ .3 = \begin{bmatrix} a(x) = x^3 + 3 \\ b(x) = x^2 + 1 \end{bmatrix} & .4 = \begin{bmatrix} a(x) = x^4 + 5\,x^3 - x^2 - x + 5 \\ b(x) = x + 3 \end{bmatrix} \\ .5 = \begin{bmatrix} a(x) = 3\,x^5 - 2 \\ b(x) = x^2 - 3 \end{bmatrix} & .6 = \begin{bmatrix} a(x) = x^6 + 4\,x^3 + 5 \\ b(x) = x^3 + 1 \end{bmatrix} \end{bmatrix}$$

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Real01 for No.9854

$$No01 = \begin{bmatrix} p(x) = -3x + 3x^3 - x^4 + 3x^5 - 3 - bx^2 \\ q(x) = 3x^5 + cx^3 - x^4 - ax + 2x^2 - 3 \end{bmatrix}$$

$$No02 = \begin{bmatrix} p(x) = x^2 - 4 \\ q(x) = 4x^2 + 5x + 4 \\ m = 3 \\ n = 2 \end{bmatrix}$$

$$No03 = \begin{bmatrix} p(x) = x^4 - 6x^3 + 3 \\ q(x) = x^2 + 5x + 4 \end{bmatrix}$$

$$No04 = (Eq = [x^2 - 15x + 54 = (x-a)(x-b)])$$

$$No05 = (Eq = [x^2 - 14x + 53 = (x-a)^2 + b^2])$$

$$No06 = [D(x) = x^2 - 6x, Q(x) = x^2 - 5, R(x) = 6x + 5]$$

$$No07 = \begin{bmatrix} .1 = \begin{bmatrix} a(x) = x^5 + 4x^4 + 4x^3 + 3x^2 - x - 1 \\ b(x) = x \end{bmatrix} & .2 = \begin{bmatrix} a(x) = x^5 + 4x^4 + 4x^3 + 3x^2 - x - 1 \\ b(x) = x^4 \end{bmatrix} \\ .3 = \begin{bmatrix} a(x) = x^3 - 7 \\ b(x) = x^2 + 7 \end{bmatrix} & .4 = \begin{bmatrix} a(x) = x^4 + 2x^3 + 4x^2 + 4x + 2 \\ b(x) = x + 3 \end{bmatrix} \\ .5 = \begin{bmatrix} a(x) = 3x^5 - 4 \\ b(x) = x^2 - 3 \end{bmatrix} & .6 = \begin{bmatrix} a(x) = x^6 + 3x^3 - 4 \\ b(x) = x^3 - 1 \end{bmatrix} \end{bmatrix}$$

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Real01 for No.9862

$$No01 = \begin{bmatrix} p(x) = 2x^3 + 3x^2 + 4x + a x^5 - c \\ q(x) = 5x^5 - b x^3 + 3x^2 + 4x \end{bmatrix}$$

$$No02 = \begin{bmatrix} p(x) = x^2 + 5 \\ q(x) = 4x^2 + 5x + 4 \\ m = 4 \\ n = 3 \end{bmatrix}$$

$$No03 = \begin{bmatrix} p(x) = x^4 + 3x + 2 \\ q(x) = x^2 - 2x + 2 \end{bmatrix}$$

$$No04 = (Eq = [x^2 - 3x - 4 = (x - a)(x - b)])$$

$$No05 = (Eq = [x^2 + 8x + 41 = (x - a)^2 + b^2])$$

$$No06 = [D(x) = x^2 + 7, Q(x) = x^2 - 2x, R(x) = 5x + 6]$$

$$No07 = \begin{bmatrix} .1 = \begin{bmatrix} a(x) = 4x^5 - 3x^4 - 2x^3 + 4x^2 - x - 2 \\ b(x) = x^2 \end{bmatrix} & .2 = \begin{bmatrix} a(x) = 4x^5 - 3x^4 - 2x^3 + 4x^2 - x - 2 \\ b(x) = x^3 \end{bmatrix} \\ .3 = \begin{bmatrix} a(x) = x^3 + 2 \\ b(x) = x^2 - 3 \end{bmatrix} & .4 = \begin{bmatrix} a(x) = x^4 + 2x^3 - 2x + 4 \\ b(x) = x + 3 \end{bmatrix} \\ .5 = \begin{bmatrix} a(x) = 2x^5 + 5 \\ b(x) = x^2 - 2 \end{bmatrix} & .6 = \begin{bmatrix} a(x) = x^6 + 2x^3 + 5 \\ b(x) = x^3 - 3 \end{bmatrix} \end{bmatrix}$$

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Real01 for No.10278

$$No01 = \begin{bmatrix} p(x) = 5x^5 + 4 - b x^3 + c x^4 \\ q(x) = 5x^5 + x^4 - 4x^3 + a \end{bmatrix}$$

$$No02 = \begin{bmatrix} p(x) = x^2 - 1 \\ q(x) = 3x^2 - 2x - 4 \\ m = 2 \\ n = 3 \end{bmatrix}$$

$$No03 = \begin{bmatrix} p(x) = x^4 + 2x^3 - 3 \\ q(x) = x^2 + 6x + 2 \end{bmatrix}$$

