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$$\begin{aligned}
No1 &= \left[f(x) = \begin{bmatrix} -3x-3 & x < 1 \\ 7x-6 & x > 1 \end{bmatrix}, a = 1 \right] \\
&| \ x \ | 0.8000 | 0.9000 | 0.9900 | 0.9990 | 0.9999 | \dots \ | a = \ 1 | \dots | 1.0001 | 1.0010 | 1.0100 | 1.1000 | 1.2000 | \\
No2 &= \left[f(x) = \begin{bmatrix} 10-x & : & x < 3 \\ 5 & : & x \geq 3 \end{bmatrix}, a = 3 \right] \\
&| \ x \ | 2.8000 | 2.9000 | 2.9900 | 2.9990 | 2.9999 | \dots \ | a = \ 3 | \dots | 3.0001 | 3.0010 | 3.0100 | 3.1000 | 3.2000 | \\
No3 &= \left[f(x) = \begin{bmatrix} -1+x & : & x < 3 \\ 5 & : & x = 3 \\ 5 & : & 3 < x < 7 \\ 5 & : & x = 7 \\ -2+x & : & x > 7 \end{bmatrix}, a = 7 \right] \\
&| \ x \ | 6.8000 | 6.9000 | 6.9900 | 6.9990 | 6.9999 | \dots \ | a = \ 7 | \dots | 7.0001 | 7.0010 | 7.0100 | 7.1000 | 7.2000 | \\
No4 &= \left[\begin{array}{l} f(x) = \begin{bmatrix} -3x-3 & : & x < 1 \\ 7x-6 & : & x > 1 \end{bmatrix} \\ [\alpha = -3, \beta = -1, \gamma = 0, \delta = 3, \varepsilon = 1] \end{array} \right] \\
No5 &= \left[\begin{array}{l} f(x) = \begin{bmatrix} 2x-7 & : & x \leq -3 \\ -5x-4 & : & -3 < x < 2 \\ -14 & : & x > 2 \end{bmatrix} \\ [\alpha = -7, \beta = 0, \gamma = 6, \delta = 2, \varepsilon = -3] \end{array} \right] \\
No6 &= [\alpha = -11, \beta = -9, \gamma = -8, \delta = 2, \varepsilon = 4]
\end{aligned}$$

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XXX
X Math@MUT XXXM6/1-6800503-00007XX
Limit02_piecewise for No.9899

$$NoI = \left[f(x) = \begin{bmatrix} 7x - 6 & x < 1 \\ -3x - 7 & x > 1 \end{bmatrix}, a = 1 \right]$$

x	0.8000	0.9000	0.9900	0.9990	0.9999	..	a	=	1	...	1.0001	1.0010	1.0100	1.1000	1.2000
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$$No2 = \left[f(x) = \begin{bmatrix} 11-x & : & x \leq 4 \\ 7 & : & x > 4 \end{bmatrix}, a=4 \right]$$

x	3.8000	3.9000	3.9900	3.9990	3.9999	..	a =	4	...	4.0001	4.0010	4.0100	4.1000	4.2000
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$$No3 = \left[f(x) = \begin{bmatrix} 4+x & : & x < 3 \\ 4 & : & x = 3 \\ 4 & : & 3 < x < 7 \\ 7 & : & x = 7 \\ 11-x & : & x > 7 \end{bmatrix}, a=3 \right]$$

x	2.8000	2.9000	2.9900	2.9990	2.9999	..	a =	3	...	3.0001	3.0010	3.0100	3.1000	3.2000
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$$No4 = \left[\begin{array}{c} f(x) = \begin{bmatrix} 7x-6 & : & x < 1 \\ -3x-7 & : & x > 1 \end{bmatrix} \\ [\alpha = -4, \beta = -1, \gamma = 0, \delta = 7, \varepsilon = 1] \end{array} \right]$$

$$No5 = \left[\begin{array}{l} f(x) = \left[\begin{array}{ll} 5-x & : \quad x < -4 \\ 9 & : \quad -4 \leq x < 3 \\ 4x-1 & : \quad x \geq 3 \end{array} \right] \\ [\alpha = -7, \beta = 0, \gamma = 5, \delta = 3, \varepsilon = -4] \end{array} \right]$$

