# **Mathematica 7 Test Results**

## For Integration Problems Involving Hyperbolic Functions

### Problems involving hyperbolic sines

Valid but unnecessarily complicated antiderivative:

$$\left\{ \frac{1}{\sqrt{a \, \text{Sinh}[x]^{2}}}, \, x, \, 2, \, 0 \right\}$$

$$-\frac{\text{ArcCoth}[\text{Cosh}[x]] \, \text{Sinh}[x]}{\sqrt{a \, \text{Sinh}[x]^{2}}}$$

$$\frac{\left(-\text{Log}\left[2 \, \text{Cosh}\left[\frac{x}{2}\right]\right] + \text{Log}\left[2 \, \text{Sinh}\left[\frac{x}{2}\right]\right]\right) \, \text{Sinh}[x]}{\sqrt{a \, \text{Sinh}[x]^{2}}}$$

Valid but unnecessarily complicated antiderivative:

$$\left\{ \frac{1}{3+5 \, \mathrm{i} \, \mathrm{Sinh}[c+d\, x]} \,, \, x, \, 1, \, 0 \right\}$$
 
$$\frac{\mathrm{ArcTan}\left[\frac{1}{4} \left(5 \, \mathrm{i} - 3 \, \mathrm{Tanh}\left[\frac{1}{2} \, \left(c+d\, x\right) \, \right]\right)\right]}{2 \, \mathrm{d}}$$
 
$$\frac{1}{8 \, \mathrm{d}} \left( 2 \, \mathrm{ArcTan}\left[3 \, \mathrm{Coth}\left[\frac{1}{2} \, \left(c+d\, x\right) \, \right]\right] + 2 \, \mathrm{ArcTan}\left[3 \, \mathrm{Tanh}\left[\frac{1}{2} \, \left(c+d\, x\right) \, \right]\right] - \mathrm{i} \, \left(\mathrm{Log}[-4+5 \, \mathrm{Cosh}[c+d\, x]] - \mathrm{Log}[4+5 \, \mathrm{Cosh}[c+d\, x]]\right) \right)$$

Valid but unnecessarily complicated antiderivative:

$$\left\{ \frac{1}{(3+5 \, i \, Sinh[c+d\, x])^2}, \, x, \, 2, \, 0 \right\}$$

$$-\frac{3 \, ArcTan\left[\frac{1}{4} \left(5 \, i - 3 \, Tanh\left[\frac{1}{2} \left(c + d\, x\right)\right]\right)\right]}{32 \, d} + \frac{5 \, i \, Cosh[c+d\, x]}{16 \, d \, \left(3+5 \, i \, Sinh[c+d\, x]\right)}$$

$$-\frac{1}{384 \, d}$$

$$\left( -9 \left(2 \, ArcTan\left[3 \, Coth\left[\frac{1}{2} \left(c + d\, x\right)\right]\right] + 2 \, ArcTan\left[3 \, Tanh\left[\frac{1}{2} \left(c + d\, x\right)\right]\right] - i \, Log\left[-4+5 \, Cosh[c+d\, x]\right] + i \, Log\left[4+5 \, Cosh[c+d\, x]\right]\right) +$$

$$40 \left( \frac{1}{3 \, Cosh\left[\frac{1}{2} \left(c + d\, x\right)\right] + i \, Sinh\left[\frac{1}{2} \left(c + d\, x\right)\right]} + \frac{3}{Cosh\left[\frac{1}{2} \left(c + d\, x\right)\right]} \right) Sinh\left[\frac{1}{2} \left(c + d\, x\right)\right] \right)$$

$$\left\{ \frac{1}{\left(3 + 5 \text{ i } \text{Sinh}[c + d \, x]\right)^{3}}, \, x, \, 3, \, 0 \right\}$$

$$\frac{43 \, \text{ArcTan}\left[\frac{1}{4}\left(5 \, \text{i} - 3 \, \text{Tanh}\left[\frac{1}{2}\left(c + d \, x\right)\right]\right)\right]}{1024 \, d} + \frac{5 \, \text{i } \, \text{Cosh}[c + d \, x]}{32 \, d \, \left(3 + 5 \, \text{i } \, \text{Sinh}[c + d \, x]\right)^{2}} - \frac{45 \, \text{i } \, \text{Cosh}[c + d \, x]}{512 \, d \, \left(3 + 5 \, \text{i } \, \text{Sinh}[c + d \, x]\right)}$$

$$\frac{1}{4096 \, d} \left[ 86 \, \text{ArcTan} \left[ 3 \, \text{Coth} \left[ \frac{1}{2} \, \left( c + d \, x \right) \, \right] \right] + 86 \, \text{ArcTan} \left[ 3 \, \text{Tanh} \left[ \frac{1}{2} \, \left( c + d \, x \right) \, \right] \right] - 43 \, \text{i} \, \text{Log} \left[ -4 + 5 \, \text{Cosh} \left[ c + d \, x \right] \, \right] + \\ 43 \, \text{i} \, \text{Log} \left[ 4 + 5 \, \text{Cosh} \left[ c + d \, x \right] \, \right] - \frac{80 \, \text{i}}{\left( 3 \, \text{Cosh} \left[ \frac{1}{2} \, \left( c + d \, x \right) \, \right] + \text{i} \, \text{Sinh} \left[ \frac{1}{2} \, \left( c + d \, x \right) \, \right] \right)^2} + \frac{80 \, \text{i}}{\left( \text{Cosh} \left[ \frac{1}{2} \, \left( c + d \, x \right) \, \right] + 3 \, \text{i} \, \text{Sinh} \left[ \frac{1}{2} \, \left( c + d \, x \right) \, \right] \right)^2} + \\ \left( -\frac{120}{3 \, \text{Cosh} \left[ \frac{1}{2} \, \left( c + d \, x \right) \, \right] + \text{i} \, \text{Sinh} \left[ \frac{1}{2} \, \left( c + d \, x \right) \, \right]} - \frac{360}{\text{Cosh} \left[ \frac{1}{2} \, \left( c + d \, x \right) \, \right] + 3 \, \text{i} \, \text{Sinh} \left[ \frac{1}{2} \, \left( c + d \, x \right) \, \right]} \right) \, \text{Sinh} \left[ \frac{1}{2} \, \left( c + d \, x \right) \, \right] \right)$$

$$\left\{ \frac{1}{(3+5 \, i \, \sinh[c+d\, x])^4}, \, x, \, 4, \, 0 \right\}$$

$$\frac{279 \, ArcTan \left[ \frac{1}{4} \left( 5 \, i - 3 \, Tanh \left[ \frac{1}{2} \left( c + d\, x \right) \right] \right) \right]}{16384 \, d} + \frac{5 \, i \, Cosh[c+d\, x]}{48 \, d \, (3+5 \, i \, Sinh[c+d\, x])^3} - \frac{25 \, i \, Cosh[c+d\, x]}{512 \, d \, (3+5 \, i \, Sinh[c+d\, x])^2} + \frac{995 \, i \, Cosh[c+d\, x]}{24576 \, d \, (3+5 \, i \, Sinh[c+d\, x])}$$

$$\frac{1}{589824 \, d} \left[ -5022 \, ArcTan \left[ 3 \, Coth \left[ \frac{1}{2} \left( c + d\, x \right) \right] \right] - 5022 \, ArcTan \left[ 3 \, Tanh \left[ \frac{1}{2} \left( c + d\, x \right) \right] \right] + 2511 \, i \, Log \left[ -4 + 5 \, Cosh[c+d\, x] \right] - \frac{1}{2} \left( -4 \, d\, x \right) \right] + \frac{4640 \, i}{\left( 3 \, Cosh \left[ \frac{1}{2} \left( c + d\, x \right) \right] + 3 \, i \, Sinh \left[ \frac{1}{2} \left( c + d\, x \right) \right] \right)^2} + \frac{4640 \, i}{3 \, Cosh \left[ \frac{1}{2} \left( c + d\, x \right) \right] + 3 \, i \, Sinh \left[ \frac{1}{2} \left( c + d\, x \right) \right] + 3 \, i \, Sinh \left[ \frac{1}{2} \left( c + d\, x \right) \right] \right)^2} + \frac{4640 \, i}{3 \, Cosh \left[ \frac{1}{2} \left( c + d\, x \right) \right] + 3 \, i \, Sinh \left[ \frac{1}{2} \left( c + d\, x \right) \right] + 3 \, i \, Sinh \left[ \frac{1}{2} \left( c + d\, x \right) \right]} + \frac{4640 \, i}{3 \, Cosh \left[ \frac{1}{2} \left( c + d\, x \right) \right] + 3 \, i \, Sinh \left[ \frac{1}{2} \left( c + d\, x \right) \right]} + \frac{199}{3 \, Cosh \left[ \frac{1}{2} \left( c + d\, x \right) \right] + 3 \, i \, Sinh \left[ \frac{1}{2} \left( c + d\, x \right) \right]} + \frac{240}{3 \, Cosh \left[ \frac{1}{2} \left( c + d\, x \right) \right] + 3 \, i \, Sinh \left[ \frac{1}{2} \left( c + d\, x \right) \right]} + \frac{597}{3 \, Cosh \left[ \frac{1}{2} \left( c + d\, x \right) \right] + 3 \, i \, Sinh \left[ \frac{1}{2} \left( c + d\, x \right) \right]} + \frac{260 \, i \, Cosh \left[ \frac{1}{2} \left( c + d\, x \right) \right]}{3 \, Cosh \left[ \frac{1}{2} \left( c + d\, x \right) \right] + 3 \, i \, Sinh \left[ \frac{1}{2} \left( c + d\, x \right) \right]} + \frac{260 \, i \, Cosh \left[ \frac{1}{2} \left( c + d\, x \right) \right]}{3 \, Cosh \left[ \frac{1}{2} \left( c + d\, x \right) \right] + 3 \, i \, Sinh \left[ \frac{1}{2} \left( c + d\, x \right) \right]} + \frac{260 \, i \, Cosh \left[ \frac{1}{2} \left( c + d\, x \right) \right]}{3 \, Cosh \left[ \frac{1}{2} \left( c + d\, x \right) \right] + 3 \, i \, Sinh \left[ \frac{1}{2} \left( c + d\, x \right) \right]} + \frac{260 \, i \, Cosh \left[ \frac{1}{2} \left( c + d\, x \right) \right]}{3 \, Cosh \left[ \frac{1}{2} \left( c + d\, x \right) \right]} + \frac{260 \, i \, Cosh \left[ \frac{1}{2} \left( c + d\, x \right) \right]}{3 \, Cosh \left[ \frac{1}{2} \left( c + d\, x \right) \right]} + \frac{260 \, i \, Cosh \left[ \frac{1}{2} \left( c + d\, x \right) \right]}{3 \, Cosh \left[ \frac{1}{2} \left( c + d\, x \right) \right]} + \frac{260 \, i \, Cosh \left[ \frac{1}{2} \left( c + d\, x \right) \right]}{3 \, Cosh \left$$

Valid but unnecessarily complicated antiderivative:

$$\left\{ \frac{1}{5+3 \text{ i } Sinh[c+dx]}, \text{ x, 1, 0} \right\}$$

$$\frac{ArcTanh\left[\frac{1}{4}\left(3 \text{ i } - 5 \text{ Tanh}\left[\frac{1}{2}\left(c+dx\right)\right]\right)\right]}{2 \text{ d}}$$

$$\frac{1}{8 \text{ d}} \left( -2 \text{ i } ArcTan\left[\frac{2 \text{ Cosh}\left[\frac{1}{2}\left(c+dx\right)\right] - \text{Sinh}\left[\frac{1}{2}\left(c+dx\right)\right]}{\text{Cosh}\left[\frac{1}{2}\left(c+dx\right)\right]} \right] + 2 \text{ i } ArcTan\left[\frac{\text{Cosh}\left[\frac{1}{2}\left(c+dx\right)\right] + 2 \text{Sinh}\left[\frac{1}{2}\left(c+dx\right)\right]}{2 \text{ Cosh}\left[\frac{1}{2}\left(c+dx\right)\right] + \text{Sinh}\left[\frac{1}{2}\left(c+dx\right)\right]} \right] - \\ Log\left[5 \text{ Cosh}\left[c+dx\right] - 4 \text{ Sinh}\left[c+dx\right]\right] + Log\left[5 \text{ Cosh}\left[c+dx\right] + 4 \text{ Sinh}\left[c+dx\right]\right] \right)$$

$$\left\{ \frac{1}{(5+3 \text{ i Sinh}[c+dx])^{2}}, x, 2, 0 \right\} \\
-\frac{5 \operatorname{ArcTanh}\left[\frac{1}{4} \left(3 \text{ i } - 5 \operatorname{Tanh}\left[\frac{1}{2} (c+dx)\right]\right)\right]}{32 d} - \frac{3 \text{ i } \operatorname{Cosh}[c+dx]}{16 d (5+3 \text{ i Sinh}[c+dx])} \right\}$$

$$\frac{1}{640\,d\,\left(-5\,i+3\,\mathrm{Sinh}[c+d\,x]\right)} \left(-120\,\mathrm{Cosh}[c+d\,x] + \left(24\,i-50\,i\,\mathrm{ArcTan}\left[\frac{2\,\mathrm{Cosh}\left[\frac{1}{2}\,\left(c+d\,x\right)\right]-\mathrm{Sinh}\left[\frac{1}{2}\,\left(c+d\,x\right)\right]}{\mathrm{Cosh}\left[\frac{1}{2}\,\left(c+d\,x\right)\right]}\right] + 50\,i\,\mathrm{ArcTan}\left[\frac{\mathrm{Cosh}\left[\frac{1}{2}\,\left(c+d\,x\right)\right]+2\,\mathrm{Sinh}\left[\frac{1}{2}\,\left(c+d\,x\right)\right]}{2\,\mathrm{Cosh}\left[\frac{1}{2}\,\left(c+d\,x\right)\right]}\right] - 2\,\mathrm{Sinh}\left[\frac{1}{2}\,\left(c+d\,x\right)\right] + 2\,\mathrm{Sinh}\left[\frac{1}{2}\,\left(c+d\,x\right)\right] + 2\,\mathrm{Sinh}\left[\frac{1}{2}\,\left(c+d\,x\right)\right]\right] - 2\,\mathrm{Sinh}\left[c+d\,x\right] + 2\,\mathrm{Sinh}\left[c+d\,x\right] + 2\,\mathrm{Sinh}\left[c+d\,x\right]\right] + 2\,\mathrm{Sinh}\left[c+d\,x\right] + 2\,\mathrm{Sinh}\left[c+d\,x\right]\right] + 2\,\mathrm{Sinh}\left[c+d\,x\right] + 2\,\mathrm{Sinh}\left[c+d\,x\right]\right)$$

$$\left\{ \frac{1}{(5+3 \, i \, \text{Sinh}[c+d\, x])^3}, \, x, \, 3, \, 0 \right\}$$

$$\frac{59 \, \text{ArcTanh} \left[ \frac{1}{4} \left( 3 \, i - 5 \, \text{Tanh} \left[ \frac{1}{2} \left( c + d \, x \right) \right] \right) \right]}{1024 \, d} - \frac{3 \, i \, \text{Cosh}[c+d\, x]}{32 \, d \, \left( 5 + 3 \, i \, \text{Sinh}[c+d\, x] \right)^2} - \frac{45 \, i \, \text{Cosh}[c+d\, x]}{512 \, d \, \left( 5 + 3 \, i \, \text{Sinh}[c+d\, x] \right)}$$

$$\frac{1}{4096 \, d} \left[ -118 \, i \, \text{ArcTan} \left[ \frac{2 \, \text{Cosh} \left[ \frac{1}{2} \left( c + d \, x \right) \right] - \text{Sinh} \left[ \frac{1}{2} \left( c + d \, x \right) \right]}{\text{Cosh} \left[ \frac{1}{2} \left( c + d \, x \right) \right] - 2 \, \text{Sinh} \left[ \frac{1}{2} \left( c + d \, x \right) \right]} \right] + 118 \, i \, \text{ArcTan} \left[ \frac{\text{Cosh} \left[ \frac{1}{2} \left( c + d \, x \right) \right] + 2 \, \text{Sinh} \left[ \frac{1}{2} \left( c + d \, x \right) \right]}{2 \, \text{Cosh} \left[ \frac{1}{2} \left( c + d \, x \right) \right] + 3 \, \text{Sinh} \left[ \frac{1}{2} \left( c + d \, x \right) \right]} \right] - \frac{48}{48}$$

$$\frac{48}{\left( (1 + 2 \, i) \, \text{Cosh} \left[ \frac{1}{2} \left( c + d \, x \right) \right] - (2 + i) \, \text{Sinh} \left[ \frac{1}{2} \left( c + d \, x \right) \right] \right)^2} + \frac{48}{\left( (2 + i) \, \text{Cosh} \left[ \frac{1}{2} \left( c + d \, x \right) \right] + (1 + 2 \, i) \, \text{Sinh} \left[ \frac{1}{2} \left( c + d \, x \right) \right] \right)^2} - \frac{144 \, \text{Sinh} \left[ \frac{1}{2} \left( c + d \, x \right) \right] \left( -3 \, i \, \text{Cosh} \left[ \frac{1}{2} \left( c + d \, x \right) \right] + 5 \, \text{Sinh} \left[ \frac{1}{2} \left( c + d \, x \right) \right] \right)}{-5 \, i + 3 \, \text{Sinh}[c + d \, x]} \right)$$

Valid but unnecessarily complicated antiderivative:

$$\left\{ \frac{1}{(5+3 \, \mathrm{i} \, \mathrm{Sinh}[c+d\, x])^4}, \, x, \, 4, \, 0 \right\}$$

$$\frac{385 \, \mathrm{ArcTanh} \left[ \frac{1}{4} \left( 3 \, \mathrm{i} - 5 \, \mathrm{Tanh} \left[ \frac{1}{2} \, (c+d\, x) \, \right] \right) \right]}{16384 \, \mathrm{d}}$$

$$\frac{1}{16 \, \mathrm{d} \, (5+3 \, \mathrm{i} \, \mathrm{Sinh}[c+d\, x])^3} - \frac{25 \, \mathrm{i} \, \mathrm{Cosh}[c+d\, x]}{512 \, \mathrm{d} \, (5+3 \, \mathrm{i} \, \mathrm{Sinh}[c+d\, x])^2} - \frac{311 \, \mathrm{i} \, \mathrm{Cosh}[c+d\, x]}{8192 \, \mathrm{d} \, (5+3 \, \mathrm{i} \, \mathrm{Sinh}[c+d\, x])}$$

$$\frac{1}{327680 \, \mathrm{d}} \left[ -3850 \, \mathrm{i} \, \mathrm{ArcTan} \left[ \frac{2 \, \mathrm{Cosh} \left[ \frac{1}{2} \, (c+d\, x) \, \right] - \mathrm{Sinh} \left[ \frac{1}{2} \, (c+d\, x) \, \right]}{\mathrm{Cosh} \left[ \frac{1}{2} \, (c+d\, x) \, \right] - 2 \, \mathrm{Sinh} \left[ \frac{1}{2} \, (c+d\, x) \, \right]} \right] + 3850 \, \mathrm{i} \, \mathrm{ArcTan} \left[ \frac{\mathrm{Cosh} \left[ \frac{1}{2} \, (c+d\, x) \, \right] + 2 \, \mathrm{Sinh} \left[ \frac{1}{2} \, (c+d\, x) \, \right]}{2 \, \mathrm{Cosh} \left[ \frac{1}{2} \, (c+d\, x) \, \right] + \mathrm{Sinh} \left[ \frac{1}{2} \, (c+d\, x) \, \right]} \right] - \\ \frac{1925 \, \mathrm{Log} \left[ 5 \, \mathrm{Cosh} \left[ c+d\, x \, - 4 \, \mathrm{Sinh} \left[ c+d\, x \, \right] \right] + 1925 \, \mathrm{Log} \left[ 5 \, \mathrm{Cosh} \left[ c+d\, x \, \right] + 4 \, \mathrm{Sinh} \left[ c+d\, x \, \right] \right] + \\ \frac{2656 \, - \, 192 \, \mathrm{i}}{\left( (1+2 \, \mathrm{i}) \, \mathrm{Cosh} \left[ \frac{1}{2} \, (c+d\, x) \, \right] - (2+\mathrm{i}) \, \mathrm{Sinh} \left[ \frac{1}{2} \, (c+d\, x) \, \right] \right)^2} + \\ \frac{1}{\left( (2+\mathrm{i}) \, \mathrm{Cosh} \left[ \frac{1}{2} \, (c+d\, x) \, \right] + (1+2 \, \mathrm{i}) \, \mathrm{Sinh} \left[ \frac{1}{2} \, (c+d\, x) \, \right] \right)^2} + \\ \frac{1}{\left( (-5 \, \mathrm{i} + 3 \, \mathrm{Sinh}[c+d\, x])^3} \, 2 \, \left( -235 \, 150 + 1666 \, 15 \, \mathrm{Cosh} \left[ c+d\, x \, \right] + 82 \, 530 \, \mathrm{Cosh} \left[ 2 \, (c+d\, x) \, \right] + (1+2 \, \mathrm{i}) \, \mathrm{Sinh} \left[ \frac{1}{2} \, (c+d\, x) \, \right] \right)^2} + \\ \frac{1}{\left( (-5 \, \mathrm{i} + 3 \, \mathrm{Sinh}[c+d\, x])^3} \, 2 \, \left( -235 \, 150 + 1666 \, 15 \, \mathrm{Cosh} \left[ c+d\, x \, \right] + 82 \, 530 \, \mathrm{Cosh} \left[ 2 \, (c+d\, x) \, \right] + 8397 \, \mathrm{i} \, \mathrm{Sinh} \left[ 3 \, (c+d\, x) \, \right] \right)$$

$$\left\{ \sqrt{a + i \, a \, Sinh[c + d \, x]} , x, 1, 0 \right\}$$

$$\frac{2 \text{ i a } Cosh[c+dx]}{d\sqrt{a+i \text{ a } Sinh[c+dx]}}$$

$$\frac{2 \left(\text{i } Cosh\left[\frac{1}{2} \text{ } (c+dx)\right] + Sinh\left[\frac{1}{2} \text{ } (c+dx)\right]\right)\sqrt{a+i \text{ a } Sinh[c+dx]}}{d\left(Cosh\left[\frac{1}{2} \text{ } (c+dx)\right] + i \text{ } Sinh\left[\frac{1}{2} \text{ } (c+dx)\right]\right)}$$

$$\begin{cases} \frac{x}{a+b\sin \ln |x|}, x, 8, 8, 0 \\ \frac{x}{a+b\sin \ln |x|}, x, 8, 0, 0 \\ \frac{x}{\sqrt{a^2+b^2}}, x\log \left[1 + \frac{bx^4}{a \sqrt{a^2+b^2}}\right] + \frac{b^{2}}{\sqrt{a^2+b^2}}, \frac{b^{2}}{\sqrt{a$$

$$\left\{\frac{\mathbf{x}^2}{1+i\,\,\mathrm{Sinh}[\mathbf{x}]},\,\mathbf{x},\,6,\,0\right\}$$

$$\begin{split} x^2 - 4 \, x \, \text{Log} \Big[ 1 + e^{\frac{i \, \pi}{2} + x} \Big] - 4 \, \text{PolyLog} \Big[ 2 \, , \, -e^{\frac{i \, \pi}{2} + x} \Big] + i \, x^2 \, \text{Tan} \Big[ \frac{\pi}{4} - \frac{i \, x}{2} \Big] \\ & \frac{1}{1 + i \, \text{Sinh} [x]} \, 2 \, \left( \text{Cosh} \Big[ \frac{x}{2} \Big] + i \, \text{Sinh} \Big[ \frac{x}{2} \Big] \right) \\ & \left( \frac{1}{2 \, \sqrt{2}} \, \left( -i \, \sqrt{2} \, \pi \, x + 2 \, (-1)^{3/4} \, x^2 + 2 \, i \, \sqrt{2} \, (\pi + 2 \, i \, x) \, \text{Log} [1 - i \, e^{-x}] + 4 \, i \, \sqrt{2} \, \pi \, \text{Log} [1 + e^{x}] - 4 \, i \, \sqrt{2} \, \pi \, \text{Log} \Big[ \text{Cosh} \Big[ \frac{x}{2} \Big] \Big] - 2 \, i \, \sqrt{2} \, \pi \, \text{Log} \Big[ \text{Sin} \Big[ \frac{1}{4} \, (\pi + 2 \, i \, x) \, \Big] \Big] + 4 \, \sqrt{2} \, \, \text{PolyLog} [2 \, , \, i \, e^{-x}] \right) \, \left( \text{Cosh} \Big[ \frac{x}{2} \Big] + i \, \text{Sinh} \Big[ \frac{x}{2} \Big] \right) + x^2 \, \text{Sinh} \Big[ \frac{x}{2} \Big] \end{split}$$

$$\begin{split} & \left\{ \frac{x^2}{1-i\,\,\mathrm{Sinh}[\,x]} \,,\; x,\; 6,\; 0 \right\} \\ & -x^2 - 4\,x\,\mathrm{Log}\left[1 + \mathrm{e}^{\frac{\mathrm{i}\,\pi}{2} - x}\right] + 4\,\mathrm{PolyLog}\left[2\,,\; -\mathrm{e}^{\frac{\mathrm{i}\,\pi}{2} - x}\right] - \mathrm{i}\,\,x^2\,\,\mathrm{Tan}\left[\frac{\pi}{4} + \frac{\mathrm{i}\,\,x}{2}\right] \\ & \mathrm{i}\,\left[ -3\,\pi\,x - \left(1 - \mathrm{i}\right)\,x^2 - 2\,\pi\,\mathrm{Log}\left[1 + \mathrm{i}\,\,\mathrm{e}^{-x}\right] + 4\,\mathrm{i}\,x\,\mathrm{Log}\left[1 + \mathrm{i}\,\,\mathrm{e}^{-x}\right] + 4\,\pi\,\mathrm{Log}\left[1 + \mathrm{e}^{x}\right] + \\ & 2\,\pi\,\mathrm{Log}\left[ -\mathrm{Cos}\left[\frac{1}{4}\,\left(\pi + 2\,\mathrm{i}\,x\right)\,\right]\right] - 4\,\pi\,\mathrm{Log}\left[\mathrm{Cosh}\left[\frac{x}{2}\right]\right] - 4\,\mathrm{i}\,\,\mathrm{PolyLog}\left[2\,,\; -\mathrm{i}\,\,\mathrm{e}^{-x}\right] - \frac{2\,\mathrm{i}\,\,x^2\,\,\mathrm{Sinh}\left[\frac{x}{2}\right]}{\mathrm{Cosh}\left[\frac{x}{2}\right] - \mathrm{i}\,\,\mathrm{Sinh}\left[\frac{x}{2}\right]} \end{split}$$

Valid but unnecessarily complicated antiderivative:

$$\left\{ \frac{x}{(a+b \, Sinh[c+d \, x])^2}, \ x, \ 12, \ 0 \right\}$$

$$\frac{a \, x \, Log \left[ 1 + \frac{b \, e^{c \cdot d \, x}}{a \cdot \sqrt{a^2 \cdot b^2}} \right]}{(a^2 + b^2)^{3/2} \, d} - \frac{a \, x \, Log \left[ 1 + \frac{b \, e^{c \cdot d \, x}}{a \cdot \sqrt{a^2 \cdot b^2}} \right]}{(a^2 + b^2)^{3/2} \, d} + \frac{Log \left[ a + b \, Sinh[c+d \, x] \right]}{(a^2 + b^2) \, d^2} + \frac{a \, PolyLog \left[ 2, -\frac{b \, e^{c \cdot d \, x}}{a \cdot \sqrt{a^2 \cdot b^2}} \right]}{(a^2 + b^2)^{3/2} \, d^2} - \frac{b \, x \, Cosh[c+d \, x]}{(a^2 + b^2) \, d \, (a+b \, Sinh[c+d \, x])}$$

$$\frac{1}{d^2} \left( \frac{1}{\left( \left( a^2 + b^2 \right) \, e^{2\, c} \right)^{3/2} \, \left( -1 + e^{2\, c} \right)} \, e^{2\, c} \left( -2 \, d \, e^{2\, c} \, \sqrt{\left( a^2 + b^2 \right) \, e^{2\, c}} \, \, x - \sqrt{\left( a^2 + b^2 \right) \, e^{2\, c}} \, Log \left[ 2 \, a \, e^{c \cdot d \, x} + b \, \left( -1 + e^{2\, \left( c \cdot d \, x \right)} \right) \right] + e^{2\, c} \, \sqrt{\left( a^2 + b^2 \right) \, e^{2\, c}} \, Log \left[ 2 \, a \, e^{c \cdot d \, x} + b \, \left( -1 + e^{2\, \left( c \cdot d \, x \right)} \right) \right] + a \, d \, e^{2\, c} \, \sqrt{\left( a^2 + b^2 \right) \, e^{2\, c}} \, Log \left[ 2 \, a \, e^{c \cdot d \, x} + b \, \left( -1 + e^{2\, \left( c \cdot d \, x \right)} \right) \right] + a \, d \, e^{c} \, x \, Log \left[ 1 + \frac{b \, e^{2\, c \cdot d \, x}}{a \, e^{c} - \sqrt{\left( a^2 + b^2 \right) \, e^{2\, c}}} \right] + a \, d \, e^{c} \, x \, Log \left[ 1 + \frac{b \, e^{2\, c \cdot d \, x}}{a \, e^{c} + \sqrt{\left( a^2 + b^2 \right) \, e^{2\, c}}} \right] - a \, d \, e^{3\, c} \, x \, Log \left[ 1 + \frac{b \, e^{2\, c \cdot d \, x}}{a \, e^{c} - \sqrt{\left( a^2 + b^2 \right) \, e^{2\, c}}} \right] + a \, d^{c} \, x \, Log \left[ 1 + \frac{b \, e^{2\, c \cdot d \, x}}{a \, e^{c} + \sqrt{\left( a^2 + b^2 \right) \, e^{2\, c}}} \right] - a \, d^{c} \, x \, Log \left[ 1 + \frac{b \, e^{2\, c \cdot d \, x}}{a \, e^{c} - \sqrt{\left( a^2 + b^2 \right) \, e^{2\, c}}} \right] + a \, d^{c} \, \left( -1 + e^{2\, c} \right) \, PolyLog \left[ 2, -\frac{b \, e^{2\, c \cdot d \, x}}{a \, e^{c} - \sqrt{\left( a^2 + b^2 \right) \, e^{2\, c}}} \right] - a \, d^{c} \, \left( -1 + e^{2\, c} \right) \, PolyLog \left[ 2, -\frac{b \, e^{2\, c \cdot d \, x}}{a \, e^{c} + \sqrt{\left( a^2 + b^2 \right) \, e^{2\, c}}}} \right] + a \, d^{c} \, \left( -1 + e^{2\, c} \right) \, PolyLog \left[ 2, -\frac{b \, e^{2\, c \cdot d \, x}}{a \, e^{c} - \sqrt{\left( a^2 + b^2 \right) \, e^{2\, c}}}} \right] + a \, d^{c} \, \left( -1 + e^{2\, c} \right) \, PolyLog \left[ 2, -\frac{b \, e^{2\, c \cdot d \, x}}{a \, e^{c} - \sqrt{\left( a^2 + b^2 \right) \, e^{2\, c}}}} \right]$$

$$\left\{ \frac{e+fx}{(a+b\,\text{Sinh}[c+d\,x])^2}, x, 16, 0 \right\}$$

$$\begin{split} &\left\{\sqrt{a+i\;a\;Sinh[x]}\;\;,\;x,\;1,\;0\right\} \\ &\frac{2\;i\;a\;Cosh[x]}{\sqrt{a+i\;a\;Sinh[x]}} \\ &\frac{2\;\left(i\;Cosh\left[\frac{x}{2}\right]+Sinh\left[\frac{x}{2}\right]\right)\;\sqrt{a+i\;a\;Sinh[x]}}{Cosh\left[\frac{x}{2}\right]+i\;Sinh\left[\frac{x}{2}\right]} \end{split}$$

Valid but unnecessarily complicated antiderivative:

$$\begin{split} &\left\{\sqrt{a-i\,a\,Sinh[x]}\right.,\,x,\,1,\,0\right\} \\ &-\frac{2\,i\,a\,Cosh[x]}{\sqrt{a-i\,a\,Sinh[x]}} \\ &-\frac{2\,i\,\left(Cosh\left[\frac{x}{2}\right]+i\,Sinh\left[\frac{x}{2}\right]\right)\,\sqrt{a-i\,a\,Sinh[x]}}{Cosh\left[\frac{x}{2}\right]-i\,Sinh\left[\frac{x}{2}\right]} \end{split}$$

$$\left\{\sqrt{a+i \, a \, Sinh[c+d\,x]}, \, x, \, 1, \, 0\right\}$$

$$\frac{2 \text{ i a } Cosh[c+dx]}{d\sqrt{a+i \text{ a } Sinh[c+dx]}}$$

$$\frac{2 \left(\text{i } Cosh\left[\frac{1}{2} \text{ } (c+dx)\right] + Sinh\left[\frac{1}{2} \text{ } (c+dx)\right]\right)\sqrt{a+i \text{ a } Sinh[c+dx]}}{d\left(Cosh\left[\frac{1}{2} \text{ } (c+dx)\right] + i \text{ } Sinh\left[\frac{1}{2} \text{ } (c+dx)\right]\right)}$$

$$\left\{ \frac{x}{a + b \, Sinh[x]^2}, \, x, \, 9, \, 0 \right\} \\ \frac{x \, Log \left[ 1 + \frac{b \, e^{2x}}{2 \, a - 2 \, \sqrt{a} \, \sqrt{a \cdot b} - b} \right]}{2 \, \sqrt{a} \, \sqrt{a \cdot b}} - \frac{x \, Log \left[ 1 + \frac{b \, e^{2x}}{2 \, a \cdot 2 \, \sqrt{a} \, \sqrt{a \cdot b} - b} \right]}{2 \, \sqrt{a} \, \sqrt{a \cdot b}} + \frac{PolyLog \left[ 2, \, -\frac{b \, e^{2x}}{2 \, a \cdot 2 \, \sqrt{a} \, \sqrt{a \cdot b} - b} \right]}{4 \, \sqrt{a} \, \sqrt{a \cdot b}} - \frac{PolyLog \left[ 2, \, -\frac{b \, e^{2x}}{2 \, a \cdot 2 \, \sqrt{a} \, \sqrt{a \cdot b} - b} \right]}{4 \, \sqrt{a} \, \sqrt{a \cdot b}} - \frac{PolyLog \left[ 2, \, -\frac{b \, e^{2x}}{2 \, a \cdot 2 \, \sqrt{a} \, \sqrt{a \cdot b} - b} \right]}{4 \, \sqrt{a} \, \sqrt{a \cdot b}} - \frac{PolyLog \left[ 2, \, -\frac{b \, e^{2x}}{2 \, a \cdot 2 \, \sqrt{a} \, \sqrt{a \cdot b} - b} \right]}{4 \, \sqrt{a} \, \sqrt{a \cdot b}} - \frac{PolyLog \left[ 2, \, -\frac{b \, e^{2x}}{2 \, a \cdot 2 \, \sqrt{a} \, \sqrt{a \cdot b} - b} \right]}{4 \, \sqrt{a} \, \sqrt{a} \, \sqrt{a} \, \sqrt{a} \, - b} - \frac{PolyLog \left[ 2, \, -\frac{b \, e^{2x}}{2 \, a \cdot 2 \, \sqrt{a} \, \sqrt{a \cdot b} - b} \right]}{4 \, \sqrt{a} \, \sqrt{a} \, \sqrt{a} \, - b} - \frac{PolyLog \left[ 2, \, -\frac{b \, e^{2x}}{2 \, a \cdot 2 \, \sqrt{a} \, \sqrt{a \cdot b} - b} \right]}{4 \, \sqrt{a} \, \sqrt{a} \, - b} - \frac{PolyLog \left[ 2, \, -\frac{b \, e^{2x}}{2 \, a \cdot 2 \, \sqrt{a} \, \sqrt{a \cdot b} - b} \right]}{4 \, \sqrt{a} \, \sqrt{a} \, - b} - \frac{PolyLog \left[ 2, \, -\frac{b \, e^{2x}}{2 \, a \cdot 2 \, \sqrt{a} \, \sqrt{a \cdot b} - b} \right]}{4 \, \sqrt{a} \, \sqrt{a} \, - b} - \frac{PolyLog \left[ 2, \, -\frac{b \, e^{2x}}{2 \, a \cdot 2 \, a} \, -\frac{b \, e^{2x}}{2 \, a \cdot 2 \, a} \right]}{4 \, \sqrt{a} \, \sqrt{a} \, - b} - \frac{PolyLog \left[ 2, \, -\frac{b \, e^{2x}}{2 \, a \cdot 2 \, a} \, -\frac{b \, e^{2x}}{2 \, a \cdot 2 \, a} \right]}{4 \, \sqrt{a} \, \sqrt{a} \, - b} - \frac{PolyLog \left[ 2, \, -\frac{b \, e^{2x}}{2 \, a \cdot 2 \, a} \, -\frac{b \, e^{2x}}{2 \, a \cdot 2 \, a} \right]}{4 \, \sqrt{a} \, \sqrt{a} \, - b} - \frac{PolyLog \left[ 2, \, -\frac{b \, e^{2x}}{2 \, a \cdot 2 \, a} \, -\frac{b \, e^{2x}}{2 \, a \cdot 2 \, a} \, -\frac{b \, e^{2x}}{2 \, a \cdot 2 \, a} \right]}{4 \, \sqrt{a} \, \sqrt{a} \, - b} - \frac{PolyLog \left[ 2, \, -\frac{b \, e^{2x}}{2 \, a \cdot 2 \, a} \, -\frac{b \, e^{2x}}{2 \, a \cdot 2 \, a} \, -\frac{b \, e^{2x}}{2 \, a \cdot 2 \, a} \, -\frac{b \, e^{2x}}{2 \, a} \, -\frac{b$$

Valid but unnecessarily complicated antiderivative:

$$\left\{ \frac{1}{a + b \, \text{Sinh} \left[x\right]^3}, \, x, \, 7, \, 0 \right\} \\ = \frac{2 \, \text{ArcTanh} \left[ \frac{b^{1/3} - a^{1/3} \, \text{Tanh} \left[\frac{x}{2}\right]}{\sqrt{a^{2/3} + b^{2/3}}} \right]}{3 \, a^{2/3} \, \sqrt{a^{2/3} + b^{2/3}}} - \frac{2 \, \text{ArcTanh} \left[ \frac{(-1)^{2/3} \, b^{1/3} - a^{1/3} \, \text{Tanh} \left[\frac{x}{2}\right]}{\sqrt{a^{2/3} - (-1)^{1/3} \, b^{2/3}}} \right]}{3 \, a^{2/3} \, \sqrt{a^{2/3} - (-1)^{1/3} \, b^{2/3}}} + \frac{2 \, \text{ArcTanh} \left[ \frac{(-1)^{1/3} \, b^{1/3} + a^{1/3} \, \text{Tanh} \left[\frac{x}{2}\right]}{\sqrt{a^{2/3} + (-1)^{2/3} \, b^{2/3}}} \right]}{3 \, a^{2/3} \, \sqrt{a^{2/3} - (-1)^{1/3} \, b^{2/3}}} + \frac{2 \, \text{ArcTanh} \left[ \frac{(-1)^{1/3} \, b^{1/3} + a^{1/3} \, \text{Tanh} \left[\frac{x}{2}\right]}{\sqrt{a^{2/3} + (-1)^{2/3} \, b^{2/3}}} \right]}{3 \, a^{2/3} \, \sqrt{a^{2/3} + (-1)^{2/3} \, b^{2/3}}} \\ \frac{2}{3} \, \text{RootSum} \left[ -b + 3 \, b \, \text{H} \, 1^2 + 8 \, a \, \text{H} \, 1^3 - 3 \, b \, \text{H} \, 1^4 + b \, \text{H} \, 1^6 \, \& , \\ \frac{x \, \text{H} \, 1 + 2 \, \text{Log} \left[ -\text{Cosh} \left[\frac{x}{2}\right] - \text{Sinh} \left[\frac{x}{2}\right] + \text{Cosh} \left[\frac{x}{2}\right] \, \text{H} \, 1 - \text{Sinh} \left[\frac{x}{2}\right] \, \text{H} \, 1}{b + 4 \, a \, \text{H} \, 1 - 2 \, b \, \text{H} \, 1^2 + b \, \text{H} \, 1^4} \right]} \, \& \right]$$

$$\left\{ \frac{1}{a + b \, Sinh[x]^{5}}, x, 11, 0 \right\}$$

$$\frac{2 \operatorname{ArcTanh} \Big[ \frac{b^{1/5} - a^{1/5} \operatorname{Tanh} \Big[ \frac{x}{2} \Big]}{\sqrt{a^{2/5} + b^{2/5}}} \Big] }{5 \ a^{4/5} \sqrt{a^{2/5} + b^{2/5}}} - \frac{2 \operatorname{ArcTanh} \Big[ \frac{(-1)^{2/5} b^{1/5} - a^{1/5} \operatorname{Tanh} \Big[ \frac{x}{2} \Big]}{\sqrt{a^{2/5} + (-1)^{4/5} b^{2/5}}} \Big] }{5 \ a^{4/5} \sqrt{a^{2/5} + (-1)^{3/5} b^{1/5} - a^{1/5} b^{2/5}}} - \frac{2 \operatorname{ArcTanh} \Big[ \frac{(-1)^{4/5} b^{1/5} - a^{1/5} \operatorname{Tanh} \Big[ \frac{x}{2} \Big]}{\sqrt{a^{2/5} - (-1)^{3/5} b^{2/5}}} \Big] }{5 \ a^{4/5} \sqrt{a^{2/5} - (-1)^{3/5} b^{2/5}}} + \frac{2 \operatorname{ArcTanh} \Big[ \frac{(-1)^{1/5} b^{1/5} + a^{1/5} \operatorname{Tanh} \Big[ \frac{x}{2} \Big]}{\sqrt{a^{2/5} + (-1)^{2/5} b^{2/5}}} \Big] }{5 \ a^{4/5} \sqrt{a^{2/5} - (-1)^{3/5} b^{2/5}}} + \frac{2 \operatorname{ArcTanh} \Big[ \frac{(-1)^{1/5} b^{1/5} + a^{1/5} \operatorname{Tanh} \Big[ \frac{x}{2} \Big]}{\sqrt{a^{2/5} + (-1)^{2/5} b^{2/5}}} \Big] }{5 \ a^{4/5} \sqrt{a^{2/5} - (-1)^{3/5} b^{2/5}}} + \frac{2 \operatorname{ArcTanh} \Big[ \frac{(-1)^{3/5} b^{1/5} + a^{1/5} \operatorname{Tanh} \Big[ \frac{x}{2} \Big]}{\sqrt{a^{2/5} - (-1)^{1/5} b^{2/5}}} \Big] }{5 \ a^{4/5} \sqrt{a^{2/5} - (-1)^{1/5} b^{2/5}}}$$