$$No04 = (Eq = [x^2 + 15x + 56 = (x - a)(x - b)])$$

$$No05 = (Eq = [x^2 - 8x + 52 = (x - a)^2 + b^2])$$

$$No06 = [D(x) = x^2 - 7x, Q(x) = x^2 - 4, R(x) = 3x - 5]$$

$$No07 = \begin{bmatrix} .1 = \begin{bmatrix} a(x) = 5x^5 + 2x^4 + 3x^3 - 3x^2 - 4x - 1 \\ b(x) = x^2 \end{bmatrix} & .2 = \begin{bmatrix} a(x) = 5x^5 + 2x^4 + 3x^3 - 3x^2 - 4x - 1 \\ b(x) = x^3 \end{bmatrix} \\ .3 = \begin{bmatrix} a(x) = x^3 - 7 \\ b(x) = x^2 + 3 \end{bmatrix} & .4 = \begin{bmatrix} a(x) = x^4 + 5x^3 + 2x^2 + 5 \\ b(x) = x - 2 \end{bmatrix} \\ .5 = \begin{bmatrix} a(x) = 3x^5 + 2 \\ b(x) = x^2 - 1 \end{bmatrix} & .6 = \begin{bmatrix} a(x) = x^6 + 4x^3 + 5 \\ b(x) = x^3 - 3 \end{bmatrix} \end{bmatrix}$$

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Real01 for No.10361

$$No01 = \begin{bmatrix} p(x) = b\,x^5 - a\,x^3 - x^2 + 3\,x + 2 \\ q(x) = 3\,x + 4\,x^5 + 3\,x^3 + 2 - c\,x^2 \end{bmatrix}$$

$$No02 = \begin{bmatrix} p(x) = x^2 - 4 \\ q(x) = 2\,x^2 - x + 3 \\ m = 5 \\ n = 2 \end{bmatrix}$$

$$No03 = \begin{bmatrix} p(x) = x^4 - 6\,x + 5 \\ q(x) = x^2 + 2\,x - 3 \end{bmatrix}$$

$$No04 = (Eq = [x^2 - 3\,x - 10 = (x - a)\,(x - b)])$$

$$No05 = (Eq = [x^2 - 2\,x + 5 = (x - a)^2 + b^2])$$

$$No06 = [D(x) = x^2 + 3,\ Q(x) = x^2 - 5\,x,\ R(x) = 3\,x - 4]$$

$$No07 = \begin{bmatrix} .1 = \begin{bmatrix} a(x) = 2\,x^5 - x^4 - 4\,x^3 + 4\,x^2 + 4 \\ b(x) = x^2 \end{bmatrix} & .2 = \begin{bmatrix} a(x) = 2\,x^5 - x^4 - 4\,x^3 + 4\,x^2 + 4 \\ b(x) = x^3 \end{bmatrix} \\ .3 = \begin{bmatrix} a(x) = x^3 - 3 \\ b(x) = x^2 - 4 \end{bmatrix} & .4 = \begin{bmatrix} a(x) = x^4 + x^3 + 3\,x^2 - 1 \\ b(x) = x + 2 \end{bmatrix} \\ .5 = \begin{bmatrix} a(x) = 3\,x^5 - 4 \\ b(x) = x^2 - 1 \end{bmatrix} & .6 = \begin{bmatrix} a(x) = x^6 + 3\,x^3 - 2 \\ b(x) = x^3 - 3 \end{bmatrix} \end{bmatrix}$$

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Real01 for No.10532

$$No01 = \begin{bmatrix} \mathrm{p}(x) = -4\,x^4 + 3\,x^5 + a\,x + b\,x^2 \\ \mathrm{q}(x) = 3\,x^5 - 4\,x^4 - 2\,x^2 - c - x \end{bmatrix}$$

$$No02 = \begin{bmatrix} \mathrm{p}(x) = x^2 + 2 \\ \mathrm{q}(x) = 2\,x^2 - 5\,x + 4 \\ m = 3 \\ n = 2 \end{bmatrix}$$

$$No03 = \begin{bmatrix} \mathrm{p}(x) = x^4 + 6\,x^2 - 2 \\ \mathrm{q}(x) = x^2 + 5\,x + 3 \end{bmatrix}$$

$$No04 = (Eq = [x^2 + 10\,x + 9 = (x - a)\,(x - b)])$$

$$No05 = (Eq = [x^2 + 4\,x + 40 = (x - a)^2 + b^2])$$

$$No06 = [\mathrm{D}(x) = x^2 - 7, \mathrm{Q}(x) = x^2 + 3\,x, \mathrm{R}(x) = 4\,x - 5]$$

$$No07 = \begin{bmatrix} .1 = \begin{bmatrix} \mathrm{a}(x) = 3\,x^5 + 2\,x^4 + 2\,x^3 + 4\,x^2 - 2\,x - 4 \\ \mathrm{b}(x) = x \end{bmatrix} & .2 = \begin{bmatrix} \mathrm{a}(x) = 3\,x^5 + 2\,x^4 + 2\,x^3 + 4\,x^2 - 2\,x - 4 \\ \mathrm{b}(x) = x^4 \end{bmatrix} \\ .3 = \begin{bmatrix} \mathrm{a}(x) = x^3 - 5 \\ \mathrm{b}(x) = x^2 + 1 \end{bmatrix} & .4 = \begin{bmatrix} \mathrm{a}(x) = x^4 + 3\,x^3 + 4\,x^2 - 4 \\ \mathrm{b}(x) = x + 2 \end{bmatrix} \\ .5 = \begin{bmatrix} \mathrm{a}(x) = 2\,x^5 - 3 \\ \mathrm{b}(x) = x^2 - 2 \end{bmatrix} & .6 = \begin{bmatrix} \mathrm{a}(x) = x^6 + 3\,x^3 + 2 \\ \mathrm{b}(x) = x^3 + 2 \end{bmatrix} \end{bmatrix}$$