$$No6 = [\alpha = -11, \beta = -6, \gamma = -1, \delta = 0, \varepsilon = 12]$$

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$$\begin{aligned}
No1 &= \left[f(x) = \begin{bmatrix} -4x+6 & x < 1 \\ 7x-3 & x > 1 \end{bmatrix}, a=1 \right] \\
| \text{ x } & | 0.8000 | 0.9000 | 0.9900 | 0.9990 | 0.9999 | \dots | a = 1 | \dots | 1.0001 | 1.0010 | 1.0100 | 1.1000 | 1.2000 | \\
No2 &= \left[f(x) = \begin{bmatrix} 7-x & : & x < 3 \\ 4 & : & x \geq 3 \end{bmatrix}, a=3 \right] \\
| \text{ x } & | 2.8000 | 2.9000 | 2.9900 | 2.9990 | 2.9999 | \dots | a = 3 | \dots | 3.0001 | 3.0010 | 3.0100 | 3.1000 | 3.2000 | \\
No3 &= \left[f(x) = \begin{bmatrix} 11-x & : & x < 5 \\ 6 & : & x = 5 \\ 6 & : & 5 < x < 8 \\ 6 & : & x = 8 \\ -3+x & : & x > 8 \end{bmatrix}, a=8 \right] \\
| \text{ x } & | 7.8000 | 7.9000 | 7.9900 | 7.9990 | 7.9999 | \dots | a = 8 | \dots | 8.0001 | 8.0010 | 8.0100 | 8.1000 | 8.2000 | \\
No4 &= \left[\begin{array}{l} f(x) = \begin{bmatrix} -4x+6 & : & x < 1 \\ 7x-3 & : & x > 1 \end{bmatrix} \\ [\alpha = -7, \beta = -3, \gamma = 0, \delta = 2, \varepsilon = 1] \end{array} \right] \\
No5 &= \left[\begin{array}{l} f(x) = \begin{bmatrix} -5+x & : & x < -5 \\ -10 & : & -5 \leq x \leq 4 \\ -5x+1 & : & x > 4 \end{bmatrix} \\ [\alpha = -3, \beta = 0, \gamma = 6, \delta = 4, \varepsilon = -5] \end{array} \right] \\
No6 &= [\alpha = -9, \beta = -2, \gamma = -1, \delta = 1, \varepsilon = 10]
\end{aligned}$$

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XXX
X Math@MUT XXXM6/1-6800503-00013XX
Limit02_piecewise for No.10061

$$NoI = \left[f(x) = \begin{bmatrix} 3x - 3 & x < 1 \\ -4x - 2 & x > 1 \end{bmatrix}, a = 1 \right]$$

x	0.8000	0.9000	0.9900	0.9990	0.9999	..	a	=	1	...	1.0001	1.0010	1.0100	1.1000	1.2000
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$$No2 = \left[f(x) = \begin{bmatrix} 9-x & : & x \leq 4 \\ 4 & : & x > 4 \end{bmatrix}, a=4 \right]$$

x	3.8000	3.9000	3.9900	3.9990	3.9999	..	a =	4	...	4.0001	4.0010	4.0100	4.1000	4.2000
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$$No3 = \left[f(x) = \begin{bmatrix} 4+x & : & x < 2 \\ 6 & : & x = 2 \\ 5 & : & 2 < x < 5 \\ 2 & : & x = 5 \\ 10-x & : & x > 5 \end{bmatrix}, a = 5 \right]$$

x	4.8000	4.9000	4.9900	4.9990	4.9999	..	a =	5	...	5.0001	5.0010	5.0100	5.1000	5.2000
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$$No4 = \left[\begin{array}{c} f(x) = \begin{bmatrix} 3x-3 & : & x < 1 \\ -4x-2 & : & x > 1 \end{bmatrix} \\ [\alpha = -5, \beta = -3, \gamma = 0, \delta = 2, \varepsilon = 1] \end{array} \right]$$

$$No5 = \left[\begin{array}{l} f(x) = \left[\begin{array}{ll} 4x+2 & : \quad x \leq -2 \\ -2x+2 & : \quad -2 < x \leq 5 \\ -8 & : \quad x > 5 \end{array} \right] \\ [\alpha = -1, \beta = 0, \gamma = 3, \delta = 5, \varepsilon = -2] \end{array} \right]$$

$$No6 = [\alpha = -10, \beta = -9, \gamma = -8, \delta = 6, \varepsilon = 10]$$

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X Math@MUT XXXM6/1-6800503-00017XX
Limit02_piecewise for No.10387

$$NoI = \left[f(x) = \begin{bmatrix} 5x - 4 & x < -1 \\ -7x - 4 & x \geq -1 \end{bmatrix}, a = -1 \right]$$

x	-1.2000	-1.1000	-1.0100	-1.0010	-1.0001	..	a = -1	...	-0.9999	-0.9990	-0.9900	-0.9000	-0.8000
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$$No2 = \left[f(x) = \begin{bmatrix} 3 & : & x \leq 3 \\ x+1 & : & x > 3 \end{bmatrix}, a=3 \right]$$

x	2.8000	2.9000	2.9900	2.9990	2.9999	..	a =	3	...	3.0001	3.0010	3.0100	3.1000	3.2000
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$$No3 = \left[f(x) = \begin{bmatrix} 9-x & : & x < 4 \\ 6 & : & x = 4 \\ 5 & : & 4 < x < 8 \\ 5 & : & x = 8 \\ -5+x & : & x > 8 \end{bmatrix}, a = 4 \right]$$

x	3.8000	3.9000	3.9900	3.9990	3.9999	..	a =	4	...	4.0001	4.0010	4.0100	4.1000	4.2000
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$$No4 = \left[\begin{array}{c} f(x) = \begin{bmatrix} 5x-4 & : & x < -1 \\ -7x-4 & : & x \geq -1 \end{bmatrix} \\ [\alpha = -3, \beta = 0, \gamma = 4, \delta = 6, \varepsilon = -1] \end{array} \right]$$