Valid but unnecessarily complicated antiderivative:

$$\begin{split} & \left\{ \frac{1}{a + b \, \text{Sinh} \left[ \mathbf{x} \right]^6} \,, \, \, \mathbf{x}, \, \, 10 \,, \, 0 \right\} \\ & \frac{\text{ArcTanh} \left[ \frac{a^{1/6} \, \text{Coth} \left[ \mathbf{x} \right]}{\sqrt{a^{1/3} - b^{1/3}}} \right]}{3 \, a^{5/6} \, \sqrt{a^{1/3} - b^{1/3}}} \, + \, \frac{\text{ArcTanh} \left[ \frac{a^{1/6} \, \text{Coth} \left[ \mathbf{x} \right]}{\sqrt{a^{1/3} + (-1)^{1/3} \, b^{1/3}}} \right]}{3 \, a^{5/6} \, \sqrt{a^{1/3} + \left( -1 \right)^{1/3} \, b^{1/3}}} \, + \, \frac{\text{ArcTanh} \left[ \frac{a^{1/6} \, \text{Coth} \left[ \mathbf{x} \right]}{\sqrt{a^{1/3} - (-1)^{2/3} \, b^{1/3}}} \right]}{3 \, a^{5/6} \, \sqrt{a^{1/3} - \left( -1 \right)^{2/3} \, b^{1/3}}} \\ & \frac{16}{3} \, \text{RootSum} \left[ b - 6 \, b \, \sharp 1 + 15 \, b \, \sharp 1^2 + 64 \, a \, \sharp 1^3 - 20 \, b \, \sharp 1^3 + 15 \, b \, \sharp 1^4 - 6 \, b \, \sharp 1^5 + b \, \sharp 1^6 \, \& \, \chi \right]}{a^{2/6} \, \sqrt{a^{2/3} - \left( -1 \right)^{2/3} \, b^{2/3}}} \\ & \frac{x \, \sharp 1^2 + \text{Log} \left[ -\text{Cosh} \left[ \mathbf{x} \right] - \text{Sinh} \left[ \mathbf{x} \right] + \text{Cosh} \left[ \mathbf{x} \right] \, \sharp 1 - \text{Sinh} \left[ \mathbf{x} \right] \, \sharp 1 \right] \, \sharp 1^2}{-b + 5 \, b \, \sharp 1 + 32 \, a \, \sharp 1^2 - 10 \, b \, \sharp 1^2 + 10 \, b \, \sharp 1^3 - 5 \, b \, \sharp 1^4 + b \, \sharp 1^5} \, \& \end{split}$$

Valid but unnecessarily complicated antiderivative:

$$\left\{ \frac{1}{\mathsf{a} + \mathsf{b} \, \mathsf{Sinh}[\mathtt{x}]^8}, \, \, \mathsf{x}, \, 13, \, 0 \right\} \\ \frac{\mathsf{ArcTanh}\Big[\frac{(-\mathsf{a})^{1/8} \, \mathsf{Coth}[\mathtt{x}]}{\sqrt{(-\mathsf{a})^{1/4} - \mathsf{b}^{1/4}}}\Big]}{4 \, \, (-\mathsf{a})^{\frac{7}{8}} \, \sqrt{(-\mathsf{a})^{\frac{1}{4}} - \mathsf{b}^{1/4}}} - \frac{\mathsf{ArcTanh}\Big[\frac{(-\mathsf{a})^{\frac{1}{8}} \, \mathsf{Coth}[\mathtt{x}]}{\sqrt{(-\mathsf{a})^{\frac{1}{4}} - \mathsf{b}^{1/4}}}\Big]}{4 \, \, (-\mathsf{a})^{\frac{7}{8}} \, \sqrt{(-\mathsf{a})^{\frac{1}{4}} - \mathsf{b}^{1/4}}} - \frac{\mathsf{ArcTanh}\Big[\frac{(-\mathsf{a})^{\frac{1}{8}} \, \mathsf{Coth}[\mathtt{x}]}{\sqrt{(-\mathsf{a})^{\frac{1}{4}} + \mathsf{b}^{1/4}}}\Big]}{4 \, \, (-\mathsf{a})^{\frac{7}{8}} \, \sqrt{(-\mathsf{a})^{\frac{1}{4}} - \mathsf{b}^{1/4}}} - \frac{\mathsf{ArcTanh}\Big[\frac{(-\mathsf{a})^{\frac{1}{8}} \, \mathsf{Coth}[\mathtt{x}]}{\sqrt{(-\mathsf{a})^{\frac{1}{4}} + \mathsf{b}^{1/4}}}\Big]}{4 \, \, (-\mathsf{a})^{\frac{7}{8}} \, \sqrt{(-\mathsf{a})^{\frac{1}{4}} + \mathsf{b}^{1/4}}} - \frac{\mathsf{ArcTanh}\Big[\frac{(-\mathsf{a})^{\frac{1}{8}} \, \mathsf{Coth}[\mathtt{x}]}{\sqrt{(-\mathsf{a})^{\frac{1}{4}} + \mathsf{b}^{1/4}}}\Big]}{4 \, \, (-\mathsf{a})^{\frac{7}{8}} \, \sqrt{(-\mathsf{a})^{\frac{1}{4}} + \mathsf{b}^{1/4}}} - \frac{\mathsf{ArcTanh}\Big[\frac{(-\mathsf{a})^{\frac{1}{8}} \, \mathsf{Coth}[\mathtt{x}]}{\sqrt{(-\mathsf{a})^{\frac{1}{4}} + \mathsf{b}^{1/4}}}\Big]}{4 \, \, (-\mathsf{a})^{\frac{7}{8}} \, \sqrt{(-\mathsf{a})^{\frac{1}{4}} + \mathsf{b}^{1/4}}} - \frac{\mathsf{ArcTanh}\Big[\frac{(-\mathsf{a})^{\frac{1}{8}} \, \mathsf{Coth}[\mathtt{x}]}{\sqrt{(-\mathsf{a})^{\frac{1}{4}} + \mathsf{b}^{1/4}}}\Big]}{4 \, \, (-\mathsf{a})^{\frac{7}{8}} \, \sqrt{(-\mathsf{a})^{\frac{1}{4}} + \mathsf{b}^{1/4}}} - \frac{\mathsf{ArcTanh}\Big[\frac{(-\mathsf{a})^{\frac{1}{8}} \, \mathsf{Coth}[\mathtt{x}]}{\sqrt{(-\mathsf{a})^{\frac{1}{4}} + \mathsf{b}^{1/4}}}\Big]}{4 \, \, (-\mathsf{a})^{\frac{7}{8}} \, \sqrt{(-\mathsf{a})^{\frac{1}{4}} + \mathsf{b}^{1/4}}} - \frac{\mathsf{ArcTanh}\Big[\frac{(-\mathsf{a})^{\frac{1}{8}} \, \mathsf{Coth}[\mathtt{x}]}{\sqrt{(-\mathsf{a})^{\frac{1}{4}} + \mathsf{b}^{1/4}}}\Big]}{4 \, \, (-\mathsf{a})^{\frac{7}{8}} \, \sqrt{(-\mathsf{a})^{\frac{1}{4}} + \mathsf{b}^{1/4}}} - \frac{\mathsf{ArcTanh}\Big[\frac{(-\mathsf{a})^{\frac{1}{8}} \, \mathsf{Coth}[\mathtt{x}]}{\sqrt{(-\mathsf{a})^{\frac{1}{4}} + \mathsf{b}^{1/4}}}\Big]}{4 \, \, (-\mathsf{a})^{\frac{7}{8}} \, \sqrt{(-\mathsf{a})^{\frac{1}{4}} + \mathsf{b}^{1/4}}} - \frac{\mathsf{ArcTanh}\Big[\frac{(-\mathsf{a})^{\frac{1}{8}} \, \mathsf{Coth}[\mathtt{x}]}{\sqrt{(-\mathsf{a})^{\frac{1}{4}} + \mathsf{b}^{1/4}}}\Big]}{4 \, \, (-\mathsf{a})^{\frac{7}{8}} \, \sqrt{(-\mathsf{a})^{\frac{1}{4}} + \mathsf{b}^{1/4}}} - \frac{\mathsf{ArcTanh}\Big[\frac{(-\mathsf{a})^{\frac{1}{8}} \, \mathsf{Coth}[\mathtt{x}]}{\sqrt{(-\mathsf{a})^{\frac{1}{4}} + \mathsf{b}^{1/4}}}\Big]}{4 \, \, (-\mathsf{a})^{\frac{7}{8}} \, \sqrt{(-\mathsf{a})^{\frac{1}{4}} + \mathsf{b}^{1/4}}} - \frac{\mathsf{ArcTanh}\Big[\frac{(-\mathsf{a})^{\frac{1}{8}} \, \mathsf{Coth}[\mathtt{x}]}{\sqrt{(-\mathsf{a})^{\frac{1}{4}} + \mathsf{b}^{1/4}}} - \frac{\mathsf{arcTanh}\Big[\frac{(-\mathsf{a})^{\frac{1}{4}} \, \mathsf{arcTanh}\Big[\frac{(-\mathsf{a})^{\frac{1}{4}} \, \mathsf{ar$$

Valid but unnecessarily complicated antiderivative:

$$\left\{ \frac{1}{a-b \, \text{Sinh}[\textbf{x}]^3}, \, \textbf{x}, \, 7, \, 0 \right\} \\ - \frac{2 \, \text{ArcTanh} \Big[ \frac{(-1)^{1/3} \, b^{1/3} - a^{1/3} \, \text{Tanh} \Big[ \frac{\textbf{x}}{2} \Big]}{\sqrt{a^{2/3} + (-1)^{2/3} \, b^{2/3}}} + \frac{2 \, \text{ArcTanh} \Big[ \frac{b^{1/3} + a^{1/3} \, \text{Tanh} \Big[ \frac{\textbf{x}}{2} \Big]}{\sqrt{a^{2/3} + b^{2/3}}} \Big] + \frac{2 \, \text{ArcTanh} \Big[ \frac{b^{1/3} + a^{1/3} \, \text{Tanh} \Big[ \frac{\textbf{x}}{2} \Big]}{\sqrt{a^{2/3} + b^{2/3}}} \Big] }{3 \, a^{2/3} \, \sqrt{a^{2/3} + (-1)^{2/3} \, b^{2/3}}} + \frac{2 \, \text{ArcTanh} \Big[ \frac{(-1)^{2/3} \, b^{1/3} + a^{1/3} \, \text{Tanh} \Big[ \frac{\textbf{x}}{2} \Big]}{\sqrt{a^{2/3} - (-1)^{1/3} \, b^{2/3}}} \Big] }{3 \, a^{2/3} \, \sqrt{a^{2/3} - (-1)^{1/3} \, b^{2/3}}} \\ - \frac{2}{3} \, \text{RootSum} \Big[ -b + 3 \, b \, \text{H}1^2 - 8 \, a \, \text{H}1^3 - 3 \, b \, \text{H}1^4 + b \, \text{H}1^6} \, \& , \quad \frac{\textbf{x} \, \text{H}1 + 2 \, \text{Log} \Big[ -\text{Cosh} \Big[ \frac{\textbf{x}}{2} \Big] - \text{Sinh} \Big[ \frac{\textbf{x}}{2} \Big] + \text{Cosh} \Big[ \frac{\textbf{x}}{2} \Big] \, \text{H}1 - \text{Sinh} \Big[ \frac{\textbf{x}}{2} \Big] \, \text{H}1 \Big] \, \text{H}1}}{b - 4 \, a \, \text{H}1 - 2 \, b \, \text{H}1^2 + b \, \text{H}1^4}} \, \& \Big[ \frac{1}{a} \, \frac{1}$$

$$\left\{ \frac{1}{a-b \, \text{Sinh} \left[x\right]^5}, \, x, \, 11, \, 0 \right\} \\ = \frac{2 \, \text{ArcTanh} \left[ \frac{(-1)^{1/5} \, \text{b}^{1/5} - \text{a}^{1/5} \, \text{Tanh} \left[\frac{x}{2}\right]}{\sqrt{a^{2/5} + (-1)^{2/5} \, b^{2/5}}} \right] - \frac{2 \, \text{ArcTanh} \left[ \frac{(-1)^{3/5} \, \text{b}^{1/5} - \text{a}^{1/5} \, \text{Tanh} \left[\frac{x}{2}\right]}{\sqrt{a^{2/5} - (-1)^{1/5} \, b^{2/5}}} \right] + \frac{2 \, \text{ArcTanh} \left[ \frac{(-1)^{2/5} \, \text{b}^{1/5} - \text{a}^{1/5} \, \text{Tanh} \left[\frac{x}{2}\right]}{\sqrt{a^{2/5} + (-1)^{1/5} \, b^{2/5}}} + \frac{2 \, \text{ArcTanh} \left[ \frac{(-1)^{2/5} \, \text{b}^{1/5} + \text{a}^{1/5} \, \text{Tanh} \left[\frac{x}{2}\right]}{\sqrt{a^{2/5} + (-1)^{4/5} \, b^{2/5}}} \right] + \frac{2 \, \text{ArcTanh} \left[ \frac{(-1)^{2/5} \, \text{b}^{1/5} + \text{a}^{1/5} \, \text{Tanh} \left[\frac{x}{2}\right]}{\sqrt{a^{2/5} + (-1)^{4/5} \, b^{2/5}}} + \frac{2 \, \text{ArcTanh} \left[ \frac{(-1)^{4/5} \, \text{b}^{1/5} + \text{a}^{1/5} \, \text{Tanh} \left[\frac{x}{2}\right]}{\sqrt{a^{2/5} - (-1)^{3/5} \, b^{2/5}}} \right] + \frac{2 \, \text{ArcTanh} \left[ \frac{(-1)^{4/5} \, \text{b}^{1/5} + \text{a}^{1/5} \, \text{Tanh} \left[\frac{x}{2}\right]}{\sqrt{a^{2/5} - (-1)^{3/5} \, b^{2/5}}} \right] - \frac{8}{5 \, \text{RootSum} \left[ -b + 5 \, \text{b} \, \text{tt}^2 - 10 \, \text{b} \, \text{tt}^4 - 32 \, \text{a} \, \text{tt}^5 + 10 \, \text{b} \, \text{tt}^6 - 5 \, \text{b} \, \text{tt}^8 + \text{b} \, \text{tt}^{10} \, \text{\&}}, \\ \frac{x \, \text{tt}^3 + 2 \, \text{Log} \left[ -\text{Cosh} \left[ \frac{x}{2} \right] - \text{Sinh} \left[ \frac{x}{2} \right] + \text{Cosh} \left[ \frac{x}{2} \right] \, \text{tt} - \text{Sinh} \left[ \frac{x}{2} \right] \, \text{tt} \right] \, \text{tt}^3}{b - 4 \, \text{b} \, \text{tt}^2 - 16 \, \text{a} \, \text{tt}^3 + 6 \, \text{b} \, \text{tt}^4 - 4 \, \text{b} \, \text{tt}^6 + b \, \text{tt}^8}$$

Valid but unnecessarily complicated antiderivative:

$$\begin{split} & \left\{ \frac{1}{a - b \, Sinh\left[x\right]^{6}}, \, \, x, \, \, 10 \, , \, \, 0 \right\} \\ & \frac{ArcTanh\left[\frac{a^{1/6} \, Coth\left[x\right]}{\sqrt{a^{1/3} + b^{1/3}}}\right]}{3 \, a^{5/6} \, \sqrt{a^{1/3} + b^{1/3}}} + \frac{ArcTanh\left[\frac{a^{1/6} \, Coth\left[x\right]}{\sqrt{a^{1/3} - (-1)^{1/3} \, b^{1/3}}}\right]}{3 \, a^{5/6} \, \sqrt{a^{1/3} + b^{1/3}}} + \frac{ArcTanh\left[\frac{a^{1/6} \, Coth\left[x\right]}{\sqrt{a^{1/3} - (-1)^{1/3} \, b^{1/3}}}\right]}{3 \, a^{5/6} \, \sqrt{a^{1/3} + (-1)^{2/3} \, b^{1/3}}} \\ & - \frac{16}{3} \, RootSum\left[b - 6 \, b \, \sharp 1 + 15 \, b \, \sharp 1^2 - 64 \, a \, \sharp 1^3 - 20 \, b \, \sharp 1^3 + 15 \, b \, \sharp 1^4 - 6 \, b \, \sharp 1^5 + b \, \sharp 1^6 \, \&, \\ & \frac{x \, \sharp 1^2 + Log\left[-Cosh\left[x\right] - Sinh\left[x\right] + Cosh\left[x\right] \, \sharp 1 - Sinh\left[x\right] \, \sharp 1\right] \, \sharp 1^2}{-b + 5 \, b \, \sharp 1 - 32 \, a \, \sharp 1^2 - 10 \, b \, \sharp 1^2 + 10 \, b \, \sharp 1^3 - 5 \, b \, \sharp 1^4 + b \, \sharp 1^5} \, \& \right] \end{split}$$

Valid but unnecessarily complicated antiderivative:

$$\begin{split} &\left\{\frac{1}{a-b\, Sinh\left[x\right]^{8}},\,\,x,\,\,13,\,\,0\right\} \\ &\frac{ArcTanh\left[\frac{a^{1/8}\, Coth\left[x\right]}{\sqrt{a^{1/4}-b^{1/4}}}\right]}{4\,\,a^{7/8}\,\sqrt{a^{1/4}-b^{1/4}}} + \frac{ArcTanh\left[\frac{a^{1/8}\, Coth\left[x\right]}{\sqrt{a^{1/4}-i\,b^{1/4}}}\right]}{4\,\,a^{7/8}\,\sqrt{a^{1/4}-i\,b^{1/4}}} + \frac{ArcTanh\left[\frac{a^{1/8}\, Coth\left[x\right]}{\sqrt{a^{1/4}+i\,b^{1/4}}}\right]}{4\,\,a^{7/8}\,\sqrt{a^{1/4}-i\,b^{1/4}}} + \frac{ArcTanh\left[\frac{a^{1/8}\, Coth\left[x\right]}{\sqrt{a^{1/4}+i\,b^{1/4}}}\right]}{4\,\,a^{7/8}\,\sqrt{a^{1/4}+i\,b^{1/4}}} + \frac{ArcTanh\left[\frac{a^{1/8}\, Coth\left[x\right]}{\sqrt{a^{1/4}+b^{1/4}}}\right]}{4\,\,a^{7/8}\,\sqrt{a^{1/4}+b^{1/4}}} + \frac{ArcTanh\left[\frac{a^{1/8}\, Coth$$

$$\begin{split} & \left\{ \frac{1}{1 + \text{Sinh}[\textbf{x}]^5}, \, \textbf{x}, \, \textbf{8}, \, \textbf{0} \right\} \\ & -\frac{1}{5} \sqrt{2} \, \operatorname{ArcTanh} \Big[ \frac{1 - \operatorname{Tanh} \Big[ \frac{\textbf{x}}{2} \Big]}{\sqrt{2}} \Big] - \frac{2 \, \operatorname{ArcTanh} \Big[ \frac{(-1)^{2/5} - \operatorname{Tanh} \Big[ \frac{\textbf{x}}{2} \Big]}{\sqrt{1 + (-1)^{4/5}}} \Big]}{5 \, \sqrt{1 + (-1)^{4/5}}} - \\ & \frac{2 \, \operatorname{ArcTanh} \Big[ \frac{(-1)^{4/5} - \operatorname{Tanh} \Big[ \frac{\textbf{x}}{2} \Big]}{\sqrt{1 - (-1)^{3/5}}} \Big]}{5 \, \sqrt{1 - (-1)^{3/5}}} + \frac{2 \, \operatorname{ArcTanh} \Big[ \frac{(-1)^{1/5} + \operatorname{Tanh} \Big[ \frac{\textbf{x}}{2} \Big]}{\sqrt{1 + (-1)^{2/5}}} \Big]}{5 \, \sqrt{1 - (-1)^{1/5}}} + \frac{2 \, \operatorname{ArcTanh} \Big[ \frac{(-1)^{3/5} + \operatorname{Tanh} \Big[ \frac{\textbf{x}}{2} \Big]}{\sqrt{1 - (-1)^{1/5}}} \Big]}{5 \, \sqrt{1 - (-1)^{1/5}}} \end{split}$$

$$\frac{1}{10} \left[ 2\sqrt{2} \operatorname{ArcTanh} \left[ \frac{-1 + \operatorname{Tanh} \left[ \frac{x}{2} \right]}{\sqrt{2}} \right] - \operatorname{RootSum} \left[ 1 + 2 \pm 1 + 2 \pm 1^3 + 14 \pm 1^4 - 2 \pm 1^5 - 2 \pm 1^7 + \pm 1^8 \right] \right]$$

$$\frac{1}{1 + 3 \pm 1^2 + 28 \pm 1^3 - 5 \pm 1^4 - 7 \pm 1^6 + 4 \pm 1^7} \left( -x - 2 \operatorname{Log} \left[ -\operatorname{Cosh} \left[ \frac{x}{2} \right] - \operatorname{Sinh} \left[ \frac{x}{2} \right] + \operatorname{Cosh} \left[ \frac{x}{2} \right] \pm 1 - \operatorname{Sinh} \left[ \frac{x}{2} \right] \right] \right]$$

$$4 \times \pm 1 - 8 \operatorname{Log} \left[ -\operatorname{Cosh} \left[ \frac{x}{2} \right] - \operatorname{Sinh} \left[ \frac{x}{2} \right] + \operatorname{Cosh} \left[ \frac{x}{2} \right] \pm 1 - \operatorname{Sinh} \left[ \frac{x}{2} \right] \pm 1 \right] \pm 1 - 9 \times \pm 1^2 - 18 \operatorname{Log} \left[ -\operatorname{Cosh} \left[ \frac{x}{2} \right] - \operatorname{Sinh} \left[ \frac{x}{2} \right] + \operatorname{Cosh} \left[ \frac{x}{2} \right] \pm 1 - \operatorname{Sinh} \left[ \frac{x}{2} \right] \pm 1 \right] \pm 1^2 - 24 \times \pm 1^3 - 18 \operatorname{Log} \left[ -\operatorname{Cosh} \left[ \frac{x}{2} \right] - \operatorname{Sinh} \left[ \frac{x}{2} \right] + \operatorname{Cosh} \left[ \frac{x}{2} \right] \pm 1 - \operatorname{Sinh} \left[ \frac{x}{2} \right] \pm 1 \right] \pm 1^3 + 9 \times \pm 1^4 + 18 \operatorname{Log} \left[ -\operatorname{Cosh} \left[ \frac{x}{2} \right] - \operatorname{Sinh} \left[ \frac{x}{2} \right] + \operatorname{Cosh} \left[ \frac{x}{2} \right] \pm 1 - \operatorname{Sinh} \left[ \frac{x}{2} \right] \pm 1 \right] \pm 1^4 - 4 \times \pm 1^5 - 18 \operatorname{Log} \left[ -\operatorname{Cosh} \left[ \frac{x}{2} \right] - \operatorname{Sinh} \left[ \frac{x}{2} \right] + \operatorname{Cosh} \left[ \frac{x}{2} \right] \pm 1 - \operatorname{Sinh} \left[ \frac{x}{2} \right] \pm 1 \right] \pm 1^5 + x \pm 1^6 + 18 \operatorname{Log} \left[ -\operatorname{Cosh} \left[ \frac{x}{2} \right] - \operatorname{Sinh} \left[ \frac{x}{2} \right] + \operatorname{Cosh} \left[ \frac{x}{2} \right] \pm 1 - \operatorname{Sinh} \left[ \frac{x}{2} \right] \pm 1 \right] \pm 1^6 \right]$$

$$2 \operatorname{Log} \left[ -\operatorname{Cosh} \left[ \frac{x}{2} \right] - \operatorname{Sinh} \left[ \frac{x}{2} \right] + \operatorname{Cosh} \left[ \frac{x}{2} \right] \pm 1 - \operatorname{Sinh} \left[ \frac{x}{2} \right] \pm 1 \right] \pm 1^6 \right]$$

Valid but unnecessarily complicated antiderivative:

$$\begin{split} & \left\{ \frac{1}{1+\text{Sinh}[\textbf{x}]^8},\,\textbf{x},\,13\,,\,0 \right\} \\ & \frac{\text{ArcTanh}\Big[\frac{\text{Coth}[\textbf{x}]}{\sqrt{1-(-1)^{1/4}}}\Big]}{4\,\sqrt{1-(-1)^{1/4}}} + \frac{\text{ArcTanh}\Big[\frac{\text{Coth}[\textbf{x}]}{\sqrt{1+(-1)^{1/4}}}\Big]}{4\,\sqrt{1-(-1)^{3/4}}} + \frac{\text{ArcTanh}\Big[\frac{\text{Coth}[\textbf{x}]}{\sqrt{1-(-1)^{3/4}}}\Big]}{4\,\sqrt{1-(-1)^{3/4}}} + \frac{\text{ArcTanh}\Big[\frac{\text{Coth}[\textbf{x}]}{\sqrt{1-(-1)^{3/4}}}\Big]}{4\,\sqrt{1-(-1)^{3/4}}} + \frac{\text{ArcTanh}\Big[\frac{\text{Coth}[\textbf{x}]}{\sqrt{1+(-1)^{3/4}}}\Big]}{4\,\sqrt{1+(-1)^{3/4}}} + \frac{\text{ArcTanh}\Big[\frac{\text{Coth}[\textbf{x}]}{\sqrt{1+(-1)^{3/4}}}\Big$$

$$\left\{ \frac{1}{1-\text{Sinh}\left[x\right]^{5}}, \, x, \, 8, \, 0 \right\}$$

$$-\frac{2 \, \text{ArcTanh}\left[\frac{\left(-1\right)^{1/5}-\text{Tanh}\left[\frac{x}{2}\right]}{\sqrt{1+\left(-1\right)^{2/5}}}\right]}{5 \, \sqrt{1+\left(-1\right)^{2/5}}} - \frac{2 \, \text{ArcTanh}\left[\frac{\left(-1\right)^{3/5}-\text{Tanh}\left[\frac{x}{2}\right]}{\sqrt{1-\left(-1\right)^{1/5}}}\right]}{5 \, \sqrt{1-\left(-1\right)^{1/5}}} + \frac{1}{5 \, \sqrt{1-\left(-1\right)^{3/5}}} + \frac{2 \, \text{ArcTanh}\left[\frac{x}{2}\right]}{\sqrt{1+\left(-1\right)^{4/5}}}\right] + \frac{2 \, \text{ArcTanh}\left[\frac{\left(-1\right)^{4/5}+\text{Tanh}\left[\frac{x}{2}\right]}{\sqrt{1-\left(-1\right)^{3/5}}}\right]}{5 \, \sqrt{1+\left(-1\right)^{4/5}}} + \frac{2 \, \text{ArcTanh}\left[\frac{\left(-1\right)^{4/5}+\text{Tanh}\left[\frac{x}{2}\right]}{\sqrt{1-\left(-1\right)^{3/5}}}\right]}{5 \, \sqrt{1-\left(-1\right)^{3/5}}} + \frac{2 \, \text{ArcTanh}\left[\frac{\left(-1\right)^{4/5}+\text{Tanh}\left[\frac{x}{2}\right]}{\sqrt{1-\left(-1\right)^{3/5}}}\right]}$$

$$\frac{1}{10} \left( 2\sqrt{2} \operatorname{ArcTanh} \left[ \frac{1 + \operatorname{Tanh} \left\lfloor \frac{x}{2} \right\rfloor}{\sqrt{2}} \right] + \operatorname{RootSum} \left[ 1 - 2 \, \operatorname{II} 1 - 2 \, \operatorname{II} 1^3 + 14 \, \operatorname{II} 1^4 + 2 \, \operatorname{II} 1^5 + 2 \, \operatorname{II} 1^7 + \operatorname{II} 1^8 \, \&, \right. \right.$$

$$\frac{1}{-1 - 3 \, \operatorname{II} 1^2 + 28 \, \operatorname{II} 1^3 + 5 \, \operatorname{II} 1^4 + 7 \, \operatorname{II} 1^6 + 4 \, \operatorname{II} 1^7} \left( -x - 2 \, \operatorname{Log} \left[ -\operatorname{Cosh} \left[ \frac{x}{2} \right] - \operatorname{Sinh} \left[ \frac{x}{2} \right] + \operatorname{Cosh} \left[ \frac{x}{2} \right] + \operatorname{Cosh} \left[ \frac{x}{2} \right] + \operatorname{Cosh} \left[ \frac{x}{2} \right] + \operatorname{II} \left[ -\frac{x}{2} \right] + \operatorname{II} \left[$$

Valid but unnecessarily complicated antiderivative:

$$\frac{\left(b\,c-a\,d\right)\,\operatorname{Cosh}\left[\frac{b}{d}\right]\,\operatorname{CoshIntegral}\left[-\frac{b\,c-a\,d}{d\,(c+d\,x)}\right]}{d^2} + \frac{\left(c+d\,x\right)\,\operatorname{Sinh}\left[\frac{a+b\,x}{c+d\,x}\right]}{d} + \frac{\left(b\,c-a\,d\right)\,\operatorname{Sinh}\left[\frac{b}{d}\right]\,\operatorname{SinhIntegral}\left[\frac{a}{c+d\,x} - \frac{b\,c}{d\,(c+d\,x)}\right]}{d^2} \\ + \frac{1}{2\,d^2}\left(\left(b\,c-a\,d\right)\,\operatorname{CoshIntegral}\left[\frac{b\,c-a\,d}{c\,d+d^2\,x}\right]\left(\operatorname{Cosh}\left[\frac{b}{d}\right]-\operatorname{Sinh}\left[\frac{b}{d}\right]\right) + \left(b\,c-a\,d\right)\,\operatorname{CoshIntegral}\left[\frac{-b\,c+a\,d}{d\,(c+d\,x)}\right]\left(\operatorname{Cosh}\left[\frac{b}{d}\right]+\operatorname{Sinh}\left[\frac{b}{d}\right]\right) + \\ 2\,c\,d\,\operatorname{Sinh}\left[\frac{a+b\,x}{c+d\,x}\right] + 2\,d^2\,x\,\operatorname{Sinh}\left[\frac{a+b\,x}{c+d\,x}\right] + b\,c\,\operatorname{Cosh}\left[\frac{b}{d}\right]\,\operatorname{SinhIntegral}\left[\frac{-b\,c+a\,d}{d\,(c+d\,x)}\right] - a\,d\,\operatorname{Cosh}\left[\frac{b}{d}\right]\,\operatorname{SinhIntegral}\left[\frac{-b\,c+a\,d}{d\,(c+d\,x)}\right] + \\ b\,c\,\operatorname{Sinh}\left[\frac{b}{d}\right]\,\operatorname{SinhIntegral}\left[\frac{-b\,c+a\,d}{d\,(c+d\,x)}\right] - a\,d\,\operatorname{Sinh}\left[\frac{b}{d}\right]\,\operatorname{SinhIntegral}\left[\frac{-b\,c+a\,d}{d\,(c+d\,x)}\right] + b\,c\,\operatorname{Cosh}\left[\frac{b}{d}\right]\,\operatorname{SinhIntegral}\left[\frac{b\,c-a\,d}{c\,d+d^2\,x}\right] - \\ a\,d\,\operatorname{Cosh}\left[\frac{b}{d}\right]\,\operatorname{SinhIntegral}\left[\frac{b\,c-a\,d}{c\,d+d^2\,x}\right] - b\,c\,\operatorname{Sinh}\left[\frac{b}{d}\right]\,\operatorname{SinhIntegral}\left[\frac{b\,c-a\,d}{c\,d+d^2\,x}\right] + a\,d\,\operatorname{Sinh}\left[\frac{b}{d}\right]\,\operatorname{SinhIntegral}\left[\frac{b\,c-a\,d}{c\,d+d^2\,x}\right] \right)$$

$$\left\{ \frac{\mathbf{x}^2}{\sinh[\mathbf{x}]^{3/2}} - \mathbf{x}^2 \sqrt{\sinh[\mathbf{x}]} , \mathbf{x}, \mathbf{4}, \mathbf{0} \right\}$$

$$-\frac{2 \mathbf{x}^2 \operatorname{Cosh}[\mathbf{x}]}{\sqrt{\sinh[\mathbf{x}]}} + 8 \mathbf{x} \sqrt{\sinh[\mathbf{x}]} - \frac{16 \operatorname{i} \operatorname{EllipticE}\left[\frac{\pi}{4} - \frac{\mathrm{i} \, \mathbf{x}}{2}, \, 2\right] \sqrt{\sinh[\mathbf{x}]}}{\sqrt{\mathrm{i} \, \sinh[\mathbf{x}]}}$$

$$-\frac{1}{\sqrt{\sinh[\mathbf{x}]}} 2 \left( \mathbf{x}^2 \operatorname{Cosh}[\mathbf{x}] - 4 \left( -2 + \mathbf{x} \right) \, \sinh[\mathbf{x}] - \frac{1}{\sqrt{\sinh[\mathbf{x}]}} 2 \left( -\cosh[\mathbf{x}] + \sinh[\mathbf{x}] \right) \right)$$

$$8 \sqrt{2} \operatorname{Hypergeometric2F1}\left[ -\frac{1}{4}, \frac{1}{2}, \frac{3}{4}, \operatorname{Cosh}[2\,\mathbf{x}] + \sinh[2\,\mathbf{x}] \right] \left( -\cosh[\mathbf{x}] + \sinh[\mathbf{x}] \right) \sqrt{-\sinh[\mathbf{x}]}$$

#### Problems involving hyperbolic cosines

Valid but unnecessarily complicated antiderivative:

$$\left\{ \frac{1}{5+3 \, \mathsf{Cosh} \left[\mathtt{c} + \mathtt{d} \, \mathtt{x}\right]}, \, \mathtt{x}, \, \mathtt{1}, \, \mathtt{0} \right\}$$
 
$$\underline{\mathsf{ArcTanh} \left[ \frac{1}{2} \, \mathsf{Tanh} \left[ \frac{1}{2} \, \left(\mathtt{c} + \mathtt{d} \, \mathtt{x}\right) \, \right] \right] }$$
 
$$\underline{\mathsf{2} \, \mathtt{d}}$$
 
$$\underline{-\mathsf{Log} \left[ 2 \, \mathsf{Cosh} \left[ \frac{1}{2} \, \left(\mathtt{c} + \mathtt{d} \, \mathtt{x}\right) \, \right] - \mathsf{Sinh} \left[ \frac{1}{2} \, \left(\mathtt{c} + \mathtt{d} \, \mathtt{x}\right) \, \right] \right] + \mathsf{Log} \left[ 2 \, \mathsf{Cosh} \left[ \frac{1}{2} \, \left(\mathtt{c} + \mathtt{d} \, \mathtt{x}\right) \, \right] + \mathsf{Sinh} \left[ \frac{1}{2} \, \left(\mathtt{c} + \mathtt{d} \, \mathtt{x}\right) \, \right] \right] }$$

Valid but unnecessarily complicated antiderivative:

$$\left\{ \frac{1}{(5+3 \, \text{Cosh} [\, c+d \, x \, ]\,)^2}, \, \, x, \, 2, \, 0 \right\}$$

$$\frac{5 \, \text{ArcTanh} \left[ \frac{1}{2} \, \text{Tanh} \left[ \frac{1}{2} \, (c+d \, x) \, \right] \right]}{32 \, d} - \frac{3 \, \text{Sinh} [\, c+d \, x \, ]}{16 \, d \, (5+3 \, \text{Cosh} [\, c+d \, x \, ]\,)}$$

$$\frac{1}{64 \, d \, (5+3 \, \text{Cosh} [\, c+d \, x \, ]\,)}$$

$$\left( -15 \, \text{Cosh} [\, c+d \, x \, ] \, \left( \text{Log} \left[ 2 \, \text{Cosh} \left[ \frac{1}{2} \, (c+d \, x) \, \right] - \text{Sinh} \left[ \frac{1}{2} \, (c+d \, x) \, \right] \right) - \text{Log} \left[ 2 \, \text{Cosh} \left[ \frac{1}{2} \, (c+d \, x) \, \right] + \text{Sinh} \left[ \frac{1}{2} \, (c+d \, x) \, \right] \right] \right) +$$

$$25 \, \left( -\text{Log} \left[ 2 \, \text{Cosh} \left[ \frac{1}{2} \, (c+d \, x) \, \right] - \text{Sinh} \left[ \frac{1}{2} \, (c+d \, x) \, \right] \right] + \text{Log} \left[ 2 \, \text{Cosh} \left[ \frac{1}{2} \, (c+d \, x) \, \right] + \text{Sinh} \left[ \frac{1}{2} \, (c+d \, x) \, \right] \right] \right) - 12 \, \text{Sinh} [\, c+d \, x \, ] \right)$$