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Real01 for No.10688

$$No01 = \begin{bmatrix} p(x) = 3x^5 + 3x^4 + 2x^3 + 2x^2 - b \\ q(x) = 3x^5 + 3x^4 - a x^2 + 2x^3 + c x + 3 \end{bmatrix}$$

$$No02 = \begin{bmatrix} p(x) = x^2 - 1 \\ q(x) = 4x^2 + 3x - 5 \\ m = 5 \\ n = 3 \end{bmatrix}$$

$$No03 = \begin{bmatrix} p(x) = x^4 - 3x - 6 \\ q(x) = x^2 - 3x + 2 \end{bmatrix}$$

$$No04 = (Eq = [x^2 - 4x - 32 = (x - a)(x - b)])$$

$$No05 = (Eq = [x^2 - 10x + 26 = (x - a)^2 + b^2])$$

$$No06 = [D(x) = x^2 + 2x, Q(x) = x^2 - 5, R(x) = 6x + 1]$$

$$No07 = \begin{bmatrix} .1 = \begin{bmatrix} a(x) = 5x^5 + 2x^4 + x^3 + 4x^2 \\ b(x) = x^2 \end{bmatrix} & .2 = \begin{bmatrix} a(x) = 5x^5 + 2x^4 + x^3 + 4x^2 \\ b(x) = x^4 \end{bmatrix} \\ .3 = \begin{bmatrix} a(x) = x^3 + 1 \\ b(x) = x^2 - 1 \end{bmatrix} & .4 = \begin{bmatrix} a(x) = x^4 + x^3 - 3x^2 + 3x - 3 \\ b(x) = x + 3 \end{bmatrix} \\ .5 = \begin{bmatrix} a(x) = 2x^5 - 5 \\ b(x) = x^2 - 1 \end{bmatrix} & .6 = \begin{bmatrix} a(x) = x^6 + 3x^3 - 5 \\ b(x) = x^3 + 2 \end{bmatrix} \end{bmatrix}$$

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Real01 for No.10868

$$No01 = \begin{bmatrix} p(x) = x^5 - x^4 + x^3 - 2x^2 + b \\ q(x) = -2x^2 - x^4 + 2 - a x^3 - c x^5 \end{bmatrix}$$

$$No02 = \begin{bmatrix} p(x) = x^2 - 1 \\ q(x) = 3x^2 - 2x - 1 \\ m = 4 \\ n = 5 \end{bmatrix}$$

$$No03 = \begin{bmatrix} p(x) = x^2 - 2x + 4 \\ q(x) = x^3 - 6x^2 + 3 \end{bmatrix}$$

$$No04 = (Eq = [x^2 - 13x + 36 = (x-a)(x-b)])$$

$$No05 = (Eq = [x^2 + 4x + 20 = (x-a)^2 + b^2])$$

$$No06 = [D(x) = x^2 + 7x, Q(x) = x^2 - 2, R(x) = 4x - 7]$$

$$No07 = \begin{bmatrix} .1 = \begin{bmatrix} a(x) = 2x^5 - 2x^4 - 4x^3 - 2x^2 - 3x - 2 \\ b(x) = x^2 \end{bmatrix} & .2 = \begin{bmatrix} a(x) = 2x^5 - 2x^4 - 4x^3 - 2x^2 - 3x - 2 \\ b(x) = x^3 \end{bmatrix} \\ .3 = \begin{bmatrix} a(x) = x^3 + 7 \\ b(x) = x^2 + 2 \end{bmatrix} & .4 = \begin{bmatrix} a(x) = x^4 + 4x^3 + 2x^2 - 4x + 2 \\ b(x) = x - 3 \end{bmatrix} \\ .5 = \begin{bmatrix} a(x) = 2x^5 - 3 \\ b(x) = x^2 + 1 \end{bmatrix} & .6 = \begin{bmatrix} a(x) = x^6 + 3x^3 + 2 \\ b(x) = x^3 + 1 \end{bmatrix} \end{bmatrix}$$

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Real01 for No.10900

$$No01 = \begin{bmatrix} p(x) = 4 - 2x^4 + x^5 - x^3 - 2x - a x^2 \\ q(x) = x^5 - b x^3 - 2x^4 + c - 2x \end{bmatrix}$$

$$No02 = \begin{bmatrix} p(x) = x^2 + 3 \\ q(x) = 2x^2 + 5x + 3 \\ m = 5 \\ n = 2 \end{bmatrix}$$

$$No03 = \begin{bmatrix} p(x) = x^2 - 2x + 5 \\ q(x) = x^4 + 6x^3 + 2 \end{bmatrix}$$

$$No04 = (Eq = [x^2 - 10x + 24 = (x - a)(x - b)])$$

$$No05 = (Eq = [x^2 - 14x + 85 = (x - a)^2 + b^2])$$

$$No06 = [D(x) = x^2 - 6, Q(x) = x^2 - 2x, R(x) = 6x + 7]$$

$$No07 = \begin{bmatrix} .1 = \begin{bmatrix} a(x) = 4x^5 + 3x^4 - 2x^3 - 2x^2 - 3 \\ b(x) = x \end{bmatrix} & .2 = \begin{bmatrix} a(x) = 4x^5 + 3x^4 - 2x^3 - 2x^2 - 3 \\ b(x) = x^4 \end{bmatrix} \\ .3 = \begin{bmatrix} a(x) = x^3 + 5 \\ b(x) = x^2 + 7 \end{bmatrix} & .4 = \begin{bmatrix} a(x) = x^4 + x^3 - 3x^2 + 2 \\ b(x) = x + 2 \end{bmatrix} \\ .5 = \begin{bmatrix} a(x) = 3x^5 - 4 \\ b(x) = x^2 + 3 \end{bmatrix} & .6 = \begin{bmatrix} a(x) = x^6 + 2x^3 + 3 \\ b(x) = x^3 - 1 \end{bmatrix} \end{bmatrix}$$

