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 X Math@MUT XXXM6/1-6600503-00007XX  
 Limit02\_piecewise for No.9633

$$No1 = \left[ f(x) = \begin{cases} 3x + 6 & x < 2 \\ -2x - 3 & x \geq 2 \end{cases}, a = 2 \right]$$

| x | 1.8000 | 1.9000 | 1.9900 | 1.9990 | 1.9999 | .. | a = 2 | ... | 2.0001 | 2.0010 | 2.0100 | 2.1000 | 2.2000 |

$$No2 = \left[ f(x) = \begin{cases} 9 - x & : x < 2 \\ 6 & : x \geq 2 \end{cases}, a = 2 \right]$$

| x | 1.8000 | 1.9000 | 1.9900 | 1.9990 | 1.9999 | .. | a = 2 | ... | 2.0001 | 2.0010 | 2.0100 | 2.1000 | 2.2000 |

$$No3 = \left[ f(x) = \begin{cases} 5 - x & : x < 2 \\ 3 & : x = 2 \\ 6 & : 2 < x < 6 \\ 6 & : x = 6 \\ x & : x > 6 \end{cases}, a = 6 \right]$$

| x | 5.8000 | 5.9000 | 5.9900 | 5.9990 | 5.9999 | .. | a = 6 | ... | 6.0001 | 6.0010 | 6.0100 | 6.1000 | 6.2000 |

$$No4 = \left[ \begin{matrix} f(x) = \begin{cases} 3x + 6 & : x < 2 \\ -2x - 3 & : x \geq 2 \end{cases} \\ [\alpha = -6, \beta = -1, \gamma = 0, \delta = 3, \varepsilon = 2] \end{matrix} \right]$$

$$No5 = \left[ \begin{matrix} f(x) = \begin{cases} 7 & : x < -1 \\ -5x + 2 & : -1 \leq x \leq 5 \\ 3x + 2 & : x > 5 \end{cases} \\ [\alpha = -4, \beta = 0, \gamma = 1, \delta = 5, \varepsilon = -1] \end{matrix} \right]$$

$$No6 = [\alpha = -11, \beta = -10, \gamma = -7, \delta = -3, \varepsilon = 9]$$

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$$No1 = \left[ f(x) = \begin{cases} 7+x & x \leq 3 \\ -4x-6 & x > 3 \end{cases}, a=3 \right]$$

| x | 2.8000 | 2.9000 | 2.9900 | 2.9990 | 2.9999 | .. | a = 3 | .. | 3.0001 | 3.0010 | 3.0100 | 3.1000 | 3.2000 |

$$No2 = \left[ f(x) = \begin{cases} 8 & : x \leq 3 \\ 4+x & : x > 3 \end{cases}, a=3 \right]$$

| x | 2.8000 | 2.9000 | 2.9900 | 2.9990 | 2.9999 | .. | a = 3 | .. | 3.0001 | 3.0010 | 3.0100 | 3.1000 | 3.2000 |

$$No3 = \left[ f(x) = \begin{cases} 4+x & : x < 2 \\ 6 & : x = 2 \\ 6 & : 2 < x < 6 \\ 3 & : x = 6 \\ -3+x & : x > 6 \end{cases}, a=2 \right]$$

| x | 1.8000 | 1.9000 | 1.9900 | 1.9990 | 1.9999 | .. | a = 2 | .. | 2.0001 | 2.0010 | 2.0100 | 2.1000 | 2.2000 |

$$No4 = \left[ \begin{array}{l} f(x) = \begin{cases} 7+x & : x \leq 3 \\ -4x-6 & : x > 3 \end{cases} \\ [\alpha = -7, \beta = -5, \gamma = 0, \delta = 7, \varepsilon = 3] \end{array} \right]$$

$$No5 = \left[ \begin{array}{l} f(x) = \begin{cases} -5x+7 & : x < -2 \\ -1+x & : -2 \leq x < 3 \\ 2 & : x > 3 \end{cases} \\ [\alpha = -5, \beta = 0, \gamma = 4, \delta = 3, \varepsilon = -2] \end{array} \right]$$

$$No6 = [\alpha = -8, \beta = -6, \gamma = -5, \delta = -1, \varepsilon = 2]$$

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