Valid but unnecessarily complicated antiderivative:

$$\left\{ \frac{1}{(5+3 \, \text{Cosh} [\, c+d \, x\, ]\,)^3}, \, \, x, \, 3, \, 0 \right\}$$

$$\frac{59 \, \text{ArcTanh} \left[\frac{1}{2} \, \text{Tanh} \left[\frac{1}{2} \, (c+d \, x) \, \right]\right]}{1024 \, d} - \frac{3 \, \text{Sinh} [\, c+d \, x\, ]}{32 \, d \, (5+3 \, \text{Cosh} [\, c+d \, x\, ]\,)^2} - \frac{45 \, \text{Sinh} [\, c+d \, x\, ]}{512 \, d \, (5+3 \, \text{Cosh} [\, c+d \, x\, ]\,)} - \frac{1}{4096 \, d \, (5+3 \, \text{Cosh} [\, c+d \, x\, ]\,)} - \frac{1}{4096 \, d \, (5+3 \, \text{Cosh} [\, c+d \, x\, ]\,)^2} \left( 3481 \, \text{Log} \left[ 2 \, \text{Cosh} \left[\frac{1}{2} \, (c+d \, x) \, \right] - \text{Sinh} \left[\frac{1}{2} \, (c+d \, x) \, \right] \right) + \frac{1}{2} + \frac{1}{2}$$

$$\left\{ \frac{1}{(5+3\, \text{Cosh}[\, c+d\, x]\,)^4}, \, x, \, 4, \, 0 \right\}$$
 
$$\frac{385\, \text{ArcTanh} \left[ \frac{1}{2}\, \text{Tanh} \left[ \frac{1}{2}\, \left( c+d\, x \right) \, \right] \right]}{16\, d\, \left( 5+3\, \text{Cosh}[\, c+d\, x] \, \right)^3} - \frac{25\, \text{Sinh}[\, c+d\, x]}{512\, d\, \left( 5+3\, \text{Cosh}[\, c+d\, x] \, \right)^2} - \frac{311\, \text{Sinh}[\, c+d\, x]}{8192\, d\, \left( 5+3\, \text{Cosh}[\, c+d\, x] \, \right)} \right)^2 + \frac{311\, \text{Sinh}[\, c+d\, x]}{8192\, d\, \left( 5+3\, \text{Cosh}[\, c+d\, x] \, \right)}$$

$$\frac{1}{131\,072\,d\,(5+3\,\mathrm{Cosh}[c+d\,x])^3} \\ \left(296\,450\,\mathrm{Log}\left[2\,\mathrm{Cosh}\left[\frac{1}{2}\,\left(c+d\,x\right)\right]-\mathrm{Sinh}\left[\frac{1}{2}\,\left(c+d\,x\right)\right]\right]+10\,395\,\mathrm{Cosh}\left[3\,\left(c+d\,x\right)\right]\,\mathrm{Log}\left[2\,\mathrm{Cosh}\left[\frac{1}{2}\,\left(c+d\,x\right)\right]-\mathrm{Sinh}\left[\frac{1}{2}\,\left(c+d\,x\right)\right]\right]+10\,395\,\mathrm{Cosh}\left[3\,\left(c+d\,x\right)\right]\,\mathrm{Log}\left[2\,\mathrm{Cosh}\left[\frac{1}{2}\,\left(c+d\,x\right)\right]-\mathrm{Sinh}\left[\frac{1}{2}\,\left(c+d\,x\right)\right]\right]+10\,395\,\mathrm{Cosh}\left[2\,\left(c+d\,x\right)\right]-\mathrm{Log}\left[2\,\mathrm{Cosh}\left[\frac{1}{2}\,\left(c+d\,x\right)\right]+\mathrm{Sinh}\left[\frac{1}{2}\,\left(c+d\,x\right)\right]\right]\right)+10\,395\,\mathrm{Cosh}\left[2\,\left(c+d\,x\right)\right]\left[\frac{1}{2}\,\left(c+d\,x\right)\right]+10\,395\,\mathrm{Cosh}\left[\frac{1}{2}\,\left(c+d\,x\right)\right]+10\,395\,\mathrm{Cosh}\left[\frac{1}{2}\,\left(c+d\,x\right)\right]+10\,395\,\mathrm{Cosh}\left[\frac{1}{2}\,\left(c+d\,x\right)\right]+10\,395\,\mathrm{Cosh}\left[\frac{1}{2}\,\left(c+d\,x\right)\right]+10\,395\,\mathrm{Cosh}\left[\frac{1}{2}\,\left(c+d\,x\right)\right]+10\,395\,\mathrm{Cosh}\left[\frac{1}{2}\,\left(c+d\,x\right)\right]+10\,395\,\mathrm{Cosh}\left[\frac{1}{2}\,\left(c+d\,x\right)\right]+10\,395\,\mathrm{Cosh}\left[\frac{1}{2}\,\left(c+d\,x\right)\right]+10\,395\,\mathrm{Cosh}\left[\frac{1}{2}\,\left(c+d\,x\right)\right]+10\,395\,\mathrm{Cosh}\left[\frac{1}{2}\,\left(c+d\,x\right)\right]+10\,395\,\mathrm{Cosh}\left[\frac{1}{2}\,\left(c+d\,x\right)\right]+10\,395\,\mathrm{Cosh}\left[\frac{1}{2}\,\left(c+d\,x\right)\right]+10\,395\,\mathrm{Cosh}\left[\frac{1}{2}\,\left(c+d\,x\right)\right]+10\,395\,\mathrm{Cosh}\left[\frac{1}{2}\,\left(c+d\,x\right)\right]+10\,395\,\mathrm{Cosh}\left[\frac{1}{2}\,\left(c+d\,x\right)\right]+10\,395\,\mathrm{Cosh}\left[\frac{1}{2}\,\left(c+d\,x\right)\right]+10\,395\,\mathrm{Cosh}\left[\frac{1}{2}\,\left(c+d\,x\right)\right]+10\,395\,\mathrm{Cosh}\left[\frac{1}{2}\,\left(c+d\,x\right)\right]+10\,395\,\mathrm{Cosh}\left[\frac{1}{2}\,\left(c+d\,x\right)\right]+10\,395\,\mathrm{Cosh}\left[\frac{1}{2}\,\left(c+d\,x\right)\right]+10\,395\,\mathrm{Cosh}\left[\frac{1}{2}\,\left(c+d\,x\right)\right]+10\,395\,\mathrm{Cosh}\left[\frac{1}{2}\,\left(c+d\,x\right)\right]+10\,395\,\mathrm{Cosh}\left[\frac{1}{2}\,\left(c+d\,x\right)\right]+10\,395\,\mathrm{Cosh}\left[\frac{1}{2}\,\left(c+d\,x\right)\right]+10\,395\,\mathrm{Cosh}\left[\frac{1}{2}\,\left(c+d\,x\right)\right]+10\,395\,\mathrm{Cosh}\left[\frac{1}{2}\,\left(c+d\,x\right)\right]+10\,395\,\mathrm{Cosh}\left[\frac{1}{2}\,\left(c+d\,x\right)\right]+10\,395\,\mathrm{Cosh}\left[\frac{1}{2}\,\left(c+d\,x\right)\right]+10\,395\,\mathrm{Cosh}\left[\frac{1}{2}\,\left(c+d\,x\right)\right]+10\,395\,\mathrm{Cosh}\left[\frac{1}{2}\,\left(c+d\,x\right)\right]+10\,395\,\mathrm{Cosh}\left[\frac{1}{2}\,\left(c+d\,x\right)\right]+10\,395\,\mathrm{Cosh}\left[\frac{1}{2}\,\left(c+d\,x\right)\right]+10\,395\,\mathrm{Cosh}\left[\frac{1}{2}\,\left(c+d\,x\right)\right]+10\,395\,\mathrm{Cosh}\left[\frac{1}{2}\,\left(c+d\,x\right)\right]+10\,395\,\mathrm{Cosh}\left[\frac{1}{2}\,\left(c+d\,x\right)\right]+10\,395\,\mathrm{Cosh}\left[\frac{1}{2}\,\left(c+d\,x\right)\right]+10\,395\,\mathrm{Cosh}\left[\frac{1}{2}\,\left(c+d\,x\right)\right]+10\,395\,\mathrm{Cosh}\left[\frac{1}{2}\,\left(c+d\,x\right)\right]+10\,395\,\mathrm{Cosh}\left[\frac{1}{2}\,\left(c+d\,x\right)\right]+10\,395\,\mathrm{Cosh}\left[\frac{1}{2}\,\left(c+d\,x\right)\right]+10\,395\,\mathrm{Cosh}\left[\frac{1}{2}\,\left(c+d\,x\right)\right]+10\,395\,\mathrm{Cosh}\left[\frac{1}{2}\,\left(c+d\,x\right)\right]+10\,395\,\mathrm{Cosh}\left[\frac{1}{2}\,\left(c+d\,x\right)\right]+10\,395\,\mathrm{Cosh}\left[\frac{1}{2$$

$$\begin{cases} \frac{x}{a + b \cosh(c + d x)}, & x, 8, 0 \\ \frac{x \log \left[1 + \frac{b e^{c d x}}{a \sqrt{a^2 \cdot b^2}}\right]}{\sqrt{a^2 - b^2}} & \frac{x \log \left[1 + \frac{b e^{c d x}}{a \sqrt{a^2 \cdot b^2}}\right]}{\sqrt{a^2 - b^2}} & \frac{polyLog \left[2, -\frac{b e^{c d x}}{a \sqrt{a^2 \cdot b^2}}\right]}{\sqrt{a^2 - b^2}} & \frac{polyLog \left[2, -\frac{b e^{c d x}}{a \sqrt{a^2 \cdot b^2}}\right]}{\sqrt{a^2 - b^2}} & \frac{polyLog \left[2, -\frac{b e^{c d x}}{a \sqrt{a^2 \cdot b^2}}\right]}{\sqrt{a^2 - b^2}} \\ = \frac{1}{\sqrt{a^2 + b^2}} & \frac{1}{a^2 + b^2} & \frac{1}$$

$$\left\{ \frac{e + f x}{(a + b \operatorname{Cosh}[c + d x])^2}, x, 16, 0 \right\}$$

$$2 a e \operatorname{ArcTanh}\left[\frac{(a - b) \operatorname{Tanh}\left[\frac{1}{2}(\operatorname{cd} x)\right]}{\sqrt{a^2 \cdot b^2}}\right] + \frac{a f x \operatorname{Log}\left[1 + \frac{b e^{\operatorname{cd} x}}{a \sqrt{a^2 \cdot b^2}}\right]}{\left(a^2 - b^2\right)^{3/2}d} + \frac{a f \operatorname{PolyLog}\left[2, -\frac{b e^{\operatorname{cd} x}}{a \sqrt{a^2 \cdot b^2}}\right]}{\left(a^2 - b^2\right)^{3/2}d} + \frac{a f \operatorname{PolyLog}\left[2, -\frac{b e^{\operatorname{cd} x}}{a \sqrt{a^2 \cdot b^2}}\right]}{\left(a^2 - b^2\right)^{3/2}d^2} - \frac{b e \operatorname{Sinh}[c + d x]}{\left(a^2 - b^2\right)^{3/2}d} + \frac{f \operatorname{Log}\left[a + b \operatorname{Cosh}[c + d x]\right]}{\left(a^2 - b^2\right) d^2} + \frac{b f \operatorname{Sinh}[c + d x]}{\left(a^2 - b^2\right) d^2} + \frac{b f \operatorname{Sinh}[c + d x]}{\left(a^2 - b^2\right) d^2} + \frac{b f \operatorname{Sinh}[c + d x]}{\left(a^2 - b^2\right) d^2} + \frac{b f \operatorname{Sinh}[c + d x]}{\left(a^2 - b^2\right) d^2} + \frac{b f \operatorname{Sinh}[c + d x]}{\left(a^2 - b^2\right) d^2} + \frac{b f \operatorname{Sinh}[c + d x]}{\left(a^2 - b^2\right) d^2} + \frac{b f \operatorname{Sinh}[c + d x]}{\left(a^2 - b^2\right) d^2} + \frac{b f \operatorname{Sinh}[c + d x]}{\left(a^2 - b^2\right) d^2} + \frac{b f \operatorname{Sinh}[c + d x]}{\left(a^2 - b^2\right) d^2} + \frac{b f \operatorname{Sinh}[c + d x]}{\left(a^2 - b^2\right) d^2} + \frac{b f \operatorname{Sinh}[c + d x]}{\left(a^2 - b^2\right) d^2} + \frac{b f \operatorname{Sinh}[c + d x]}{\left(a^2 - b^2\right) d^2} + \frac{b f \operatorname{Sinh}[c + d x]}{\left(a^2 - b^2\right) d^2} + \frac{b f \operatorname{Sinh}[c + d x]}{\left(a^2 - b^2\right) d^2} + \frac{b f \operatorname{Sinh}[c + d x]}{\left(a^2 - b^2\right) d^2} + \frac{b f \operatorname{Sinh}[c + d x]}{\left(a^2 - b^2\right) d^2} + \frac{b f \operatorname{Sinh}[c + d x]}{\left(a^2 - b^2\right) d^2} + \frac{b f \operatorname{Sinh}[c + d x]}{\left(a^2 - b^2\right) d^2} + \frac{b f \operatorname{Sinh}[c + d x]}{\left(a^2 - b^2\right) d^2} + \frac{b f \operatorname{Sinh}[c + d x]}{\left(a^2 - b^2\right) d^2} + \frac{b f \operatorname{Sinh}[c + d x]}{\left(a^2 - b^2\right) d^2} + \frac{b f \operatorname{Sinh}[c + d x]}{\left(a^2 - b^2\right) d^2} + \frac{b f \operatorname{Sinh}[c + d x]}{\left(a^2 - b^2\right) d^2} + \frac{b f \operatorname{Sinh}[c + d x]}{\left(a^2 - b^2\right) d^2} + \frac{b f \operatorname{Sinh}[c + d x]}{\left(a^2 - b^2\right) d^2} + \frac{b f \operatorname{Sinh}[c + d x]}{\left(a^2 - b^2\right) d^2} + \frac{b f \operatorname{Sinh}[c + d x]}{\left(a^2 - b^2\right) d^2} + \frac{b f \operatorname{Sinh}[c + d x]}{\left(a^2 - b^2\right) d^2} + \frac{b f \operatorname{Sinh}[c + d x]}{\left(a^2 - b^2\right) d^2} + \frac{b f \operatorname{Sinh}[c + d x]}{\left(a^2 - b^2\right) d^2} + \frac{b f \operatorname{Sinh}[c + d x]}{\left(a^2 - b^2\right) d^2} + \frac{b f \operatorname{Sinh}[c + d x]}{\left(a^2 - b^2\right) d^2} + \frac{b f \operatorname{Sinh}[c + d x]}{\left(a^2 - b^2\right) d^2} + \frac{b f \operatorname{Sinh}[c + d x]}{\left(a^2 - b^2\right) d^2} + \frac{b f \operatorname{Sinh}[c + d x]}{\left($$

Valid but unnecessarily complicated antiderivative:

$$\begin{split} & \left\{ \frac{1}{\sqrt{1 - \mathsf{Cosh}[\mathbf{x}]^2}}, \, \mathbf{x}, \, \mathbf{3}, \, \mathbf{0} \right\} \\ & - \frac{\mathsf{ArcCoth}[\mathsf{Cosh}[\mathbf{x}]] \, \mathsf{Sinh}[\mathbf{x}]}{\sqrt{-\mathsf{Sinh}[\mathbf{x}]^2}} \\ & \frac{\left( -\mathsf{Log} \left[ 2 \, \mathsf{Cosh} \left[ \frac{\mathbf{x}}{2} \right] \right] + \mathsf{Log} \left[ 2 \, \mathsf{Sinh} \left[ \frac{\mathbf{x}}{2} \right] \right] \right) \, \mathsf{Sinh}[\mathbf{x}]}{\sqrt{-\mathsf{Sinh}[\mathbf{x}]^2}} \end{split}$$

$$\left\{\frac{1}{\sqrt{-1 + \operatorname{Cosh}[x]^{2}}}, x, 3, 0\right\}$$

$$-\frac{\operatorname{ArcCoth}[\operatorname{Cosh}[x]] \operatorname{Sinh}[x]}{\sqrt{\operatorname{Sinh}[x]^{2}}}$$

$$\frac{\left(-\text{Log}\left[2\,\text{Cosh}\left[\frac{x}{2}\right]\right]+\text{Log}\left[2\,\text{Sinh}\left[\frac{x}{2}\right]\right]\right)\,\text{Sinh}\left[x\right]}{\sqrt{\,\text{Sinh}\left[x\right]^{\,2}}}$$

$$\left\{ \frac{x}{a + b \operatorname{Cosh}(x)^{2}}, x, 9, 0 \right\}$$

$$x \operatorname{Log} \left[ 1 + \frac{b e^{2x}}{2 \operatorname{arb} - 2 \sqrt{a} \sqrt{a + b}} \right] - x \operatorname{Log} \left[ 1 + \frac{b e^{2x}}{2 \operatorname{arb} - 2 \sqrt{a} \sqrt{a + b}} \right] - x \operatorname{Log} \left[ 1 + \frac{b e^{2x}}{2 \operatorname{arb} - 2 \sqrt{a} \sqrt{a + b}} \right] + \frac{\operatorname{PolyLog} \left[ 2, -\frac{b e^{2x}}{2 \operatorname{arb} - 2 \sqrt{a} \sqrt{a + b}} \right]}{4 \sqrt{a} \sqrt{a + b}} - \frac{\operatorname{PolyLog} \left[ 2, -\frac{b e^{2x}}{2 \operatorname{arb} - 2 \sqrt{a} \sqrt{a + b}} \right]}{4 \sqrt{a} \sqrt{a + b}} - \frac{4 \sqrt{a} \sqrt{a + b}}{4 \sqrt{a} \sqrt{a + b}} - \frac{4 \sqrt{a} \sqrt{a + b}}{4 \sqrt{a} \sqrt{a + b}} - \frac{\operatorname{PolyLog} \left[ 2, -\frac{b e^{2x}}{2 \operatorname{arb} - 2 \sqrt{a} \sqrt{a + b}} \right]}{4 \sqrt{a} \sqrt{a + b}} - \frac{\operatorname{PolyLog} \left[ 2, -\frac{b e^{2x}}{2 \operatorname{arb} - 2 \sqrt{a} \sqrt{a + b}} \right]}{4 \sqrt{a} \sqrt{a + b}} - \frac{\operatorname{PolyLog} \left[ 2, -\frac{b e^{2x}}{2 \operatorname{arb} - 2 \sqrt{a} \sqrt{a + b}} \right]}{4 \sqrt{a} \sqrt{a + b}} - \frac{\operatorname{PolyLog} \left[ 2, -\frac{b e^{2x}}{2 \operatorname{arb} - 2 \sqrt{a} \sqrt{a + b}} \right]}{4 \sqrt{a} \sqrt{a + b}} - \frac{\operatorname{PolyLog} \left[ 2, -\frac{b e^{2x}}{2 \operatorname{arb} - 2 \sqrt{a} \sqrt{a + b}} \right]}{4 \sqrt{a} \sqrt{a + b}} - \frac{\operatorname{PolyLog} \left[ 2, -\frac{b e^{2x}}{2 \operatorname{arb} - 2 \sqrt{a} \sqrt{a + b}} \right]}{4 \sqrt{a} \sqrt{a + b}} - \frac{\operatorname{PolyLog} \left[ 2, -\frac{b e^{2x}}{2 \operatorname{arb} - 2 \sqrt{a} \sqrt{a + b}} \right]}{4 \sqrt{a} \sqrt{a + b}} - \frac{\operatorname{PolyLog} \left[ 2, -\frac{b e^{2x}}{2 \operatorname{arb} - 2 \sqrt{a} \sqrt{a + b}} \right]}{4 \sqrt{a} \sqrt{a + b}} - \frac{\operatorname{PolyLog} \left[ 2, -\frac{b e^{2x}}{2 \operatorname{arb} - 2 \sqrt{a} \sqrt{a + b}} \right]}{4 \sqrt{a} \sqrt{a + b}} - \frac{\operatorname{PolyLog} \left[ 2, -\frac{b e^{2x}}{2 \operatorname{arb} - 2 \sqrt{a} \sqrt{a + b}} \right]}{4 \sqrt{a} \sqrt{a + b}} - \frac{\operatorname{PolyLog} \left[ 2, -\frac{b e^{2x}}{2 \operatorname{arb} - 2 \sqrt{a} \sqrt{a + b}} \right]}{4 \sqrt{a} \sqrt{a + b}} - \frac{\operatorname{PolyLog} \left[ 2, -\frac{b e^{2x}}{2 \operatorname{arb} - 2 \sqrt{a} \sqrt{a + b}} \right]}{4 \sqrt{a} \sqrt{a + b}} - \frac{\operatorname{PolyLog} \left[ 2, -\frac{b e^{2x}}{2 \operatorname{arb} - 2 \sqrt{a} \sqrt{a + b}} \right]}{4 \sqrt{a} \sqrt{a + b}} - \frac{\operatorname{PolyLog} \left[ 2, -\frac{b e^{2x}}{2 \operatorname{arb} - 2 \sqrt{a} \sqrt{a + b}} \right]}{4 \sqrt{a} \sqrt{a + b}} - \frac{\operatorname{PolyLog} \left[ 2, -\frac{b e^{2x}}{2 \operatorname{arb} - 2 \sqrt{a} \sqrt{a + b}} \right]}{4 \sqrt{a} \sqrt{a + b}} - \frac{\operatorname{PolyLog} \left[ 2, -\frac{b e^{2x}}{2 \operatorname{arb} - 2 \sqrt{a} \sqrt{a + b}} \right]}{4 \sqrt{a} \sqrt{a + b}} - \frac{\operatorname{PolyLog} \left[ 2, -\frac{b e^{2x}}{2 \operatorname{arb} - 2 \sqrt{a} \sqrt{a + b}} \right]}{4 \sqrt{a} \sqrt{a + b}} - \frac{\operatorname{PolyLog} \left[ 2, -\frac{b e^{2x}}{2 \operatorname{arb} - 2 \sqrt{a} \sqrt{a + b}} \right]}{4 \sqrt{a} \sqrt{a + b}} - \frac{\operatorname{PolyLog} \left[ 2, -\frac{b e^{2x}}{2 \operatorname{arb} - 2 \sqrt{a} \sqrt{a + b}} \right]}{4 \sqrt{a} \sqrt{a + b$$

Valid but unnecessarily complicated antiderivative:

$$\left\{ \frac{1}{a + b \, \text{Cosh} \left[ \mathbf{x} \right]^3}, \, \mathbf{x}, \, 7, \, 0 \right\}$$

$$\frac{2 \, \text{ArcTanh} \left[ \frac{\left( \mathbf{a}^{1/3} - \mathbf{b}^{1/3} \right) \, \text{Tanh} \left[ \frac{\mathbf{x}}{2} \right]}{\sqrt{\mathbf{a}^{2/3} - \mathbf{b}^{2/3}}} \right]}{3 \, \mathbf{a}^{2/3} \, \sqrt{\mathbf{a}^{2/3} - \mathbf{b}^{2/3}}} + \frac{2 \, \text{ArcTanh} \left[ \frac{\left( \mathbf{a}^{1/3} - (-1)^{2/3} \, \mathbf{b}^{1/3} \right) \, \text{Tanh} \left[ \frac{\mathbf{x}}{2} \right]}{\sqrt{\mathbf{a}^{2/3} + (-1)^{1/3} \, \mathbf{b}^{2/3}}} \right]}{3 \, \mathbf{a}^{2/3} \, \sqrt{\mathbf{a}^{2/3} - \mathbf{b}^{2/3}}} + \frac{2 \, \text{ArcTanh} \left[ \frac{\left( \mathbf{a}^{1/3} + (-1)^{1/3} \, \mathbf{b}^{1/3} \right) \, \text{Tanh} \left[ \frac{\mathbf{x}}{2} \right]}{\sqrt{\mathbf{a}^{2/3} - (-1)^{1/3} \, \mathbf{b}^{2/3}}} \right]}{3 \, \mathbf{a}^{2/3} \, \sqrt{\mathbf{a}^{2/3} - (-1)^{1/3} \, \mathbf{b}^{2/3}}} + \frac{2 \, \text{ArcTanh} \left[ \frac{\left( \mathbf{a}^{1/3} + (-1)^{1/3} \, \mathbf{b}^{1/3} \right) \, \text{Tanh} \left[ \frac{\mathbf{x}}{2} \right]}{\sqrt{\mathbf{a}^{2/3} - (-1)^{1/3} \, \mathbf{b}^{2/3}}} \right]}{3 \, \mathbf{a}^{2/3} \, \sqrt{\mathbf{a}^{2/3} - (-1)^{1/3} \, \mathbf{b}^{2/3}}}$$

$$\frac{2}{3} \, \text{RootSum} \left[ \mathbf{b} + 3 \, \mathbf{b} \, \text{H} \mathbf{1}^2 + 8 \, \mathbf{a} \, \text{H} \mathbf{1}^3 + 3 \, \mathbf{b} \, \text{H} \mathbf{1}^4 + \mathbf{b} \, \text{H} \mathbf{1}^6 \, \hat{\mathbf{x}}, \right.$$

$$\frac{\mathbf{x} \, \text{H} \mathbf{1} + 2 \, \text{Log} \left[ -\text{Cosh} \left[ \frac{\mathbf{x}}{2} \right] - \text{Sinh} \left[ \frac{\mathbf{x}}{2} \right] + \text{Cosh} \left[ \frac{\mathbf{x}}{2} \right] \, \text{H} \mathbf{1} - \text{Sinh} \left[ \frac{\mathbf{x}}{2} \right] \, \text{H} \mathbf{1}} \right] \, \mathbf{H} \mathbf{1}}{\mathbf{b} + 4 \, \mathbf{a} \, \mathbf{H} \mathbf{1} + 2 \, \mathbf{b} \, \mathbf{H} \mathbf{1}^4} + \mathbf{b} \, \mathbf{H} \mathbf{1}^4 + \mathbf{b} \, \mathbf{H} \mathbf{1}$$

$$\left\{\frac{1}{a+b \, Cosh[x]^5}, x, 11, 0\right\}$$

$$\frac{2 \operatorname{ArcTanh} \left[\frac{\left(a^{1/5}-b^{1/5}\right) \operatorname{Tanh} \left[\frac{x}{2}\right]}{\sqrt{a^{2/5}-b^{2/5}}}\right]}{5 a^{4/5} \sqrt{a^{2/5}-b^{2/5}}} + \frac{2 \operatorname{ArcTanh} \left[\frac{\left(a^{1/5}+(-1)^{3/5} b^{1/5}\right) \operatorname{Tanh} \left[\frac{x}{2}\right]}{\sqrt{a^{2/5}+(-1)^{1/5} b^{2/5}}}\right]}{5 a^{4/5} \sqrt{a^{2/5}-b^{2/5}}} + \frac{2 \operatorname{ArcTanh} \left[\frac{\left(a^{1/5}+(-1)^{3/5} b^{1/5}\right) \operatorname{Tanh} \left[\frac{x}{2}\right]}{\sqrt{a^{2/5}-(-1)^{2/5} b^{2/5}}}\right]}{5 a^{4/5} \sqrt{a^{2/5}-(-1)^{2/5} b^{2/5}}} + \frac{2 \operatorname{ArcTanh} \left[\frac{\left(a^{1/5}-(-1)^{1/5} b^{1/5}\right) \operatorname{Tanh} \left[\frac{x}{2}\right]}{\sqrt{a^{2/5}-(-1)^{3/5} b^{2/5}}}\right]}{5 a^{4/5} \sqrt{a^{2/5}-(-1)^{2/5} b^{2/5}}} + \frac{2 \operatorname{ArcTanh} \left[\frac{\left(a^{1/5}-(-1)^{4/5} b^{1/5}\right) \operatorname{Tanh} \left[\frac{x}{2}\right]}{\sqrt{a^{2/5}-(-1)^{4/5} b^{2/5}}}\right]}{5 a^{4/5} \sqrt{a^{2/5}-(-1)^{3/5} b^{2/5}}} + \frac{2 \operatorname{ArcTanh} \left[\frac{\left(a^{1/5}-(-1)^{4/5} b^{1/5}\right) \operatorname{Tanh} \left[\frac{x}{2}\right]}{\sqrt{a^{2/5}-(-1)^{4/5} b^{2/5}}}\right]}{5 a^{4/5} \sqrt{a^{2/5}-(-1)^{3/5} b^{2/5}}} + \frac{2 \operatorname{ArcTanh} \left[\frac{\left(a^{1/5}-(-1)^{2/5} b^{1/5}\right) \operatorname{Tanh} \left[\frac{x}{2}\right]}{\sqrt{a^{2/5}-(-1)^{4/5} b^{2/5}}}\right]}{5 a^{4/5} \sqrt{a^{2/5}-(-1)^{4/5} b^{2/5}}}$$

$$\frac{8}{5} \operatorname{RootSum} \left[b+5 b \pm 1^2+10 b \pm 1^4+32 a \pm 1^5+10 b \pm 1^6+5 b \pm 1^8+b \pm 1^{10} \delta,$$

$$\frac{x \pm 1^3+2 \operatorname{Log} \left[-\operatorname{Cosh} \left[\frac{x}{2}\right]-\operatorname{Sinh} \left[\frac{x}{2}\right]+\operatorname{Cosh} \left[\frac{x}{2}\right] \pm 1-\operatorname{Sinh} \left[\frac{x}{2}\right] \pm 1\right] \pm 1^3}{b+4 b \pm 1^2+16 a \pm 1^3+6 b \pm 1^4+4 b \pm 1^6+b \pm 1^8}$$

Valid but unnecessarily complicated antiderivative:

$$\begin{split} &\left\{\frac{1}{a+b\,\text{Cosh}\,[x]^6},\,\,x,\,\,10\,,\,0\right\} \\ &\frac{\text{ArcTanh}\left[\frac{a^{1/6}\,\text{Tanh}\,[x]}{\sqrt{a^{1/3}+b^{1/3}}}\right]}{3\,\,a^{5/6}\,\sqrt{a^{1/3}+b^{1/3}}} + \frac{\text{ArcTanh}\left[\frac{a^{1/6}\,\text{Tanh}\,[x]}{\sqrt{a^{1/3}-(-1)^{1/3}\,b^{1/3}}}\right]}{3\,\,a^{5/6}\,\sqrt{a^{1/3}+b^{1/3}}} + \frac{\text{ArcTanh}\left[\frac{a^{1/6}\,\text{Tanh}\,[x]}{\sqrt{a^{1/3}+(-1)^{2/3}\,b^{1/3}}}\right]}{3\,\,a^{5/6}\,\sqrt{a^{1/3}+b^{1/3}}} + \frac{\text{ArcTanh}\left[\frac{a^{1/6}\,\text{Tanh}\,[x]}{\sqrt{a^{1/3}+(-1)^{2/3}\,b^{1/3}}}\right]}{3\,\,a^{5/6}\,\sqrt{a^{1/3}+(-1)^{2/3}\,b^{1/3}}} \\ &\frac{16}{3}\,\,\text{RootSum}\left[b+6\,b\,\sharp 1+15\,b\,\sharp 1^2+64\,a\,\sharp 1^3+20\,b\,\sharp 1^3+15\,b\,\sharp 1^4+6\,b\,\sharp 1^5+b\,\sharp 1^6\,\&\,,\\ &\frac{x\,\sharp 1^2+\text{Log}\left[-\text{Cosh}\,[x]-\text{Sinh}\,[x]+\text{Cosh}\,[x]\,\sharp 1-\text{Sinh}\,[x]\,\sharp 1\right]\,\sharp 1^2}{b+5\,b\,\sharp 1+32\,a\,\sharp 1^2+10\,b\,\sharp 1^2+10\,b\,\sharp 1^3+5\,b\,\sharp 1^4+b\,\sharp 1^5}\,\&\, \end{split}$$

Valid but unnecessarily complicated antiderivative:

$$\left\{ \frac{1}{a + b \, \text{Cosh} [x]^8}, \, x, \, 13, \, 0 \right\}$$

$$\frac{\text{ArcTanh} \Big[ \frac{(-a)^{1/8} \, \text{Tanh} [x]}{\sqrt{(-a)^{1/4} - b^{1/4}}} \Big]}{4 \, (-a)^{7/8} \, \sqrt{(-a)^{1/4} - b^{1/4}}} - \frac{\text{ArcTanh} \Big[ \frac{(-a)^{1/8} \, \text{Tanh} [x]}{\sqrt{(-a)^{1/4} - i \, b^{1/4}}} \Big]}{4 \, (-a)^{7/8} \, \sqrt{(-a)^{1/4} - i \, b^{1/4}}} - \frac{\text{ArcTanh} \Big[ \frac{(-a)^{1/8} \, \text{Tanh} [x]}{\sqrt{(-a)^{1/4} + i \, b^{1/4}}} \Big]}{4 \, (-a)^{7/8} \, \sqrt{(-a)^{1/4} - i \, b^{1/4}}} - \frac{\text{ArcTanh} \Big[ \frac{(-a)^{1/8} \, \text{Tanh} [x]}{\sqrt{(-a)^{1/4} + i \, b^{1/4}}} \Big]}{4 \, (-a)^{7/8} \, \sqrt{(-a)^{1/4} - i \, b^{1/4}}} - \frac{\text{ArcTanh} \Big[ \frac{(-a)^{1/8} \, \text{Tanh} [x]}{\sqrt{(-a)^{1/4} + b^{1/4}}} \Big]}{4 \, (-a)^{7/8} \, \sqrt{(-a)^{1/4} - i \, b^{1/4}}} - \frac{\text{ArcTanh} \Big[ \frac{(-a)^{1/8} \, \text{Tanh} [x]}{\sqrt{(-a)^{1/4} + b^{1/4}}} \Big]}{4 \, (-a)^{7/8} \, \sqrt{(-a)^{1/4} + b^{1/4}}} - \frac{\text{ArcTanh} \Big[ \frac{(-a)^{1/8} \, \text{Tanh} [x]}{\sqrt{(-a)^{1/4} + b^{1/4}}} \Big]}{4 \, (-a)^{7/8} \, \sqrt{(-a)^{1/4} + b^{1/4}}} - \frac{\text{ArcTanh} \Big[ \frac{(-a)^{1/8} \, \text{Tanh} [x]}{\sqrt{(-a)^{1/4} + b^{1/4}}} \Big]}{4 \, (-a)^{7/8} \, \sqrt{(-a)^{1/4} + b^{1/4}}} - \frac{\text{ArcTanh} \Big[ \frac{(-a)^{1/8} \, \text{Tanh} [x]}{\sqrt{(-a)^{1/4} + b^{1/4}}} \Big]}{4 \, (-a)^{7/8} \, \sqrt{(-a)^{1/4} + b^{1/4}}} - \frac{\text{ArcTanh} \Big[ \frac{(-a)^{1/8} \, \text{Tanh} [x]}{\sqrt{(-a)^{1/4} + b^{1/4}}} \Big]}{4 \, (-a)^{7/8} \, \sqrt{(-a)^{1/4} + b^{1/4}}} - \frac{\text{ArcTanh} \Big[ \frac{(-a)^{1/8} \, \text{Tanh} [x]}{\sqrt{(-a)^{1/4} + b^{1/4}}} \Big]}{4 \, (-a)^{7/8} \, \sqrt{(-a)^{1/4} + b^{1/4}}} - \frac{\text{ArcTanh} \Big[ \frac{(-a)^{1/8} \, \text{Tanh} [x]}{\sqrt{(-a)^{1/4} + b^{1/4}}} \Big]}{4 \, (-a)^{7/8} \, \sqrt{(-a)^{1/4} + b^{1/4}}} - \frac{\text{ArcTanh} \Big[ \frac{(-a)^{1/8} \, \text{Tanh} [x]}{\sqrt{(-a)^{1/4} + b^{1/4}}} \Big]}{4 \, (-a)^{7/8} \, \sqrt{(-a)^{1/4} + b^{1/4}}} - \frac{\text{ArcTanh} \Big[ \frac{(-a)^{1/8} \, \text{Tanh} [x]}{\sqrt{(-a)^{1/4} + b^{1/4}}} \Big]}{4 \, (-a)^{7/8} \, \sqrt{(-a)^{1/4} + b^{1/4}}} - \frac{\text{ArcTanh} \Big[ \frac{(-a)^{1/8} \, \text{Tanh} [x]}{\sqrt{(-a)^{1/4} + b^{1/4}}} \Big]}{4 \, (-a)^{7/8} \, \sqrt{(-a)^{1/4} + b^{1/4}}} - \frac{\text{ArcTanh} \Big[ \frac{(-a)^{1/8} \, \text{Tanh} [x]}{\sqrt{(-a)^{1/4} + b^{1/4}}} \Big]}{4 \, (-a)^{7/8} \, \sqrt{(-a)^{1/4} + b^{1/4}}} - \frac{\text{ArcTanh} \Big[ \frac{(-a)^{1/8} \, \text{Tanh} [x]}{\sqrt{(-a)^{1/4} + b^{1/4}}} \Big]}{4 \, (-a)^{7/8} \,$$

Valid but unnecessarily complicated antiderivative:

$$\left\{ \frac{1}{a - b \, \text{Cosh} \left[x\right]^3}, \, x, \, 7, \, 0 \right\}$$

$$\frac{2 \, \text{ArcTanh} \left[ \frac{\left(a^{1/3} + b^{1/3}\right) \, \text{Tanh} \left[\frac{x}{2}\right]}{\sqrt{a^{2/3} - b^{2/3}}} \right]}{3 \, a^{2/3} \, \sqrt{a^{2/3} - b^{2/3}}} + \frac{2 \, \text{ArcTanh} \left[ \frac{\left(a^{1/3} + (-1)^{2/3} \, b^{1/3}\right) \, \text{Tanh} \left[\frac{x}{2}\right]}{\sqrt{a^{2/3} + (-1)^{1/3} \, b^{2/3}}} \right]}{3 \, a^{2/3} \, \sqrt{a^{2/3} + (-1)^{1/3} \, b^{2/3}}} + \frac{2 \, \text{ArcTanh} \left[ \frac{\left(a^{1/3} - (-1)^{1/3} \, b^{1/3}\right) \, \text{Tanh} \left[\frac{x}{2}\right]}{\sqrt{a^{2/3} - (-1)^{2/3} \, b^{2/3}}} \right]}{3 \, a^{2/3} \, \sqrt{a^{2/3} - (-1)^{2/3} \, b^{2/3}}}$$

$$\frac{2}{3} \, \text{RootSum} \left[ b + 3 \, b \, \text{H} \, 1^2 - 8 \, a \, \text{H} \, 1^3 + 3 \, b \, \text{H} \, 1^4 + b \, \text{H} \, 1^6 \, \& \, }, \, \frac{x \, \text{H} \, 1 + 2 \, \text{Log} \left[ -\text{Cosh} \left[\frac{x}{2}\right] - \text{Sinh} \left[\frac{x}{2}\right] + \text{Cosh} \left[\frac{x}{2}\right] \, \text{H} \, 1 - \text{Sinh} \left[\frac{x}{2}\right] \, \text{H} \, 1 \right] \, \text{H} \, 1}}{b - 4 \, a \, \text{H} \, 1 + 2 \, b \, \text{H} \, 1^4} \, \& \right]$$

$$\left\{ \frac{1}{a-b \operatorname{Cosh}[x]^5}, \ x, \ 11, \ 0 \right\}$$

$$2 \operatorname{ArcTanh}\left[ \frac{\left(a^{1/5}+b^{1/5}\right) \operatorname{Tanh}\left[\frac{x}{2}\right]}{\sqrt{a^{2/5}-b^{2/5}}} \right] + 2 \operatorname{ArcTanh}\left[ \frac{\left(a^{1/5}-(-1)^{3/5} b^{1/5}\right) \operatorname{Tanh}\left[\frac{x}{2}\right]}{\sqrt{a^{2/5}+(-1)^{1/5} b^{2/5}}} \right] + \\ \frac{2 \operatorname{ArcTanh}\left[ \frac{\left(a^{1/5}-(-1)^{1/5} b^{1/5}\right) \operatorname{Tanh}\left[\frac{x}{2}\right]}{\sqrt{a^{2/5}-(-1)^{1/5} b^{2/5}}} \right] + 2 \operatorname{ArcTanh}\left[ \frac{\left(a^{1/5}+(-1)^{1/5} b^{2/5}\right)}{\sqrt{a^{2/5}-(-1)^{1/5} b^{2/5}}} \right] + \\ \frac{2 \operatorname{ArcTanh}\left[ \frac{\left(a^{1/5}-(-1)^{1/5} b^{1/5}\right) \operatorname{Tanh}\left[\frac{x}{2}\right]}{\sqrt{a^{2/5}-(-1)^{3/5} b^{2/5}}} \right] + 2 \operatorname{ArcTanh}\left[ \frac{\left(a^{1/5}+(-1)^{1/5} b^{1/5}\right) \operatorname{Tanh}\left[\frac{x}{2}\right]}{\sqrt{a^{2/5}+(-1)^{3/5} b^{2/5}}} \right] + \\ \frac{2 \operatorname{ArcTanh}\left[ \frac{\left(a^{1/5}+(-1)^{2/5} b^{1/5}\right) \operatorname{Tanh}\left[\frac{x}{2}\right]}{\sqrt{a^{2/5}-(-1)^{3/5} b^{2/5}}} \right] + \\ \frac{8}{5} \operatorname{RootSum}\left[ b + 5 b \, \sharp 1^2 + 10 \, b \, \sharp 1^4 - 32 \, a \, \sharp 1^5 + 10 \, b \, \sharp 1^6 + 5 \, b \, \sharp 1^8 + b \, \sharp 1^{10} \, \&, \\ \frac{x \, \sharp 1^3 + 2 \operatorname{Log}\left[ -\operatorname{Cosh}\left[\frac{x}{2}\right] - \operatorname{Sinh}\left[\frac{x}{2}\right] + \operatorname{Cosh}\left[\frac{x}{2}\right] \, \sharp 1 - \operatorname{Sinh}\left[\frac{x}{2}\right] \, \sharp 1 \right] \, \sharp 1^3}{b + 4 \, b \, \sharp 1^2 - 16 \, a \, \sharp 1^3 + 6 \, b \, \sharp 1^4 + 4 \, b \, \sharp 1^6 + b \, \sharp 1^8}$$

Valid but unnecessarily complicated antiderivative:

$$\begin{split} & \left\{ \frac{1}{a - b \, \text{Cosh} \left[ \mathbf{x} \right]^6}, \, \, \mathbf{x}, \, \, 10 \, , \, \, 0 \right\} \\ & \frac{\text{ArcTanh} \left[ \frac{a^{1/6} \, \text{Tanh} \left[ \mathbf{x} \right]}{\sqrt{a^{1/3} - b^{1/3}}} \right]}{3 \, a^{5/6} \, \sqrt{a^{1/3} - b^{1/3}}} + \frac{\text{ArcTanh} \left[ \frac{a^{1/6} \, \text{Tanh} \left[ \mathbf{x} \right]}{\sqrt{a^{1/3} + (-1)^{1/3} \, b^{1/3}}} \right]}{3 \, a^{5/6} \, \sqrt{a^{1/3} - b^{1/3}}} + \frac{\text{ArcTanh} \left[ \frac{a^{1/6} \, \text{Tanh} \left[ \mathbf{x} \right]}{\sqrt{a^{1/3} - (-1)^{2/3} \, b^{1/3}}} \right]}{3 \, a^{5/6} \, \sqrt{a^{1/3} - (-1)^{2/3} \, b^{1/3}}} \\ & - \frac{16}{3} \, \text{RootSum} \left[ b + 6 \, b \, \sharp 1 + 15 \, b \, \sharp 1^2 - 64 \, a \, \sharp 1^3 + 20 \, b \, \sharp 1^3 + 15 \, b \, \sharp 1^4 + 6 \, b \, \sharp 1^5 + b \, \sharp 1^6 \, \& \, , \\ & \frac{\mathbf{x} \, \sharp 1^2 + \text{Log} \left[ -\text{Cosh} \left[ \mathbf{x} \right] - \text{Sinh} \left[ \mathbf{x} \right] + \text{Cosh} \left[ \mathbf{x} \right] \, \sharp 1 - \text{Sinh} \left[ \mathbf{x} \right] \, \sharp 1 \right] \, \sharp 1^2}{b + 5 \, b \, \sharp 1 - 32 \, a \, \sharp 1^2 + 10 \, b \, \sharp 1^2 + 10 \, b \, \sharp 1^3 + 5 \, b \, \sharp 1^4 + b \, \sharp 1^5} \, \& \, \end{split}$$