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Real01 for No.11693

$$No01 = \begin{bmatrix} p(x) = x^5 + 2x^2 - 1 - a\,x + b\,x^3 \\ q(x) = x^5 - c\,x^2 + 2x^3 - 3x - 1 \end{bmatrix}$$

$$No02 = \begin{bmatrix} p(x) = x^2 - 4 \\ q(x) = 3x^2 + 5x + 1 \\ m = 3 \\ n = 2 \end{bmatrix}$$

$$No03 = \begin{bmatrix} p(x) = x^3 + 5x + 4 \\ q(x) = x^2 - 2x + 3 \end{bmatrix}$$

$$No04 = (Eq = [x^2 - 15x + 56 = (x-a)(x-b)])$$

$$No05 = (Eq = [x^2 + 8x + 25 = (x-a)^2 + b^2])$$

$$No06 = [D(x) = x^2 - 3,\ Q(x) = x^2 - 6x,\ R(x) = 6x + 1]$$

$$No07 = \begin{bmatrix} .1 = \begin{bmatrix} a(x) = 4x^5 - 2x^4 + 3x^3 - 2x^2 + 4 \\ b(x) = x^2 \end{bmatrix} & .2 = \begin{bmatrix} a(x) = 4x^5 - 2x^4 + 3x^3 - 2x^2 + 4 \\ b(x) = x^4 \end{bmatrix} \\ .3 = \begin{bmatrix} a(x) = x^3 - 6 \\ b(x) = x^2 + 3 \end{bmatrix} & .4 = \begin{bmatrix} a(x) = x^4 + x^3 + 2x^2 + 4x - 2 \\ b(x) = x + 2 \end{bmatrix} \\ .5 = \begin{bmatrix} a(x) = 2x^5 - 5 \\ b(x) = x^2 + 1 \end{bmatrix} & .6 = \begin{bmatrix} a(x) = x^6 + 4x^3 + 3 \\ b(x) = x^3 - 1 \end{bmatrix} \end{bmatrix}$$

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Real01 for No.12097

$$No01 = \begin{bmatrix} p(x) = x - 2x^3 + 3x^5 - x^2 + a - b x^4 \\ q(x) = 3x^5 + 2x^4 - 2x^3 + c x - x^2 + 1 \end{bmatrix}$$

$$No02 = \begin{bmatrix} p(x) = x^2 - 2 \\ q(x) = 4x^2 - x - 3 \\ m = 4 \\ n = 3 \end{bmatrix}$$

$$No03 = \begin{bmatrix} p(x) = x^4 - 6x^2 - 4 \\ q(x) = x^2 + 5x + 2 \end{bmatrix}$$

$$No04 = (Eq = [x^2 + 6x - 27 = (x - a)(x - b)])$$

$$No05 = (Eq = [x^2 - 10x + 61 = (x - a)^2 + b^2])$$

$$No06 = [D(x) = x^2 + 3x,\ Q(x) = x^2 + 6,\ R(x) = 4x - 3]$$

$$No07 = \begin{bmatrix} .1 = \begin{bmatrix} a(x) = 2x^5 - 2x^4 + x^2 - 2x - 1 \\ b(x) = x^2 \end{bmatrix} & .2 = \begin{bmatrix} a(x) = 2x^5 - 2x^4 + x^2 - 2x - 1 \\ b(x) = x^3 \end{bmatrix} \\ .3 = \begin{bmatrix} a(x) = x^3 - 3 \\ b(x) = x^2 - 6 \end{bmatrix} & .4 = \begin{bmatrix} a(x) = x^4 + 3x^3 + x + 3 \\ b(x) = x + 3 \end{bmatrix} \\ .5 = \begin{bmatrix} a(x) = 4x^5 - 5 \\ b(x) = x^2 - 2 \end{bmatrix} & .6 = \begin{bmatrix} a(x) = x^6 + 2x^3 - 3 \\ b(x) = x^3 + 2 \end{bmatrix} \end{bmatrix}$$

