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(195/(1+157.89*exp(-0.42x)))+(103.09/(1+102.58*exp(-0.48x)))



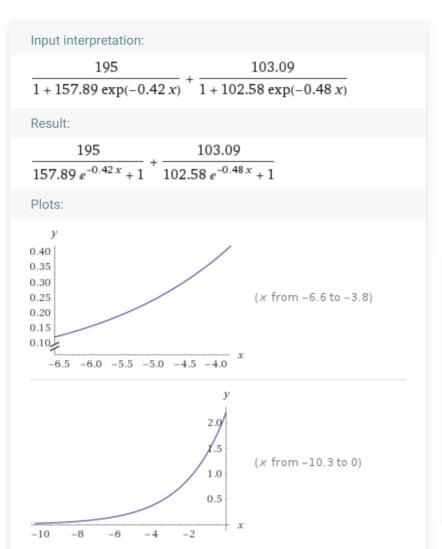
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Alternate forms:

$$298.09 \left(54.6039 + e^{0.42 \, x} - \frac{10.575}{102.58 + e^{0.48 \, x}} \right) = \frac{10.575}{102.58 + e^{0.48 \, x}}$$

$$298.09 \left(67.1042 e^{0.42 \, x} + 54.6039 e^{0.48 \, x} + e^{0.9 \, x} \right)$$

$$(157.89 + e^{0.42 \, x}) \left(102.58 + e^{0.48 \, x} \right)$$

$$Alternate form assuming x is real:
$$\frac{195}{157.89 e^{-0.42 \, x} + 1} + \frac{103.09}{102.58 e^{-0.48 \, x} + 1} + 0$$

$$Roots: \qquad \text{Exact forms} \qquad \text{More digits} \qquad \text{More roots}$$

$$x \approx (16.6667 a) (6.28319 \, n - (3.0171 + 0.29846 \, a)), \quad n \in \mathbb{Z}$$

$$x \approx (16.6667 a) (6.28319 \, n + (3.0171 - 0.29846 \, a)), \quad n \in \mathbb{Z}$$

$$x \approx (16.6667 a) (6.28319 \, n + (2.1344 + 0.550421 \, a)), \quad n \in \mathbb{Z}$$

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$$x \approx (16.6667 a) (6.28319 \, n - (1.27641 + 0.614516 \, a)), \quad n \in \mathbb{Z}$$

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$$x \approx (16.6667 a) (6.28319 \,$$$$

$$\int \left(\frac{195}{1 + 157.89 \exp(-0.42 \, x)} + \frac{103.09}{1 + 102.58 \exp(-0.48 \, x)} \right) dx =$$

$$464.286 \log(157.89 + e^{0.42 \, x}) + 214.771 \log(102.58 + e^{0.42 \, x}) + constant$$

Limit:

$$\lim_{x \to -\infty} \left(\frac{103.09}{1 + 102.58 \, e^{-0.48 \, x}} + \frac{195}{1 + 157.89 \, e^{-0.42 \, x}} \right) = 0 \approx 0$$

$$\lim_{x \to \infty} \left(\frac{103.09}{1 + 102.58 \, e^{-0.48 \, x}} + \frac{195}{1 + 157.89 \, e^{-0.42 \, x}} \right) = 298.09$$



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Related Oueries:

- = table d^n/dx^n ((195/(... = series of (195/(1 + 15...
- = intercepts (195/(1 + 1... = third derivative (195/(...
- = series of (195/(1 + 15...



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