Valid but unnecessarily complicated antiderivative:

$$\begin{split} &\left\{\frac{1}{a-b\, Cosh[x]^8},\, x,\, 13\,,\, 0\right\} \\ &\frac{ArcTanh\left[\frac{a^{1/8}\, Tanh[x]}{\sqrt{a^{1/4}-b^{1/4}}}\right]}{4\, a^{7/8}\, \sqrt{a^{1/4}-b^{1/4}}} + \frac{ArcTanh\left[\frac{a^{1/8}\, Tanh[x]}{\sqrt{a^{1/4}-b^{1/4}}}\right]}{4\, a^{7/8}\, \sqrt{a^{1/4}-i\, b^{1/4}}} + \frac{ArcTanh\left[\frac{a^{1/8}\, Tanh[x]}{\sqrt{a^{1/4}+i\, b^{1/4}}}\right]}{4\, a^{7/8}\, \sqrt{a^{1/4}-i\, b^{1/4}}} + \frac{ArcTanh\left[\frac{a^{1/8}\, Tanh[x]}{\sqrt{a^{1/4}+b^{1/4}}}\right]}{4\, a^{7/8}\, \sqrt{a^{1/4}-i\, b^{1/4}}} + \frac{ArcTanh\left[\frac{a^{1/8}\, Tanh[x]}{\sqrt{a^{1/4}+b^{1/4}}}\right]}{4\, a^{7/8}\, \sqrt{a^{1/4}-b^{1/4}}} + \frac{ArcTanh\left[\frac{a^{1/8}\, Tanh[x]}{\sqrt{a^{1/4}+b^{1/4}}}\right]}{4\, a^{7/8}\, \sqrt{a^{1/4}+b^{1/4}}} + \frac{ArcTanh\left[\frac{a^{1/8}\, Tanh[x]}{\sqrt{a^{1/4}+b^{1/4}}}\right]}{4\, a^{7/8}\, \sqrt{a^{1/4}-b^{1/4}}} + \frac{ArcTanh\left[\frac{a^{1/8}\, Tanh[x]}{\sqrt{a^{1/4}+b^{1/4}}}\right]}{4\, a^{7/8}\, \sqrt{a^{1/4}+b^{1/4}}} + \frac{ArcTanh\left[\frac{a^{1/8}\, Tanh[x]}{\sqrt{a^{1/4}+b^{1/4}}}\right]}{4\, a^{7/8}\, \sqrt{a^{1/4}-b^{1/4}}} + \frac{ArcTanh\left[\frac{a^{1/8}\, Tanh[x]}{\sqrt{a^{1/4}+b^{1/4}}}\right]}{4\, a^{7/8}\, \sqrt{a^{1/4}-b^{1/4}}} + \frac{ArcTanh\left[\frac{a^{1/8}\, Tanh[x]}{\sqrt{a^{1/4}+b^{1/4}}}\right]}{4\, a^{7/8}\, \sqrt{a^{1/4}-b^{1/4}}} + \frac{ArcTanh\left[\frac{a^{1/8}\, Tanh[x]}{\sqrt{a^{1/4}+b^{1/4}}}\right]}{4\, a^{7/8}\, \sqrt{a^{1/4}+b^{1/4}}} + \frac{ArcTanh\left[\frac{a^{1/8}\, Tanh[x]}{\sqrt{a^{1/4}+b^{1/4}}}\right]}{4\, a^{7/8}\, \sqrt{a^{1/4}-b^{1/4}}} + \frac{ArcTanh\left[\frac{a^{1/8}\, Tanh[x]}{\sqrt{a^{1/4}+b^{1/4}}}\right]}{4\, a^{7/8}\, \sqrt{a^{1/4}-b^{1/4}}} + \frac{ArcTanh\left[\frac{a^{1/8}\, Tanh[x]}{\sqrt{a^{1/4}+b^{1/4}}}\right]}{4\, a^{7/8}\, \sqrt{a^{1/4}-b^{1/4}}} + \frac{ArcTanh\left[\frac{a^{1/8}\, Tanh[x]}{\sqrt{a^{1/4}+b^{1/4}}}\right]}{4\, a^{7/8}\, \sqrt{a^{1/4}+b^{1/4}}} + \frac{ArcTanh\left[\frac{a^{1/8}\, Tanh[x]}{\sqrt{a^{1/4}+b^{1/4}}}\right$$

$$\begin{split} & \left\{ \frac{1}{1 + \mathsf{Cosh}[\mathtt{x}]^5}, \, \mathtt{x}, \, 8, \, 0 \right\} \\ & \frac{2 \, \mathsf{ArcTanh} \Big[ \frac{(1 + (-1)^{1/5}) \, \mathsf{Tanh} \Big[ \frac{\mathtt{x}}{2} \Big]}{\sqrt{1 - (-1)^{2/5}}} \Big]}{5 \, \sqrt{1 - (-1)^{2/5}}} + \frac{2 \, \mathsf{ArcTanh} \Big[ \frac{(1 + (-1)^{3/5}) \, \mathsf{Tanh} \Big[ \frac{\mathtt{x}}{2} \Big]}{\sqrt{1 + (-1)^{1/5}}} \Big]}{5 \, \sqrt{1 + (-1)^{1/5}}} + \\ & \frac{2 \, \mathsf{ArcTanh} \Big[ \frac{(1 - (-1)^{2/5}) \, \mathsf{Tanh} \Big[ \frac{\mathtt{x}}{2} \Big]}{\sqrt{1 - (-1)^{4/5}}} \Big]}{5 \, \sqrt{1 - (-1)^{4/5}}} + \frac{2 \, \mathsf{ArcTanh} \Big[ \frac{(1 - (-1)^{4/5}) \, \mathsf{Tanh} \Big[ \frac{\mathtt{x}}{2} \Big]}{\sqrt{1 + (-1)^{3/5}}} \Big]}{5 \, \sqrt{1 + (-1)^{3/5}}} + \frac{\mathsf{Sinh}[\mathtt{x}]}{5 \, (1 + \mathsf{Cosh}[\mathtt{x}])} \end{split}$$

$$\begin{split} & \left\{ \frac{1}{1 + \text{Cosh}[\textbf{x}]^8}, \ \textbf{x, 11, 0} \right\} \\ & \frac{\text{ArcTanh}\Big[\frac{\text{Tanh}[\textbf{x}]}{\sqrt{1 - (-1)^{1/4}}}\Big]}{4\sqrt{1 - (-1)^{1/4}}} + \frac{\text{ArcTanh}\Big[\frac{\text{Tanh}[\textbf{x}]}{\sqrt{1 + (-1)^{1/4}}}\Big]}{4\sqrt{1 + (-1)^{1/4}}} + \frac{\text{ArcTanh}\Big[\frac{\text{Tanh}[\textbf{x}]}{\sqrt{1 - (-1)^{3/4}}}\Big]}{4\sqrt{1 - (-1)^{3/4}}} + \frac{\text{ArcTanh}\Big[\frac{\text{Tanh}[\textbf{x}]}{\sqrt{1 + (-1)^{3/4}}}\Big]}{4\sqrt{1 - (-1)^{3/4}}} + \frac{\text{ArcTanh}\Big[\frac{\text{Tanh}[\textbf{x}]}{\sqrt{1 + (-1)^{3/4}}}\Big]}{4\sqrt{1 + (-1)^{3/4}}} \\ & 16 \ \text{RootSum}\Big[1 + 8 \ \text{H}1 + 28 \ \text{H}1^2 + 56 \ \text{H}1^3 + 326 \ \text{H}1^4 + 56 \ \text{H}1^5 + 28 \ \text{H}1^6 + 8 \ \text{H}1^7} + \text{H}1^8 \ \text{\&}}, \\ & \frac{\text{x} \ \text{H}1^3 + \text{Log}[-\text{Cosh}[\textbf{x}] - \text{Sinh}[\textbf{x}] + \text{Cosh}[\textbf{x}] \ \text{H}1 - \text{Sinh}[\textbf{x}] \ \text{H}1] \ \text{H}1^3}}{1 + 7 \ \text{H}1 + 21 \ \text{H}1^2 + 163 \ \text{H}1^3 + 35 \ \text{H}1^4 + 21 \ \text{H}1^5 + 7 \ \text{H}1^6 + \text{H}1^7}} \ \text{\&} \Big] \end{split}$$

$$\begin{split} & \left\{ \frac{1}{1- \mathsf{Cosh}[\mathtt{x}]^5}, \ \mathtt{x}, \ 8, \ 0 \right\} \\ & \frac{2 \, \mathsf{ArcTanh} \Big[ \frac{\left(1-(-1)^{1/5}\right) \, \mathsf{Tanh} \Big[\frac{\mathtt{x}}{2}\Big]}{\sqrt{1-(-1)^{2/5}}} \Big]}{5 \, \sqrt{1-(-1)^{2/5}}} + \frac{2 \, \mathsf{ArcTanh} \Big[ \frac{\left(1-(-1)^{3/5}\right) \, \mathsf{Tanh} \Big[\frac{\mathtt{x}}{2}\Big]}{\sqrt{1+(-1)^{1/5}}} \Big]}{5 \, \sqrt{1+(-1)^{1/5}}} + \\ & \frac{2 \, \mathsf{ArcTanh} \Big[ \frac{\left(1+(-1)^{2/5}\right) \, \mathsf{Tanh} \Big[\frac{\mathtt{x}}{2}\Big]}{\sqrt{1-(-1)^{4/5}}} \Big]}{\sqrt{1-(-1)^{4/5}}} + \frac{2 \, \mathsf{ArcTanh} \Big[ \frac{\left(1+(-1)^{4/5}\right) \, \mathsf{Tanh} \Big[\frac{\mathtt{x}}{2}\Big]}{\sqrt{1+(-1)^{3/5}}} \Big]}{5 \, \sqrt{1+(-1)^{3/5}}} - \frac{\mathsf{Sinh}[\mathtt{x}]}{5 \, (1-\mathsf{Cosh}[\mathtt{x}])} \end{split}$$

$$\frac{1}{5} \operatorname{Coth} \left[ \frac{x}{2} \right] + \\ \frac{1}{10} \operatorname{RootSum} \left[ 1 + 2 \, \pi 1 + 8 \, \pi 1^2 + 14 \, \pi 1^3 + 30 \, \pi 1^4 + 14 \, \pi 1^5 + 8 \, \pi 1^6 + 2 \, \pi 1^7 + \pi 1^8 \, \hat{\alpha} \right] + \\ \frac{1}{1 + 8 \, \pi 1 + 21 \, \pi 1^2 + 60 \, \pi 1^3 + 35 \, \pi 1^4 + 24 \, \pi 1^5 + 7 \, \pi 1^6 + 4 \, \pi 1^7 + 10^6 \, \hat{\alpha} \right] + \\ \left( x + 2 \operatorname{Log} \left[ -\operatorname{Cosh} \left[ \frac{x}{2} \right] - \operatorname{Sinh} \left[ \frac{x}{2} \right] + \operatorname{Cosh} \left[ \frac{x}{2} \right] \, \pi 1 - \operatorname{Sinh} \left[ \frac{x}{2} \right] \, \pi 1 \right] + 4 \, x \, \pi 1 + 8 \operatorname{Log} \left[ -\operatorname{Cosh} \left[ \frac{x}{2} \right] - \operatorname{Sinh} \left[ \frac{x}{2} \right] + \\ \\ \operatorname{Cosh} \left[ \frac{x}{2} \right] \, \pi 1 - \operatorname{Sinh} \left[ \frac{x}{2} \right] \, \pi 1 \right] \, \pi 1 + 15 \, x \, \pi 1^2 + 30 \operatorname{Log} \left[ -\operatorname{Cosh} \left[ \frac{x}{2} \right] - \operatorname{Sinh} \left[ \frac{x}{2} \right] \, \pi 1 \right] \, \pi 1^3 + 15 \, x \, \pi 1^4 + \\ 40 \, x \, \pi 1^3 + 80 \operatorname{Log} \left[ -\operatorname{Cosh} \left[ \frac{x}{2} \right] - \operatorname{Sinh} \left[ \frac{x}{2} \right] + \operatorname{Cosh} \left[ \frac{x}{2} \right] \, \pi 1 - \operatorname{Sinh} \left[ \frac{x}{2} \right] \, \pi 1 \right] \, \pi 1^3 + 15 \, x \, \pi 1^4 + \\ 30 \operatorname{Log} \left[ -\operatorname{Cosh} \left[ \frac{x}{2} \right] - \operatorname{Sinh} \left[ \frac{x}{2} \right] + \operatorname{Cosh} \left[ \frac{x}{2} \right] \, \pi 1 - \operatorname{Sinh} \left[ \frac{x}{2} \right] \, \pi 1 \right] \, \pi 1^4 + 4 \, x \, \pi 1^5 + \\ 8 \operatorname{Log} \left[ -\operatorname{Cosh} \left[ \frac{x}{2} \right] - \operatorname{Sinh} \left[ \frac{x}{2} \right] + \operatorname{Cosh} \left[ \frac{x}{2} \right] \, \pi 1 - \operatorname{Sinh} \left[ \frac{x}{2} \right] \, \pi 1 \right] \, \pi 1^5 + x \, \pi 1^6 + \\ 2 \operatorname{Log} \left[ -\operatorname{Cosh} \left[ \frac{x}{2} \right] - \operatorname{Sinh} \left[ \frac{x}{2} \right] + \operatorname{Cosh} \left[ \frac{x}{2} \right] \, \pi 1 - \operatorname{Sinh} \left[ \frac{x}{2} \right] \, \pi 1 \right] \, \pi 1^6 \right) \, \hat{\alpha} \right]$$

$$\left\{ \frac{x^2}{\cosh[x]^{3/2}} + x^2 \sqrt{\cosh[x]} , x, 3, 0 \right\}$$

$$-8 \times \sqrt{\cosh[x]} - 16 i \text{ EllipticE} \left[ \frac{i x}{2}, 2 \right] + \frac{2 \times^2 \text{Sinh}[x]}{\sqrt{\cosh[x]}}$$

$$\frac{1}{\sqrt{\cosh[x]}}$$

$$2 \left( x^2 \text{Sinh}[x] - 2 \left( \text{Cosh}[x] - \text{Sinh}[x] \right) \left( 4 \text{ Hypergeometric2F1} \left[ -\frac{1}{4}, \frac{1}{2}, \frac{3}{4}, -\text{Cosh}[2 x] - \text{Sinh}[2 x] \right] \sqrt{1 + \text{Cosh}[2 x] + \text{Sinh}[2 x]} \right. +$$

$$\left. \left( -2 + x \right) \left( 1 + \text{Cosh}[2 x] + \text{Sinh}[2 x] \right) \right)$$

#### Problems involving hyperbolic tangents

Valid but unnecessarily complicated antiderivative:

$$\{x Tanh[a+bx], x, 4, 0\}$$

$$-\frac{x^{2}}{2} + \frac{x \, \text{Log} \left[1 + e^{2 \, a + 2 \, b \, x}\right]}{b} + \frac{\text{PolyLog} \left[2 \, , \, -e^{2 \, a + 2 \, b \, x}\right]}{2 \, b^{2}}$$

$$\frac{1}{2}\left(\mathbf{x}^{2}\,\mathsf{Tanh}[\mathtt{a}] - \frac{1}{b^{2}}\left(-\mathtt{i}\,\,b\,\pi\,\,\mathbf{x} + \mathtt{i}\,\,\pi\,\mathsf{Log}\big[1 + e^{2\,b\,\mathbf{x}}\big] - 2\,b\,\mathbf{x}\,\mathsf{Log}\big[1 - e^{-2\,(b\,\mathbf{x} + \mathsf{ArcTanh}[\mathsf{Coth}[\mathtt{a}]])}\big] - \mathtt{i}\,\,\pi\,\mathsf{Log}[\mathsf{Cosh}[b\,\mathbf{x}]] - 2\,b\,\mathsf{x}\,\mathsf{Log}\big[1 - e^{-2\,(b\,\mathbf{x} + \mathsf{ArcTanh}[\mathsf{Coth}[\mathtt{a}]])}\big] - \mathsf{Log}[\mathtt{i}\,\,\mathsf{Sinh}[b\,\mathbf{x} + \mathsf{ArcTanh}[\mathsf{Coth}[\mathtt{a}]]]]\big) + 2\,\mathsf{Log}[\mathtt{i}\,\,\mathsf{Sinh}[b\,\mathbf{x} + \mathsf{ArcTanh}[\mathsf{Coth}[\mathtt{a}]]]]\big] + 2\,\mathsf{Log}[\mathtt{i}\,\,\mathsf{Sinh}[b\,\mathbf{x} + \mathsf{ArcTanh}[\mathsf{Coth}[\mathtt{a}]]]]\big] + 2\,\mathsf{Log}[\mathtt{i}\,\,\mathsf{Sinh}[b\,\mathbf{x} + \mathsf{ArcTanh}[\mathsf{Coth}[\mathtt{a}]]]]\big] + 2\,\mathsf{Log}[\mathtt{i}\,\,\mathsf{Sinh}[b\,\mathbf{x} + \mathsf{ArcTanh}[\mathsf{Coth}[\mathtt{a}]]]\big] + 2\,\mathsf{Log}[\mathtt{i}\,\,\mathsf{Sinh}[b\,\mathbf{x} + \mathsf{ArcTanh}[\mathsf{Coth}[\mathtt{a}]]\big] + 2\,\mathsf{Log}[\mathsf{i}\,\,\mathsf{Sinh}[b\,\mathbf{x} + \mathsf{ArcTanh}[\mathsf{Coth}[\mathtt{a}]]\big] + 2\,\mathsf{Log}[\mathsf{i}\,\,\mathsf{Sinh}[b\,\mathbf{x} + \mathsf{ArcTanh}[\mathsf{Coth}[\mathtt{a}]]\big] + 2\,\mathsf{Log}[\mathsf{i}\,\,\mathsf{Sinh}[b\,\mathbf{x} + \mathsf{ArcTanh}[\mathsf{i}]\big] + 2\,\mathsf$$

$$\texttt{PolyLog}\!\left[\texttt{2, e}^{-2\,\left(b\,x + \texttt{ArcTanh}\left[\texttt{Coth}\left[\texttt{a}\right]\right]\right)}\,\right] + b^2\,e^{-\texttt{ArcTanh}\left[\texttt{Coth}\left[\texttt{a}\right]\right]}\,x^2\,\sqrt{-\texttt{Csch}\left[\texttt{a}\right]^2}\,\,\texttt{Tanh}\left[\texttt{a}\right]\right)$$

Valid but unnecessarily complicated antiderivative:

$$\{x Tanh[a+bx]^3, x, 6, 0\}$$

$$-\frac{x^{2}}{2} + \frac{x \, \text{Log} \big[ 1 + e^{2 \, a + 2 \, b \, x} \big]}{b} + \frac{\text{PolyLog} \big[ 2 \, , \, -e^{2 \, a + 2 \, b \, x} \big]}{2 \, b^{2}} + \frac{x \, \text{Sech} \, [a + b \, x]^{\, 2}}{2 \, b} - \frac{\text{Tanh} \, [a + b \, x]}{2 \, b^{2}}$$

$$\frac{1}{2} \left( \frac{\texttt{i} \pi \texttt{x}}{\texttt{b}} - \frac{\texttt{i} \pi \mathsf{Log} \big[ \texttt{1} + \texttt{e}^{\texttt{2} \, \texttt{b} \, \texttt{x}} \big]}{\texttt{b}^2} + \frac{2 \, \texttt{x} \, \mathsf{Log} \big[ \texttt{1} - \texttt{e}^{-2 \, (\texttt{b} \, \texttt{x} + \texttt{ArcTanh}[\texttt{Coth}[\texttt{a}]\,)} \, \big]}{\texttt{b}} + \frac{\texttt{i} \, \pi \, \mathsf{Log}[\texttt{Cosh}[\texttt{b} \, \texttt{x}] \, ]}{\texttt{b}^2} + \frac{\texttt{o} \, \mathsf{Log}[\texttt{cosh}[\texttt{b} \, \texttt{x}] \, ]}{\texttt{o}^2} + \frac{\texttt{o} \, \mathsf{Log}[\texttt{cosh$$

$$\frac{2 \operatorname{ArcTanh}[\operatorname{Coth}[a]] \left(b \times + \operatorname{Log}\left[1 - e^{-2 (b \times + \operatorname{ArcTanh}[\operatorname{Coth}[a]])}\right] - \operatorname{Log}[i \operatorname{Sinh}[b \times + \operatorname{ArcTanh}[\operatorname{Coth}[a]]]\right)}{2}}{2}$$

$$\frac{\text{PolyLog}\!\left[\,2\,,\;e^{-2\;\left(\,b\,x+\text{ArcTanh}\left[\,\text{Coth}\left[\,a\,\right]\,\right)\,\,\right]}}{b^2}\;+\;\frac{x\;\text{Sech}\left[\,a\,+\,b\,x\,\right]^{\,2}}{b}\;.$$

$$\frac{\text{Sech[a] Sech[a+bx] Sinh[bx]}}{b^2} + x^2 \, \text{Tanh[a]} - e^{-\text{ArcTanh[Coth[a]]}} \, x^2 \, \sqrt{-\text{Csch[a]}^2} \, \, \text{Tanh[a]}$$

Valid but unnecessarily complicated antiderivative:

$$\{x^2 Tanh [a + bx]^2, x, 6, 0\}$$

$$-\frac{x^{2}}{b}+\frac{x^{3}}{3}+\frac{2 \, x \, \text{Log} \big[1+e^{2 \, \text{a}+2 \, \text{b} \, x}\big]}{b^{2}}+\frac{\text{PolyLog} \big[2 \, , \, -e^{2 \, \text{a}+2 \, \text{b} \, x}\big]}{b^{3}}-\frac{x^{2} \, \text{Tanh} \, [\, \text{a}+b \, x\, ]}{b}$$

$$\frac{\text{i}\ \pi\ x}{\text{b}^2} + \frac{\text{x}^3}{3} - \frac{\text{i}\ \pi\ \text{Log}\big[1+\text{e}^{2\ \text{b}\ x}\big]}{\text{b}^3} + \frac{2\ x\ \text{Log}\big[1-\text{e}^{-2\ (\text{b}\ x+\text{ArcTanh}[Coth[a]])}\big]}{\text{b}^2} + \frac{\text{i}\ \pi\ \text{Log}[\text{Cosh}[\text{b}\ x]]}{\text{b}^3} + \frac$$

$$\frac{2 \, \text{ArcTanh[Coth[a]]} \, \left(b \, x + \text{Log} \left[1 - e^{-2 \, \left(b \, x + \text{ArcTanh[Coth[a]]}\right)} \right] - \text{Log[i Sinh[b } x + \text{ArcTanh[Coth[a]]]}\right)}{}$$

$$\frac{\text{PolyLog}\big[2\,,\,\,e^{-2\,\,(b\,x+\text{ArcTanh}[\text{Coth}[a]]\,)}\,]}{b^3}\,-\,\frac{x^2\,\text{Sech}[a]\,\,\text{Sech}[a+b\,x]\,\,\text{Sinh}[b\,x]}{b}\,-\,\frac{e^{-\text{ArcTanh}[\text{Coth}[a]]}\,\,x^2\,\sqrt{-\text{Csch}[a]^2}\,\,\text{Tanh}[a]}{b}$$

Valid but unnecessarily complicated antiderivative:

$$\left\{\sqrt{1-Tanh[x]^2}, x, 2, 0\right\}$$

ArcSin[Tanh[x]]

2 ArcTan
$$\left[ Tanh \left[ \frac{x}{2} \right] \right] Cosh[x] \sqrt{Sech[x]^2}$$

$$\begin{split} &\left\{\sqrt{a+b\, Tanh[x]^2} \text{ , } x, \text{ 4, 0}\right\} \\ &-\sqrt{b} \, \operatorname{ArcTanh}\Big[\frac{\sqrt{b} \, \operatorname{Tanh[x]}}{\sqrt{a+b\, Tanh[x]^2}}\Big] + \sqrt{a+b} \, \operatorname{ArcTanh}\Big[\frac{\sqrt{a+b} \, \operatorname{Tanh[x]}}{\sqrt{a+b\, Tanh[x]^2}}\Big] \\ &\frac{1}{2} \left(-\sqrt{a+b} \, \operatorname{Log}\Big[\left(a+b\right)^{3/2} \left(-1 + \operatorname{Tanh[x]}\right)\Big] + \sqrt{a+b} \, \operatorname{Log}\Big[\left(a+b\right)^{3/2} \left(1 + \operatorname{Tanh[x]}\right)\Big] - 2\, \sqrt{b} \, \operatorname{Log}\Big[2 \left(b\, \operatorname{Tanh[x]} + \sqrt{b} \, \sqrt{a+b\, Tanh[x]^2}\right)\Big] - \sqrt{a+b} \, \operatorname{Log}\Big[4 \left(a-b\, \operatorname{Tanh[x]} + \sqrt{a+b} \, \sqrt{a+b\, Tanh[x]^2}\right)\Big] + \sqrt{a+b} \, \operatorname{Log}\Big[-4 \left(a+b\, \operatorname{Tanh[x]} + \sqrt{a+b} \, \sqrt{a+b\, Tanh[x]^2}\right)\Big] \Big) \end{split}$$

$$\begin{split} &\left\{\frac{1}{\sqrt{\texttt{a} + \texttt{b} \, \mathsf{Tanh}[\texttt{x}]^2}}, \, \, \texttt{x, 2, 0}\right\} \\ &\frac{\mathsf{ArcTanh}\Big[\frac{\sqrt{\texttt{a} + \texttt{b} \, \, \mathsf{Tanh}[\texttt{x}]}}{\sqrt{\texttt{a} + \texttt{b} \, \, \mathsf{Tanh}[\texttt{x}]^2}}\Big]}{\sqrt{\texttt{a} + \texttt{b}}} \\ &\frac{1}{2\sqrt{\texttt{a} + \texttt{b}}} \left(-\mathsf{Log}\Big[\sqrt{\texttt{a} + \texttt{b}} \, \, \left(-1 + \mathsf{Tanh}[\texttt{x}]\right)\Big] + \mathsf{Log}\Big[\sqrt{\texttt{a} + \texttt{b}} \, \, \left(1 + \mathsf{Tanh}[\texttt{x}]\right)\Big] - \\ &\mathsf{Log}\Big[4\left(\texttt{a} - \texttt{b} \, \mathsf{Tanh}[\texttt{x}] + \sqrt{\texttt{a} + \texttt{b}} \, \, \sqrt{\texttt{a} + \texttt{b} \, \, \mathsf{Tanh}[\texttt{x}]^2}\right)\Big] + \mathsf{Log}\Big[-4\left(\texttt{a} + \texttt{b} \, \mathsf{Tanh}[\texttt{x}] + \sqrt{\texttt{a} + \texttt{b}} \, \, \sqrt{\texttt{a} + \texttt{b} \, \, \mathsf{Tanh}[\texttt{x}]^2}\right)\Big]\Big) \end{split}$$

#### Problems involving hyperbolic cotangents

Valid but unnecessarily complicated antiderivative:

$$\{x \, Coth[a+bx], x, 4, 0\}$$

$$\begin{split} &\frac{x^2}{2} + \frac{x \, \text{Log} \big[ 1 - e^{2 \, a + 2 \, b \, x} \big]}{b} + \frac{\text{PolyLog} \big[ 2 \, , \, e^{2 \, a + 2 \, b \, x} \big]}{2 \, b^2} \\ &\frac{1}{2} \left( \frac{i \, \pi \, x}{b} + x^2 \, \text{Coth} \big[ a \big] - \frac{i \, \pi \, \text{Log} \big[ 1 + e^{2 \, b \, x} \big]}{b^2} + \frac{2 \, x \, \text{Log} \big[ 1 - e^{-2 \, (b \, x + \text{ArcTanh}[Tanh[a]])} \big]}{b} + \frac{i \, \pi \, \text{Log}[\text{Cosh}[b \, x]]}{b^2} + \frac{2 \, x \, \text{Log} \big[ 1 - e^{-2 \, (b \, x + \text{ArcTanh}[Tanh[a]])} \big]}{b^2} - \frac{2 \, \text{ArcTanh}[Tanh[a]]}{b^2} + \frac{i \, \pi \, \text{Log}[\text{Cosh}[b \, x]]}{b^2} - \frac{i \, \pi \, \text{Log}[\text{Cosh}[b \, x]]}{b^2} - e^{-\text{ArcTanh}[Tanh[a]]} \, x^2 \, \text{Coth} \big[ a \big] \, \sqrt{\text{Sech}[a]^2} \end{split}$$

Valid but unnecessarily complicated antiderivative:

$$\left\{ x \operatorname{Coth} \left[ a + b x \right]^{3}, x, 6, 0 \right\}$$

$$\frac{x^{2}}{2} - \frac{\text{Coth}[a + b \, x]}{2 \, b^{2}} - \frac{x \, \text{Csch}[a + b \, x]^{2}}{2 \, b} + \frac{x \, \text{Log}[1 - e^{2 \, a + 2 \, b \, x}]}{b} + \frac{\text{PolyLog}[2, \, e^{2 \, a + 2 \, b \, x}]}{2 \, b^{2}} \\ \frac{1}{2} \left( \frac{i \, \pi \, x}{b} + x^{2} \, \text{Coth}[a] - \frac{x \, \text{Csch}[a + b \, x]^{2}}{b} - \frac{i \, \pi \, \text{Log}[1 + e^{2 \, b \, x}]}{b^{2}} + \frac{2 \, x \, \text{Log}[1 - e^{-2 \, (b \, x + \text{ArcTanh}[Tanh[a]])}]}{b} + \frac{i \, \pi \, \text{Log}[\text{Cosh}[b \, x]]}{b^{2}} + \frac{2 \, x \, \text{Log}[1 - e^{-2 \, (b \, x + \text{ArcTanh}[Tanh[a]])}]}{b^{2}} - \frac{2 \, x \, \text{Log}[1 - e^{-2 \, (b \, x + \text{ArcTanh}[Tanh[a]])}]}{b^{2}} - \frac{2 \, x \, \text{Log}[1 - e^{-2 \, (b \, x + \text{ArcTanh}[Tanh[a]])}]}{b^{2}} - \frac{2 \, x \, \text{Log}[1 - e^{-2 \, (b \, x + \text{ArcTanh}[Tanh[a]])}]}{b^{2}} + \frac{2 \, x \, \text{Log}[1 - e^{-2 \, (b \, x + \text{ArcTanh}[Tanh[a]])}]}{b^{2}} - \frac{2 \, x \, \text{Log}[1 - e^{-2 \, (b \, x + \text{ArcTanh}[Tanh[a]])}]}{b^{2}} + \frac{2 \, x \, \text{Log}[1 - e^{-2 \, (b \, x + \text{ArcTanh}[Tanh[a]])}]}{b^{2}} + \frac{2 \, x \, \text{Log}[1 - e^{-2 \, (b \, x + \text{ArcTanh}[Tanh[a]])}]}{b^{2}} + \frac{2 \, x \, \text{Log}[1 - e^{-2 \, (b \, x + \text{ArcTanh}[Tanh[a]])}]}{b^{2}} + \frac{2 \, x \, \text{Log}[1 - e^{-2 \, (b \, x + \text{ArcTanh}[Tanh[a]])}]}{b^{2}} + \frac{2 \, x \, \text{Log}[1 - e^{-2 \, (b \, x + \text{ArcTanh}[Tanh[a]])}]}{b^{2}} + \frac{2 \, x \, \text{Log}[1 - e^{-2 \, (b \, x + \text{ArcTanh}[Tanh[a]])}]}{b^{2}} + \frac{2 \, x \, \text{Log}[1 - e^{-2 \, (b \, x + \text{ArcTanh}[Tanh[a]])}]}{b^{2}} + \frac{2 \, x \, \text{Log}[1 - e^{-2 \, (b \, x + \text{ArcTanh}[Tanh[a]])}]}{b^{2}} + \frac{2 \, x \, \text{Log}[1 - e^{-2 \, (b \, x + \text{ArcTanh}[Tanh[a]])}]}{b^{2}} + \frac{2 \, x \, \text{Log}[1 - e^{-2 \, (b \, x + \text{ArcTanh}[Tanh[a]])}]}{b^{2}} + \frac{2 \, x \, \text{Log}[1 - e^{-2 \, (b \, x + \text{ArcTanh}[Tanh[a]])}}{b^{2}} + \frac{2 \, x \, \text{Log}[1 - e^{-2 \, (b \, x + \text{ArcTanh}[Tanh[a]])}}{b^{2}} + \frac{2 \, x \, \text{Log}[1 - e^{-2 \, (b \, x + \text{ArcTanh}[Tanh[a]])}}{b^{2}} + \frac{2 \, x \, \text{Log}[1 - e^{-2 \, (b \, x + \text{ArcTanh}[Tanh[a]])}}{b^{2}} + \frac{2 \, x \, \text{Log}[1 - e^{-2 \, (b \, x + \text{ArcTanh}[Tanh[a]])}}{b^{2}} + \frac{2 \, x \, \text{Log}[1 - e^{-2 \, (b \, x + \text{ArcTanh}[Tanh[a]])}}{b^{2}} + \frac{2 \, x \, \text{Log}[1 - e^{-2 \, (b \, x + \text{ArcTanh}[Tanh[a]]$$

Valid but unnecessarily complicated antiderivative:

Valid but unnecessarily complicated antiderivative:

$$\begin{split} & \left\{ \sqrt{1 + \text{Coth}[\textbf{x}]} \text{ , } \textbf{x, 1, 0} \right\} \\ & \sqrt{2} \text{ ArcCoth} \Big[ \frac{\sqrt{1 + \text{Coth}[\textbf{x}]}}{\sqrt{2}} \Big] \\ & \frac{(1 + i) \text{ ArcTan} \Big[ \left( \frac{1}{2} + \frac{i}{2} \right) \sqrt{i \left( 1 + \text{Coth}[\textbf{x}] \right)} \right] \left( 1 + \text{Coth}[\textbf{x}] \right)^{3/2}}{\left( i \left( 1 + \text{Coth}[\textbf{x}] \right) \right)^{3/2}} \end{split}$$

$$\frac{1}{\sqrt{1 + \text{Coth}[x]}}, x, 2, 0$$
 
$$\frac{\text{ArcCoth}\left[\frac{\sqrt{1 + \text{Coth}[x]}}{\sqrt{2}}\right]}{\sqrt{2}} - \frac{1}{\sqrt{1 + \text{Coth}[x]}}$$
 
$$\frac{(1 - i) \text{ArcTan}\left[\left(\frac{1}{2} + \frac{i}{2}\right) \sqrt{i (1 + \text{Coth}[x])}\right] + (1 - i) \text{ArcTan}\left[\left(\frac{1}{2} + \frac{i}{2}\right) \sqrt{i (1 + \text{Coth}[x])}\right] \text{Coth}[x] - 2\sqrt{i (1 + \text{Coth}[x])} }$$
 
$$\frac{2\sqrt{i (1 + \text{Coth}[x])} \sqrt{1 + \text{Coth}[x]}}{\sqrt{1 + \text{Coth}[x]}}$$

Valid but unnecessarily complicated antiderivative:

$$\left\{\sqrt{1-\text{Coth}[x]^2}, x, 2, 0\right\}$$

ArcCsc[Tanh[x]]

$$\sqrt{-\text{Csch}[\textbf{x}]^2} \ \left(-\text{Log}\big[2\,\text{Cosh}\big[\frac{\textbf{x}}{2}\big]\big] + \text{Log}\big[2\,\text{Sinh}\big[\frac{\textbf{x}}{2}\big]\big]\right) \, \text{Sinh}[\textbf{x}]$$

Valid but unnecessarily complicated antiderivative:

$$\begin{split} & \left\{ \sqrt{-1 + \text{Coth}[\textbf{x}]^2} \text{ , } \textbf{x, 3, 0} \right\} \\ & - \text{ArcTanh} \Big[ \frac{\text{Coth}[\textbf{x}]}{\sqrt{\text{Csch}[\textbf{x}]^2}} \Big] \\ & \sqrt{\text{Csch}[\textbf{x}]^2} \left( - \text{Log} \Big[ 2 \, \text{Cosh} \Big[ \frac{\textbf{x}}{2} \Big] \Big] + \text{Log} \Big[ 2 \, \text{Sinh} \Big[ \frac{\textbf{x}}{2} \Big] \Big] \right) \, \text{Sinh}[\textbf{x}] \end{split}$$

Valid but unnecessarily complicated antiderivative:

$$\begin{split} &\left\{\sqrt{a+b\operatorname{Coth}[\mathbf{x}]^2} \text{ , } \mathbf{x}, \text{ 4, 0}\right\} \\ &-\sqrt{b} \operatorname{ArcTanh}\Big[\frac{\sqrt{b} \operatorname{Coth}[\mathbf{x}]}{\sqrt{a+b\operatorname{Coth}[\mathbf{x}]^2}}\Big] + \sqrt{a+b} \operatorname{ArcTanh}\Big[\frac{\sqrt{a+b} \operatorname{Coth}[\mathbf{x}]}{\sqrt{a+b\operatorname{Coth}[\mathbf{x}]^2}}\Big] \\ &\frac{1}{2} \left(-\sqrt{a+b} \operatorname{Log}\Big[\left(a+b\right)^{3/2} \left(-1+\operatorname{Coth}[\mathbf{x}]\right)\Big] + \sqrt{a+b} \operatorname{Log}\Big[\left(a+b\right)^{3/2} \left(1+\operatorname{Coth}[\mathbf{x}]\right)\Big] - 2\sqrt{b} \operatorname{Log}\Big[2 \left(b\operatorname{Coth}[\mathbf{x}] + \sqrt{b} \sqrt{a+b\operatorname{Coth}[\mathbf{x}]^2}\right)\Big] - \sqrt{a+b} \operatorname{Log}\Big[4 \left(a-b\operatorname{Coth}[\mathbf{x}] + \sqrt{a+b} \sqrt{a+b\operatorname{Coth}[\mathbf{x}]^2}\right)\Big] + \sqrt{a+b} \operatorname{Log}\Big[4 \left(a+b\operatorname{Coth}[\mathbf{x}] + \sqrt{a+b} \sqrt{a+b\operatorname{Coth}[\mathbf{x}]^2}\right)\Big] \end{split}$$

$$\left\{ \frac{1}{\sqrt{a+b \operatorname{Coth}[\mathbf{x}]^2}}, \ \mathbf{x}, \ \mathbf{2}, \ \mathbf{0} \right\}$$

$$\frac{\operatorname{ArcTanh}\left[\frac{\sqrt{a+b} \operatorname{Coth}[\mathbf{x}]}{\sqrt{a+b \operatorname{Coth}[\mathbf{x}]^2}}\right]}{\sqrt{a+b}}$$

$$\frac{1}{2\sqrt{a+b}} \left( -\operatorname{Log}\left[\sqrt{a+b} \ \left(-1+\operatorname{Coth}[\mathbf{x}]\right)\right] + \operatorname{Log}\left[\sqrt{a+b} \ \left(1+\operatorname{Coth}[\mathbf{x}]\right)\right] - \operatorname{Log}\left[-4\left(a-b \operatorname{Coth}[\mathbf{x}] + \sqrt{a+b} \ \sqrt{a+b \operatorname{Coth}[\mathbf{x}]^2}\right)\right] + \operatorname{Log}\left[4\left(a+b \operatorname{Coth}[\mathbf{x}] + \sqrt{a+b} \ \sqrt{a+b \operatorname{Coth}[\mathbf{x}]^2}\right)\right] \right)$$

$$\{(1 + Coth[x]^2)^{3/2}, x, 8, 0\}$$

$$-\frac{5}{2}\operatorname{ArcCsch}[\operatorname{Tanh}[\mathtt{x}]\,]\,+\,2\,\sqrt{2}\,\operatorname{ArcTanh}\big[\frac{\sqrt{2}\,\operatorname{Coth}[\mathtt{x}]}{\sqrt{1+\operatorname{Coth}[\mathtt{x}]^{\,2}}}\big]\,-\,\frac{1}{2}\operatorname{Coth}[\mathtt{x}]\,\sqrt{1+\operatorname{Coth}[\mathtt{x}]^{\,2}}$$

$$\frac{1}{2} \left(1 + \text{Coth}[\mathbf{x}]^2\right)^{3/2} \text{Sinh}[\mathbf{x}] \left(-\text{Cosh}[\mathbf{x}] \text{ Sech}[2\,\mathbf{x}] - \frac{\text{ArcTan}\left[\frac{\text{Cosh}[\mathbf{x}]}{\sqrt{-\text{Cosh}[2\,\mathbf{x}]}}\right] \text{Sinh}[\mathbf{x}]^2}{\left(-\text{Cosh}[2\,\mathbf{x}]\right)^{3/2}} - \frac{\text{ArcTan}\left[\frac{\text{Cosh}[\mathbf{x}]}{\sqrt{-\text{Cosh}[2\,\mathbf{x}]}}\right] + \frac{\text{ArcTan}\left[\frac{\text{Cosh}[\mathbf{x}]}{\sqrt{-\text{Cosh}[2\,\mathbf{x}]}}\right]} + \frac{\text{ArcTan}\left[\frac{\text{Cosh}[\mathbf{x}]}{\sqrt{-\text{Cosh}[2\,\mathbf{x}]}}\right]}{\left(-\text{Cosh}[2\,\mathbf{x}]\right)^{3/2}} + \frac{\text{ArcTan}\left[\frac{\text{Cosh}[\mathbf{x}]}{\sqrt{-\text{Cosh}[2\,\mathbf{x}]}\right]} + \frac{\text{ArcTan}\left[\frac{\text{Cosh}[\mathbf{x}]}{\sqrt{-\text{Cosh}[2\,\mathbf{x}]}}\right]} + \frac{\text{ArcTan}\left[\frac{\text{Cosh}[2\,\mathbf{x}]}{\sqrt{-\text{Cosh}[2\,\mathbf{x}]$$

$$\frac{4 \operatorname{ArcTanh} \left[ \frac{\operatorname{Cosh}[\mathtt{x}]}{\sqrt{\operatorname{Cosh}[\mathtt{2}\,\mathtt{x}]}} \right] \operatorname{Sinh}[\mathtt{x}]^{2}}{\operatorname{Cosh}[\mathtt{2}\,\mathtt{x}]^{3/2}} + \frac{4 \sqrt{2} \operatorname{Log} \left[ \sqrt{2} \operatorname{Cosh}[\mathtt{x}] + \sqrt{\operatorname{Cosh}[\mathtt{2}\,\mathtt{x}]} \right] \operatorname{Sinh}[\mathtt{x}]^{2}}{\operatorname{Cosh}[\mathtt{2}\,\mathtt{x}]^{3/2}}$$