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Real01 for No.12172

$$No01 = \begin{bmatrix} \mathrm{p}(x) = c\,x^5 - b\,x^4 + 4\,x + 4 \\ \mathrm{q}(x) = -2\,x^4 + 3\,x^5 + 4\,x + 4 - a\,x^3 \end{bmatrix}$$

$$No02 = \begin{bmatrix} \mathrm{p}(x) = x^2 + 5 \\ \mathrm{q}(x) = 3 + 2\,x^2 + 4\,x \\ m = 5 \\ n = 2 \end{bmatrix}$$

$$No03 = \begin{bmatrix} \mathrm{p}(x) = x^4 - 5\,x^2 - 4 \\ \mathrm{q}(x) = x^2 + 2\,x - 5 \end{bmatrix}$$

$$No04 = (Eq = [x^2 + 8\,x + 7 = (x - a)\,(x - b)])$$

$$No05 = (Eq = [x^2 + 6\,x + 34 = (x - a)^2 + b^2])$$

$$No06 = [\mathrm{D}(x) = x^2 - 7,\ \mathrm{Q}(x) = x^2 + 4\,x,\ \mathrm{R}(x) = 4\,x + 7]$$

$$No07 = \begin{bmatrix} .1 = \begin{bmatrix} \mathrm{a}(x) = 4\,x^5 - 2\,x^4 + 4\,x^3 + 4\,x - 1 \\ \mathrm{b}(x) = x^2 \end{bmatrix} & .2 = \begin{bmatrix} \mathrm{a}(x) = 4\,x^5 - 2\,x^4 + 4\,x^3 + 4\,x - 1 \\ \mathrm{b}(x) = x^4 \end{bmatrix} \\ .3 = \begin{bmatrix} \mathrm{a}(x) = x^3 + 7 \\ \mathrm{b}(x) = x^2 + 7 \end{bmatrix} & .4 = \begin{bmatrix} \mathrm{a}(x) = x^4 + 5\,x^3 + 4\,x^2 - x - 4 \\ \mathrm{b}(x) = x + 3 \end{bmatrix} \\ .5 = \begin{bmatrix} \mathrm{a}(x) = 2\,x^5 + 3 \\ \mathrm{b}(x) = x^2 - 3 \end{bmatrix} & .6 = \begin{bmatrix} \mathrm{a}(x) = x^6 + 4\,x^3 - 3 \\ \mathrm{b}(x) = x^3 + 2 \end{bmatrix} \end{bmatrix}$$

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Real01 for No.12173

$$No01 = \begin{bmatrix} p(x) = 5x^5 + x^4 - a x^2 - x^3 - x \\ q(x) = x^2 + 5x^5 + x^4 + b x^3 + c x \end{bmatrix}$$

$$No02 = \begin{bmatrix} p(x) = x^2 - 2 \\ q(x) = 4x^2 - 2x + 3 \\ m = 5 \\ n = 2 \end{bmatrix}$$

$$No03 = \begin{bmatrix} p(x) = x^2 + 2x + 3 \\ q(x) = x^4 - 5x^2 - 2 \end{bmatrix}$$

$$No04 = (Eq = [x^2 - 11x + 30 = (x - a)(x - b)])$$

$$No05 = (Eq = [x^2 - 12x + 37 = (x - a)^2 + b^2])$$

$$No06 = [D(x) = x^2 - 3x, Q(x) = x^2 - 2, R(x) = 5x - 4]$$

$$No07 = \begin{bmatrix} .1 = \begin{bmatrix} a(x) = 3x^5 - 2x^4 - 3x^3 - 2x^2 + 1 \\ b(x) = x \end{bmatrix} & .2 = \begin{bmatrix} a(x) = 3x^5 - 2x^4 - 3x^3 - 2x^2 + 1 \\ b(x) = x^4 \end{bmatrix} \\ .3 = \begin{bmatrix} a(x) = x^3 + 6 \\ b(x) = x^2 + 1 \end{bmatrix} & .4 = \begin{bmatrix} a(x) = x^4 + x^3 + 4x^2 - 3 \\ b(x) = x + 2 \end{bmatrix} \\ .5 = \begin{bmatrix} a(x) = 2x^5 - 3 \\ b(x) = x^2 - 3 \end{bmatrix} & .6 = \begin{bmatrix} a(x) = x^6 + 6x^3 + 5 \\ b(x) = x^3 - 3 \end{bmatrix} \end{bmatrix}$$

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Real01 for No.12180

$$No01 = \begin{bmatrix} p(x) = -c\,x^5 + x^4 - 2\,x^3 - 3 \\ q(x) = -3 + 5\,x^5 + a\,x^4 - b\,x^3 \end{bmatrix}$$

$$No02 = \begin{bmatrix} p(x) = x^2 + 1 \\ q(x) = 2\,x^2 + x - 2 \\ m = 3 \\ n = 4 \end{bmatrix}$$

$$No03 = \begin{bmatrix} p(x) = x^2 + 3\,x - 6 \\ q(x) = x^3 + 4\,x^2 + 6 \end{bmatrix}$$

$$No04 = (Eq = [x^2 - 3\,x + 2 = (x - a)\,(x - b)])$$

$$No05 = (Eq = [x^2 - 10\,x + 34 = (x - a)^2 + b^2])$$

$$No06 = [D(x) = x^2 + 7\,x, Q(x) = x^2 - 1, R(x) = 5\,x - 7]$$

$$No07 = \begin{bmatrix} .1 = \begin{bmatrix} a(x) = x^5 - 2\,x^4 + 3\,x^2 - x - 1 \\ b(x) = x \end{bmatrix} & .2 = \begin{bmatrix} a(x) = x^5 - 2\,x^4 + 3\,x^2 - x - 1 \\ b(x) = x^4 \end{bmatrix} \\ .3 = \begin{bmatrix} a(x) = x^3 + 6 \\ b(x) = x^2 - 1 \end{bmatrix} & .4 = \begin{bmatrix} a(x) = x^4 + 2\,x^3 - 4\,x^2 + 4\,x + 1 \\ b(x) = x + 2 \end{bmatrix} \\ .5 = \begin{bmatrix} a(x) = 4\,x^5 - 5 \\ b(x) = x^2 - 2 \end{bmatrix} & .6 = \begin{bmatrix} a(x) = x^6 + 3\,x^3 + 5 \\ b(x) = x^3 + 3 \end{bmatrix} \end{bmatrix}$$

