Real01 for No.10441

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

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

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

$$No04 = (Eq = [x^2 + 4x - 5 = (x - a)(x - b)])$$

$$No05 = (Eq = [x^2 - 4x + 29 = (x - a)^2 + b^2])$$

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

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

:
:
:
:
:
:
:
:
:
:

Real01 for No.10442

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

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

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

$$No04 = (Eq = [x^2 + 7x + 10 = (x - a)(x - b)])$$

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

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

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

:
:
:
:
:
:
:
:
:
:

Real01 for No.10469

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

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

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

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

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

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

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

:
:
:
:
:
:
:
:
:
:

Real01 for No.10479

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

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

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

$$No04 = (Eq = [x^2 - 2\,x - 48 = (x - a)\,(x - b)])$$

$$No05 = (Eq = [x^2 + 6\,x + 13 = (x - a)^2 + b^2])$$

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

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

:
:
:
:
:
:
:
:
:
:

Real01 for No.10506

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

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

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

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

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

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

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

:
:
:
:
:
:
:
:
:
:

Real01 for No.10514

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

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

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

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

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

$$No06 = [D(x) = x^2 - 7x, Q(x) = x^2 + 6, R(x) = 5x + 3]$$

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

:
:
:
:
:
:
:
:
:
:

Real01 for No.10520

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

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

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

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

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

$$No06 = [D(x) = x^2 + 5, Q(x) = x^2 - 3x, R(x) = 4x + 1]$$

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

:
:
:
:
:
:
:
:
:
:

Real01 for No.10638

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

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

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

$$No04 = (Eq = [x^2 + 5x - 36 = (x - a)(x - b)])$$

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

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

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

:
:
:
:
:
:
:
:
:
:

Real01 for No.10639

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

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

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

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

$$No05 = (Eq = [x^2 + 8x + 65 = (x - a)^2 + b^2])$$

$$No06 = [D(x) = x^2 - 1, Q(x) = x^2 + 4x, R(x) = 4x - 3]$$

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

:
:
:
:
:
:
:
:
:
:

Real01 for No.10671

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

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

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

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

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

$$No06 = [D(x) = x^2 + 1, Q(x) = x^2 - 3\,x, R(x) = 6\,x - 5]$$

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

:
:
:
:
:
:
:
:
:
:

Real01 for No.10751

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

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

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

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

$$No05 = (Eq = [x^2 + 12x + 52 = (x - a)^2 + b^2])$$

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

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

:
:
:
:
:
:
:
:
:
:

Real01 for No.10772

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

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

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

$$No04 = (Eq = [x^2 + 4x - 12 = (x-a)(x-b)])$$

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

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

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

:
:
:
:
:
:
:
:
:
:

Real01 for No.10777

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

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

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

$$No04 = (Eq = [x^2 - 4x - 45 = (x-a)(x-b)])$$

$$No05 = (Eq = [x^2 - 6x + 45 = (x-a)^2 + b^2])$$

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

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

:
:
:
:
:
:
:
:
:
:

Real01 for No.10816

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

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

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

$$No04 = (Eq = [x^2 + 5\,x - 24 = (x - a)\,(x - b)])$$

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

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

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

:
:
:
:
:
:
:
:
:
:

Real01 for No.10818

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

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

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

$$No04 = (Eq = [x^2 - 7x + 10 = (x-a)(x-b)])$$

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

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

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

:
:
:
:
:
:
:
:
:
:

Real01 for No.10827

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

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

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

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

$$No05 = (Eq = [x^2 - 6x + 45 = (x - a)^2 + b^2])$$

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

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

:
:
:
:
:
:
:
:
:
:

Real01 for No.11443

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

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

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

$$No04 = (Eq = [x^2 - 5x - 36 = (x - a)(x - b)])$$

$$No05 = (Eq = [x^2 + 12x + 52 = (x - a)^2 + b^2])$$

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

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

:
:
:
:
:
:
:
:
:
:

Real01 for No.11795

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

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

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

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

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

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

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

:
:
:
:
:
:
:
:
:
:

Real01 for No.11874

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

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

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

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

$$No05 = (Eq = [x^2 - 10\,x + 41 = (x - a)^2 + b^2])$$

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

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

:
:
:
:
:
:
:
:
:
:

Real01 for No.11877

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

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

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

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

$$No05 = (Eq = [x^2 + 8x + 65 = (x - a)^2 + b^2])$$

$$No06 = [D(x) = x^2 + 5x,\ Q(x) = x^2 - 1,\ R(x) = 4x - 7]$$

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

:
:
:
:
:
:
:
:
:
:

Real01 for No.11945

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

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

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

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

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

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

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

:
:
:
:
:
:
:
:
:
:

Real01 for No.12216

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

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

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

$$No04 = (Eq = [x^2 + 6x + 8 = (x - a)(x - b)])$$

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

$$No06 = [D(x) = x^2 + 5x, Q(x) = x^2 - 6, R(x) = 4x + 1]$$

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

:
:
:
:
:
:
:
:
:
:

Real01 for No.13077

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

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

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

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

$$No05 = (Eq = [x^2 - 12x + 52 = (x - a)^2 + b^2])$$

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

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

:
:
:
:
:
:
:
:
:
:

Real01 for No.13084

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

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

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

$$No04 = (Eq = [x^2 + 4x - 21 = (x - a)(x - b)])$$

$$No05 = (Eq = [x^2 - 4x + 5 = (x - a)^2 + b^2])$$

$$No06 = [D(x) = x^2 - 2x, Q(x) = x^2 - 1, R(x) = 5x + 4]$$

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

:
:
:
:
:
:
:
:
:
:

Real01 for No.13098

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

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

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

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

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

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

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

:
:
:
:
:
:
:
:
:
:

Real01 for No.13790

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

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

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

$$No04 = (Eq = [x^2 - 12x + 27 = (x-a)(x-b)])$$

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

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

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

:
:
:
:
:
:
:
:
:
:

Real01 for No.13792

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

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

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

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

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

$$No06 = [D(x) = x^2 - 4\,x,\ Q(x) = x^2 - 7,\ R(x) = 3\,x - 1]$$

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

:
:
:
:
:
:
:
:
:
:

Real01 for No.13794

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

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

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

$$No04 = (Eq = [x^2 - 6\,x + 5 = (x - a)\,(x - b)])$$

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

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

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

:
:
:
:
:
:
:
:
:
:

Real01 for No.13795

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

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

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

$$No04 = (Eq = [x^2 + x - 42 = (x - a)(x - b)])$$

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

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

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

:
:
:
:
:
:
:
:
:
:

Real01 for No.13831

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

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

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

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

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

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

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

:
:
:
:
:
:
:
:
:
:

Real01 for No.13891

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

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

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

$$No04 = (Eq = [x^2 - 5\,x - 6 = (x - a)\,(x - b)])$$

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

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

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

:
:
:
:
:
:
:
:
:
:

Real01 for No.13915

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

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

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

$$No04 = (Eq = [x^2 - 5x - 24 = (x-a)(x-b)])$$

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

$$No06 = [D(x) = x^2 - 3, Q(x) = x^2 + 5x, R(x) = 5x + 1]$$

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

:
:
:
:
:
:
:
:
:
:

Real01 for No.14004

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

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

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

$$No04 = (Eq = [x^2 + 10x + 16 = (x - a)(x - b)])$$

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

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

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

:
:
:
:
:
:
:
:
:
:

Real01 for No.14013

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

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

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

$$No04 = (Eq = [x^2 + 3x - 54 = (x - a)(x - b)])$$

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

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

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

:
:
:
:
:
:
:
:
:
:

Real01 for No.14037

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

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

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

$$No04 = (Eq = [x^2 + 3x - 54 = (x - a)(x - b)])$$

$$No05 = (Eq = [x^2 - 6x + 45 = (x - a)^2 + b^2])$$

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

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

:
:
:
:
:
:
:
:
:
:

Real01 for No.14452

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

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

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

$$No04 = (Eq = [x^2 + 5x - 6 = (x - a)(x - b)])$$

$$No05 = (Eq = [x^2 - 6x + 13 = (x - a)^2 + b^2])$$

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

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

:
:
:
:
:
:
:
:
:
:

Real01 for No.14823

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

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

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

$$No04 = (Eq = [x^2 - 7x + 6 = (x - a)(x - b)])$$

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

$$No06 = [D(x) = x^2 + 3x, Q(x) = x^2 - 6, R(x) = 4x - 7]$$

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

:
:
:
:
:
:
:
:
:
:

Real01 for No.14824

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

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

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

$$No04 = (Eq = [3\,x - 28 + x^2 = (x - a)\,(x - b)])$$

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

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

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

:
:
:
:
:
:
:
:
:
:

Real01 for No.14847

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

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

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

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

$$No05 = (Eq = [x^2 + 4\,x + 29 = (x - a)^2 + b^2])$$

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

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

:
:
:
:
:
:
:
:
:
:

Real01 for No.14881

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

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

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

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

$$No05 = (Eq = [x^2 + 4x + 29 = (x - a)^2 + b^2])$$

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

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

:
:
:
:
:
:
:
:
:
:

Real01 for No.14911

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

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

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

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

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

$$No06 = [D(x) = x^2 - 6x, Q(x) = x^2 - 3, R(x) = 5x - 7]$$

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

:
:
:
:
:
:
:
:
:
:

Real01 for No.15009

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

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

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

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

$$No05 = (Eq = [x^2 - 14\,x + 74 = (x - a)^2 + b^2])$$

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

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

:
:
:
:
:
:
:
:
:
:

Real01 for No.15014

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

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

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

$$No04 = (Eq = [x^2 + 5\,x + 6 = (x - a)\,(x - b)])$$

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

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

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

:
:
:
:
:
:
:
:
:
:

XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX

>