#### Problems involving hyperbolic secants

Valid but unnecessarily complicated antiderivative:

$$\{x \, Sech[a+bx], x, 4, 0\}$$

$$\frac{2 \times \texttt{ArcTan} \left[ e^{a + b \times} \right]}{b} - \frac{\texttt{i PolyLog} \left[ 2 \text{, -i } e^{a + b \times} \right]}{b^2} + \frac{\texttt{i PolyLog} \left[ 2 \text{, i } e^{a + b \times} \right]}{b^2}$$

$$-\frac{1}{2\,b^2} \left( \left( -2\,\,\dot{\mathbb{1}}\,\,a + \pi - 2\,\,\dot{\mathbb{1}}\,\,b\,\,x \right) \,\,\left( \text{Log} \left[ \,1 - \,\dot{\mathbb{1}}\,\,e^{a + b\,x} \,\right] \, - \, \text{Log} \left[ \,1 + \,\dot{\mathbb{1}}\,\,e^{a + b\,x} \,\right] \,\right) \, - \, \left( - \,\dot{\mathbb{1}}\,\,a + \,\pi - \,2\,\,\dot{\mathbb{1}}\,\,b\,\,x \right) \,\,\left( - \,\dot{\mathbb{1}}\,\,a + \,\pi - \,2\,\,\dot{\mathbb{1}}\,\,a + \,\pi - \,2\,\,\dot{\mathbb{1}$$

$$(-2 \text{ i a} + \pi) \text{ Log} \Big[ \text{Cot} \Big[ \frac{1}{4} (2 \text{ i a} + \pi + 2 \text{ i b x}) \Big] \Big] + 2 \text{ i } \Big( \text{PolyLog} \Big[ 2, -\text{i } e^{\text{a+b x}} \Big] - \text{PolyLog} \Big[ 2, \text{ i } e^{\text{a+b x}} \Big] \Big) \Big]$$

Valid but unnecessarily complicated antiderivative:

$$\{x^2 \operatorname{Sech}[a+bx]^2, x, 5, 0\}$$

$$\frac{{{x}^{2}}}{b}-\frac{2 \times Log{\left[1+{{e}^{2}}^{a+2}b^{x}\right]}}{b^{2}}-\frac{PolyLog{\left[2,\,-{{e}^{2}}^{a+2}b^{x}\right]}}{b^{3}}+\frac{{{x}^{2}}\,Tanh{\left[a+b\,x\right]}}{b}$$

$$\frac{1}{b^3} \left( -i \; b \; \pi \; x + i \; \pi \; \text{Log} \left[ 1 + e^{2 \; b \; x} \right] \; - \; 2 \; b \; x \; \text{Log} \left[ 1 - e^{-2 \; (b \; x + \text{ArcTanh}[Coth[a]])} \; \right] \; - \; i \; \pi \; \text{Log} \left[ \text{Cosh} \left[ b \; x \right] \; \right] \; - \; i \; \pi \; \text{Log} \left[ \text{Cosh} \left[ b \; x \right] \; \right] \; - \; i \; \pi \; \text{Log} \left[ \text{Cosh} \left[ b \; x \right] \; \right] \; - \; i \; \pi \; \text{Log} \left[ \text{Cosh} \left[ b \; x \right] \; \right] \; - \; i \; \pi \; \text{Log} \left[ \text{Cosh} \left[ b \; x \right] \; \right] \; - \; i \; \pi \; \text{Log} \left[ \text{Cosh} \left[ b \; x \right] \; \right] \; - \; i \; \pi \; \text{Log} \left[ \text{Cosh} \left[ b \; x \right] \; \right] \; - \; i \; \pi \; \text{Log} \left[ \text{Cosh} \left[ b \; x \right] \; \right] \; - \; i \; \pi \; \text{Log} \left[ \text{Cosh} \left[ b \; x \right] \; \right] \; - \; i \; \pi \; \text{Log} \left[ \text{Cosh} \left[ b \; x \right] \; \right] \; - \; i \; \pi \; \text{Log} \left[ \text{Cosh} \left[ b \; x \right] \; \right] \; - \; i \; \pi \; \text{Log} \left[ \text{Cosh} \left[ b \; x \right] \; \right] \; - \; i \; \pi \; \text{Log} \left[ \text{Cosh} \left[ b \; x \right] \; \right] \; - \; i \; \pi \; \text{Log} \left[ \text{Cosh} \left[ b \; x \right] \; \right] \; - \; i \; \pi \; \text{Log} \left[ \text{Cosh} \left[ b \; x \right] \; \right] \; - \; i \; \pi \; \text{Log} \left[ \text{Cosh} \left[ b \; x \right] \; \right] \; - \; i \; \pi \; \text{Log} \left[ \text{Cosh} \left[ b \; x \right] \; \right] \; - \; i \; \pi \; \text{Log} \left[ \text{Cosh} \left[ b \; x \right] \; \right] \; - \; i \; \pi \; \text{Log} \left[ \text{Cosh} \left[ b \; x \right] \; \right] \; - \; i \; \pi \; \text{Log} \left[ \text{Cosh} \left[ b \; x \right] \; \right] \; - \; i \; \pi \; \text{Log} \left[ \text{Cosh} \left[ b \; x \right] \; \right] \; - \; i \; \pi \; \text{Log} \left[ \text{Cosh} \left[ b \; x \right] \; \right] \; - \; i \; \pi \; \text{Log} \left[ \text{Cosh} \left[ b \; x \right] \; \right] \; - \; i \; \pi \; \text{Log} \left[ \text{Cosh} \left[ b \; x \right] \; \right] \; - \; i \; \pi \; \text{Log} \left[ \text{Cosh} \left[ b \; x \right] \; \right] \; - \; i \; \pi \; \text{Log} \left[ \text{Cosh} \left[ b \; x \right] \; \right] \; - \; i \; \pi \; \text{Log} \left[ \text{Cosh} \left[ b \; x \right] \; \right] \; - \; i \; \pi \; \text{Log} \left[ \text{Cosh} \left[ b \; x \right] \; \right] \; - \; i \; \pi \; \text{Log} \left[ \text{Cosh} \left[ b \; x \right] \; \right] \; - \; i \; \pi \; \text{Log} \left[ \text{Cosh} \left[ b \; x \right] \; \right] \; - \; i \; \pi \; \text{Log} \left[ \text{Cosh} \left[ b \; x \right] \; \right] \; - \; i \; \pi \; \text{Log} \left[ \text{Cosh} \left[ b \; x \right] \; \right] \; - \; i \; \pi \; \text{Log} \left[ \text{Cosh} \left[ b \; x \right] \; \right] \; - \; i \; \pi \; \text{Log} \left[ \text{Cosh} \left[ b \; x \right] \; \right] \; - \; i \; \pi \; \text{Log} \left[ \text{Cosh} \left[ b \; x \right] \; \right] \; - \; i \; \pi \; \text{Log} \left[ \text{Cosh} \left[ b \; x \right] \; \right] \; - \; i \; \pi \; \text{Log} \left[ \text{Cosh} \left[ b \; x \right] \; \right] \; - \; i \; \pi \; \text{Log} \left[ \text{Cosh} \left[ b \; x \right] \; \right] \; - \; i \; \pi \; \text{Log} \left[ \text{Cosh} \left[ b$$

$$2\, \texttt{ArcTanh[Coth[a]]} \, \left(b\, x + \texttt{Log} \left[1 - e^{-2\, (b\, x + \texttt{ArcTanh[Coth[a]]})} \right] - \texttt{Log[i} \, \texttt{Sinh[b} \, x + \texttt{ArcTanh[Coth[a]]]} \right) + 2\, \texttt{ArcTanh[b} \, x + \texttt{ArcTanh[Coth[a]]} + 2\, \texttt{ArcTanh[b} \, x + \texttt{ArcTanh[b} \, x + \texttt{ArcTanh[b]} + 2\, \texttt{ArcTanh[b]} \right) + 2\, \texttt{ArcTanh[b]} + 2\, \texttt{ArcTanh$$

$$\texttt{PolyLog} \Big[ \texttt{2, e}^{-2 \text{ } (b \text{ x+ArcTanh}[Coth[a]])} \, \Big] + b^2 \text{ } x^2 \text{ Sech}[a] \text{ Sech}[a + b \text{ x}] \text{ Sinh}[b \text{ x}] + b^2 \text{ } e^{-\text{ArcTanh}[Coth[a]]} \text{ } x^2 \sqrt{-\text{Csch}[a]^2} \text{ Tanh}[a] \Big]$$

Valid but unnecessarily complicated antiderivative:

$$\{(c+dx) Sech[a+bx], x, 5, 0\}$$

$$\frac{2 \left(\texttt{c} + \texttt{d} \, \texttt{x}\right) \, \texttt{ArcTan} \left[\, \texttt{e}^{\texttt{a} + \texttt{b} \, \texttt{x}}\, \right]}{\texttt{b}} \, - \, \frac{\texttt{i} \, \texttt{d} \, \texttt{PolyLog} \left[\, \texttt{2} \, , \, \, - \, \texttt{i} \, \, \, \texttt{e}^{\texttt{a} + \texttt{b} \, \texttt{x}}\, \right]}{\texttt{b}^2} \, + \, \frac{\texttt{i} \, \, \texttt{d} \, \texttt{PolyLog} \left[\, \texttt{2} \, , \, \, \texttt{i} \, \, \, \, \, \texttt{e}^{\texttt{a} + \texttt{b} \, \texttt{x}}\, \right]}{\texttt{b}^2}$$

$$\frac{1}{b^2} \left( 2 \, b \, c \, \text{ArcTan} \left[ \text{Tanh} \left[ \frac{1}{2} \, \left( a + b \, x \right) \, \right] \, \right] \, - \, \frac{1}{2} \, d \, \left( \left( -2 \, \dot{\mathbf{i}} \, a + \pi - 2 \, \dot{\mathbf{i}} \, b \, x \right) \, \left( \text{Log} \left[ 1 - \dot{\mathbf{i}} \, e^{a + b \, x} \right] - \text{Log} \left[ 1 + \dot{\mathbf{i}} \, e^{a + b \, x} \right] \right) \, - \, \frac{1}{2} \, d \, \left( -2 \, \dot{\mathbf{i}} \, a + \pi - 2 \, \dot{\mathbf{i}} \, b \, x \right) \, \left( -2 \, \dot{\mathbf{i}} \, a + \pi - 2 \, \dot{\mathbf{i}} \, b \, x \right) \, \left( -2 \, \dot{\mathbf{i}} \, a + \pi - 2 \, \dot{\mathbf{i}} \, b \, x \right) \, \left( -2 \, \dot{\mathbf{i}} \, a + \pi - 2 \, \dot{\mathbf{i}} \, b \, x \right) \, \left( -2 \, \dot{\mathbf{i}} \, a + \pi - 2 \, \dot{\mathbf{i}} \, b \, x \right) \, \left( -2 \, \dot{\mathbf{i}} \, a + \pi - 2 \, \dot{\mathbf{i}} \, b \, x \right) \, \left( -2 \, \dot{\mathbf{i}} \, a + \pi - 2 \, \dot{\mathbf{i}} \, b \, x \right) \, \left( -2 \, \dot{\mathbf{i}} \, a + \pi - 2 \, \dot{\mathbf{i}} \, b \, x \right) \, \left( -2 \, \dot{\mathbf{i}} \, a + \pi - 2 \, \dot{\mathbf{i}} \, b \, x \right) \, \left( -2 \, \dot{\mathbf{i}} \, a + \pi - 2 \, \dot{\mathbf{i}} \, b \, x \right) \, \left( -2 \, \dot{\mathbf{i}} \, a + \pi - 2 \, \dot{\mathbf{i}} \, b \, x \right) \, \left( -2 \, \dot{\mathbf{i}} \, a + \pi - 2 \, \dot{\mathbf{i}} \, b \, x \right) \, \left( -2 \, \dot{\mathbf{i}} \, a + \pi - 2 \, \dot{\mathbf{i}} \, b \, x \right) \, \left( -2 \, \dot{\mathbf{i}} \, a + \pi - 2 \, \dot{\mathbf{i}} \, b \, x \right) \, \left( -2 \, \dot{\mathbf{i}} \, a + \pi - 2 \, \dot{\mathbf{i}} \, b \, x \right) \, \left( -2 \, \dot{\mathbf{i}} \, a + \pi - 2 \, \dot{\mathbf{i}} \, b \, x \right) \, \left( -2 \, \dot{\mathbf{i}} \, a + \pi - 2 \, \dot{\mathbf{i}} \, b \, x \right) \, \left( -2 \, \dot{\mathbf{i}} \, a + \pi - 2 \, \dot{\mathbf{i}} \, b \, x \right) \, \left( -2 \, \dot{\mathbf{i}} \, a + \pi - 2 \, \dot{\mathbf{i}} \, b \, x \right) \, \left( -2 \, \dot{\mathbf{i}} \, a + \pi - 2 \, \dot{\mathbf{i}} \, b \, x \right) \, \left( -2 \, \dot{\mathbf{i}} \, a + \pi - 2 \, \dot{\mathbf{i}} \, b \, x \right) \, \left( -2 \, \dot{\mathbf{i}} \, a + \pi - 2 \, \dot{\mathbf{i}} \, b \, x \right) \, \left( -2 \, \dot{\mathbf{i}} \, a + \pi - 2 \, \dot{\mathbf{i}} \, b \, x \right) \, \left( -2 \, \dot{\mathbf{i}} \, a + \pi - 2 \, \dot{\mathbf{i}} \, b \, x \right) \, \left( -2 \, \dot{\mathbf{i}} \, a + \pi - 2 \, \dot{\mathbf{i}} \, b \, x \right) \, \left( -2 \, \dot{\mathbf{i}} \, a + \pi - 2 \, \dot{\mathbf{i}} \, b \, x \right) \, \left( -2 \, \dot{\mathbf{i}} \, a + \pi - 2 \, \dot{\mathbf{i}} \, b \, x \right) \, \left( -2 \, \dot{\mathbf{i}} \, a + \pi - 2 \, \dot{\mathbf{i}} \, b \, x \right) \, \left( -2 \, \dot{\mathbf{i}} \, a + \pi - 2 \, \dot{\mathbf{i}} \, b \, x \right) \, \left( -2 \, \dot{\mathbf{i}} \, a + \pi - 2 \, \dot{\mathbf{i}} \, b \, x \right) \, \left( -2 \, \dot{\mathbf{i}} \, a + \pi - 2 \, \dot{\mathbf{i}} \, b \, x \right) \, \left( -2 \, \dot{\mathbf{i}} \, a + \pi - 2 \, \dot{\mathbf{i}} \, b \, x \right) \, \left( -2 \, \dot{\mathbf{i}} \, a + \pi - 2 \, \dot{\mathbf{i}} \, b \, x \right) \, \left( -2 \, \dot{\mathbf{i}} \, a + \pi - 2 \, \dot{\mathbf{i}} \, b \, x \right) \, \left( -2 \, \dot{\mathbf{i}} \, a + \pi - 2 \, \dot{\mathbf{i}} \, a$$

$$(-2 i a + \pi) \log \left[ \cot \left[ \frac{1}{4} (2 i a + \pi + 2 i b x) \right] \right] + 2 i \left( PolyLog \left[ 2, -i e^{a+b x} \right] - PolyLog \left[ 2, i e^{a+b x} \right] \right) \right)$$

Valid but unnecessarily complicated antiderivative:

$$\{(c+dx)^2 Sech[a+bx]^2, x, 6, 0\}$$

$$\frac{\left(\texttt{c} + \texttt{d}\,\texttt{x}\right)^{\,2}}{\texttt{b}} - \frac{2\,\texttt{d}\,\left(\texttt{c} + \texttt{d}\,\texttt{x}\right)\,\,\texttt{Log}\left[\texttt{1} + \texttt{e}^{2\,\texttt{a} + 2\,\texttt{b}\,\texttt{x}}\right]}{\texttt{b}^{2}} - \frac{\texttt{d}^{2}\,\,\texttt{PolyLog}\left[\texttt{2}\,\texttt{,}\,\,-\texttt{e}^{2\,\texttt{a} + 2\,\texttt{b}\,\texttt{x}}\right]}{\texttt{b}^{3}} + \frac{\left(\texttt{c} + \texttt{d}\,\texttt{x}\right)^{\,2}\,\,\texttt{Tanh}\left[\texttt{a} + \texttt{b}\,\texttt{x}\right]}{\texttt{b}}$$

$$\frac{1}{b^3} \, Sech[a] \, \left[ d^2 \, e^{-ArcTanh[Coth[a]]} \, \left( -i \, b \, e^{ArcTanh[Coth[a]]} \, \pi \, x \, Coth[a] + b^2 \, x^2 \, \sqrt{-Csch[a]^2} \right. \\ \left. + i \, e^{ArcTanh[Coth[a]]} \, \pi \, Coth[a] \, Log[1 + e^{2 \, b \, x}] - e^{2 \, b \, x} \right] + i \, e^{ArcTanh[Coth[a]]} \, \pi \, Coth[a] + e^{2 \, b \, x} \right] + i \, e^{ArcTanh[Coth[a]]} \, \pi \, Coth[a] + e^{2 \, b \, x} + i \, e^{ArcTanh[Coth[a]]} \, Toth[a] + e^{2 \, b \, x} + i \, e^{ArcTanh[Coth[a]]} \, Toth[a] + e^{2 \, b \, x} + i \, e^{ArcTanh[Coth[a]]} \, Toth[a] + e^{2 \, b \, x} + i \, e^{ArcTanh[Coth[a]]} \, Toth[a] + e^{2 \, b \, x} + i \, e^{ArcTanh[Coth[a]]} \, Toth[a] + e^{2 \, b \, x} + i \, e^{ArcTanh[Coth[a]]} \, Toth[a] + e^{2 \, b \, x} + i \, e^{ArcTanh[Coth[a]]} \, Toth[a] + e^{2 \, b \, x} + i \, e^{ArcTanh[C$$

$$2\,b\,e^{ArcTanh[Coth[a]]}\,x\,Coth[a]\,Log\big[1-e^{-2\,(b\,x+ArcTanh[Coth[a]])}\,\big]-i\,e^{ArcTanh[Coth[a]]}\,\pi\,Coth[a]\,Log[Cosh[b\,x]]-i$$

$$2\ e^{ArcTanh[Coth[a]]}\ ArcTanh[Coth[a]]\ Coth[a]\ \left(b\ x + Log\left[1 - e^{-2\ (b\ x + ArcTanh[Coth[a]])}\right] - Log\left[i\ Sinh[b\ x + ArcTanh[Coth[a]]]\right]\right) + Coth[a] + Co$$

$$e^{ArcTanh[Coth[a]]} \; Coth[a] \; PolyLog[2, \; e^{-2\;(b\;x+ArcTanh[Coth[a]])}] \bigg) \; Sinh[a] \; + \; e^{ArcTanh[Coth[a]]} \; (b) \; e^{ArcTanh[Coth[a]]} \; (c) \; e^{-arcTanh[Coth[a]]} \; (c) \;$$

$$2 b c d (-Cosh[a] Log[Cosh[a+bx]] + b x Sinh[a]) + b^2 (c+dx)^2 Sech[a+bx] Sinh[bx]$$

$$\left\{\sqrt{\operatorname{Sech}[x]^2}, x, 2, 0\right\}$$

ArcSin[Tanh[x]]

$$2\,\texttt{ArcTan}\big[\texttt{Tanh}\big[\frac{\texttt{x}}{2}\big]\big]\,\,\texttt{Cosh}[\texttt{x}]\,\,\sqrt{\texttt{Sech}[\texttt{x}]^{\,2}}$$

Valid but unnecessarily complicated antiderivative:

$$\begin{split} &\left\{\frac{1}{3+5\,\mathrm{Sech}\left[\mathbf{x}\right]},\,\,\mathbf{x},\,\,3,\,\,0\right\} \\ &\frac{\mathbf{x}}{3}-\frac{5}{6}\,\mathrm{ArcTanh}\Big[\frac{1}{2}\,\mathrm{Tanh}\Big[\frac{\mathbf{x}}{2}\Big]\Big] \\ &\frac{1}{12}\left(4\,\mathbf{x}+5\,\mathrm{Log}\Big[2\,\mathrm{Cosh}\Big[\frac{\mathbf{x}}{2}\Big]-\mathrm{Sinh}\Big[\frac{\mathbf{x}}{2}\Big]\Big]-5\,\mathrm{Log}\Big[2\,\mathrm{Cosh}\Big[\frac{\mathbf{x}}{2}\Big]+\mathrm{Sinh}\Big[\frac{\mathbf{x}}{2}\Big]\Big]\right) \end{split}$$

Valid but unnecessarily complicated antiderivative:

$$\begin{split} & \left\{ \sqrt{1 + \text{Sech}[\textbf{x}]^2} \text{, x, 4, 0} \right\} \\ & \text{ArcSin}\Big[\frac{\text{Tanh}[\textbf{x}]}{\sqrt{2}}\Big] + \text{ArcTanh}\Big[\frac{\text{Tanh}[\textbf{x}]}{\sqrt{2 - \text{Tanh}[\textbf{x}]^2}}\Big] \\ & \frac{\sqrt{2} \left( \text{ArcSinh}\Big[\frac{\text{Sinh}[\textbf{x}]}{\sqrt{2}}\Big] + \text{ArcTan}\Big[\frac{\sqrt{2} \text{ Sinh}[\textbf{x}]}{\sqrt{3 + \text{Cosh}[2\textbf{x}]}}\Big] \right) \text{Cosh}[\textbf{x}] \sqrt{1 + \text{Sech}[\textbf{x}]^2}}{\sqrt{3 + \text{Cosh}[2\textbf{x}]}} \end{split}$$

Valid but unnecessarily complicated antiderivative:

$$\left\{ \sqrt{a + b \operatorname{Sech}[x]^2} , x, 4, 0 \right\}$$

$$\sqrt{b} \operatorname{ArcTan}\left[\frac{\sqrt{b} \operatorname{Tanh}[x]}{\sqrt{a + b \operatorname{Sech}[x]^2}}\right] + \sqrt{a} \operatorname{ArcTanh}\left[\frac{\sqrt{a} \operatorname{Tanh}[x]}{\sqrt{a + b \operatorname{Sech}[x]^2}}\right]$$

$$\frac{1}{a + 2b + a \operatorname{Cosh}[2 x]} \sqrt{2} \operatorname{Cosh}[x]$$

$$\left( \sqrt{b} \operatorname{ArcTan}\left[\frac{\sqrt{2} \sqrt{b} \operatorname{Sinh}[x]}{\sqrt{a + 2b + a \operatorname{Cosh}[2 x]}}\right] \sqrt{a + 2b + a \operatorname{Cosh}[2 x]} + \sqrt{a} \sqrt{a + b} \operatorname{ArcSinh}\left[\frac{\sqrt{a} \operatorname{Sinh}[x]}{\sqrt{a + b}}\right] \sqrt{\frac{a + 2b + a \operatorname{Cosh}[2 x]}{a + b}} \right)$$

$$\sqrt{a + b \operatorname{Sech}[x]^2}$$

Valid but unnecessarily complicated antiderivative:

$$\left\{ \frac{1}{\sqrt{1 + \operatorname{Sech}[\mathbf{x}]^2}}, \mathbf{x}, 2, 0 \right\}$$

$$\operatorname{ArcTanh}\left[ \frac{\operatorname{Tanh}[\mathbf{x}]}{\sqrt{2 - \operatorname{Tanh}[\mathbf{x}]^2}} \right]$$

$$\operatorname{ArcTanh}\left[ \frac{\sqrt{2} \, \sinh[\mathbf{x}]}{\sqrt{3 + \operatorname{Cosh}[2\,\mathbf{x}]}} \right] \sqrt{3 + \operatorname{Cosh}[2\,\mathbf{x}]} \, \operatorname{Sech}[\mathbf{x}]$$

$$\frac{\sqrt{2} \, \sqrt{1 + \operatorname{Sech}[\mathbf{x}]^2}}{\sqrt{2} \, \sqrt{1 + \operatorname{Sech}[\mathbf{x}]^2}}$$

$$\left\{ \frac{1}{\sqrt{-1 - \operatorname{Sech}[\mathbf{x}]^2}}, \mathbf{x}, 2, 0 \right\}$$

$$\operatorname{ArcTan}\left[\frac{\operatorname{Tanh}[\mathbf{x}]}{\sqrt{-2 + \operatorname{Tanh}[\mathbf{x}]^2}}\right]$$

$$\operatorname{ArcTanh}\left[\frac{\sqrt{2} \, \operatorname{Sinh}[\mathbf{x}]}{\sqrt{3 + \operatorname{Cosh}[2\,\mathbf{x}]}}\right] \sqrt{3 + \operatorname{Cosh}[2\,\mathbf{x}]} \, \operatorname{Sech}[\mathbf{x}]$$

$$\frac{\sqrt{2} \, \sqrt{-1 - \operatorname{Sech}[\mathbf{x}]^2}}{\sqrt{2} \, \sqrt{-1 - \operatorname{Sech}[\mathbf{x}]^2}}$$

Valid but unnecessarily complicated antiderivative:

$$\begin{split} & \left\{ \frac{1}{\sqrt{a+b\, \text{Sech}[x]^2}}, \, x, \, 2, \, 0 \right\} \\ & \frac{\text{ArcTanh}\left[\frac{\sqrt{a\, \text{Tanh}[x]}}{\sqrt{a+b\, \text{Sech}[x]^2}}\right]}{\sqrt{a}} \\ & \frac{\text{ArcTanh}\left[\frac{\sqrt{2}\, \sqrt{a\, \text{Sinh}[x]}}{\sqrt{a+2\, b+a\, \text{Cosh}[2\, x]}}\right] \sqrt{a+2\, b+a\, \text{Cosh}[2\, x]} \, \, \text{Sech}[x]}{\sqrt{2}\, \sqrt{a}\, \sqrt{a}\, \sqrt{a+b\, \text{Sech}[x]^2}} \end{split}$$

Valid but unnecessarily complicated antiderivative:

$$\left\{ \left(1 + \operatorname{Sech}[x]^{2}\right)^{3/2}, \, x, \, 7, \, 0 \right\}$$

$$2 \operatorname{ArcSin}\left[\frac{\operatorname{Tanh}[x]}{\sqrt{2}}\right] + \operatorname{ArcTanh}\left[\frac{\operatorname{Tanh}[x]}{\sqrt{2 - \operatorname{Tanh}[x]^{2}}}\right] + \frac{1}{2} \operatorname{Tanh}[x] \sqrt{2 - \operatorname{Tanh}[x]^{2}}$$

$$\frac{1}{4 \; (1 + \operatorname{Cosh}[x]) \; \sqrt{\frac{3 + \operatorname{Cosh}[2\,x]}{(1 + \operatorname{Cosh}[x])^{2}}}} \operatorname{Sech}[x] \; \sqrt{1 + \operatorname{Sech}[x]^{2}} \; \left[24 \; (-1)^{1/4} \operatorname{Cosh}[x]^{2} \operatorname{EllipticF}\left[i \operatorname{ArcSinh}\left[(-1)^{1/4} \operatorname{Tanh}\left[\frac{x}{2}\right]\right], \, -1\right] - \right.$$

$$32 \; (-1)^{1/4} \operatorname{Cosh}[x]^{2} \operatorname{EllipticPi}\left[-i, \; i \operatorname{ArcSinh}\left[(-1)^{1/4} \operatorname{Tanh}\left[\frac{x}{2}\right]\right], \, -1\right] -$$

$$8 \; (-1)^{1/4} \operatorname{EllipticPi}\left[i, \operatorname{ArcSin}\left[(-1)^{3/4} \operatorname{Tanh}\left[\frac{x}{2}\right]\right], \, -1\right] - 8 \; (-1)^{1/4} \operatorname{Cosh}[2\,x] \; \operatorname{EllipticPi}\left[i, \operatorname{ArcSin}\left[(-1)^{3/4} \operatorname{Tanh}\left[\frac{x}{2}\right]\right], \, -1\right] +$$

$$\sqrt{(3 + \cosh[2x]) \operatorname{Sech}\left[\frac{x}{2}\right]^4} \operatorname{Sinh}[x] + \operatorname{Cosh}[x] \sqrt{(3 + \cosh[2x]) \operatorname{Sech}\left[\frac{x}{2}\right]^4} \operatorname{Sinh}[x]$$

$$\left\{ \left( -1 - \operatorname{Sech}[\mathbf{x}]^2 \right)^{3/2}, \ \mathbf{x}, \ \mathbf{8}, \ \mathbf{0} \right\}$$
 
$$\operatorname{ArcTan}\left[ \frac{\operatorname{Tanh}[\mathbf{x}]}{\sqrt{-2 + \operatorname{Tanh}[\mathbf{x}]^2}} \right] + 2 \operatorname{ArcTanh}\left[ \frac{\operatorname{Tanh}[\mathbf{x}]}{\sqrt{-2 + \operatorname{Tanh}[\mathbf{x}]^2}} \right] - \frac{1}{2} \operatorname{Tanh}[\mathbf{x}] \sqrt{-2 + \operatorname{Tanh}[\mathbf{x}]^2}$$

Incorrect antiderivative:

$$\begin{split} \left\{ \text{Sech} \left[ a + \frac{\text{Log} \left[ c \; x^n \right]}{n \; (-2 + p)} \right]^p, \; x, \; 1, \; 0 \right\} \\ & \frac{\left( 2 - p \right) \; x \, \text{Sech} \left[ a - \frac{\text{Log} \left[ c \; x^n \right]}{n \; (2 - p)} \right]^{-2 + p}}{1 - p} + \frac{\left( 2 - p \right) \; x \, \text{Sech} \left[ a - \frac{\text{Log} \left[ c \; x^n \right]}{n \; (2 - p)} \right]^{-1 + p} \, \text{Sinh} \left[ a - \frac{\text{Log} \left[ c \; x^n \right]}{n \; (2 - p)} \right]}{1 - p} \\ & \frac{2^{-1 + p} \; e^a \; \left( -2 + p \right) \; x \; \left( c \; x^n \right)^{\frac{1}{n \; (-2 + p)}}}{\left[ \frac{e^{\frac{a \; (2 + p)}{-2 + p}} \left( c \; x^n \right)^{\frac{1}{n \; (-2 + p)}}}{\left[ \frac{4a}{e^{-2 + p}} + e^{\frac{2ap}{-2 + p}} \left( c \; x^n \right)^{\frac{2}{n \; (-2 + p)}}} \right]}{-1 + p} \end{split}$$

Incorrect antiderivative:

$$\begin{split} \left\{ \text{Sech} \left[ a - \frac{\text{Log} \left[ c \; x^n \right]}{n \; \left( -2 + p \right)} \right]^p, \; x, \; 1, \; 0 \right\} \\ & \frac{\left( 2 - p \right) \; x \, \text{Sech} \left[ a + \frac{\text{Log} \left[ c \; x^n \right]}{n \; \left( 2 - p \right)} \right]^{-2 + p}}{1 - p} - \frac{\left( 2 - p \right) \; x \, \text{Sech} \left[ a + \frac{\text{Log} \left[ c \; x^n \right]}{n \; \left( 2 - p \right)} \right]^{-1 + p} \, \text{Sinh} \left[ a + \frac{\text{Log} \left[ c \; x^n \right]}{n \; \left( 2 - p \right)} \right]}{1 - p} \\ & \frac{1 - p}{2^{-1 + p} \; e^{-a} \; \left( -2 + p \right) \; x \; \left( c \; x^n \right)^{\frac{1}{n \; \left( -2 + p \right)}} \left( \frac{e^{\frac{a \; \left( 2 + p \right)}{2 + p}} \left( c \; x^n \right)^{\frac{1}{n \; \left( -2 + p \right)}}}{\left[ \frac{2 a p}{e^{-2 + p} + e^{-2 + p}} \left( c \; x^n \right)^{\frac{1}{n \; \left( -2 + p \right)}} \right)}{2 - 1 + p} \end{split}$$

#### Problems involving hyperbolic cosecants

Valid but unnecessarily complicated antiderivative:

$$\begin{split} & \left\{ \text{Csch}\left[a+b\,x\right]\,,\;x,\;1,\;0\right\} \\ & -\frac{\text{ArcCoth}\left[\text{Cosh}\left[a+b\,x\right]\,\right]}{b} \\ & -\text{Log}\left[2\,\text{Cosh}\left[\frac{1}{2}\,\left(a+b\,x\right)\,\right]\,\right] + \text{Log}\left[2\,\text{Sinh}\left[\frac{1}{2}\,\left(a+b\,x\right)\,\right]\,\right]}{b} \end{split}$$

Valid but unnecessarily complicated antiderivative:

$$\{x \operatorname{Csch}[a+bx], x, 4, 0\}$$

$$-\frac{2 \times \text{ArcTanh}\left[e^{a+b \cdot x}\right]}{b} - \frac{\text{PolyLog}\left[2, -e^{a+b \cdot x}\right]}{b^2} + \frac{\text{PolyLog}\left[2, e^{a+b \cdot x}\right]}{b^2}$$

$$-\frac{1}{b^2} \left( a \log\left[1 - e^{-a-b \cdot x}\right] + b \cdot x \log\left[1 - e^{-a-b \cdot x}\right] - a \cdot \log\left[1 + e^{-a-b \cdot x}\right] - a \cdot \left[1 + e^{-a-b \cdot$$

$$b^{2} \left( \begin{array}{c} a \log \left[ 1 + e^{-a-b x} \right] + B x \log \left[ 1 + e^{-a-b x} \right] - a \log \left[ Tanh \left[ \frac{1}{2} (a + b x) \right] \right] + PolyLog \left[ 2, -e^{-a-b x} \right] - PolyLog \left[ 2, e^{-a-b x} \right] \right)$$

2

Valid but unnecessarily complicated antiderivative:

$$\{x^2 \operatorname{Csch}[a + b x]^2, x, 5, 0\}$$

$$-\frac{x^{2}}{b}-\frac{x^{2} \, \texttt{Coth[a+bx]}}{b}+\frac{2 \, x \, \texttt{Log[1-e^{2\,a+2\,b\,x}]}}{b^{2}}+\frac{\texttt{PolyLog[2, e^{2\,a+2\,b\,x}]}}{b^{3}}$$

$$\frac{1}{b^3} \operatorname{Csch}[a] \left( -b^2 e^{-\operatorname{ArcTanh}[\operatorname{Tanh}[a]]} x^2 \operatorname{Cosh}[a] \sqrt{\operatorname{Sech}[a]^2} + i b \pi x \operatorname{Sinh}[a] - b^3 \right)$$

$$\begin{array}{l} \text{i} \ \pi \, \text{Log} \big[ 1 + e^{2 \, b \, x} \big] \, \text{Sinh} [a] \ + 2 \, b \, x \, \text{Log} \big[ 1 - e^{-2 \, (b \, x + \text{ArcTanh}[Tanh[a]])} \big] \, \text{Sinh} [a] \ + \, i \, \pi \, \text{Log}[\text{Cosh}[b \, x]] \, \text{Sinh}[a] \ + \\ 2 \, \text{ArcTanh}[Tanh[a]] \, \left( b \, x + \, \text{Log} \big[ 1 - e^{-2 \, (b \, x + \text{ArcTanh}[Tanh[a]])} \big] - \, \text{Log}[i \, \text{Sinh}[b \, x + \, \text{ArcTanh}[Tanh[a]]]] \right) \, \text{Sinh}[a] \ - \\ 2 \, \text{ArcTanh}[Tanh[a]] \, \left( b \, x + \, \text{Log} \big[ 1 - e^{-2 \, (b \, x + \text{ArcTanh}[Tanh[a]])} \big] \, \text{Sinh}[a] \ + \\ 2 \, \text{ArcTanh}[Tanh[a]] \, \left( b \, x + \, \text{Log} \big[ 1 - e^{-2 \, (b \, x + \, \text{ArcTanh}[Tanh[a]])} \big] \, \text{Sinh}[a] \ + \\ 2 \, \text{ArcTanh}[Tanh[a]] \, \left( b \, x + \, \text{Log} \big[ 1 - e^{-2 \, (b \, x + \, \text{ArcTanh}[Tanh[a]])} \big] \, \text{Sinh}[a] \ + \\ 2 \, \text{ArcTanh}[Tanh[a]] \, \left( b \, x + \, \text{Log} \big[ 1 - e^{-2 \, (b \, x + \, \text{ArcTanh}[Tanh[a]])} \big] \, \text{Sinh}[a] \ + \\ 2 \, \text{ArcTanh}[Tanh[a]] \, \left( b \, x + \, \text{Log} \big[ 1 - e^{-2 \, (b \, x + \, \text{ArcTanh}[Tanh[a]])} \big] \, \text{Sinh}[a] \ + \\ 2 \, \text{ArcTanh}[Tanh[a]] \, \left( b \, x + \, \text{Log} \big[ 1 - e^{-2 \, (b \, x + \, \text{ArcTanh}[Tanh[a]])} \big] \, \text{ArcTanh}[Tanh[a]] \, \right) \, \text{ArcTanh}[Tanh[a]] \, \right) \, \text{ArcTanh}[Tanh[a]] \, \left( b \, x + \, \text{ArcTanh}[Tanh[a]] \, \right) \, \text{ArcTanh}[Tanh[a]] \, \left( b \, x + \, \text{ArcTanh}[Tanh[a]] \, \right) \, \text{ArcTanh}[Tanh[a]] \, \right) \, \text{ArcTanh}[Tanh[a]] \, \left( b \, x + \, \text{ArcTanh}[Tanh[a]] \, \right) \, \text{ArcTanh}[Tanh[a]] \, \right) \, \text{ArcTanh}[Tanh[a]] \, \left( b \, x + \, \text{ArcTanh}[Tanh[a]] \, \right) \, \text{ArcTanh}[Tanh[a]] \, \right) \, \text{ArcTanh}[Tanh[a]] \, \left( b \, x + \, \text{ArcTanh}[Tanh[a]] \, \right) \, \text{ArcTanh}[Tanh[a]] \, \left( b \, x + \, \text{ArcTanh}[Tanh[a]] \, \right) \, \text{ArcTanh}[Tanh[a]] \, \right) \, \text{ArcTanh}[Tanh[a]] \, \left( b \, x + \, \text{ArcTanh}[Tanh[a]] \, \right) \, \text{ArcTanh}[Tanh[a]] \, \right) \, \text{ArcTanh}[Tanh[a]] \, \left( b \, x + \, \text{ArcTanh}[Tanh[a]] \, \right) \, \text{ArcTanh}[Tanh[a]] \, \left( b \, x + \, \text{ArcTanh}[Tanh[a]] \, \right) \, \text{ArcTanh}[Tanh[a]] \, \right) \, \text{ArcTanh}[Tanh[a]] \, \left( b \, x + \, \text{ArcTanh}[Tanh[a]] \, \right) \, \text{ArcTanh}[Tanh[a]] \, \left( b \, x + \, \text{ArcTanh}[Tanh[a]] \, \right) \, \text{ArcTanh}[Tanh[a]] \, \left( b \, x + \, \text{ArcTanh}[Tanh[a]] \, \right) \, \text{ArcTanh}[Tanh[a]] \, \left( b \, x$$

$$\texttt{PolyLog} \Big[ \texttt{2, } e^{-2 \, (b \, x + \texttt{ArcTanh}[Tanh[a]])} \, \Big] \, \texttt{Sinh[a]} \, + \, b^2 \, x^2 \, \texttt{Csch[a+bx]} \, \, \texttt{Sinh[bx]} \Big]$$