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Real01 for No.12256

$$No01 = \begin{bmatrix} p(x) = 5x^5 - x^3 - 3x^2 - 4 - a x^4 \\ q(x) = 5x^5 + c x^3 + b x^2 - 4 \end{bmatrix}$$

$$No02 = \begin{bmatrix} p(x) = x^2 + 1 \\ q(x) = 3x^2 - 5x - 3 \\ m = 3 \\ n = 4 \end{bmatrix}$$

$$No03 = \begin{bmatrix} p(x) = x^3 + 3x^2 + 5 \\ q(x) = x^2 - 2x + 2 \end{bmatrix}$$

$$No04 = (Eq = [x^2 + 11x + 30 = (x - a)(x - b)])$$

$$No05 = (Eq = [x^2 - 8x + 17 = (x - a)^2 + b^2])$$

$$No06 = [D(x) = x^2 + 2, Q(x) = x^2 - 6x, R(x) = 6x - 1]$$

$$No07 = \begin{bmatrix} .1 = \begin{bmatrix} a(x) = 2x^5 - 4x^4 - 2x^2 - 4 \\ b(x) = x^2 \end{bmatrix} & .2 = \begin{bmatrix} a(x) = 2x^5 - 4x^4 - 2x^2 - 4 \\ b(x) = x^4 \end{bmatrix} \\ .3 = \begin{bmatrix} a(x) = x^3 + 3 \\ b(x) = x^2 - 1 \end{bmatrix} & .4 = \begin{bmatrix} a(x) = x^4 + x^3 + 1 \\ b(x) = x + 3 \end{bmatrix} \\ .5 = \begin{bmatrix} a(x) = 4x^5 + 5 \\ b(x) = x^2 - 1 \end{bmatrix} & .6 = \begin{bmatrix} a(x) = x^6 + 5x^3 + 4 \\ b(x) = x^3 - 3 \end{bmatrix} \end{bmatrix}$$

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Real01 for No.12278

$$No01 = \begin{bmatrix} p(x) = a\,x^4 + x^5 + x^3 - 4\,x^2 - c \\ q(x) = -4\,x^2 + x^5 + 2\,x^4 - b\,x^3 \end{bmatrix}$$

$$No02 = \begin{bmatrix} p(x) = x^2 + 1 \\ q(x) = 4\,x^2 + 2\,x - 3 \\ m = 3 \\ n = 2 \end{bmatrix}$$

$$No03 = \begin{bmatrix} p(x) = x^3 - 4\,x + 4 \\ q(x) = x^2 - 6\,x - 4 \end{bmatrix}$$

$$No04 = (Eq = [x^2 - 4\,x - 32 = (x - a)\,(x - b)])$$

$$No05 = (Eq = [x^2 + 8\,x + 25 = (x - a)^2 + b^2])$$

$$No06 = [D(x) = x^2 + 6\,x,\ Q(x) = x^2 - 1,\ R(x) = 2\,x + 1]$$

$$No07 = \begin{bmatrix} .1 = \begin{bmatrix} a(x) = 3\,x^5 + 4\,x^4 + 2\,x^3 - x^2 - x - 1 \\ b(x) = x \end{bmatrix} & .2 = \begin{bmatrix} a(x) = 3\,x^5 + 4\,x^4 + 2\,x^3 - x^2 - x - 1 \\ b(x) = x^3 \end{bmatrix} \\ .3 = \begin{bmatrix} a(x) = x^3 - 5 \\ b(x) = x^2 - 5 \end{bmatrix} & .4 = \begin{bmatrix} a(x) = x^4 + 2\,x^3 - 3\,x^2 - 3\,x + 2 \\ b(x) = x - 3 \end{bmatrix} \\ .5 = \begin{bmatrix} a(x) = 3\,x^5 - 2 \\ b(x) = x^2 + 3 \end{bmatrix} & .6 = \begin{bmatrix} a(x) = x^6 + 4\,x^3 - 5 \\ b(x) = x^3 + 3 \end{bmatrix} \end{bmatrix}$$

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Real01 for No.12482

$$No01 = \begin{bmatrix} p(x) = 2x^5 + bx^3 - 3x^4 - 4x^2 + 2x - 3 \\ q(x) = -3 + 2x - 3x^4 - ax^2 - cx^5 \end{bmatrix}$$

$$No02 = \begin{bmatrix} p(x) = x^2 - 3 \\ q(x) = -3 + 4x^2 - 2x \\ m = 3 \\ n = 2 \end{bmatrix}$$

$$No03 = \begin{bmatrix} p(x) = x^4 - 6x^2 - 3 \\ q(x) = x^2 - 5x + 4 \end{bmatrix}$$