$$No5 = \left[f(x) = \begin{bmatrix} 2x - 6 & : & x < -5 \\ -3x + 1 & : & -5 \leq x < 3 \\ -8 & : & x > 3 \end{bmatrix} \right]$$

$$No6 = [\alpha = -12, \beta = -11, \gamma = -5, \delta = 3, \varepsilon = 12]$$

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$$\begin{aligned}
No1 &= \left[f(x) = \begin{bmatrix} 2x+3 & x \leq 2 \\ -4x-2 & x > 2 \end{bmatrix}, a=2 \right] \\
| \text{ x } &| 1.8000 | 1.9000 | 1.9900 | 1.9990 | 1.9999 | \dots | a = 2 | \dots | 2.0001 | 2.0010 | 2.0100 | 2.1000 | 2.2000 | \\
No2 &= \left[f(x) = \begin{bmatrix} 4 & : & x < 3 \\ 2+x & : & x \geq 3 \end{bmatrix}, a=3 \right] \\
| \text{ x } &| 2.8000 | 2.9000 | 2.9900 | 2.9990 | 2.9999 | \dots | a = 3 | \dots | 3.0001 | 3.0010 | 3.0100 | 3.1000 | 3.2000 | \\
No3 &= \left[f(x) = \begin{bmatrix} 2+x & : & x < 3 \\ 4 & : & x = 3 \\ 4 & : & 3 < x < 5 \\ 4 & : & x = 5 \\ 9-x & : & x > 5 \end{bmatrix}, a=5 \right] \\
| \text{ x } &| 4.8000 | 4.9000 | 4.9900 | 4.9990 | 4.9999 | \dots | a = 5 | \dots | 5.0001 | 5.0010 | 5.0100 | 5.1000 | 5.2000 | \\
No4 &= \left[\begin{array}{l} f(x) = \begin{bmatrix} 2x+3 & : & x \leq 2 \\ -4x-2 & : & x > 2 \end{bmatrix} \\ [\alpha = -3, \beta = -1, \gamma = 0, \delta = 6, \varepsilon = 2] \end{array} \right] \\
No5 &= \left[\begin{array}{l} f(x) = \begin{bmatrix} 11 & : & x < -1 \\ -5x+6 & : & -1 < x \leq 2 \\ 3x-4 & : & x > 2 \end{bmatrix} \\ [\alpha = -4, \beta = 0, \gamma = 7, \delta = 2, \varepsilon = -1] \end{array} \right] \\
No6 &= [\alpha = -12, \beta = -6, \gamma = -2, \delta = 1, \varepsilon = 12]
\end{aligned}$$

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$$\begin{aligned}
No1 &= \left[f(x) = \begin{bmatrix} 5x-4 & x < 2 \\ -7x+3 & x > 2 \end{bmatrix}, a=2 \right] \\
| \text{ x } &| 1.8000 | 1.9000 | 1.9900 | 1.9990 | 1.9999 | \dots | a = 2 | \dots | 2.0001 | 2.0010 | 2.0100 | 2.1000 | 2.2000 | \\
No2 &= \left[f(x) = \begin{bmatrix} 9-x & : & x \leq 4 \\ 6 & : & x > 4 \end{bmatrix}, a=4 \right] \\
| \text{ x } &| 3.8000 | 3.9000 | 3.9900 | 3.9990 | 3.9999 | \dots | a = 4 | \dots | 4.0001 | 4.0010 | 4.0100 | 4.1000 | 4.2000 | \\
No3 &= \left[f(x) = \begin{bmatrix} x+1 & : & x < 4 \\ 2 & : & x = 4 \\ 5 & : & 4 < x < 7 \\ 3 & : & x = 7 \\ 10-x & : & x > 7 \end{bmatrix}, a=4 \right] \\
| \text{ x } &| 3.8000 | 3.9000 | 3.9900 | 3.9990 | 3.9999 | \dots | a = 4 | \dots | 4.0001 | 4.0010 | 4.0100 | 4.1000 | 4.2000 | \\
No4 &= \left[\begin{array}{l} f(x) = \begin{bmatrix} 5x-4 & : & x < 2 \\ -7x+3 & : & x > 2 \end{bmatrix} \\ [\alpha = -3, \beta = -2, \gamma = 0, \delta = 5, \varepsilon = 2] \end{array} \right] \\
No5 &= \left[\begin{array}{l} f(x) = \begin{bmatrix} 15 & : & x < -4 \\ -2x+7 & : & -4 \leq x < 5 \\ 5x+5 & : & x > 5 \end{bmatrix} \\ [\alpha = -2, \beta = 0, \gamma = 7, \delta = 5, \varepsilon = -4] \end{array} \right] \\
No6 &= [\alpha = -9, \beta = -7, \gamma = -3, \delta = -2, \varepsilon = 8]
\end{aligned}$$


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