Valid but unnecessarily complicated antiderivative:

$$\{x \operatorname{Csch}[a + b x]^3, x, 5, 0\}$$

$$\frac{x \, ArcTanh \left[ \, e^{a+b \, x} \, \right]}{b} \, - \, \frac{Csch \left[ \, a+b \, x \, \right]}{2 \, b^2} \, - \, \frac{x \, Coth \left[ \, a+b \, x \, \right] \, Csch \left[ \, a+b \, x \, \right]}{2 \, b} \, + \, \frac{PolyLog \left[ \, 2 \, , \, -e^{a+b \, x} \, \right]}{2 \, b^2} \, - \, \frac{PolyLog \left[ \, 2 \, , \, e^{a+b \, x} \, \right]}{2 \, b^2} \, - \, \frac{PolyLog \left[ \, a+b \, x \, \right]}{2 \, b^2} \, - \, \frac{PolyLog \left[ \, a$$

$$\frac{1}{8 b^2} \left( -b \times Csch \left[ \frac{1}{2} (a + b \times) \right]^2 - 4 a Log \left[ 1 - e^{-a - b \times} \right] - 4 b \times Log \left[ 1 - e^{-a - b \times} \right] + 4 a Log \left[ 1 + e^{-a - b \times} \right] + 4 a Log \left[ 1 + e^{-a - b \times} \right] + 4 a Log \left[ 1 - e^{-a - b \times} \right] + 4 a Log \left$$

$$4 b \times Log[1 + e^{-a-b \times}] + 4 a Log[Tanh[\frac{1}{2}(a + b \times)]] - 4 PolyLog[2, -e^{-a-b \times}] + 4 PolyLog[2, e^{-a-b \times}]$$

$$b \times \text{Sech} \left[\frac{1}{2} \left(a + b \times \right)\right]^2 + 2 \cdot \text{Csch} \left[\frac{a}{2}\right] \cdot \text{Csch} \left[\frac{1}{2} \left(a + b \times \right)\right] \cdot \text{Sinh} \left[\frac{b \times a}{2}\right] + 2 \cdot \text{Sech} \left[\frac{a}{2}\right] \cdot \text{Sech} \left[\frac{1}{2} \left(a + b \times \right)\right] \cdot \text{Sinh} \left[\frac{b \times a}{2}\right] + 2 \cdot \text{Sech} \left[\frac{a}{2}\right] \cdot \text{Sech} \left[\frac{1}{2} \left(a + b \times a\right)\right] \cdot \text{Sinh} \left[\frac{b \times a}{2}\right] + 2 \cdot \text{Sech} \left[\frac{a}{2}\right] \cdot \text{Sech} \left[\frac{1}{2} \left(a + b \times a\right)\right] \cdot \text{Sinh} \left[\frac{b \times a}{2}\right] + 2 \cdot \text{Sech} \left[\frac{a}{2}\right] \cdot$$

$$\{(c+dx) Csch[a+bx], x, 5, 0\}$$

$$-\frac{2\;(\text{c}+\text{d}\,\text{x})\;\text{ArcTanh}\left[\,\text{e}^{\text{a}+\text{b}\,\text{x}}\,\right]}{\text{b}}\;-\;\frac{\text{d}\;\text{PolyLog}\left[\,\text{2}\;,\;\;-\text{e}^{\text{a}+\text{b}\,\text{x}}\,\right]}{\text{b}^2}\;+\;\frac{\text{d}\;\text{PolyLog}\left[\,\text{2}\;,\;\;\text{e}^{\text{a}+\text{b}\,\text{x}}\,\right]}{\text{b}^2}$$

$$\frac{1}{b^2} \left( a \, d \, \text{Log} \left[ 1 - e^{-a - b \, x} \right] + b \, d \, x \, \text{Log} \left[ 1 - e^{-a - b \, x} \right] - a \, d \, \text{Log} \left[ 1 + e^{-a - b \, x} \right] - b \, d \, x \, \text{Log} \left[ 1 + e^{-a - b \, x} \right] - b \, c \, \text{Log} \left[ 2 \, \text{Cosh} \left[ \frac{1}{2} \, \left( a + b \, x \right) \, \right] \right] + b \, d \, x \, \text{Log} \left[ 2 \, \text{Sinh} \left[ \frac{1}{2} \, \left( a + b \, x \right) \, \right] \right] - a \, d \, \text{Log} \left[ \text{Tanh} \left[ \frac{1}{2} \, \left( a + b \, x \right) \, \right] \right] + d \, \text{PolyLog} \left[ 2 \, , \, -e^{-a - b \, x} \right] - d \, \text{PolyLog} \left[ 2 \, , \, e^{-a - b \, x} \right] \right)$$

$$\left\{ (c+d\,x)^{\,2} \, Csch [a+b\,x]^{\,2}, \, x, \, 6, \, 0 \right\} \\ - \frac{(c+d\,x)^{\,2}}{b} - \frac{(c+d\,x)^{\,2} \, Coth [a+b\,x]}{b} + \frac{2\,d \, (c+d\,x) \, Log \big[1-e^{2\,a+2\,b\,x}\big]}{b^{\,2}} + \frac{d^{\,2} \, PolyLog \big[2, \, e^{2\,a+2\,b\,x}\big]}{b^{\,3}} \\ - \frac{1}{b^{\,3}} \, Csch [a] \, \left( -2\,b\,c\,d \, (b\,x\,Cosh [a] - Log [Sinh [a+b\,x]] \, Sinh [a]) + b^{\,2} \, (c+d\,x)^{\,2} \, Csch [a+b\,x] \, Sinh [b\,x] + \right. \\ \left. d^{\,2} \, e^{-ArcTanh [Tanh [a]]} \, Cosh [a] \, \left( -b^{\,2} \, x^{\,2} \, \sqrt{Sech [a]^{\,2}} + i \, b \, e^{ArcTanh [Tanh [a])} \, \pi \, x \, Tanh [a] - i \, e^{ArcTanh [Tanh [a])} \, \pi \, Log \big[1+e^{2\,b\,x}\big] \, Tanh [a] + \\ \left. 2\, b \, e^{ArcTanh [Tanh [a])} \, x \, Log \big[1-e^{-2\,(b\,x+ArcTanh [Tanh [a]))}\big] \, Tanh [a] + i \, e^{ArcTanh [Tanh [a])} \, \pi \, Log \big[Cosh [b\,x]\big] \, Tanh [a] + \\ \left. 2\, e^{ArcTanh [Tanh [a])} \, ArcTanh [Tanh [a]] \, \left( b\,x + Log \big[1-e^{-2\,(b\,x+ArcTanh [Tanh [a]))} \big] - Log \big[i \, Sinh [b\,x + ArcTanh [Tanh [a]]]\big] \right) \, Tanh [a] - \\ \left. e^{ArcTanh [Tanh [a])} \, PolyLog \big[2, \, e^{-2\,(b\,x+ArcTanh [Tanh [a]))} \, Tanh [a] \right) \right)$$

Valid but unnecessarily complicated antiderivative:

$$\frac{\left(\text{c} + \text{d}\,\text{x}\right)\,\text{Csch}\left[\text{a} + \text{b}\,\text{x}\right]^{3},\,\,\text{x, 6, 0}}{\text{b}} \\ \frac{\left(\text{c} + \text{d}\,\text{x}\right)\,\text{ArcTanh}\left[\text{e}^{\text{a}+\text{b}\,\text{x}}\right]}{\text{b}} - \frac{\text{d}\,\text{Csch}\left[\text{a} + \text{b}\,\text{x}\right]}{2\,\text{b}^{2}} - \frac{\left(\text{c} + \text{d}\,\text{x}\right)\,\text{Coth}\left[\text{a} + \text{b}\,\text{x}\right]\,\text{Csch}\left[\text{a} + \text{b}\,\text{x}\right]}{2\,\text{b}} + \frac{\text{d}\,\text{PolyLog}\left[2\,,\,\,-\text{e}^{\text{a}+\text{b}\,\text{x}}\right]}{2\,\text{b}^{2}} - \frac{\text{d}\,\text{PolyLog}\left[2\,,\,\,\text{e}^{\text{a}+\text{b}\,\text{x}}\right]}{2\,\text{b}^{2}} \\ - \frac{1}{8\,\text{b}^{2}}\left[\text{b}\,\text{c}\,\text{Csch}\left[\frac{1}{2}\,\left(\text{a} + \text{b}\,\text{x}\right)\,\right]^{2} + \text{b}\,\text{d}\,\text{x}\,\text{Csch}\left[\frac{1}{2}\,\left(\text{a} + \text{b}\,\text{x}\right)\,\right]^{2} + 4\,\text{a}\,\text{d}\,\text{Log}\left[1 - \text{e}^{-\text{a}-\text{b}\,\text{x}}\right] + 4\,\text{b}\,\text{d}\,\text{x}\,\text{Log}\left[1 - \text{e}^{-\text{a}-\text{b}\,\text{x}}\right] - 4\,\text{b}\,\text{d}\,\text{x}\,\text{Log}\left[1 - \text{e}^{-\text{a}-\text{b}\,\text{x}}\right] + 4\,\text{b}\,\text{d}\,\text{x}\,\text{Log}\left[1 - \text{e}^{-\text{a}-\text{b}\,\text{x}}\right] - 4\,\text{b}\,\text{c}\,\text{Log}\left[\text{Cosh}\left[\frac{1}{2}\,\left(\text{a} + \text{b}\,\text{x}\right)\,\right]\right] + 4\,\text{b}\,\text{c}\,\text{Log}\left[\text{Sinh}\left[\frac{1}{2}\,\left(\text{a} + \text{b}\,\text{x}\right)\,\right]\right] - 4\,\text{d}\,\text{d}\,\text{PolyLog}\left[2\,,\,\,\text{e}^{-\text{a}-\text{b}\,\text{x}}\right] + 4\,\text{d}\,\text{PolyLog}\left[2\,,\,\,\text{e}^{-\text{a}-\text{b}\,\text{x}}\right] + b\,\text{c}\,\text{Sech}\left[\frac{1}{2}\,\left(\text{a} + \text{b}\,\text{x}\right)\,\right]\right] + 4\,\text{d}\,\text{PolyLog}\left[2\,,\,\,\text{e}^{-\text{a}-\text{b}\,\text{x}}\right] - 4\,\text{d}\,\text{PolyLog}\left[2\,,\,\,\text{e}^{-\text{a}-\text{b}\,\text{x}}\right] + b\,\text{c}\,\text{Sech}\left[\frac{1}{2}\,\left(\text{a} + \text{b}\,\text{x}\right)\,\right]\right] + 4\,\text{d}\,\text{PolyLog}\left[2\,,\,\,\text{e}^{-\text{a}-\text{b}\,\text{x}}\right] - 4\,\text{d}\,\text{PolyLog}\left[2\,,\,\,\text{e}^{-\text{a}-\text{b}\,\text{x}}\right] + b\,\text{c}\,\text{Sech}\left[\frac{1}{2}\,\left(\text{a} + \text{b}\,\text{x}\right)\,\right]\right] + 4\,\text{d}\,\text{PolyLog}\left[2\,,\,\,\text{e}^{-\text{a}-\text{b}\,\text{x}}\right] + b\,\text{c}\,\text{Sech}\left[\frac{1}{2}\,\left(\text{a} + \text{b}\,\text{x}\right)\,\right]\right] + 4\,\text{d}\,\text{PolyLog}\left[2\,,\,\,\text{e}^{-\text{a}-\text{b}\,\text{x}}\right] + 4\,\text{d}\,\text{PolyLog}\left[2\,,\,\,\text{e}^{-\text{a}-\text{b}\,\text{x}}\right] + 4\,\text{d}\,\text{$$

$$\{\sqrt{-\text{Csch}[x]^2}, x, 2, 0\}$$

ArcCsc[Tanh[x]]

$$\sqrt{-\text{Csch}[\mathtt{x}]^2} \ \left(-\text{Log}\big[\, 2\, \text{Cosh}\big[\, \frac{\mathtt{x}}{2} \,\big] \,\big] + \text{Log}\big[\, 2\, \text{Sinh}\big[\, \frac{\mathtt{x}}{2} \,\big] \,\big] \right) \, \text{Sinh}[\mathtt{x}]$$

Valid but unnecessarily complicated antiderivative:

$$\begin{split} & \left\{ \sqrt{a \, \text{Csch}[\mathbf{x}]^{\,2}} \,\,,\, \, \mathbf{x},\, \, 2\,,\, \, 0 \right\} \\ & - \text{ArcCoth}[\, \text{Cosh}[\,\mathbf{x}] \,] \,\, \sqrt{a \, \text{Csch}[\,\mathbf{x}]^{\,2}} \,\, \text{Sinh}[\,\mathbf{x}] \\ & \sqrt{a \, \text{Csch}[\,\mathbf{x}]^{\,2}} \,\, \left( - \text{Log}\big[\, 2 \, \text{Cosh}\big[\frac{\mathbf{x}}{2}\big] \,\big] + \text{Log}\big[\, 2 \, \text{Sinh}\big[\frac{\mathbf{x}}{2}\big] \,\big] \right) \, \text{Sinh}[\,\mathbf{x}] \end{split}$$

Valid but unnecessarily complicated antiderivative:

$$\left\{ \frac{1}{\sqrt{a+i\,a\,Csch[x]}},\,\,x,\,\,1,\,\,0 \right\}$$

$$\frac{\left[\sqrt{2}\,\operatorname{ArcTan}\left[\frac{\sqrt{2}\,\sqrt{a}}{\sqrt{-a+i\,a\,Csch[x]}}\right] + 2\operatorname{ArcTan}\left[\frac{\sqrt{-a+i\,a\,Csch[x]}}{\sqrt{a}}\right]\right]\sqrt{-a+i\,a\,Csch[x]}\,\,\sqrt{a+i\,a\,Csch[x]}\,\,\operatorname{Tanh}[x]}{a^{3/2}}$$

$$\left[\sqrt{a}\,\operatorname{Coth}[x]\,\left(\sqrt{2}\,\operatorname{ArcTan}\left[\frac{\sqrt{2}\,\sqrt{a}}{\sqrt{i\,a\,(i+Csch[x])}}\right] - i\left[\operatorname{Log}\left[\frac{2\,i\,a\,\left(2\,\sqrt{a}\,+i\,\sqrt{i\,a\,(i+Csch[x])}\,+\sqrt{a+i\,a\,Csch[x]}\right)}{\sqrt{a}\,+\sqrt{a+i\,a\,Csch[x]}}\right] + i\left[\operatorname{Log}\left[\frac{4\,i\,a^{3/2} - 2\,a\,\left(\sqrt{i\,a\,(i+Csch[x])}\,+i\,\sqrt{a+i\,a\,Csch[x]}\right)}{-\sqrt{a}\,+\sqrt{a+i\,a\,Csch[x]}}\right]\right] \right] \right) / \left(\sqrt{i\,a\,(i+Csch[x])}\,\,\sqrt{a+i\,a\,Csch[x]}\right)$$

Valid but unnecessarily complicated antiderivative:

$$\left\{ \frac{1}{\sqrt{a-i\ a\, Csch[x]}},\ x,\ 1,\ 0 \right\}$$

$$\frac{\left[\sqrt{2}\ ArcTan\left[\frac{\sqrt{2}\ \sqrt{a}}{\sqrt{-a-i\ a\, Csch[x]}}\right] + 2\, ArcTan\left[\frac{\sqrt{-a-i\ a\, Csch[x]}}{\sqrt{a}}\right]\right] \sqrt{-a-i\ a\, Csch[x]}\ \sqrt{a-i\ a\, Csch[x]}\ Tanh[x]}{a^{3/2}}$$

$$\left[\sqrt{a}\ Coth[x]\ \left(\sqrt{2}\ ArcTan\left[\frac{\sqrt{2}\ \sqrt{a}}{\sqrt{-i\ a\, (-i+Csch[x])}}\right] - i\left[Log\left[\frac{2\ i\ a\left(2\,\sqrt{a}\ + i\ \sqrt{-i\ a\, (-i+Csch[x])}\ + \sqrt{a-i\ a\, Csch[x]}}\right)\right] + \sqrt{a-i\ a\, Csch[x]}\right] + \frac{4\ i\ a^{3/2} - 2\ a\left(\sqrt{-i\ a\, (-i+Csch[x])}\ + i\ \sqrt{a-i\ a\, Csch[x]}\right)}{-\sqrt{a}\ + \sqrt{a-i\ a\, Csch[x]}} \right] \right) \right] / \left(\sqrt{a\ (-1-i\ Csch[x])}\ \sqrt{a-i\ a\, Csch[x]}\right)$$

Valid but unnecessarily complicated antiderivative:

$$\{a + b \, Csch[x], x, 2, 0\}$$

ax-bArcCoth[Cosh[x]]

ax-bLog[Cosh
$$\begin{bmatrix} x \\ 2 \end{bmatrix}$$
] +bLog[Sinh $\begin{bmatrix} x \\ 2 \end{bmatrix}$ ]

Valid but unnecessarily complicated antiderivative:

$$\{(a + b Csch[x])^2, x, 4, 0\}$$

 $a^2 x - 2 a b ArcCoth[Cosh[x]] - b^2 Coth[x]$ 

$$\frac{1}{2} \left( -b^2 \, \text{Coth} \left[ \frac{x}{2} \right] + 2 \, a \, \left( a \, x - 2 \, b \, \text{Log} \left[ \text{Cosh} \left[ \frac{x}{2} \right] \right] + 2 \, b \, \text{Log} \left[ \text{Sinh} \left[ \frac{x}{2} \right] \right] \right) - b^2 \, \text{Tanh} \left[ \frac{x}{2} \right] \right)$$

Valid but unnecessarily complicated antiderivative:

$$\{(a + b Csch[x])^3, x, 6, 0\}$$

$$a^3 \times -3 a^2 b$$
 ArcCoth[Cosh[x]] +  $\frac{1}{2} b^3$  ArcCoth[Cosh[x]] - 3 a  $b^2$  Coth[x] -  $\frac{1}{2} b^3$  Coth[x] Csch[x]

$$\frac{1}{8} \left( 8 \text{ a}^3 \text{ x} - 12 \text{ a} \text{ b}^2 \text{ Coth} \left[ \frac{\text{x}}{2} \right] - \text{b}^3 \text{ Csch} \left[ \frac{\text{x}}{2} \right]^2 - 24 \text{ a}^2 \text{ b} \text{ Log} \left[ \text{Cosh} \left[ \frac{\text{x}}{2} \right] \right] + \frac{1}{8} \left( 8 \text{ a}^3 \text{ x} - 12 \text{ a} \text{ b}^2 \text{ Coth} \left[ \frac{\text{x}}{2} \right] \right) + \frac{1}{8} \left( 8 \text{ a}^3 \text{ x} - 12 \text{ a} \text{ b}^2 \text{ Coth} \left[ \frac{\text{x}}{2} \right] \right) + \frac{1}{8} \left( 8 \text{ a}^3 \text{ x} - 12 \text{ a} \text{ b}^2 \text{ Coth} \left[ \frac{\text{x}}{2} \right] \right) + \frac{1}{8} \left( 8 \text{ a}^3 \text{ x} - 12 \text{ a} \text{ b}^2 \text{ Coth} \left[ \frac{\text{x}}{2} \right] \right) + \frac{1}{8} \left( 8 \text{ a}^3 \text{ x} - 12 \text{ a} \text{ b}^2 \text{ Coth} \left[ \frac{\text{x}}{2} \right] \right) + \frac{1}{8} \left( 8 \text{ a}^3 \text{ x} - 12 \text{ a} \text{ b}^2 \text{ Coth} \left[ \frac{\text{x}}{2} \right] \right) + \frac{1}{8} \left( 8 \text{ a}^3 \text{ x} - 12 \text{ a} \text{ b}^2 \text{ Coth} \left[ \frac{\text{x}}{2} \right] \right) + \frac{1}{8} \left( 8 \text{ a}^3 \text{ x} - 12 \text{ a} \text{ b}^2 \text{ Coth} \left[ \frac{\text{x}}{2} \right] \right) + \frac{1}{8} \left( 8 \text{ a}^3 \text{ x} - 12 \text{ a} \text{ b}^2 \text{ Coth} \left[ \frac{\text{x}}{2} \right] \right) + \frac{1}{8} \left( 8 \text{ a}^3 \text{ x} - 12 \text{ a} \text{ b}^2 \text{ Coth} \left[ \frac{\text{x}}{2} \right] \right) + \frac{1}{8} \left( 8 \text{ a}^3 \text{ x} - 12 \text{ a} \text{ b}^2 \text{ Coth} \left[ \frac{\text{x}}{2} \right] \right) + \frac{1}{8} \left( 8 \text{ a}^3 \text{ x} - 12 \text{ a} \text{ b}^2 \text{ Coth} \left[ \frac{\text{x}}{2} \right] \right) + \frac{1}{8} \left( 8 \text{ a}^3 \text{ x} - 12 \text{ a} \text{ b}^2 \text{ Coth} \left[ \frac{\text{x}}{2} \right] \right) + \frac{1}{8} \left( 8 \text{ a}^3 \text{ x} - 12 \text{ a} \text{ b}^2 \text{ Coth} \left[ \frac{\text{x}}{2} \right] \right) + \frac{1}{8} \left( 8 \text{ a}^3 \text{ x} - 12 \text{ a} \text{ b}^2 \text{ Coth} \left[ \frac{\text{x}}{2} \right] \right) + \frac{1}{8} \left( 8 \text{ a}^3 \text{ x} - 12 \text{ a} \text{ b}^2 \text{ Coth} \left[ \frac{\text{x}}{2} \right] \right) + \frac{1}{8} \left( 8 \text{ a}^3 \text{ x} - 12 \text{ a} \text{ b}^2 \text{ coth} \left[ \frac{\text{x}}{2} \right] \right) + \frac{1}{8} \left( 8 \text{ a}^3 \text{ x} - 12 \text{ a} \text{ b}^2 \text{ coth} \left[ \frac{\text{x}}{2} \right] \right) + \frac{1}{8} \left( 8 \text{ a}^3 \text{ coth} \left[ \frac{\text{x}}{2} \right] \right) + \frac{1}{8} \left( 8 \text{ a}^3 \text{ coth} \left[ \frac{\text{x}}{2} \right] \right) + \frac{1}{8} \left( 8 \text{ a}^3 \text{ coth} \left[ \frac{\text{x}}{2} \right] \right) + \frac{1}{8} \left( 8 \text{ coth} \left[ \frac{\text{x}}{2} \right] \right) + \frac{1}{8} \left( 8 \text{ coth} \left[ \frac{\text{x}}{2} \right] \right) + \frac{1}{8} \left( 8 \text{ coth} \left[ \frac{\text{x}}{2} \right] \right) + \frac{1}{8} \left( 8 \text{ coth} \left[ \frac{\text{x}}{2} \right] \right) + \frac{1}{8} \left( 8 \text{ coth} \left[ \frac{\text{x}}{2} \right] \right) + \frac{1}{8} \left( 8 \text{ coth} \left[ \frac{\text{x}}{2} \right] \right) + \frac{1}{8} \left( 8 \text{ coth} \left[ \frac{\text{x}}{2} \right] \right) + \frac{1}{8} \left( 8 \text{ coth} \left[$$

$$4 \, b^3 \, \text{Log} \Big[ \text{Cosh} \Big[ \frac{x}{2} \Big] \Big] + 24 \, a^2 \, b \, \text{Log} \Big[ \text{Sinh} \Big[ \frac{x}{2} \Big] \Big] - 4 \, b^3 \, \text{Log} \Big[ \text{Sinh} \Big[ \frac{x}{2} \Big] \Big] - b^3 \, \text{Sech} \Big[ \frac{x}{2} \Big]^2 - 12 \, a \, b^2 \, \text{Tanh} \Big[ \frac{x}{2} \Big] \Big]$$

Valid but unnecessarily complicated antiderivative:

$$\left\{ \frac{1}{3+5 \text{ i Csch}[x]}, x, 3, 0 \right\}$$

$$\frac{x}{3} - \frac{5}{6} \text{ i ArcTan} \left[ \frac{1}{4} \left( 3 - 5 \text{ i Tanh} \left[ \frac{x}{2} \right] \right) \right]$$

$$\frac{1}{24} \left( 8 x + 10 \text{ i ArcTan} \left[ \frac{\cosh \left[ \frac{x}{2} \right] - 2 \sinh \left[ \frac{x}{2} \right]}{2 \cosh \left[ \frac{x}{2} \right] - \sinh \left[ \frac{x}{2} \right]} \right] -$$

$$10 \text{ i ArcTan} \left[ \frac{2 \cosh \left[ \frac{x}{2} \right] + \sinh \left[ \frac{x}{2} \right]}{\cosh \left[ \frac{x}{2} \right] + 2 \sinh \left[ \frac{x}{2} \right]} \right] + 5 \log \left[ 5 \cosh \left[ x \right] - 4 \sinh \left[ x \right] \right] - 5 \log \left[ 5 \cosh \left[ x \right] + 4 \sinh \left[ x \right] \right]$$

Valid but unnecessarily complicated antiderivative:

$$\begin{split} & \left\{ \sqrt{1 - \text{Csch}[\textbf{x}]^2} \text{, x, 4, 0} \right\} \\ & \text{ArcSin} \Big[ \frac{\text{Coth}[\textbf{x}]}{\sqrt{2}} \Big] + \text{ArcTanh} \Big[ \frac{\text{Coth}[\textbf{x}]}{\sqrt{2 - \text{Coth}[\textbf{x}]^2}} \Big] \\ & \sqrt{2 - 2 \, \text{Csch}[\textbf{x}]^2} \, \left( \text{ArcTan} \Big[ \frac{\sqrt{2} \, \cosh[\textbf{x}]}{\sqrt{-3 + \cosh[2\textbf{x}]}} \Big] + \text{Log} \Big[ \sqrt{2} \, \, \text{Cosh}[\textbf{x}] + \sqrt{-3 + \cosh[2\textbf{x}]} \, \Big] \right) \, \text{Sinh}[\textbf{x}] \\ & \sqrt{-3 + \text{Cosh}[2\textbf{x}]} \end{split}$$

$$\left\{\sqrt{-1 + \operatorname{Csch}[x]^{2}}, x, 4, 0\right\}$$

$$-\operatorname{ArcTan}\left[\frac{\operatorname{Coth}[x]}{\sqrt{-2 + \operatorname{Coth}[x]^{2}}}\right] - \operatorname{ArcTanh}\left[\frac{\operatorname{Coth}[x]}{\sqrt{-2 + \operatorname{Coth}[x]^{2}}}\right]$$

$$\frac{\sqrt{2} \sqrt{-1 + \operatorname{Csch}[\mathtt{x}]^2} \left(\operatorname{ArcTan}\left[\frac{\sqrt{2} \operatorname{Cosh}[\mathtt{x}]}{\sqrt{-3 + \operatorname{Cosh}[2\mathtt{x}]}}\right] + \operatorname{Log}\left[\sqrt{2} \operatorname{Cosh}[\mathtt{x}] + \sqrt{-3 + \operatorname{Cosh}[2\mathtt{x}]}\right]\right) \operatorname{Sinh}[\mathtt{x}]}{\sqrt{-3 + \operatorname{Cosh}[2\mathtt{x}]}}$$

Valid but unnecessarily complicated antiderivative:

$$\begin{split} \left\{\sqrt{a+b\operatorname{Csch}[x]^2} \text{ , } x, \text{ 4, 0}\right\} \\ \sqrt{a} \text{ ArcTanh}\Big[\frac{\sqrt{a} \operatorname{Coth}[x]}{\sqrt{a+b\operatorname{Csch}[x]^2}}\Big] - \sqrt{b} \text{ ArcTanh}\Big[\frac{\sqrt{b} \operatorname{Coth}[x]}{\sqrt{a+b\operatorname{Csch}[x]^2}}\Big] \\ \sqrt{a+b\operatorname{Csch}[x]^2} \left(-\sqrt{b} \operatorname{ArcTanh}\Big[\frac{\sqrt{2} \sqrt{b} \operatorname{Cosh}[x]}{\sqrt{-a+2b+a\operatorname{Cosh}[2x]}}\Big] + \sqrt{a} \operatorname{Log}\Big[\sqrt{2} \sqrt{a} \operatorname{Cosh}[x] + \sqrt{-a+2b+a\operatorname{Cosh}[2x]}\Big]\right) \operatorname{Sinh}[x] \\ \sqrt{-\frac{a}{2} + b + \frac{1}{2} \operatorname{a} \operatorname{Cosh}[2x]} \end{split}$$

Valid but unnecessarily complicated antiderivative:

$$\begin{split} & \left\{ \frac{1}{\sqrt{1-\text{Csch}[x]^2}}, \; x, \; 2, \; 0 \right\} \\ & \text{ArcTanh} \Big[ \frac{\text{Coth}[x]}{\sqrt{2-\text{Coth}[x]^2}} \Big] \\ & \frac{\sqrt{-3+\text{Cosh}[2\,x]} \; \text{Csch}[x] \, \text{Log} \Big[ \sqrt{2} \; \text{Cosh}[x] + \sqrt{-3+\text{Cosh}[2\,x]} \; \Big]}{\sqrt{2-2\,\text{Csch}[x]^2}} \end{split}$$

Valid but unnecessarily complicated antiderivative:

$$\begin{split} & \left\{ \frac{1}{\sqrt{-1 + \operatorname{Csch}[\mathbf{x}]^2}}, \ \mathbf{x}, \ \mathbf{2}, \ \mathbf{0} \right\} \\ & \operatorname{ArcTan} \left[ \frac{\operatorname{Coth}[\mathbf{x}]}{\sqrt{-2 + \operatorname{Coth}[\mathbf{x}]^2}} \right] \\ & \frac{\sqrt{-3 + \operatorname{Cosh}[2\,\mathbf{x}]} \ \operatorname{Csch}[\mathbf{x}] \operatorname{Log} \left[ \sqrt{2} \ \operatorname{Cosh}[\mathbf{x}] + \sqrt{-3 + \operatorname{Cosh}[2\,\mathbf{x}]} \ \right]}{\sqrt{2} \ \sqrt{-1 + \operatorname{Csch}[\mathbf{x}]^2}} \end{split}$$

Valid but unnecessarily complicated antiderivative:

Incorrect antiderivative:

$$\begin{split} &\left\{ \text{Csch} \left[ a + \frac{\text{Log} \left[ c \; x^n \right]}{n \; \left( -2 + p \right)} \right]^p, \; x, \; 1, \; 0 \right\} \\ &- \frac{\left( 2 - p \right) \; x \, \text{Csch} \left[ a - \frac{\text{Log} \left[ c \; x^n \right]}{n \; \left( 2 - p \right)} \right]^{-2 + p}}{1 - p} - \frac{\left( 2 - p \right) \; x \, \text{Cosh} \left[ a - \frac{\text{Log} \left[ c \; x^n \right]}{n \; \left( 2 - p \right)} \right] \, \text{Csch} \left[ a - \frac{\text{Log} \left[ c \; x^n \right]}{n \; \left( 2 - p \right)} \right]^{-1 + p}}{1 - p} \\ &- \frac{2^{-1 + p} \; e^{-\frac{4 \, a}{-2 + p}} \; \left( -2 + p \right) \; x \; \left( e^{\frac{4 \, a}{-2 + p}} - e^{\frac{2 \, a \, p}{-2 + p}} \; \left( c \; x^n \right)^{\frac{2}{n \; \left( -2 + p \right)}} \right) \left( \frac{e^{\frac{a \; \left( 2 - p \right)}{2 + p}} \left( c \; x^n \right)^{\frac{1}{n \; \left( -2 + p \right)}}}{\frac{4 \, a}{-e^{-2 + p}} \left( c \; x^n \right)^{\frac{2}{n \; \left( -2 + p \right)}}} \right)^p}{-1 + p} \end{split}$$

Incorrect antiderivative:

$$\begin{split} &\left\{ \text{Csch} \Big[ a - \frac{\text{Log} \left[ c \; x^n \right]}{n \; \left( -2 + p \right)} \right]^p , \; x, \; 1, \; 0 \right\} \\ &- \frac{\left( 2 - p \right) \; x \, \text{Csch} \Big[ a + \frac{\text{Log} \left[ c \; x^n \right]}{n \; \left( 2 - p \right)} \right]^{-2 + p}}{1 - p} + \frac{\left( 2 - p \right) \; x \, \text{Cosh} \Big[ a + \frac{\text{Log} \left[ c \; x^n \right]}{n \; \left( 2 - p \right)} \right] \, \text{Csch} \Big[ a + \frac{\text{Log} \left[ c \; x^n \right]}{n \; \left( 2 - p \right)} \Big]^{-1 + p}}{1 - p} \\ &- \frac{2^{-1 + p} \; e^{-\frac{2 \, a \, p}{-2 \cdot p}} \; \left( -2 + p \right) \; x \; \left( e^{\frac{2 \, a \, p}{-2 \cdot p}} - e^{\frac{4 \, a}{-2 \cdot p}} \left( c \; x^n \right)^{\frac{2}{n \; \left( -2 \cdot p \right)}} \right) \left( -\frac{e^{\frac{a \; \left( 2 \cdot p \right)}{-2 \cdot p}} \left( c \; x^n \right)^{\frac{1}{n \; \left( -2 \cdot p \right)}}}{\frac{2 \, a \, p}{-e^{-2 \cdot p} + e^{\frac{4 \, a}{-2 \cdot p}} \left( c \; x^n \right)^{\frac{1}{n \; \left( -2 \cdot p \right)}}}}{1 - 1 + p} \end{split}$$

$$\begin{split} &\left\{ \frac{\text{Csch}[\texttt{a} + \texttt{b} \, \text{Log}[\texttt{c} \, \texttt{x}^n]\,]}{\texttt{x}} \,,\, \texttt{x},\, \texttt{2},\, \texttt{0} \right\} \\ &- \frac{\text{ArcCoth}[\text{Cosh}[\texttt{a} + \texttt{b} \, \text{Log}[\texttt{c} \, \texttt{x}^n]\,]\,]}{\texttt{b} \, \texttt{n}} \\ &- \text{Log} \Big[ 2 \, \text{Cosh} \Big[ \frac{1}{2} \, \left( \texttt{a} + \texttt{b} \, \text{Log}[\texttt{c} \, \texttt{x}^n] \, \right) \, \Big] \Big] + \text{Log} \Big[ 2 \, \text{Sinh} \Big[ \frac{1}{2} \, \left( \texttt{a} + \texttt{b} \, \text{Log}[\texttt{c} \, \texttt{x}^n] \, \right) \, \Big] \Big] \end{split}$$

## Problems involving two hyperbolic functions

Valid but unnecessarily complicated antiderivative:

$$\begin{split} & \{ \operatorname{Csch}\left[a+b\,x\right] \, \operatorname{Sech}\left[a+b\,x\right], \, x, \, 1, \, 0 \} \\ & \underline{ \operatorname{Log}\left[\operatorname{Tanh}\left[a+b\,x\right]\right]} \\ & \underline{ b} \\ & \underline{ -\operatorname{Log}\left[2 \, \operatorname{Cosh}\left[a+b\,x\right]\right] + \operatorname{Log}\left[2 \, \operatorname{Sinh}\left[a+b\,x\right]\right]} \end{split}$$

Valid but unnecessarily complicated antiderivative:

$$\begin{split} &\left\{\frac{\sqrt{\text{Sinh}[a+b\,x]}}{\sqrt{\text{Cosh}[a+b\,x]}}\,,\,\,x,\,\,4\,,\,\,0\right\} \\ &-\frac{\text{ArcTan}\Big[\frac{\sqrt{\text{Sinh}[a+b\,x]}}{\sqrt{\text{Cosh}[a+b\,x]}}\Big]}{b}\,+\,\frac{\text{ArcTanh}\Big[\frac{\sqrt{\text{Sinh}[a+b\,x]}}{\sqrt{\text{Cosh}[a+b\,x]}}\Big]}{b} \\ &-\frac{2\,\sqrt{\text{Cosh}[a+b\,x]}\,\,\text{Hypergeometric}2\text{F1}\Big[\frac{1}{4}\,,\,\,\frac{1}{4}\,,\,\,\frac{5}{4}\,,\,\,\text{Cosh}[a+b\,x]^2\Big]\,\,\text{Sinh}\,[a+b\,x]^{3/2}}{b\,\left(-\text{Sinh}\,[a+b\,x]^2\right)^{3/4}} \end{split}$$

Valid but unnecessarily complicated antiderivative:

$$\begin{split} &\left\{\frac{\sqrt{\text{Cosh}[a+b\,x]}}{\sqrt{\text{Sinh}[a+b\,x]}},\,\,x,\,\,4\,,\,\,0\right\} \\ &-\frac{\text{ArcTan}\Big[\frac{\sqrt{\text{Cosh}[a+b\,x]}}{\sqrt{\text{Sinh}[a+b\,x]}}\Big]}{b} + \frac{\text{ArcTanh}\Big[\frac{\sqrt{\text{Cosh}[a+b\,x]}}{\sqrt{\text{Sinh}[a+b\,x]}}\Big]}{b} \\ &-\frac{2\,\text{Cosh}[a+b\,x]^{3/2}\,\text{Hypergeometric}2\text{F1}\Big[\frac{3}{4}\,,\,\,\frac{3}{4}\,,\,\,\frac{7}{4}\,,\,\,\text{Cosh}[a+b\,x]^2\Big]\,\sqrt{\text{Sinh}[a+b\,x]}}{3\,b\,\left(-\text{Sinh}[a+b\,x]^2\right)^{1/4}} \end{split}$$

Valid but unnecessarily complicated antiderivative:

$$\left\{ \frac{\left\{ \sinh\left[a+b\,x\right]^{1/3}}{\cosh\left[a+b\,x\right]^{1/3}},\,\,x,\,\,6\,,\,\,0 \right\} }{ \cosh\left[a+b\,x\right]^{1/3}} - \frac{\log\left[1-\frac{\sinh\left[a+b\,x\right]^{2/3}}{\cosh\left[a+b\,x\right]^{2/3}}\right]}{2\,b} + \frac{\log\left[1+\frac{\sinh\left[a+b\,x\right]^{2/3}}{\cosh\left[a+b\,x\right]^{2/3}} + \frac{\sinh\left[a+b\,x\right]^{4/3}}{\cosh\left[a+b\,x\right]^{4/3}}\right]}{4\,b} - \frac{3\,\cosh\left[a+b\,x\right]^{2/3}\,\,\text{Hypergeometric} 2F1\left[\frac{1}{3}\,,\,\,\frac{1}{3}\,,\,\,\frac{4}{3}\,,\,\,\cosh\left[a+b\,x\right]^{2}\right]\,\sinh\left[a+b\,x\right]^{4/3}}{2\,b\left(-\sinh\left[a+b\,x\right]^{2}\right)^{2/3}}$$

$$\left\{\frac{\text{Cosh}[a+b\,x]^{1/3}}{\text{Sinh}[a+b\,x]^{1/3}},\,x,\,6,\,0\right\}$$

$$-\frac{\sqrt{3} \ \text{ArcTan} \Big[\frac{1+\frac{2 \cosh \left[a+b \, x\right]^{2/3}}{\sqrt{3}}}{\sqrt{3}}\Big]}{2 \, b} - \frac{\text{Log} \Big[1-\frac{\cosh \left[a+b \, x\right]^{2/3}}{\sinh \left[a+b \, x\right]^{2/3}}\Big]}{2 \, b} + \frac{\text{Log} \Big[1+\frac{\cosh \left[a+b \, x\right]^{4/3}}{\sinh \left[a+b \, x\right]^{4/3}}+\frac{\cosh \left[a+b \, x\right]^{2/3}}{\sinh \left[a+b \, x\right]^{2/3}}\Big]}{4 \, b} - \frac{3 \, \text{Cosh} \left[a+b \, x\right]^{4/3} \, \text{Hypergeometric2F1} \Big[\frac{2}{3} \, , \, \frac{2}{3} \, , \, \frac{5}{3} \, , \, \, \text{Cosh} \left[a+b \, x\right]^2\Big] \, \text{Sinh} \left[a+b \, x\right]^{2/3}}{4 \, b \, \left(-\sinh \left[a+b \, x\right]^2\right)^{1/3}}$$

Unable to integrate:

$$\begin{split} & \left\{ \text{Sech} \left[ a + b \, x \right]^{4} \, \text{Tanh} \left[ a + b \, x \right]^{n}, \, \, x, \, \, 3 \,, \, \, 0 \right\} \\ & \frac{\text{Tanh} \left[ a + b \, x \right]^{1+n}}{b \, \left( 1 + n \right)} - \frac{\text{Tanh} \left[ a + b \, x \right]^{3+n}}{b \, \left( 3 + n \right)} \\ & \left[ \text{Sech} \left[ a + b \, x \right]^{4} \, \text{Tanh} \left[ a + b \, x \right]^{n} \, \text{d} x \right] \end{split}$$

Unable to integrate:

$$\begin{split} &\left\{ \text{Coth}[\mathbf{x}]^n \, \text{Csch}[\mathbf{x}]^4, \, \mathbf{x}, \, \mathbf{3}, \, \mathbf{0} \right\} \\ &\frac{\text{Coth}[\mathbf{x}]^{1+n}}{1+n} - \frac{\text{Coth}[\mathbf{x}]^{3+n}}{3+n} \\ &\int &\text{Coth}[\mathbf{x}]^n \, \text{Csch}[\mathbf{x}]^4 \, d\mathbf{x} \end{split}$$

Valid but unnecessarily complicated antiderivative:

$$\left\{ \operatorname{Coth}[x]^{4}\operatorname{Csch}[x]^{3}, x, 4, 0 \right\}$$

$$\frac{1}{16}\operatorname{ArcCoth}[\operatorname{Cosh}[\mathtt{x}]] + \frac{1}{16}\operatorname{Coth}[\mathtt{x}]\operatorname{Csch}[\mathtt{x}] + \frac{1}{24}\operatorname{Coth}[\mathtt{x}]^3\operatorname{Csch}[\mathtt{x}] - \frac{1}{6}\operatorname{Coth}[\mathtt{x}]^5\operatorname{Csch}[\mathtt{x}] \\ \frac{1}{384}\left(-6\operatorname{Csch}\left[\frac{\mathtt{x}}{2}\right]^2 - 6\operatorname{Csch}\left[\frac{\mathtt{x}}{2}\right]^4 - \operatorname{Csch}\left[\frac{\mathtt{x}}{2}\right]^6 + 24\operatorname{Log}\left[\operatorname{Cosh}\left[\frac{\mathtt{x}}{2}\right]\right] - 24\operatorname{Log}\left[\operatorname{Sinh}\left[\frac{\mathtt{x}}{2}\right]\right] - 6\operatorname{Sech}\left[\frac{\mathtt{x}}{2}\right]^2 + 6\operatorname{Sech}\left[\frac{\mathtt{x}}{2}\right]^4 - \operatorname{Sech}\left[\frac{\mathtt{x}}{2}\right]^6\right) + 24\operatorname{Log}\left[\operatorname{Cosh}\left[\frac{\mathtt{x}}{2}\right] - 24\operatorname{Log}\left[\operatorname{Sinh}\left[\frac{\mathtt{x}}{2}\right]\right] - 6\operatorname{Sech}\left[\frac{\mathtt{x}}{2}\right]^4 - \operatorname{Sech}\left[\frac{\mathtt{x}}{2}\right]^6\right) + 24\operatorname{Log}\left[\operatorname{Cosh}\left[\frac{\mathtt{x}}{2}\right] - 24\operatorname{Log}\left[\operatorname{Sinh}\left[\frac{\mathtt{x}}{2}\right]\right] - 6\operatorname{Sech}\left[\frac{\mathtt{x}}{2}\right]^6 - 6\operatorname{Sech}\left[\frac{\mathtt{x}}{2}\right] - 6$$

$$\left\{ x \cosh\left[a + b \, x\right]^{3/2} \, \sinh\left[a + b \, x\right], \, x, \, 3, \, 0 \right\}$$

$$\frac{2 \, x \cosh\left[a + b \, x\right]^{5/2}}{5 \, b} + \frac{12 \, i \, \text{EllipticE}\left[\frac{1}{2} \, i \, (a + b \, x), \, 2\right]}{25 \, b^2} - \frac{4 \, \text{Cosh}\left[a + b \, x\right]^{3/2} \, \text{Sinh}\left[a + b \, x\right]}{25 \, b^2}$$

$$\frac{1}{25 \, b^2 \, \sqrt{\cosh\left[a + b \, x\right]}} \left( \cosh\left[a + b \, x\right] \right) \left( \cosh\left[a + b \, x\right] \right) \left( 5 \, b \, x - 12 \, \text{Coth}\left[a\right] - 2 \, \text{Cosh}\left[2 \, b \, x\right] \, \text{Sinh}\left[2 \, a\right] + \text{Cosh}\left[2 \, a\right] \, \left( 5 \, b \, x \, \text{Cosh}\left[2 \, b \, x\right] \right) + 5 \, b \, x \, \text{Sinh}\left[2 \, a\right] \, \text{Sinh}\left[2 \, b \, x\right] \right) + \frac{1}{\sqrt{1 + \cosh\left[2 \, (a + b \, x)\right] + \sinh\left[2 \, (a + b \, x)\right]}} \left( \cosh\left[a + b \, x\right] + \sinh\left[a + b \, x\right] \right) \left( \cosh\left[a + b \, x\right] + \sinh\left[a + b \, x\right] \right) \left( \cosh\left[a + b \, x\right] \right) + \sinh\left[a + b \, x\right] \right) \left( \cosh\left[a + b \, x\right] \right) \left( \cosh\left[a + b \, x\right] \right) \left( \cosh\left[a + b \, x\right] \right) - \sinh\left[a + b \, x\right] \right) \left( \cosh\left[a + b \, x\right] \right) \right)$$

$$\left( \cosh\left[b \, x\right] + \sinh\left[b \, x\right] \right) \left( 1 + \cosh\left[a + b \, x\right] \right) + \sinh\left[a + b \, x\right] \right) \left( \cosh\left[a + b \, x\right] \right) \right) \left( \cosh\left[b \, x\right] + \sinh\left[b \, x\right] \right) \left( 1 + \cosh\left[a + b \, x\right] \right) + \sinh\left[a + b \, x\right] \right)$$

$$\left\{ \frac{x \operatorname{Sinh}[a+bx]}{\sqrt{\operatorname{Cosh}[a+bx]}}, \, x, \, 2, \, 0 \right\}$$

$$\frac{2 \, x \, \sqrt{\operatorname{Cosh}[a+bx]}}{b} + \frac{4 \, i \, \operatorname{EllipticE}\left[\frac{1}{2} \, i \, (a+bx), \, 2\right]}{b^2}$$

$$\frac{1}{3 \, b^2 \, \sqrt{\operatorname{Cosh}[a+bx]}}$$

$$\left\{ 6 \, \operatorname{Cosh}[a+bx] \, \operatorname{Csch}[a] \, \left(-2 \, \operatorname{Cosh}[a] + b \, x \, \operatorname{Sinh}[a]\right) + \frac{1}{\sqrt{1 + \operatorname{Cosh}[2 \, (a+bx)] + \operatorname{Sinh}[2 \, (a+bx)]}} \, \operatorname{Csch}\left[\frac{a}{2}\right] \operatorname{Sech}\left[\frac{a}{2}\right]$$

$$\left\{ 6 \, \operatorname{Cosh}[a+bx] \, \operatorname{Hypergeometric} 2 \operatorname{FI}\left[-\frac{1}{4}, \, \frac{1}{2}, \, \frac{3}{4}, \, -\operatorname{Cosh}[2 \, (a+bx)] - \operatorname{Sinh}[2 \, (a+bx)]\right] \, \left(\operatorname{Cosh}[a] + \operatorname{Sinh}[a]\right) + \right.$$

$$\left. \operatorname{Hypergeometric} 2 \operatorname{FI}\left[\frac{1}{2}, \, \frac{3}{4}, \, \frac{7}{4}, \, -\operatorname{Cosh}[2 \, (a+bx)] - \operatorname{Sinh}[2 \, (a+bx)]\right] \right.$$

$$\left. \left(\operatorname{Cosh}[bx] + \operatorname{Sinh}[bx]\right) \, \left(1 + \operatorname{Cosh}[2 \, (a+bx)] + \operatorname{Sinh}[2 \, (a+bx)]\right) \right)$$