$$No04 = (Eq = [x^2 + 8x + 15 = (x - a)(x - b)])$$

$$No05 = (Eq = [x^2 + 8x + 17 = (x - a)^2 + b^2])$$

$$No06 = [D(x) = x^2 - 6x, Q(x) = x^2 - 3, R(x) = 6x - 1]$$

$$No07 = \begin{bmatrix} .1 = \begin{bmatrix} a(x) = 3x^5 + 2x^4 - 4x - 3 \\ b(x) = x^2 \end{bmatrix} & .2 = \begin{bmatrix} a(x) = 3x^5 + 2x^4 - 4x - 3 \\ b(x) = x^4 \end{bmatrix} \\ .3 = \begin{bmatrix} a(x) = x^3 - 6 \\ b(x) = x^2 + 3 \end{bmatrix} & .4 = \begin{bmatrix} a(x) = x^4 + 5x^3 + x^2 - 1 \\ b(x) = x + 3 \end{bmatrix} \\ .5 = \begin{bmatrix} a(x) = 2x^5 + 5 \\ b(x) = x^2 + 3 \end{bmatrix} & .6 = \begin{bmatrix} a(x) = x^6 + 5x^3 + 3 \\ b(x) = x^3 - 3 \end{bmatrix} \end{bmatrix}$$

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Real01 for No.12586

$$No01 = \begin{bmatrix} p(x) = a\,x^4 + 4\,x^5 - c\,x^3 + 2\,x^2 + x + 4 \\ q(x) = 2\,x^2 - 4\,x^3 + 4\,x^4 + x + 4 + b\,x^5 \end{bmatrix}$$

$$No02 = \begin{bmatrix} p(x) = x^2 + 2 \\ q(x) = 3\,x^2 - 4\,x + 4 \\ m = 5 \\ n = 2 \end{bmatrix}$$

$$No03 = \begin{bmatrix} p(x) = x^4 + 4\,x^3 - 4 \\ q(x) = x^2 - 3\,x + 4 \end{bmatrix}$$

$$No04 = (Eq = [x^2 - 2\,x - 3 = (x - a)\,(x - b)])$$

$$No05 = (Eq = [x^2 + 14\,x + 50 = (x - a)^2 + b^2])$$

$$No06 = [D(x) = x^2 + 4\,x,\ Q(x) = x^2 + 7,\ R(x) = 6\,x - 1]$$

$$No07 = \begin{bmatrix} .1 = \begin{bmatrix} a(x) = 5\,x^5 - 4\,x^4 + 2\,x^2 - 4\,x + 4 \\ b(x) = x \end{bmatrix} & .2 = \begin{bmatrix} a(x) = 5\,x^5 - 4\,x^4 + 2\,x^2 - 4\,x + 4 \\ b(x) = x^3 \end{bmatrix} \\ .3 = \begin{bmatrix} a(x) = x^3 - 4 \\ b(x) = x^2 - 7 \end{bmatrix} & .4 = \begin{bmatrix} a(x) = x^4 + 5\,x^3 - 4\,x^2 + 1 \\ b(x) = x + 2 \end{bmatrix} \\ .5 = \begin{bmatrix} a(x) = 4\,x^5 - 5 \\ b(x) = x^2 + 2 \end{bmatrix} & .6 = \begin{bmatrix} a(x) = x^6 + 5\,x^3 - 3 \\ b(x) = x^3 - 1 \end{bmatrix} \end{bmatrix}$$

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Real01 for No.12654

$$No01 = \begin{bmatrix} p(x) = -3x^3 - 3x - bx^5 - cx^4 \\ q(x) = x^5 - x^4 + ax^2 - 3x^3 - 3x \end{bmatrix}$$

$$No02 = \begin{bmatrix} p(x) = x^2 + 4 \\ q(x) = 2x^2 - 3x + 2 \\ m = 5 \\ n = 4 \end{bmatrix}$$

$$No03 = \begin{bmatrix} p(x) = x^2 - 2x - 4 \\ q(x) = x^3 - 6x^2 + 4 \end{bmatrix}$$

$$No04 = (Eq = [x^2 - 8x + 12 = (x - a)(x - b)])$$

$$No05 = (Eq = [x^2 + 14x + 53 = (x - a)^2 + b^2])$$

$$No06 = [D(x) = x^2 - 7, Q(x) = x^2 + 4x, R(x) = 2x + 7]$$

$$No07 = \begin{bmatrix} .1 = \begin{bmatrix} a(x) = 2x^5 - 3x^2 - 3x + 3 \\ b(x) = x \end{bmatrix} & .2 = \begin{bmatrix} a(x) = 2x^5 - 3x^2 - 3x + 3 \\ b(x) = x^3 \end{bmatrix} \\ .3 = \begin{bmatrix} a(x) = x^3 + 5 \\ b(x) = x^2 + 2 \end{bmatrix} & .4 = \begin{bmatrix} a(x) = x^4 + 4x^3 - 2x^2 + 4x + 4 \\ b(x) = x + 3 \end{bmatrix} \\ .5 = \begin{bmatrix} a(x) = 4x^5 - 5 \\ b(x) = x^2 - 1 \end{bmatrix} & .6 = \begin{bmatrix} a(x) = x^6 + 2x^3 + 5 \\ b(x) = x^3 + 1 \end{bmatrix} \end{bmatrix}$$