Valid but unnecessarily complicated antiderivative:

$$\left\{ \frac{x \, \text{Sinh}[a + b \, x]}{\text{Cosh}[a + b \, x]^{5/2}}, \, x, \, 3, \, 0 \right\}$$

$$- \frac{2 \, x}{3 \, b \, \text{Cosh}[a + b \, x]^{3/2}} + \frac{4 \, i \, \text{EllipticE}\left[\frac{1}{2} \, i \, (a + b \, x), \, 2\right]}{3 \, b^2} + \frac{4 \, \text{Sinh}[a + b \, x]}{3 \, b^2 \, \sqrt{\text{Cosh}[a + b \, x]}}$$

$$- \frac{1}{9 \, b^2 \, \text{Cosh}[a + b \, x]^{3/2}}$$

$$\left[ -6 \, \text{Csch}[a] \, (\text{Cosh}[a] + \text{Cosh}[a + 2 \, b \, x] + b \, x \, \text{Sinh}[a]) + \frac{1}{\sqrt{1 + \text{Cosh}[2 \, (a + b \, x)] + \text{Sinh}[2 \, (a + b \, x)]}} \right]$$

$$- \frac{1}{\sqrt{1 + \text{Cosh}[2 \, (a + b \, x)] + \text{Sinh}[2 \, (a + b \, x)]}}$$

$$- \frac{1}{\sqrt{1 + \text{Cosh}[2 \, (a + b \, x)] + \text{Sinh}[2 \, (a + b \, x)]}}$$

$$- \frac{1}{\sqrt{1 + \text{Cosh}[2 \, (a + b \, x)] + \text{Sinh}[2 \, (a + b \, x)]}}$$

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$$- \frac{1}{\sqrt{1 + \text{Cosh}[2 \, (a + b \, x)] + \text{Sinh}[2 \, (a + b \, x)]}}$$

$$- \frac{1}{\sqrt{1 + \text{Cosh}[2 \, (a + b \, x)]}}$$

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$$- \frac{1}{\sqrt{1 + \text{Cosh}[2 \, (a + b \, x)]}}$$

$$\frac{\left\{\text{x Cosh[a+bx] Sinh[a+bx]}^{3/2}, \text{ x, 4, 0}\right\}}{\frac{12 \text{ i EllipticE}\left[\frac{\pi}{4} - \frac{1}{2} \text{ i (a+bx), 2}\right] \sqrt{\text{Sinh[a+bx]}}}{25 \text{ b}^2} - \frac{4 \text{ Cosh[a+bx] Sinh[a+bx]}^{3/2}}{25 \text{ b}^2} + \frac{2 \text{ x Sinh[a+bx]}^{5/2}}{5 \text{ b}}$$

$$\frac{1}{100 \, b^2 \, \sqrt{ \sinh[a+b\,x]}}$$
 Sech[a]  $\left(24 \, \text{Hypergeometric} 2\text{F1} \left[-\frac{1}{4}, \, \frac{1}{2}, \, \frac{3}{4}, \, \text{Cosh}[2 \, (a+b\,x)] + \text{Sinh}[2 \, (a+b\,x)] \right] \, (\text{Cosh}[b\,x] - \text{Sinh}[b\,x])$  
$$\sqrt{1 - \text{Cosh}[2 \, a + 2 \, b\,x] - \text{Sinh}[2 \, a + 2 \, b\,x]} + 8 \, \text{Hypergeometric} 2\text{F1} \left[\frac{1}{2}, \, \frac{3}{4}, \, \frac{7}{4}, \, \text{Cosh}[2 \, (a+b\,x)] + \text{Sinh}[2 \, (a+b\,x)] \right]$$
 
$$(\text{Cosh}[b\,x] + \text{Sinh}[b\,x]) \, \sqrt{1 - \text{Cosh}[2 \, a + 2 \, b\,x] - \text{Sinh}[2 \, a + 2 \, b\,x]} + 2 \, \text{Sinh}[a+b\,x]$$
 
$$(-10 \, b\,x\, \text{Cosh}[a] + 5 \, b\,x\, \text{Cosh}[a + 2 \, b\,x] + 5 \, b\,x\, \text{Cosh}[3 \, a + 2 \, b\,x] + 24 \, \text{Sinh}[a] - 2 \, \text{Sinh}[a + 2 \, b\,x] - 2 \, \text{Sinh}[3 \, a + 2 \, b\,x])$$

$$\left\{ \frac{x \operatorname{Cosh}[a+b\,x]}{\sqrt{\operatorname{Sinh}[a+b\,x]}}, \, x, \, 3, \, 0 \right\}$$

$$\frac{2\,x\,\sqrt{\operatorname{Sinh}[a+b\,x]}}{b} - \frac{4\,i\,\operatorname{EllipticE}\left[\frac{\pi}{4} - \frac{1}{2}\,i\,\left(a+b\,x\right), \, 2\right]\,\sqrt{\operatorname{Sinh}[a+b\,x]}}{b^2\,\sqrt{i\,\operatorname{Sinh}[a+b\,x]}}$$

$$\frac{1}{3\,b^2\,\sqrt{\operatorname{Sinh}[a+b\,x]}} \, 2\,\left(3\,\operatorname{Hypergeometric2F1}\left[-\frac{1}{4}, \, \frac{1}{2}, \, \frac{3}{4}, \, \operatorname{Cosh}[2\,\left(a+b\,x\right)] + \operatorname{Sinh}[2\,\left(a+b\,x\right)]\right] \operatorname{Sech}[a]\,\left(-\operatorname{Cosh}[b\,x] + \operatorname{Sinh}[b\,x]\right)$$

$$\sqrt{1-\operatorname{Cosh}[2\,a+2\,b\,x] - \operatorname{Sinh}[2\,a+2\,b\,x]} - \operatorname{Hypergeometric2F1}\left[\frac{1}{2}, \, \frac{3}{4}, \, \frac{7}{4}, \, \operatorname{Cosh}[2\,\left(a+b\,x\right)] + \operatorname{Sinh}[2\,\left(a+b\,x\right)]\right]$$

$$\operatorname{Sech}[a]\,\left(\operatorname{Cosh}[b\,x] + \operatorname{Sinh}[b\,x]\right) \sqrt{1-\operatorname{Cosh}[2\,a+2\,b\,x] - \operatorname{Sinh}[2\,a+2\,b\,x]} + 3\,\operatorname{Sinh}[a+b\,x]\,\left(b\,x-2\,\operatorname{Tanh}[a]\right)$$

Valid but unnecessarily complicated antiderivative:

$$\left\{ \frac{2 \, x}{\sinh[a + b \, x]^{5/2}}, \, x, \, 4, \, 0 \right\}$$

$$\frac{2 \, x}{3 \, b \, \sinh[a + b \, x]^{3/2}} - \frac{4 \, \cosh[a + b \, x]}{3 \, b^2 \, \sqrt{\sinh[a + b \, x]}} + \frac{4 \, i \, EllipticE\left[\frac{\pi}{4} - \frac{1}{2} \, i \, (a + b \, x) \, , \, 2\right] \, \sqrt{\sinh[a + b \, x]}}{3 \, b^2 \, \sqrt{i \, \sinh[a + b \, x]}}$$

$$- \frac{1}{9 \, b^2 \, \sqrt{\sinh[a + b \, x]}} \, 2 \, Sech[a] \, \left[ 3 \, Csch[a + b \, x] \, (b \, x \, Cosh[a] + Sinh[a] + Sinh[a + 2 \, b \, x]) + \right.$$

$$3 \, Hypergeometric2F1\left[-\frac{1}{4}, \, \frac{1}{2}, \, \frac{3}{4}, \, Cosh[2 \, (a + b \, x)] + Sinh[2 \, (a + b \, x)]\right] \, (-Cosh[b \, x] + Sinh[b \, x])$$

$$\sqrt{1 - Cosh[2 \, a + 2 \, b \, x] - Sinh[2 \, a + 2 \, b \, x]} - Hypergeometric2F1\left[\frac{1}{2}, \, \frac{3}{4}, \, \frac{7}{4}, \, Cosh[2 \, (a + b \, x)] + Sinh[2 \, (a + b \, x)]\right]$$

$$(Cosh[b \, x] + Sinh[b \, x]) \, \sqrt{1 - Cosh[2 \, a + 2 \, b \, x] - Sinh[2 \, a + 2 \, b \, x]} - Sinh[2 \, a + 2 \, b \, x]$$

$$\frac{\left\{x \, \mathrm{Sech}[\, a + b \, x]^{\, 9/2} \, \mathrm{Sinh}[\, a + b \, x] \,, \, x, \, 5, \, 0\right\} }{12 \, i \, \sqrt{\mathrm{Cosh}[\, a + b \, x]} \, \, \mathrm{EllipticE}\left[\frac{1}{2} \, i \, \left(a + b \, x\right), \, 2\right] \, \sqrt{\mathrm{Sech}[\, a + b \, x]}}{35 \, b^2} - \\ \\ \frac{2 \, x \, \mathrm{Sech}\left[a + b \, x\right]^{\, 7/2}}{7 \, b} + \frac{12 \, \sqrt{\mathrm{Sech}[\, a + b \, x]} \, \, \mathrm{Sinh}[\, a + b \, x]}{35 \, b^2} + \frac{4 \, \mathrm{Sech}[\, a + b \, x]^{\, 5/2} \, \mathrm{Sinh}[\, a + b \, x]}{35 \, b^2}$$

$$\frac{1}{70\,b^{2}} \left[ \frac{24\,\sqrt{2}\,\,e^{-a-b\,x}\,\sqrt{\frac{e^{a+b\,x}}{1+e^{2}\,(a+b\,x)}}\,\,\left(1+e^{2}\,(a+b\,x)\,+\left(-1+e^{2\,a}\right)\,\sqrt{1+e^{2}\,(a+b\,x)}\,\,}_{-1\,+\,e^{2\,a}} \right] + \frac{1}{1+e^{2}\,(a+b\,x)} \left[ \frac{1}{1+e^{2}\,(a+b\,x)}\,\left(1+e^{2}\,(a+b\,x)\,+\left(-1+e^{2\,a}\right)\,\sqrt{1+e^{2}\,(a+b\,x)}\,\right) + \frac{1}{1+e^{2}\,a} + \frac{1}{1+$$

$$Csch[a] \ Sech[a+b\,x]^{7/2} \ (9 \ Cosh[a] + 11 \ Cosh[a+2\,b\,x] + Cosh[3\,a+2\,b\,x] + 3 \ Cosh[3\,a+4\,b\,x] + 20\,b\,x \ Sinh[a])$$

Valid but unnecessarily complicated antiderivative:

$$\{x \operatorname{Sech}[a+bx]^{5/2} \operatorname{Sinh}[a+bx], x, 4, 0\}$$

$$\frac{4 \text{ i } \sqrt{\text{Cosh[a+bx]}} \text{ EllipticE}\left[\frac{1}{2} \text{ i } (a+bx), 2\right] \sqrt{\text{Sech[a+bx]}}}{3 \text{ b}^2} - \frac{2 \text{ x Sech[a+bx]}^{3/2}}{3 \text{ b}} + \frac{4 \sqrt{\text{Sech[a+bx]}} \text{ Sinh[a+bx]}}{3 \text{ b}^2}$$

$$\frac{4 \text{ i } \sqrt{\text{Cosh[a+bx]}} \text{ EllipticE}\left[\frac{1}{2} \text{ i } (a+bx), 2\right] \sqrt{\text{Sech[a+bx]}}}{3 \text{ b}^2} - \frac{2 \text{ x Sech[a+bx]}^{3/2}}{3 \text{ b}} + \frac{4 \sqrt{\text{Sech[a+bx]}} \text{ Sinh[a+bx]}}{3 \text{ b}^2} \text{ Sinh[a+bx]}}{3 \text{ b}^2} - \frac{2 \text{ x Sech[a+bx]}^{3/2}}{3 \text{ b}} + \frac{4 \sqrt{\text{Sech[a+bx]}} \text{ Sinh[a+bx]}}{3 \text{ b}^2} - \frac{2 \text{ x Sech[a+bx]}^{3/2}}{3 \text{ b}^2} - \frac{2 \text{ x Sech[a+$$

$$Csch[a] Sech[a+bx]^{3/2} (Cosh[a] + Cosh[a+2bx] + bx Sinh[a])$$

Valid but unnecessarily complicated antiderivative:

$$\left\{x\sqrt{\operatorname{Sech}[a+bx]} \operatorname{Sinh}[a+bx], x, 3, 0\right\}$$

$$\frac{2\,\mathrm{x}}{\mathrm{b}\,\sqrt{\mathrm{Sech}\,[\mathrm{a}+\mathrm{b}\,\mathrm{x}]}} + \frac{4\,\mathrm{i}\,\sqrt{\mathrm{Cosh}\,[\mathrm{a}+\mathrm{b}\,\mathrm{x}]}\,\,\mathrm{EllipticE}\,\big[\frac{1}{2}\,\mathrm{i}\,\,(\mathrm{a}+\mathrm{b}\,\mathrm{x})\,\,,\,\,2\big]\,\sqrt{\mathrm{Sech}\,[\mathrm{a}+\mathrm{b}\,\mathrm{x}]}}{\mathrm{b}^2}$$
 
$$e^{-\mathrm{a}-\mathrm{b}\,\mathrm{x}}\,\,\bigg(\Big(1+e^{2\,\,(\mathrm{a}+\mathrm{b}\,\mathrm{x})}\Big)\,\,(-2+\mathrm{b}\,\mathrm{x})\,+\,4\,\sqrt{1+e^{2\,\,(\mathrm{a}+\mathrm{b}\,\mathrm{x})}}\,\,\mathrm{Hypergeometric}\,2\mathrm{Fl}\,\big[-\frac{1}{4}\,,\,\,\frac{1}{2}\,,\,\,\frac{3}{4}\,,\,\,-e^{2\,\,(\mathrm{a}+\mathrm{b}\,\mathrm{x})}\,\big]\bigg)\,\sqrt{\mathrm{Sech}\,[\mathrm{a}+\mathrm{b}\,\mathrm{x}]}$$

$$e^{-a-bx}\left(\left(1+e^{2\;(a+bx)}\right)\;(-2+b\,x)\;+\;4\;\sqrt{1+e^{2\;(a+bx)}}\;\;\text{Hypergeometric2F1}\left[-\frac{1}{4}\;,\;\frac{1}{2}\;,\;\frac{3}{4}\;,\;-e^{2\;(a+b\,x)}\;\right]\right)\sqrt{\text{Sech}\left[a+b\,x\right]}$$

Valid but unnecessarily complicated antiderivative:

$$\left\{ \frac{\text{x Sinh}[a+bx]}{\text{Sech}[a+bx]^{3/2}}, x, 4, 0 \right\}$$

$$\frac{2\,\mathrm{x}}{5\,\mathrm{b}\,\mathrm{Sech}\,[a+b\,x]} + \frac{12\,\mathrm{i}\,\sqrt{\mathrm{Cosh}\,[a+b\,x]}\,\,\mathrm{EllipticE}\big[\frac{1}{2}\,\mathrm{i}\,\,(a+b\,x)\,\,,\,\,2\big]\,\sqrt{\mathrm{Sech}\,[a+b\,x]}}{25\,\mathrm{b}^2} - \frac{4\,\mathrm{Sinh}\,[a+b\,x]}{25\,\mathrm{b}^2\,\mathrm{Sech}\,[a+b\,x]^{3/2}} + \frac{1}{100\,\mathrm{b}^2}\,\mathrm{e}^{-3\,\,(a+b\,x)}\,\left(\big(1+\mathrm{e}^{2\,\,(a+b\,x)}\big)\,\,\left(2+5\,\mathrm{b}\,x+2\,\mathrm{e}^{2\,\,(a+b\,x)}\,\,(-12+5\,\mathrm{b}\,x)\,+\,\mathrm{e}^{4\,\,(a+b\,x)}\,\,(-2+5\,\mathrm{b}\,x)\,\right)} + \frac{1}{100\,\mathrm{b}^2}\,\mathrm{e}^{-3\,\,(a+b\,x)}\,\left(\frac{1}{2}+\frac{1}{2}\,\mathrm{b}\,x+2\,\mathrm{e}^{2\,\,(a+b\,x)}\,\,(-12+5\,\mathrm{b}\,x)\,+\,\mathrm{e}^{4\,\,(a+b\,x)}\,\,(-2+5\,\mathrm{b}\,x)\,\right)}{100\,\mathrm{b}^2} + \frac{1}{100\,\mathrm{b}^2}\,\mathrm{e}^{-3\,\,(a+b\,x)}\,\left(\frac{1}{2}+\frac{1}{2}\,\mathrm{b}\,x+2\,\mathrm{e}^{2\,\,(a+b\,x)}\,\,(-12+5\,\mathrm{b}\,x)\,+\,\mathrm{e}^{4\,\,(a+b\,x)}\,\,(-2+5\,\mathrm{b}\,x)\,\right)}{100\,\mathrm{b}^2} + \frac{1}{100\,\mathrm{b}^2}\,\mathrm{e}^{-3\,\,(a+b\,x)}\,\left(\frac{1}{2}+\frac{1}{2}\,\mathrm{b}\,x+2\,\mathrm{e}^{2\,\,(a+b\,x)}\,\,(-2+5\,\mathrm{b}\,x)\,+\,\mathrm{e}^{4\,\,(a+b\,x)}\,\,(-2+5\,\mathrm{b}\,x)\,\right)}{100\,\mathrm{b}^2} + \frac{1}{100\,\mathrm{b}^2}\,\mathrm{e}^{-3\,\,(a+b\,x)}\,\left(\frac{1}{2}+\frac{1}{2}\,\mathrm{b}\,x+2\,\mathrm{e}^{2\,\,(a+b\,x)}\,\,(-2+5\,\mathrm{b}\,x)\,+\,\mathrm{e}^{4\,\,(a+b\,x)}\,\,(-2+5\,\mathrm{b}\,x)\,\right)}{100\,\mathrm{b}^2} + \frac{1}{100\,\mathrm{b}^2}\,\mathrm{e}^{-3\,\,(a+b\,x)}\,\left(\frac{1}{2}+\frac{1}{2}\,\mathrm{b}\,x+2\,\mathrm{e}^{2\,\,(a+b\,x)}\,\,(-2+5\,\mathrm{b}\,x)\,+\,\mathrm{e}^{4\,\,(a+b\,x)$$

$$\frac{1}{100 \ b^2} \ e^{-3 \ (a+b \ x)} \ \left( \left(1 + e^{2 \ (a+b \ x)} \right) \ \left(2 + 5 \ b \ x + 2 \ e^{2 \ (a+b \ x)} \ \left(-12 + 5 \ b \ x\right) + e^{4 \ (a+b \ x)} \ \left(-2 + 5 \ b \ x\right) \right) + e^{4 \ (a+b \ x)} \ \left(-2 + 5 \ b \ x\right) + e^{4 \ (a+b \ x)} \$$

$$48 \, e^{2 \, (a+b \, x)} \, \sqrt{1 + e^{2 \, (a+b \, x)}} \, \text{ Hypergeometric2F1} \left[ -\frac{1}{4} \, , \, \frac{1}{2} \, , \, \frac{3}{4} \, , \, -e^{2 \, (a+b \, x)} \, \right] \right) \, \sqrt{\text{Sech} \left[ \, a \, + \, b \, x \, \right]} \, = 0 \, e^{2 \, (a+b \, x)} \, e^{2 \, (a+b$$

$$\{x \, Cosh[a + b \, x] \, Csch[a + b \, x]^{9/2}, x, 6, 0\}$$

$$\frac{12 \, \text{Cosh} [\, a + b \, x \,] \, \sqrt{\text{Csch} [\, a + b \, x \,]}}{35 \, b^2} \qquad \frac{4 \, \text{Cosh} [\, a + b \, x \,] \, \text{Csch} [\, a + b \, x \,]}{35 \, b^2} \qquad \frac{2 \, x \, \text{Csch} [\, a + b \, x \,]}{7 \, b} \qquad \frac{12 \, i \, \text{Elliptice} \left[ \frac{\pi}{4} - \frac{1}{2} \, i \, (a + b \, x ) \,, \, 2 \right]}{35 \, b^2 \, \sqrt{\text{Csch} [\, a + b \, x \,]}} \\ \frac{1}{70 \, b^2} \left[ -\frac{24 \, \sqrt{2} \, e^{-a - b \, x} \, \sqrt{\frac{e^{a + b \, x}}{-1 + e^{2} \, (a + b \, x)}} \, \left( -1 + e^{2 \, (a + b \, x)} + \left( 1 + e^{2 \, a} \right) \, \sqrt{1 - e^{2} \, (a + b \, x)}} \right. \right. \\ \left. + \frac{1}{1 + e^{2 \, a}} \right] + \frac{1}{1 + e^{2 \, a}} \left[ -\frac{1}{4} \, \frac{1}{2} \, \frac{1}{4} \, \frac{1}{2} \, \frac{1}{4} \, \frac{$$

$$Csch[a + bx]^{7/2} Sech[a] (-20 bx Cosh[a] - 9 Sinh[a] - 11 Sinh[a + 2bx] + Sinh[3a + 2bx] + 3 Sinh[3a + 4bx])$$

 $\{x \cosh[a + bx] \cosh[a + bx]^{5/2}, x, 5, 0\}$ 

$$-\frac{4 \, \text{Cosh} \, [\, a + b \, x \, ] \, \sqrt{\text{Csch} \, [\, a + b \, x \, ]}}{3 \, b^2} \, - \, \frac{2 \, x \, \text{Csch} \, [\, a + b \, x \, ] \, ^{3/2}}{3 \, b} \, + \, \frac{4 \, \, \dot{\text{i}} \, \, \text{EllipticE} \, \left[ \, \frac{\pi}{4} \, - \, \frac{1}{2} \, \, \dot{\text{i}} \, \, \, (\, a + b \, x \, ) \, , \, \, 2 \, \right]}{3 \, b^2 \, \sqrt{\text{Csch} \, [\, a + b \, x \, ]} \, \sqrt{\, \dot{\text{i}} \, \, \text{Sinh} \, [\, a + b \, x \, ]}}$$

$$\frac{1}{3\;b^{2}}\;2\;\left(\begin{array}{c}2\;\sqrt{2}\;\;e^{-a-b\;x}\;\sqrt{\frac{e^{a\cdot b\;x}}{-1+e^{2\;(a+b\;x)}}}\;\;\left(-1\;+\;e^{2\;(a+b\;x)}\;+\;\left(1\;+\;e^{2\;a}\right)\;\sqrt{1\;-\;e^{2\;(a+b\;x)}}\;\;\text{Hypergeometric2F1}\left[\,-\frac{1}{4}\;,\;\,\frac{1}{2}\;,\;\,\frac{3}{4}\;,\;\;e^{2\;(a+b\;x)}\;\right]\right)}{1\;+\;e^{2\;a}}\right)$$

$$Csch[a+bx]^{3/2}$$
  $Sech[a]$  (bx  $Cosh[a]+Sinh[a]+Sinh[a+2bx]$ )

Valid but unnecessarily complicated antiderivative:

$$\left\{ x \, Cosh[a+bx] \, \sqrt{Csch[a+bx]} \right\}$$
, x, 4, 0

$$\frac{2\,x}{b\,\sqrt{\text{Csch}[\,a+b\,x\,]}}\,-\,\frac{4\,\,\text{i}\,\,\text{EllipticE}\big[\,\frac{\pi}{4}\,-\,\frac{1}{2}\,\,\text{i}\,\,\left(a+b\,x\right)\,,\,\,2\,\big]}{b^2\,\sqrt{\text{Csch}[\,a+b\,x\,]}}\,\sqrt{\,\text{i}\,\,\text{Sinh}[\,a+b\,x\,]}$$

$$\left\{\frac{x \operatorname{Cosh}[a+b x]}{\operatorname{Csch}[a+b x]^{3/2}}, x, 5, 0\right\}$$

$$\frac{2\,\text{x}}{5\,\text{b}\,\text{Csch}\,[\,\text{a}\,+\,\text{b}\,\text{x}\,]^{\,5/2}} - \frac{4\,\text{Cosh}\,[\,\text{a}\,+\,\text{b}\,\text{x}\,]}{25\,\,\text{b}^2\,\,\text{Csch}\,[\,\text{a}\,+\,\text{b}\,\text{x}\,]^{\,3/2}} + \frac{12\,\,\text{i}\,\,\text{EllipticE}\,\big[\,\frac{\pi}{4}\,-\,\frac{1}{2}\,\,\text{ii}\,\,\,(\,\text{a}\,+\,\text{b}\,\text{x}\,)\,\,,\,\,2\,\big]}{25\,\,\text{b}^2\,\,\sqrt{\text{Csch}\,[\,\text{a}\,+\,\text{b}\,\text{x}\,]}} \,\,\sqrt{\,\text{i}\,\,\text{Sinh}\,[\,\text{a}\,+\,\text{b}\,\text{x}\,]}$$

$$\frac{1}{100\;b^{2}}\;e^{-3\;(a+b\,x)}\;\sqrt{\text{Csch}\,[\,a+b\,x\,]}\;\;\left(\left(-1+e^{2\;(a+b\,x)}\,\right)\;\left(2+5\;b\,x+e^{2\;(a+b\,x)}\;\left(24-10\;b\,x\right)\,+\,e^{4\;(a+b\,x)}\;\left(-2+5\;b\,x\right)\,\right)\,+\,\left(-2+5\;b\,x\right)\,\left(-2+5\;b\,x$$

$$48 \, e^{2 \, (a+b \, x)} \, \sqrt{1 - e^{2 \, (a+b \, x)}} \, \text{Hypergeometric2F1} \left[ -\frac{1}{4}, \, \frac{1}{2}, \, \frac{3}{4}, \, e^{2 \, (a+b \, x)} \, \right] \right]$$

Valid but unnecessarily complicated antiderivative:

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Valid but unnecessarily complicated antiderivative:

$$\{x \operatorname{Csch}[a+bx] \operatorname{Sech}[a+bx]^2, x, 9, 0\}$$

$$-\frac{\text{ArcTan}[\text{Sinh}[a+b\,x]]}{b^2} - \frac{2\,x\,\text{ArcTanh}\big[e^{a+b\,x}\big]}{b} - \frac{\text{PolyLog}\big[2\,,\,-e^{a+b\,x}\big]}{b^2} + \frac{\text{PolyLog}\big[2\,,\,e^{a+b\,x}\big]}{b^2} + \frac{x\,\text{Sech}\,[a+b\,x]}{b}$$

$$\frac{1}{b^2}\left(-2\,\text{ArcTan}\big[\text{Tanh}\big[\frac{1}{2}\,(a+b\,x)\,\big]\big] + a\,\text{Log}\big[1-e^{-a-b\,x}\big] + b\,x\,\text{Log}\big[1-e^{-a-b\,x}\big] - a\,\text{Log}\big[1+e^{-a-b\,x}\big] - b\,x\,\text{Log}\big[1+e^{-a-b\,x}\big] - a\,\text{Log}\big[\text{Tanh}\big[\frac{1}{2}\,(a+b\,x)\,\big]\big] + \text{PolyLog}\big[2\,,\,-e^{-a-b\,x}\big] - \text{PolyLog}\big[2\,,\,e^{-a-b\,x}\big] + b\,x\,\text{Sech}\,[a+b\,x]$$

$$\left\{ x^2 \operatorname{Csch}[a + b \, x] \operatorname{Sech}[a + b \, x]^3, \, x, \, 14, \, 0 \right\} \\ - \frac{2 \, x^2 \operatorname{ArcTanh}\left[e^{2\,a + 2\,b \, x}\right]}{b} + \frac{\operatorname{Log}\left[\operatorname{Cosh}[a + b \, x]\right]}{b^3} - \frac{x \operatorname{PolyLog}\left[2, \, -e^{2\,a + 2\,b \, x}\right]}{b^2} + \frac{x^2 \operatorname{Sech}[a + b \, x]^2}{b^2} + \frac{x^2 \operatorname{Sech}[a$$

Valid but unnecessarily complicated antiderivative:

 $2 \; i \; ArcTanh[Tanh[a]] \; Log[i \; Sinh[b \; x \; + \; ArcTanh[Tanh[a]]]] \; + \; i \; PolyLog\Big[2 \; , \; e^{2 \; i \; (i \; b \; x + i \; ArcTanh[Tanh[a]])} \Big] \Big) \; Tanh[a] \; , \; i \; PolyLog\Big[2 \; , \; e^{2 \; i \; (i \; b \; x + i \; ArcTanh[Tanh[a]])} \Big] \Big) \; Tanh[a] \; , \; i \; PolyLog\Big[2 \; , \; e^{2 \; i \; (i \; b \; x + i \; ArcTanh[Tanh[a]])} \Big] \Big) \; Tanh[a] \; , \; i \; PolyLog\Big[2 \; , \; e^{2 \; i \; (i \; b \; x + i \; ArcTanh[Tanh[a]])} \Big] \Big) \; Tanh[a] \; , \; i \; PolyLog\Big[2 \; , \; e^{2 \; i \; (i \; b \; x + i \; ArcTanh[Tanh[a]])} \Big] \Big) \; Tanh[a] \; , \; i \; PolyLog\Big[2 \; , \; e^{2 \; i \; (i \; b \; x + i \; ArcTanh[Tanh[a]])} \Big] \Big) \; Tanh[a] \; , \; i \; PolyLog\Big[2 \; , \; e^{2 \; i \; (i \; b \; x + i \; ArcTanh[Tanh[a]])} \Big] \Big) \; Tanh[a] \; , \; i \; PolyLog\Big[2 \; , \; e^{2 \; i \; (i \; b \; x + i \; ArcTanh[Tanh[a]])} \Big] \Big) \; Tanh[a] \; , \; i \; PolyLog\Big[2 \; , \; e^{2 \; i \; (i \; b \; x + i \; ArcTanh[Tanh[a]])} \Big] \Big) \; Tanh[a] \; , \; i \; PolyLog\Big[2 \; , \; e^{2 \; i \; (i \; b \; x + i \; ArcTanh[Tanh[a]])} \Big] \Big) \; Tanh[a] \; , \; i \; PolyLog\Big[2 \; , \; e^{2 \; i \; (i \; b \; x + i \; ArcTanh[Tanh[a]])} \Big] \Big] \; PolyLog\Big[2 \; , \; e^{2 \; i \; (i \; b \; x + i \; ArcTanh[Tanh[a]])} \Big] \Big] \; PolyLog\Big[2 \; , \; e^{2 \; i \; (i \; b \; x + i \; ArcTanh[Tanh[a]])} \Big] \Big] \; PolyLog\Big[2 \; , \; e^{2 \; i \; (i \; b \; x + i \; ArcTanh[Tanh[a]])} \Big] \Big] \; PolyLog\Big[2 \; , \; e^{2 \; i \; (i \; b \; x + i \; ArcTanh[Tanh[a]])} \Big] \Big] \; PolyLog\Big[2 \; , \; e^{2 \; i \; (i \; b \; x + i \; ArcTanh[Tanh[a]])} \Big] \Big] \; PolyLog\Big[2 \; , \; e^{2 \; i \; (i \; b \; x + i \; ArcTanh[Tanh[a]])} \Big] \Big] \; PolyLog\Big[2 \; , \; e^{2 \; i \; (i \; b \; x + i \; ArcTanh[Tanh[a]])} \Big] \Big] \; PolyLog\Big[2 \; , \; e^{2 \; i \; (i \; b \; x + i \; ArcTanh[Tanh[a]])} \Big] \Big] \; PolyLog\Big[2 \; , \; e^{2 \; i \; (i \; b \; x + i \; ArcTanh[Tanh[a]])} \Big] \Big] \; PolyLog\Big[2 \; , \; e^{2 \; i \; (i \; b \; x + i \; ArcTanh[Tanh[a]])} \Big] \Big] \; PolyLog\Big[2 \; , \; e^{2 \; i \; (i \; b \; x + i \; ArcTanh[Tanh[a]])} \Big] \Big] \; PolyLog\Big[2 \; , \; e^{2 \; i \; (i \; b \; x + i \; ArcTanh[Tanh[a]])} \Big] \Big] \; PolyLog\Big[2 \; , \; e^{2 \; i \; (i \; b \; x + i \; ArcTanh[a]]} \Big] \Big] \; PolyLog\Big[2 \; , \; e^{2 \; i \; x + i \; ArcTanh[a]} \Big] \Big] \; PolyL$ 

$$\left\{ x \operatorname{Csch}[a + b \, x]^2 \operatorname{Sech}[a + b \, x] \,, \, x, \, 9, \, 0 \right\}$$

$$- \frac{\operatorname{ArcCoth}[\operatorname{Cosh}[a + b \, x]]}{b^2} - \frac{2 \, x \operatorname{ArcTan}[e^{a + b \, x}]}{b} - \frac{x \operatorname{Csch}[a + b \, x]}{b} + \frac{i \, \operatorname{PolyLog}[2, \, -i \, e^{a + b \, x}]}{b^2} - \frac{i \, \operatorname{PolyLog}[2, \, i \, e^{a + b \, x}]}{b^2} \right]$$

$$\frac{1}{2 \, b^2} \left( -2 \, b \, x \operatorname{Csch}[a] - 2 \, i \, a \, \operatorname{Log}[1 - i \, e^{a + b \, x}] + \pi \operatorname{Log}[1 - i \, e^{a + b \, x}] - 2 \, i \, b \, x \, \operatorname{Log}[1 - i \, e^{a + b \, x}] + 2 \, i \, a \, \operatorname{Log}[1 + i \, e^{a + b \, x}] - 2 \operatorname{Log}[2 \operatorname{Cosh}[\frac{1}{2} \, (a + b \, x)]] + 2 \, i \, a \, \operatorname{Log}[\operatorname{Cot}[\frac{1}{4} \, (2 \, i \, a + \pi + 2 \, i \, b \, x)]] - \pi \operatorname{Log}[\operatorname{Cot}[\frac{1}{4} \, (2 \, i \, a + \pi + 2 \, i \, b \, x)]] + 2 \operatorname{Log}[2 \operatorname{Sinh}[\frac{1}{2} \, (a + b \, x)]] + 2 \, i \, \operatorname{PolyLog}[2, \, -i \, e^{a + b \, x}] - 2 \, i \, \operatorname{PolyLog}[2, \, i \, e^{a + b \, x}] + b \, x \, \operatorname{Csch}[\frac{a}{2}] \operatorname{Csch}[\frac{1}{2} \, (a + b \, x)] \operatorname{Sinh}[\frac{b \, x}{2}] + b \, x \, \operatorname{Sech}[\frac{a}{2}] \operatorname{Sech}[\frac{1}{2} \, (a + b \, x)] \operatorname{Sinh}[\frac{b \, x}{2}] \right)$$

Valid but unnecessarily complicated antiderivative:

$$\left\{ x^2 \operatorname{Csch}[a + b \, x]^2 \operatorname{Sech}[a + b \, x]^3, \, x, \, 24, \, 0 \right\}$$

$$-\frac{3 \, x^2 \operatorname{ArcTan}\left[e^{a + b \, x}\right]}{b} + \frac{\operatorname{ArcTan}\left[\operatorname{Sinh}\left[a + b \, x\right]\right]}{b^3} - \frac{4 \, x \operatorname{ArcTanh}\left[e^{a + b \, x}\right]}{b^2} - \frac{2 \operatorname{PolyLog}\left[2, \, -e^{a + b \, x}\right]}{b^3} + \frac{3 \, i \, x \operatorname{PolyLog}\left[2, \, -i \, e^{a + b \, x}\right]}{b^2} - \frac{3 \, i \, x \operatorname{PolyLog}\left[2, \, i \, e^{a + b \, x}\right]}{b^2} + \frac{2 \operatorname{PolyLog}\left[2, \, e^{a + b \, x}\right]}{b^3} - \frac{3 \, i \, x \operatorname{PolyLog}\left[3, \, i \, e^{a + b \, x}\right]}{b^2} - \frac{3 \, i \, x \operatorname{PolyLog}\left[2, \, i \, e^{a + b \, x}\right]}{b^2} + \frac{2 \operatorname{PolyLog}\left[2, \, e^{a + b \, x}\right]}{b^3} - \frac{3 \, i \, \operatorname{PolyLog}\left[3, \, i \, e^{a + b \, x}\right]}{b^2} - \frac{x^2 \operatorname{Csch}\left[a + b \, x\right] \, \left(3 - \operatorname{Sech}\left[a + b \, x\right]^2\right)}{2 \, b} - \frac{3 \, i \, \operatorname{PolyLog}\left[3, \, i \, e^{a + b \, x}\right]}{b^2} - \frac{x^2 \operatorname{Csch}\left[a + b \, x\right] \, \left(3 - \operatorname{Sech}\left[a + b \, x\right]^2\right)}{2 \, b} - \frac{x^2 \operatorname{Csch}\left[a + b \, x\right] \, \left(3 - \operatorname{Sech}\left[a + b \, x\right]^2\right)}{2 \, b} - \frac{x \operatorname{PolyLog}\left[2, \, e^{i \, (i \, a + i \, b \, x)}\right] - \operatorname{PolyLog}\left[2, \, e^{i \, (i \, a + i \, b \, x)}\right] - \operatorname{PolyLog}\left[2, \, e^{i \, (i \, a + i \, b \, x)}\right] - \operatorname{PolyLog}\left[2, \, e^{i \, (i \, a + i \, b \, x)}\right] - \operatorname{PolyLog}\left[2, \, e^{i \, (i \, a + i \, b \, x)}\right] - \operatorname{PolyLog}\left[2, \, e^{i \, (i \, a + i \, b \, x)}\right] - \operatorname{PolyLog}\left[2, \, e^{i \, (i \, a + i \, b \, x)}\right] - \operatorname{PolyLog}\left[2, \, e^{i \, (i \, a + i \, b \, x)}\right] - \operatorname{PolyLog}\left[2, \, e^{i \, (i \, a + i \, b \, x)}\right] - \operatorname{PolyLog}\left[2, \, e^{i \, (i \, a + i \, b \, x)}\right] - \operatorname{PolyLog}\left[2, \, e^{i \, (i \, a + i \, b \, x)}\right] - \operatorname{PolyLog}\left[2, \, e^{i \, (i \, a + i \, b \, x)}\right] - \operatorname{PolyLog}\left[2, \, e^{i \, (i \, a + i \, b \, x)}\right] - \operatorname{PolyLog}\left[2, \, e^{i \, (i \, a + i \, b \, x)}\right] - \operatorname{PolyLog}\left[2, \, e^{i \, (i \, a + i \, b \, x)}\right] - \operatorname{PolyLog}\left[2, \, e^{i \, (i \, a + i \, b \, x)}\right] - \operatorname{PolyLog}\left[2, \, e^{i \, (i \, a + i \, b \, x)}\right] - \operatorname{PolyLog}\left[2, \, e^{i \, (i \, a + i \, b \, x)}\right] - \operatorname{PolyLog}\left[2, \, e^{i \, (i \, a + i \, b \, x)}\right] - \operatorname{PolyLog}\left[2, \, e^{i \, (i \, a + i \, b \, x)}\right] - \operatorname{PolyLog}\left[2, \, e^{i \, (i \, a + i \, b \, x)}\right] - \operatorname{PolyLog}\left[2, \, e^{i \, (i \, a + i \, b \, x)}\right] - \operatorname{PolyLog}\left[2, \, e^{i \, (i \, a + i \, b \, x)}\right] - \operatorname{PolyLog}\left[2, \, e^{i \,$$

$$\left\{ x \, \text{Csch}[a + b \, x]^{2} \, \text{Sech}[a + b \, x]^{3}, \, x, \, 11, \, 0 \right\}$$

$$- \frac{\text{ArcCoth}[\text{Cosh}[a + b \, x]]}{b^{2}} - \frac{3 \, x \, \text{ArcTan}[e^{a + b \, x}]}{b} + \frac{3 \, i \, \text{PolyLog}[2, \, -i \, e^{a + b \, x}]}{2 \, b^{2}} - \frac{3 \, i \, \text{PolyLog}[2, \, i \, e^{a + b \, x}]}{2 \, b^{2}} - \frac{\text{Sech}[a + b \, x]}{2 \, b^{2}} - \frac{x \, \text{Csch}[a + b \, x] \, \left(3 - \text{Sech}[a + b \, x]^{2}\right)}{2 \, b}$$

$$-\frac{x\operatorname{Csch}[a]}{b} - \frac{\operatorname{Log}\left[2\operatorname{Cosh}\left[\frac{a}{2} + \frac{bx}{2}\right]\right]}{b^2} + \frac{\operatorname{Log}\left[2\operatorname{Sinh}\left[\frac{a}{2} + \frac{bx}{2}\right]\right]}{b^2} + \\ \frac{1}{2\,b^2}\,3\left(\left(-i\,a + \frac{\pi}{2} - i\,b\,x\right)\left(\operatorname{Log}\left[1 - e^{i\,\left(-i\,a + \frac{\pi}{2} - i\,b\,x\right)}\right] - \operatorname{Log}\left[1 + e^{i\,\left(-i\,a + \frac{\pi}{2} - i\,b\,x\right)}\right]\right) - \\ \left(-i\,a + \frac{\pi}{2}\right)\operatorname{Log}\left[\operatorname{Tan}\left[\frac{1}{2}\left(-i\,a + \frac{\pi}{2} - i\,b\,x\right)\right]\right] + i\,\left(\operatorname{PolyLog}\left[2\,, -e^{i\,\left(-i\,a + \frac{\pi}{2} - i\,b\,x\right)}\right] - \operatorname{PolyLog}\left[2\,, e^{i\,\left(-i\,a + \frac{\pi}{2} - i\,b\,x\right)}\right]\right)\right) + \\ \frac{\operatorname{Sech}[a]\operatorname{Sech}[a + b\,x]\,\left(-\operatorname{Cosh}[a] - b\,x\operatorname{Sinh}[a]\right)}{2\,b^2} + \frac{x\operatorname{Csch}\left[\frac{a}{2}\right]\operatorname{Csch}\left[\frac{a}{2} + \frac{b\,x}{2}\right]\operatorname{Sinh}\left[\frac{b\,x}{2}\right]}{2\,b} + \\ \frac{x\operatorname{Sech}\left[\frac{a}{2}\right]\operatorname{Sech}\left[\frac{a}{2} + \frac{b\,x}{2}\right]\operatorname{Sinh}\left[\frac{b\,x}{2}\right]}{2\,b} - \frac{x\operatorname{Sech}[a]\operatorname{Sech}[a + b\,x]^2\operatorname{Sinh}[b\,x]}{2\,b}$$