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Real01 for No.12677

$$No01 = \begin{bmatrix} p(x) = x^5 - 4x^3 - 4x^2 - 3x - ax^4 \\ q(x) = bx^5 - x^4 - 4x^3 + cx - 4x^2 \end{bmatrix}$$

$$No02 = \begin{bmatrix} p(x) = x^2 + 4 \\ q(x) = 4x^2 + x - 1 \\ m = 2 \\ n = 3 \end{bmatrix}$$

$$No03 = \begin{bmatrix} p(x) = x^3 - 6x - 2 \\ q(x) = x^2 - 3x + 6 \end{bmatrix}$$

$$No04 = (Eq = [x^2 - 2x - 3 = (x - a)(x - b)])$$

$$No05 = (Eq = [x^2 - 12x + 45 = (x - a)^2 + b^2])$$

$$No06 = [D(x) = x^2 - 6, Q(x) = x^2 + x, R(x) = 2x - 5]$$

$$No07 = \begin{bmatrix} .1 = \begin{bmatrix} a(x) = 4x^5 - x^4 + x^3 - 4x^2 - x + 1 \\ b(x) = x \end{bmatrix} & .2 = \begin{bmatrix} a(x) = 4x^5 - x^4 + x^3 - 4x^2 - x + 1 \\ b(x) = x^4 \end{bmatrix} \\ .3 = \begin{bmatrix} a(x) = x^3 - 2 \\ b(x) = x^2 - 4 \end{bmatrix} & .4 = \begin{bmatrix} a(x) = x^4 + 2x^3 - 2 \\ b(x) = x - 3 \end{bmatrix} \\ .5 = \begin{bmatrix} a(x) = 3x^5 - 2 \\ b(x) = x^2 + 3 \end{bmatrix} & .6 = \begin{bmatrix} a(x) = x^6 + 6x^3 + 5 \\ b(x) = x^3 - 3 \end{bmatrix} \end{bmatrix}$$

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Real01 for No.13490

$$No01 = \begin{bmatrix} p(x) = c\,x^4 + 4\,x^5 - b\,x^2 + 3\,x + 1 \\ q(x) = 4\,x^2 - x^4 + 4\,x^5 + 3\,x + 1 - a\,x^3 \end{bmatrix}$$

$$No02 = \begin{bmatrix} p(x) = x^2 + 4 \\ q(x) = 3\,x^2 - 3\,x + 4 \\ m = 3 \\ n = 2 \end{bmatrix}$$

$$No03 = \begin{bmatrix} p(x) = x^4 + 2\,x^3 + 4 \\ q(x) = x^2 - 3\,x - 2 \end{bmatrix}$$

$$No04 = (Eq = [x^2 + 8\,x - 9 = (x - a)\,(x - b)])$$

$$No05 = (Eq = [x^2 + 14\,x + 85 = (x - a)^2 + b^2])$$

$$No06 = [D(x) = x^2 + 7\,x,\ Q(x) = x^2 - 4,\ R(x) = 3\,x - 4]$$

$$No07 = \begin{bmatrix} .1 = \begin{bmatrix} a(x) = 5\,x^5 + 2\,x^3 - 2\,x^2 \\ b(x) = x^2 \end{bmatrix} & .2 = \begin{bmatrix} a(x) = 5\,x^5 + 2\,x^3 - 2\,x^2 \\ b(x) = x^4 \end{bmatrix} \\ .3 = \begin{bmatrix} a(x) = x^3 - 7 \\ b(x) = x^2 + 6 \end{bmatrix} & .4 = \begin{bmatrix} a(x) = x^4 + x^3 - 4\,x^2 - 2\,x - 4 \\ b(x) = x + 3 \end{bmatrix} \\ .5 = \begin{bmatrix} a(x) = 3\,x^5 + 5 \\ b(x) = x^2 + 3 \end{bmatrix} & .6 = \begin{bmatrix} a(x) = x^6 + 5\,x^3 - 6 \\ b(x) = x^3 + 1 \end{bmatrix} \end{bmatrix}$$

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Real01 for No.13500

$$No01 = \begin{bmatrix} p(x) = 5x^5 + 3x^4 - 2x^2 + 4 + a x^3 + b x \\ q(x) = -c x^5 + 3x^4 - 2x^2 + x + 4 \end{bmatrix}$$

$$No02 = \begin{bmatrix} p(x) = x^2 - 2 \\ q(x) = 2x^2 + 5x + 3 \\ m = 5 \\ n = 4 \end{bmatrix}$$

$$No03 = \begin{bmatrix} p(x) = x^3 + 2x - 2 \\ q(x) = x^2 - 4x - 2 \end{bmatrix}$$

$$No04 = (Eq = [x^2 - 13x + 36 = (x-a)(x-b)])$$

$$No05 = (Eq = [x^2 - 6x + 10 = (x-a)^2 + b^2])$$

$$No06 = [D(x) = x^2 - 5, Q(x) = x^2 + 4x, R(x) = 6x - 7]$$

$$No07 = \begin{bmatrix} .1 = \begin{bmatrix} a(x) = 3x^5 + 3x^4 - x^3 - x - 4 \\ b(x) = x^2 \end{bmatrix} & .2 = \begin{bmatrix} a(x) = 3x^5 + 3x^4 - x^3 - x - 4 \\ b(x) = x^3 \end{bmatrix} \\ .3 = \begin{bmatrix} a(x) = x^3 - 7 \\ b(x) = x^2 - 5 \end{bmatrix} & .4 = \begin{bmatrix} a(x) = x^4 + 2x^3 + 4x^2 - x + 1 \\ b(x) = x + 2 \end{bmatrix} \\ .5 = \begin{bmatrix} a(x) = 2x^5 - 3 \\ b(x) = x^2 - 2 \end{bmatrix} & .6 = \begin{bmatrix} a(x) = x^6 + 2x^3 + 5 \\ b(x) = x^3 + 1 \end{bmatrix} \end{bmatrix}$$

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