Valid but unnecessarily complicated antiderivative:

$$\frac{ \left\{ x \operatorname{Csch}[a+b\,x]^{3} \operatorname{Sech}[a+b\,x] \,, \, x, \, 9, \, 0 \right\} }{ 2 \, x \operatorname{ArcTanh}\left[e^{2\,a+2\,b\,x}\right] } - \frac{\operatorname{Coth}[a+b\,x]}{ 2 \, b^{2}} - \frac{x \operatorname{Csch}[a+b\,x]^{2}}{ 2 \, b} + \frac{\operatorname{PolyLog}\left[2 \,, \, -e^{2\,a+2\,b\,x}\right]}{ 2 \, b^{2}} - \frac{\operatorname{PolyLog}\left[2 \,, \, e^{2\,a+2\,b\,x}\right]}{ 2 \, b^{2}} - \frac$$

$$-x^{2} \operatorname{Csch}[2\,a] - \frac{x \operatorname{Csch}[a+b\,x]^{2}}{2\,b} - \frac{1}{2\,b^{2} \sqrt{\operatorname{Csch}[a]^{2} \left(-\operatorname{Cosh}[a]^{2} + \operatorname{Sinh}[a]^{2}\right)}}$$

$$\operatorname{Csch}[a] \left(-b^{2} \operatorname{e}^{-\operatorname{ArcTanh}[\operatorname{Coth}[a]]} x^{2} + \frac{1}{\sqrt{1-\operatorname{Coth}[a]^{2}}} \operatorname{i} \operatorname{Coth}[a] \left(-b\,x\,(-\pi+2\,i\,\operatorname{ArcTanh}[\operatorname{Coth}[a]]) - \pi \operatorname{Log}[1+e^{2\,b\,x}] - 2\,(i\,b\,x+i\,\operatorname{ArcTanh}[\operatorname{Coth}[a]]) \operatorname{Log}[1-e^{2\,i\,(i\,b\,x+i\,\operatorname{ArcTanh}[\operatorname{Coth}[a]])}] + \pi \operatorname{Log}[\operatorname{Cosh}[b\,x]] + 2\,i\,\operatorname{ArcTanh}[\operatorname{Coth}[a]] \operatorname{Log}[i\,\operatorname{Sinh}[b\,x+\operatorname{ArcTanh}[\operatorname{Coth}[a]]]] + i\,\operatorname{PolyLog}[2,\,e^{2\,i\,(i\,b\,x+i\,\operatorname{ArcTanh}[\operatorname{Coth}[a]])}]) \operatorname{Sech}[a] + \frac{2\,b^{2}}{2\,b^{2}} - \frac{1}{2\,b^{2}\sqrt{\operatorname{Sech}[a]^{2}\left(\operatorname{Cosh}[a]^{2}-\operatorname{Sinh}[a]^{2}\right)}} \operatorname{Csch}[a] \operatorname{Sech}[a] + \frac{1}{\sqrt{1-\operatorname{Tanh}[a]^{2}}} \operatorname{i} \left(-b\,x\,(-\pi+2\,i\,\operatorname{ArcTanh}[\operatorname{Tanh}[a]]) - \pi \operatorname{Log}[1+e^{2\,b\,x}] - 2\,(i\,b\,x+i\,\operatorname{ArcTanh}[\operatorname{Tanh}[a]]) \operatorname{Log}[1-e^{2\,i\,(i\,b\,x+i\,\operatorname{ArcTanh}[\operatorname{Tanh}[a]])}] + \pi \operatorname{Log}[\operatorname{Cosh}[b\,x]] + 2\,i\,\operatorname{ArcTanh}[\operatorname{Tanh}[a]] \operatorname{Log}[i\,\operatorname{Sinh}[b\,x+\operatorname{ArcTanh}[\operatorname{Tanh}[a]]]] + i\,\operatorname{PolyLog}[2,\,e^{2\,i\,(i\,b\,x+i\,\operatorname{ArcTanh}[\operatorname{Tanh}[a]])}] \operatorname{Tanh}[a] \right) \operatorname{Tanh}[a]$$

$$\{x \operatorname{Csch}[a+bx]^3 \operatorname{Sech}[a+bx]^2, x, 11, 0\}$$

$$\frac{\operatorname{ArcTan}[\operatorname{Sinh}[a+b\,x]]}{b^2} + \frac{3\,\operatorname{ArcTanh}[e^{a+b\,x}]}{b} - \frac{\operatorname{Csch}[a+b\,x]}{2\,b^2} + \frac{3\,\operatorname{PolyLog}[2\,,\,-e^{a+b\,x}]}{2\,b^2} - \frac{3\,\operatorname{PolyLog}[2\,,\,e^{a+b\,x}]}{2\,b^2} - \frac{x\,\left(3+\operatorname{Csch}[a+b\,x]^{\,2}\right)\operatorname{Sech}[a+b\,x]}{2\,b} \\ - \frac{1}{8\,b^2}\left[16\,\operatorname{ArcTan}[\operatorname{Tanh}[\frac{1}{2}\,\,(a+b\,x)\,]] - b\,x\,\operatorname{Csch}[\frac{1}{2}\,\,(a+b\,x)\,]^{\,2} - 12\,a\,\operatorname{Log}[1-e^{-a-b\,x}] - 12\,b\,x\,\operatorname{Log}[1-e^{-a-b\,x}] + 12\,a\,\operatorname{Log}[1+e^{-a-b\,x}] + 12\,a\,\operatorname{Log}[1+e^{-a-b\,x}] + 12\,a\,\operatorname{Log}[\frac{1}{2}\,\,(a+b\,x)\,]^{\,2} - 12\,a\,\operatorname{Log}[2\,,\,-e^{-a-b\,x}] + 12\,\operatorname{PolyLog}[2\,,\,e^{-a-b\,x}] - b\,x\,\operatorname{Sech}[\frac{1}{2}\,\,(a+b\,x)\,]^{\,2} - 12\,a\,\operatorname{Log}[1+e^{-a-b\,x}] + 12\,\operatorname{PolyLog}[2\,,\,e^{-a-b\,x}] + 12\,\operatorname{PolyLog}[2\,,\,e^{-a-b\,x}] - b\,x\,\operatorname{Sech}[\frac{1}{2}\,\,(a+b\,x)\,]^{\,2} - 12\,\operatorname{PolyLog}[2\,,\,e^{-a-b\,x}] - 22\,\operatorname{PolyLog}[2\,,\,e^{-a-b\,x}] - 22\,\operatorname{P$$

Valid but unnecessarily complicated antiderivative:

$$\{Sinh[x] Tanh[2x], x, 5, 0\}$$

$$-\frac{\operatorname{ArcTan}\left[\sqrt{2} \operatorname{Sinh}\left[\mathbf{x}\right]\right]}{\sqrt{2}} + \operatorname{Sinh}\left[\mathbf{x}\right]$$

$$\frac{1}{8} \left[-\sqrt{2} \left(2 \operatorname{ArcTan}\left[\frac{\operatorname{Cosh}\left[\frac{\mathbf{x}}{2}\right] + \operatorname{Sinh}\left[\frac{\mathbf{x}}{2}\right]}{\left(1 + \sqrt{2}\right) \operatorname{Cosh}\left[\frac{\mathbf{x}}{2}\right] - \left(-1 + \sqrt{2}\right) \operatorname{Sinh}\left[\frac{\mathbf{x}}{2}\right]}\right] + 2 \operatorname{ArcTan}\left[\frac{\operatorname{Cosh}\left[\frac{\mathbf{x}}{2}\right] + \operatorname{Sinh}\left[\frac{\mathbf{x}}{2}\right]}{\left(-1 + \sqrt{2}\right) \operatorname{Cosh}\left[\frac{\mathbf{x}}{2}\right] - \left(1 + \sqrt{2}\right) \operatorname{Sinh}\left[\frac{\mathbf{x}}{2}\right]}\right] + C \operatorname{ArcTan}\left[\frac{\operatorname{Cosh}\left[\frac{\mathbf{x}}{2}\right] + \operatorname{Sinh}\left[\frac{\mathbf{x}}{2}\right]}{\left(-1 + \sqrt{2}\right) \operatorname{Cosh}\left[\frac{\mathbf{x}}{2}\right] - \left(1 + \sqrt{2}\right) \operatorname{Sinh}\left[\frac{\mathbf{x}}{2}\right]}\right] + C \operatorname{ArcTan}\left[\frac{\operatorname{Cosh}\left[\frac{\mathbf{x}}{2}\right] + \operatorname{Sinh}\left[\frac{\mathbf{x}}{2}\right]}{\left(-1 + \sqrt{2}\right) \operatorname{Cosh}\left[\frac{\mathbf{x}}{2}\right] - \left(1 + \sqrt{2}\right) \operatorname{Sinh}\left[\frac{\mathbf{x}}{2}\right]}\right] + C \operatorname{ArcTan}\left[\frac{\operatorname{Cosh}\left[\frac{\mathbf{x}}{2}\right] + \operatorname{Cosh}\left[\frac{\mathbf{x}}{2}\right] - \left(1 + \sqrt{2}\right) \operatorname{Sinh}\left[\frac{\mathbf{x}}{2}\right]}{\left(-1 + \sqrt{2}\right) \operatorname{Cosh}\left[\frac{\mathbf{x}}{2}\right] - \left(1 + \sqrt{2}\right) \operatorname{Sinh}\left[\frac{\mathbf{x}}{2}\right]}\right]}$$

$$2 \arctan \left[\sqrt{2} \sinh[x]\right] - i \log\left[2 \left(\sqrt{2} + 2 \cosh[x]\right)\right] - i \log\left[-2 \sqrt{2} + 4 \cosh[x]\right] + i \log\left[2 \cosh[2 x]\right] + 8 \sinh[x]$$

Valid but unnecessarily complicated antiderivative:

$$\{Sinh[x] Tanh[4x], x, 6, 0\}$$

$$-\frac{1}{4}\sqrt{2-\sqrt{2}}\ \text{ArcTan}\Big[\frac{2\,\text{Sinh}[\texttt{x}]}{\sqrt{2-\sqrt{2}}}\Big] - \frac{1}{4}\sqrt{2+\sqrt{2}}\ \text{ArcTan}\Big[\frac{2\,\text{Sinh}[\texttt{x}]}{\sqrt{2+\sqrt{2}}}\Big] + \text{Sinh}[\texttt{x}]$$

$$-\frac{1}{16} \operatorname{RootSum} \left[ 1 + \sharp 1^8 \&, \right.$$

$$\frac{x + 2 \, \text{Log} \left[ -\text{Cosh} \left[ \frac{x}{2} \right] - \text{Sinh} \left[ \frac{x}{2} \right] + \text{Cosh} \left[ \frac{x}{2} \right] \, \text{#1 - Sinh} \left[ \frac{x}{2} \right] \, \text{#1} \right] + x \, \text{#1}^6 + 2 \, \text{Log} \left[ -\text{Cosh} \left[ \frac{x}{2} \right] - \text{Sinh} \left[ \frac{x}{2} \right] + \text{Cosh} \left[ \frac{x}{2} \right] \, \text{#1 - Sinh} \left[ \frac{x}{2} \right] \, \text{#1} \right] \, \text{#1}^6}{\text{#1}^7} \, \& \, \text{Hinding support of the support of$$

] +
Sinh[
x]

$$\{Sinh[x] Tanh[5x], x, 7, 0\}$$

$$-\frac{1}{5}\operatorname{ArcTan}[\operatorname{Sinh}[\mathtt{x}]] + \frac{1}{10}\left(1+\sqrt{5}\right)\operatorname{ArcTan}\left[\left(1-\sqrt{5}\right)\operatorname{Sinh}[\mathtt{x}]\right] + \frac{1}{10}\left(1-\sqrt{5}\right)\operatorname{ArcTan}\left[\left(1+\sqrt{5}\right)\operatorname{Sinh}[\mathtt{x}]\right] + \operatorname{Sinh}[\mathtt{x}]$$

$$-\frac{2}{5} \operatorname{ArcTan} \left[ \operatorname{Tanh} \left[ \frac{x}{2} \right] \right] - \frac{1}{20} \operatorname{RootSum} \left[ 1 - \sharp 1^2 + \sharp 1^4 - \sharp 1^6 + \sharp 1^8 \right] + \frac{1}{-\sharp 1 + 2 \sharp 1^3 - 3 \sharp 1^5 + 4 \sharp 1^7} \left( 3 \times + 6 \operatorname{Log} \left[ -\operatorname{Cosh} \left[ \frac{x}{2} \right] - \operatorname{Sinh} \left[ \frac{x}{2} \right] + \operatorname{Cosh} \left[ \frac{x}{2} \right] \right) + \operatorname{Sinh} \left[ \frac{x}{2} \right] + \operatorname{II} - \operatorname{Sinh} \left[ \frac{x}{2} \right] \right) + \operatorname{II} \left[ -\operatorname{Sinh} \left[ \frac{x}{2} \right] \right] + \operatorname{II} \left[ -\operatorname{Sinh} \left[ -\operatorname{II} \right] \right] + \operatorname{II} \left[ -\operatorname{II} \right]$$

Valid but unnecessarily complicated antiderivative:

 $\{Sinh[x] Tanh[6x], x, 7, 0\}$ 

$$-\frac{\operatorname{ArcTan}\left[\sqrt{2} \; \operatorname{Sinh}\left[x\right]\right]}{3\sqrt{2}} + \frac{1}{12}\left(\sqrt{2} + \sqrt{6}\right) \operatorname{ArcTan}\left[\left(\sqrt{2} - \sqrt{6}\right) \operatorname{Sinh}\left[x\right]\right] + \frac{1}{12}\left(\sqrt{2} - \sqrt{6}\right) \operatorname{ArcTan}\left[\left(\sqrt{2} + \sqrt{6}\right) \operatorname{Sinh}\left[x\right]\right] + \operatorname{Sinh}\left[x\right]}{\frac{1}{12}\left(-\sqrt{2}\left(2 \operatorname{ArcTan}\left[\frac{\operatorname{Cosh}\left[\frac{x}{2}\right] + \operatorname{Sinh}\left[\frac{x}{2}\right]}{\left(1 + \sqrt{2}\right) \operatorname{Cosh}\left[\frac{x}{2}\right] - \left(-1 + \sqrt{2}\right) \operatorname{Sinh}\left[\frac{x}{2}\right]}\right] + 2 \operatorname{ArcTan}\left[\frac{\operatorname{Cosh}\left[\frac{x}{2}\right] + \operatorname{Sinh}\left[\frac{x}{2}\right]}{\left(-1 + \sqrt{2}\right) \operatorname{Cosh}\left[\frac{x}{2}\right] - \left(1 + \sqrt{2}\right) \operatorname{Sinh}\left[\frac{x}{2}\right]}\right] + 2 \operatorname{ArcTan}\left[\sqrt{2} \; \operatorname{Sinh}\left[x\right]\right] - i \operatorname{Log}\left[2 \left(\sqrt{2} + 2 \operatorname{Cosh}\left[x\right]\right)\right] - i \operatorname{Log}\left[-2 \sqrt{2} + 4 \operatorname{Cosh}\left[x\right]\right] + i \operatorname{Log}\left[2 \operatorname{Cosh}\left[2 x\right]\right]\right) - \\ \operatorname{RootSum}\left[1 - \operatorname{H}^4 + \operatorname{H}^8 \hat{\mathbf{a}}, \; \frac{1}{-\operatorname{H}^3 + 2 \operatorname{H}^7}\left(2 \times + 4 \operatorname{Log}\left[-\operatorname{Cosh}\left[\frac{x}{2}\right] - \operatorname{Sinh}\left[\frac{x}{2}\right] + \operatorname{Cosh}\left[\frac{x}{2}\right] \operatorname{H} - \operatorname{Sinh}\left[\frac{x}{2}\right] \operatorname{H} - \operatorname{Sinh}\left[\frac{x}{2}\right] + \operatorname{H}^3 + 2 \operatorname{H}^4 - 2 \operatorname{Log}\left[-\operatorname{Cosh}\left[\frac{x}{2}\right] + \operatorname{Cosh}\left[\frac{x}{2}\right] + \operatorname{H}^4 + 2 \operatorname{Log}\left[-\operatorname{Cosh}\left[\frac{x}{2}\right] + \operatorname{Log}\left[-\operatorname{Log}\left[\frac{x}{2}\right] + \operatorname{Log}\left[-\operatorname{Log}\left[-\operatorname{Log}\left[\frac{x}{2}\right] + \operatorname{Log}\left[-\operatorname{Log}\left[\frac{x}{2}\right] + \operatorname{Log}\left[-\operatorname{Log}\left[\frac{x}{2}\right] + \operatorname{Log}\left[-\operatorname{Log}\left[\frac{x}{2}\right] + \operatorname{Log}\left[-\operatorname{Log}\left[\frac{x}{2}\right] + \operatorname{Log}\left[-\operatorname{Log}\left[-\operatorname{Log}\left[\frac{x}{2}\right] + \operatorname{Log}\left[-\operatorname{Log}\left[\frac{x}{2}\right] + \operatorname{Log}\left[-\operatorname{Log}\left[-\operatorname{Log}\left[-\operatorname{Log}\left[\frac{x}{2}\right] + \operatorname{Log}\left[-\operatorname{Log$$

Valid but unnecessarily complicated antiderivative:

$$\{Coth[4x]Sinh[x], x, 5, 0\}$$

$$\begin{split} &\frac{1}{4}\operatorname{ArcTan}[\operatorname{Sinh}[\mathtt{x}]] - \frac{\operatorname{ArcTan}\left[\sqrt{2} \, \operatorname{Sinh}[\mathtt{x}]\right]}{2\,\sqrt{2}} + \operatorname{Sinh}[\mathtt{x}] \\ &\frac{1}{16}\left(-2\,\sqrt{2} \, \operatorname{ArcTan}\left[\frac{\operatorname{Cosh}\left[\frac{\mathtt{x}}{2}\right] + \operatorname{Sinh}\left[\frac{\mathtt{x}}{2}\right]}{\left(1+\sqrt{2}\,\right)\,\operatorname{Cosh}\left[\frac{\mathtt{x}}{2}\right] - \left(-1+\sqrt{2}\,\right)\,\operatorname{Sinh}\left[\frac{\mathtt{x}}{2}\right]}\right] - \\ &2\,\sqrt{2} \, \operatorname{ArcTan}\left[\frac{\operatorname{Cosh}\left[\frac{\mathtt{x}}{2}\right] + \operatorname{Sinh}\left[\frac{\mathtt{x}}{2}\right]}{\left(-1+\sqrt{2}\,\right)\,\operatorname{Cosh}\left[\frac{\mathtt{x}}{2}\right] - \left(1+\sqrt{2}\,\right)\,\operatorname{Sinh}\left[\frac{\mathtt{x}}{2}\right]}\right] - 2\,\sqrt{2} \, \operatorname{ArcTan}\left[\sqrt{2} \, \operatorname{Sinh}[\mathtt{x}]\right] - 8\,\operatorname{ArcTan}\left[\operatorname{Tanh}\left[\frac{\mathtt{x}}{2}\right]\right] + \\ &i\,\sqrt{2} \, \operatorname{Log}\left[2\left(\sqrt{2} \, + 2\,\operatorname{Cosh}[\mathtt{x}]\right)\right] + i\,\sqrt{2} \, \operatorname{Log}\left[-2\,\sqrt{2} \, + 4\,\operatorname{Cosh}[\mathtt{x}]\right] - i\,\sqrt{2} \, \operatorname{Log}[2\,\operatorname{Cosh}[2\,\mathtt{x}]] + 16\,\operatorname{Sinh}[\mathtt{x}] \end{split}$$

$$\{Coth[5x]Sinh[x], x, 6, 0\}$$

$$-\frac{1}{10}\sqrt{10-2\sqrt{5}} \operatorname{ArcTan}\left[\frac{4 \operatorname{Sinh}[x]}{\sqrt{10-2\sqrt{5}}}\right] - \frac{1}{10}\sqrt{10+2\sqrt{5}} \operatorname{ArcTan}\left[\frac{4 \operatorname{Sinh}[x]}{\sqrt{10+2\sqrt{5}}}\right] + \operatorname{Sinh}[x]$$

$$\frac{1}{20\,\sqrt{5}}\left[\sqrt{2}\,\left[-\left(-5+\sqrt{5}\,\right)\,\sqrt{5+\sqrt{5}}\right]\,\mathrm{ArcTan}\left[\,\frac{\left(-3+\sqrt{5}\,\right)\,\mathrm{Tanh}\left[\,\frac{x}{2}\,\right]}{\sqrt{10-2\,\sqrt{5}}}\,\right]\,+\,\left(-5+\sqrt{5}\,\right)\,\sqrt{5+\sqrt{5}}\,\,\mathrm{ArcTan}\left[\,\frac{\left(5+\sqrt{5}\,\right)\,\mathrm{Tanh}\left[\,\frac{x}{2}\,\right]}{\sqrt{10-2\,\sqrt{5}}}\,\right]\,+\,\left(-5+\sqrt{5}\,\right)\,\sqrt{5+\sqrt{5}}\right]\,\mathrm{ArcTan}\left[\,\frac{\left(5+\sqrt{5}\,\right)\,\mathrm{Tanh}\left[\,\frac{x}{2}\,\right]}{\sqrt{10-2\,\sqrt{5}}}\,\right]\,+\,\left(-5+\sqrt{5}\,\right)\,\sqrt{5+\sqrt{5}}\,\,\mathrm{ArcTan}\left[\,\frac{\left(5+\sqrt{5}\,\right)\,\mathrm{Tanh}\left[\,\frac{x}{2}\,\right]}{\sqrt{10-2\,\sqrt{5}}}\,\right]\,+\,\left(-5+\sqrt{5}\,\right)\,\sqrt{5+\sqrt{5}}\,\,\mathrm{ArcTan}\left[\,\frac{\left(5+\sqrt{5}\,\right)\,\mathrm{Tanh}\left[\,\frac{x}{2}\,\right]}{\sqrt{10-2\,\sqrt{5}}}\,\right]\,+\,\left(-5+\sqrt{5}\,\right)\,\sqrt{5+\sqrt{5}}\,\,\mathrm{ArcTan}\left[\,\frac{\left(5+\sqrt{5}\,\right)\,\mathrm{Tanh}\left[\,\frac{x}{2}\,\right]}{\sqrt{10-2\,\sqrt{5}}}\,\right]\,+\,\left(-5+\sqrt{5}\,\right)\,\sqrt{5+\sqrt{5}}\,\,\mathrm{ArcTan}\left[\,\frac{\left(5+\sqrt{5}\,\right)\,\mathrm{Tanh}\left[\,\frac{x}{2}\,\right]}{\sqrt{10-2\,\sqrt{5}}}\,\right]\,+\,\left(-5+\sqrt{5}\,\right)\,\sqrt{5+\sqrt{5}}\,\,\mathrm{ArcTan}\left[\,\frac{\left(5+\sqrt{5}\,\right)\,\mathrm{Tanh}\left[\,\frac{x}{2}\,\right]}{\sqrt{10-2\,\sqrt{5}}}\,\right]\,+\,\left(-5+\sqrt{5}\,\right)\,\sqrt{5+\sqrt{5}}\,\,\mathrm{ArcTan}\left[\,\frac{\left(5+\sqrt{5}\,\right)\,\mathrm{Tanh}\left[\,\frac{x}{2}\,\right]}{\sqrt{10-2\,\sqrt{5}}}\,\right]\,+\,\left(-5+\sqrt{5}\,\right)\,\sqrt{5+\sqrt{5}}\,\,\mathrm{ArcTan}\left[\,\frac{\left(5+\sqrt{5}\,\right)\,\mathrm{Tanh}\left[\,\frac{x}{2}\,\right]}{\sqrt{10-2\,\sqrt{5}}}\,\right]\,+\,\left(-5+\sqrt{5}\,\right)\,\sqrt{5+\sqrt{5}}\,\,\mathrm{ArcTan}\left[\,\frac{\left(5+\sqrt{5}\,\right)\,\mathrm{Tanh}\left[\,\frac{x}{2}\,\right]}{\sqrt{10-2\,\sqrt{5}}}\,\right]\,+\,\left(-5+\sqrt{5}\,\right)\,\sqrt{5+\sqrt{5}}\,\,\mathrm{ArcTan}\left[\,\frac{\left(5+\sqrt{5}\,\right)\,\mathrm{Tanh}\left[\,\frac{x}{2}\,\right]}{\sqrt{10-2\,\sqrt{5}}}\,\right]\,+\,\left(-5+\sqrt{5}\,\right)\,\sqrt{5+\sqrt{5}}\,\,\mathrm{ArcTan}\left[\,\frac{x}{2}\,\right]\,+\,\left(-5+\sqrt{5}\,\right)\,\sqrt{5+\sqrt{5}}\,\,\mathrm{ArcTan}\left[\,\frac{x}{2}\,\right]\,+\,\left(-5+\sqrt{5}\,\right)\,\sqrt{5+\sqrt{5}}\,\,\mathrm{ArcTan}\left[\,\frac{x}{2}\,\right]\,+\,\left(-5+\sqrt{5}\,\right)\,\sqrt{5+\sqrt{5}}\,\,\mathrm{ArcTan}\left[\,\frac{x}{2}\,\right]\,+\,\left(-5+\sqrt{5}\,\right)\,\sqrt{5+\sqrt{5}}\,\,\mathrm{ArcTan}\left[\,\frac{x}{2}\,\right]\,+\,\left(-5+\sqrt{5}\,\right)\,\sqrt{5+\sqrt{5}}\,\,\mathrm{ArcTan}\left[\,\frac{x}{2}\,\right]\,+\,\left(-5+\sqrt{5}\,\right)\,\sqrt{5+\sqrt{5}}\,\,\mathrm{ArcTan}\left[\,\frac{x}{2}\,\right]\,+\,\left(-5+\sqrt{5}\,\right)\,\sqrt{5+\sqrt{5}}\,\,\mathrm{ArcTan}\left[\,\frac{x}{2}\,\right]\,+\,\left(-5+\sqrt{5}\,\right)\,\mathrm{ArcTan}\left[\,\frac{x}{2}\,\right]\,+\,\left(-5+\sqrt{5}\,\right)\,\mathrm{ArcTan}\left[\,\frac{x}{2}\,\right]\,+\,\left(-5+\sqrt{5}\,\right)\,\mathrm{ArcTan}\left[\,\frac{x}{2}\,\right]\,+\,\left(-5+\sqrt{5}\,\right)\,\mathrm{ArcTan}\left[\,\frac{x}{2}\,\right]\,+\,\left(-5+\sqrt{5}\,\right)\,\mathrm{ArcTan}\left[\,\frac{x}{2}\,\right]\,+\,\left(-5+\sqrt{5}\,\right)\,\mathrm{ArcTan}\left[\,\frac{x}{2}\,\right]\,+\,\left(-5+\sqrt{5}\,\right)\,\mathrm{ArcTan}\left[\,\frac{x}{2}\,\right]\,+\,\left(-5+\sqrt{5}\,\right)\,\mathrm{ArcTan}\left[\,\frac{x}{2}\,\right]\,+\,\left(-5+\sqrt{5}\,\right)\,\mathrm{ArcTan}\left[\,\frac{x}{2}\,\right]\,+\,\left(-5+\sqrt{5}\,\right)\,\mathrm{ArcTan}\left[\,\frac{x}{2}\,\right]\,+\,\left(-5+\sqrt{5}\,\right)\,\mathrm{ArcTan}\left[\,\frac{x}{2}\,\right]\,+\,\left(-5+\sqrt{5}\,\right)\,\mathrm{ArcTan}\left[\,\frac{x}{2}\,\right]\,+\,\left(-5+\sqrt{5}\,\right)\,\mathrm{ArcTan}\left[\,\frac{x}{2}\,\right]\,+\,\left(-5+\sqrt{5}\,\right)\,\mathrm{ArcTan}\left[\,\frac{x}{2}\,\right]\,+\,\left($$

$$\sqrt{5-\sqrt{5}} \left(5+\sqrt{5}\right) \left(\operatorname{ArcTan}\left[\frac{\left(-5+\sqrt{5}\right) \operatorname{Tanh}\left[\frac{x}{2}\right]}{\sqrt{2\left(5+\sqrt{5}\right)}}\right] - \operatorname{ArcTan}\left[\frac{\left(3+\sqrt{5}\right) \operatorname{Tanh}\left[\frac{x}{2}\right]}{\sqrt{2\left(5+\sqrt{5}\right)}}\right]\right) \right) + 20\sqrt{5} \operatorname{Sinh}\left[x\right]$$

Valid but unnecessarily complicated antiderivative:

 $\{Sech[2x]Sinh[x], x, 2, 0\}$ 

$$-\frac{\operatorname{ArcTanh}\left[\sqrt{2} \operatorname{Cosh}[x]\right]}{\sqrt{2}}$$

$$\frac{1}{4\sqrt{2}} \left( -2 \text{ i ArcTan} \left[ \frac{\text{Cosh} \left[ \frac{x}{2} \right] + \text{Sinh} \left[ \frac{x}{2} \right]}{\left( 1 + \sqrt{2} \right) \text{Cosh} \left[ \frac{x}{2} \right] - \left( -1 + \sqrt{2} \right) \text{Sinh} \left[ \frac{x}{2} \right]} \right] + 2 \text{ i ArcTan} \left[ \frac{\text{Cosh} \left[ \frac{x}{2} \right] + \text{Sinh} \left[ \frac{x}{2} \right]}{\left( -1 + \sqrt{2} \right) \text{Cosh} \left[ \frac{x}{2} \right] - \left( 1 + \sqrt{2} \right) \text{Sinh} \left[ \frac{x}{2} \right]} \right] - \frac{1}{2} \left[ -\frac{1}{2} \left[ -$$

$$4\,\texttt{ArcTanh}\!\left[\sqrt{2}\,\,-\,\texttt{i}\,\,\texttt{Tanh}\!\left[\frac{\texttt{x}}{2}\right]\right]\,-\,\texttt{Log}\!\left[2\,\left(\!\sqrt{2}\,\,+\,2\,\,\texttt{Cosh}\!\left[\texttt{x}\right]\right)\right]\,+\,\texttt{Log}\!\left[-2\,\sqrt{2}\,\,+\,4\,\,\texttt{Cosh}\!\left[\texttt{x}\right]\right]$$

Valid but unnecessarily complicated antiderivative:

 $\{Sech[4x]Sinh[x], x, 4, 0\}$ 

$$\frac{1}{4}\,\sqrt{2+\sqrt{2}}\ \text{ArcTanh}\big[\,\frac{2\,\text{Cosh}[\,x\,]}{\sqrt{2-\sqrt{2}}}\,\big]\,-\,\frac{1}{4}\,\sqrt{2-\sqrt{2}}\ \text{ArcTanh}\big[\,\frac{2\,\text{Cosh}[\,x\,]}{\sqrt{2+\sqrt{2}}}\,\big]$$

$$\frac{1}{--} \operatorname{RootSum} \left[ 1 + \sharp 1^8 \& , \right]$$

$$\frac{-x-2 \, \text{Log} \left[-\text{Cosh} \left[\frac{x}{2}\right] - \text{Sinh} \left[\frac{x}{2}\right] + \text{Cosh} \left[\frac{x}{2}\right] \, \# 1 - \text{Sinh} \left[\frac{x}{2}\right] \, \# 1\right] + x \, \# 1^2 + 2 \, \text{Log} \left[-\text{Cosh} \left[\frac{x}{2}\right] - \text{Sinh} \left[\frac{x}{2}\right] + \text{Cosh} \left[\frac{x}{2}\right] \, \# 1 - \text{Sinh} \left[\frac{x}{2}\right] \, \# 1\right] \, \# 1^2}{\# 1^5} \, \& \, \frac{1}{2} \, \# 1 - \frac{1}{2} \, \# 1 -$$

Valid but unnecessarily complicated antiderivative:

 $\{Sech[6x]Sinh[x], x, 7, 0\}$ 

$$\frac{\operatorname{ArcTanh}\left[\sqrt{2} \operatorname{Cosh}[\mathtt{x}]\right]}{3\sqrt{2}} - \frac{1}{12} \left(\sqrt{2} - \sqrt{6}\right) \operatorname{ArcTanh}\left[\left(\sqrt{2} - \sqrt{6}\right) \operatorname{Cosh}[\mathtt{x}]\right] - \frac{1}{12} \left(\sqrt{2} + \sqrt{6}\right) \operatorname{ArcTanh}\left[\left(\sqrt{2} + \sqrt{6}\right) \operatorname{Cosh}[\mathtt{x}]\right] - \frac{1}{12} \left(\sqrt{2} + \sqrt{6}\right) \operatorname{ArcTanh}\left[\left(\sqrt{2} + \sqrt{6}\right) \operatorname{Cosh}[\mathtt{x}]\right] - \frac{1}{12} \left(\sqrt{2} + \sqrt{6}\right) \operatorname{ArcTanh}\left[\left(\sqrt{2} + \sqrt{6}\right) \operatorname{Cosh}[\mathtt{x}]\right] - \frac{1}{12} \left(\sqrt{2} + \sqrt{6}\right) \operatorname{ArcTanh}\left[\left(\sqrt{2} + \sqrt{6}\right) \operatorname{Cosh}[\mathtt{x}]\right] - \frac{1}{12} \left(\sqrt{2} + \sqrt{6}\right) \operatorname{ArcTanh}\left[\left(\sqrt{2} + \sqrt{6}\right) \operatorname{Cosh}[\mathtt{x}]\right] - \frac{1}{12} \left(\sqrt{2} + \sqrt{6}\right) \operatorname{ArcTanh}\left[\left(\sqrt{2} + \sqrt{6}\right) \operatorname{Cosh}[\mathtt{x}]\right] - \frac{1}{12} \left(\sqrt{2} + \sqrt{6}\right) \operatorname{ArcTanh}\left[\left(\sqrt{2} + \sqrt{6}\right) \operatorname{ArcTanh}\left[\left(\sqrt{2} + \sqrt{6}\right) \operatorname{Cosh}[\mathtt{x}]\right] - \frac{1}{12} \left(\sqrt{2} + \sqrt{6}\right) \operatorname{ArcTanh}\left[\left(\sqrt{2} + \sqrt{6}\right) \operatorname{ArcT$$

$$\frac{1}{24\sqrt{2}}\left(4\text{ i } \operatorname{ArcTan}\left[\frac{\operatorname{Cosh}\left[\frac{x}{2}\right] + \operatorname{Sinh}\left[\frac{x}{2}\right]}{\left(1+\sqrt{2}\right)\operatorname{Cosh}\left[\frac{x}{2}\right] - \left(-1+\sqrt{2}\right)\operatorname{Sinh}\left[\frac{x}{2}\right]}\right] - 4\text{ i } \operatorname{ArcTan}\left[\frac{\operatorname{Cosh}\left[\frac{x}{2}\right] + \operatorname{Sinh}\left[\frac{x}{2}\right]}{\left(-1+\sqrt{2}\right)\operatorname{Cosh}\left[\frac{x}{2}\right] - \left(1+\sqrt{2}\right)\operatorname{Sinh}\left[\frac{x}{2}\right]}\right] + \\ 8\operatorname{ArcTanh}\left[\sqrt{2} - i\operatorname{Tanh}\left[\frac{x}{2}\right]\right] + 2\operatorname{Log}\left[2\left(\sqrt{2} + 2\operatorname{Cosh}[x]\right)\right] - 2\operatorname{Log}\left[-2\sqrt{2} + 4\operatorname{Cosh}[x]\right] + \\ \sqrt{2}\operatorname{RootSum}\left[1 - \sharp 1^4 + \sharp 1^8 \&, \frac{1}{-\sharp 1^3 + 2 \sharp 1^7}\left(-x - 2\operatorname{Log}\left[-\operatorname{Cosh}\left[\frac{x}{2}\right] - \operatorname{Sinh}\left[\frac{x}{2}\right] + \operatorname{Cosh}\left[\frac{x}{2}\right] \sharp 1 - \operatorname{Sinh}\left[\frac{x}{2}\right] \sharp 1\right] + x \sharp 1^2 + \\ 2\operatorname{Log}\left[-\operatorname{Cosh}\left[\frac{x}{2}\right] - \operatorname{Sinh}\left[\frac{x}{2}\right] + \operatorname{Cosh}\left[\frac{x}{2}\right] \sharp 1 - \operatorname{Sinh}\left[\frac{x}{2}\right] \sharp 1\right] \sharp 1^2 - x \sharp 1^4 - 2\operatorname{Log}\left[-\operatorname{Cosh}\left[\frac{x}{2}\right] - \operatorname{Sinh}\left[\frac{x}{2}\right] + \\ \operatorname{Cosh}\left[\frac{x}{2}\right] \sharp 1 - \operatorname{Sinh}\left[\frac{x}{2}\right] \sharp 1\right] \sharp 1^4 + x \sharp 1^6 + 2\operatorname{Log}\left[-\operatorname{Cosh}\left[\frac{x}{2}\right] - \operatorname{Sinh}\left[\frac{x}{2}\right] + \operatorname{Cosh}\left[\frac{x}{2}\right] \sharp 1 - \operatorname{Sinh}\left[\frac{x}{2}\right] \sharp 1\right] \sharp 1^6\right) \&\right]$$

$$\{Csch[4x]Sinh[x], x, 4, 0\}$$

$$\begin{split} & -\frac{1}{4}\operatorname{ArcTan}[\operatorname{Sinh}[\mathtt{x}]] + \frac{\operatorname{ArcTan}\left[\sqrt{2} \ \operatorname{Sinh}[\mathtt{x}]\right]}{2\sqrt{2}} \\ & \frac{1}{16}\left(2\sqrt{2} \ \operatorname{ArcTan}\left[\frac{\operatorname{Cosh}\left[\frac{\mathtt{x}}{2}\right] + \operatorname{Sinh}\left[\frac{\mathtt{x}}{2}\right]}{\left(1+\sqrt{2}\right) \operatorname{Cosh}\left[\frac{\mathtt{x}}{2}\right] - \left(-1+\sqrt{2}\right) \operatorname{Sinh}\left[\frac{\mathtt{x}}{2}\right]}\right] + \\ & 2\sqrt{2} \ \operatorname{ArcTan}\left[\frac{\operatorname{Cosh}\left[\frac{\mathtt{x}}{2}\right] + \operatorname{Sinh}\left[\frac{\mathtt{x}}{2}\right]}{\left(-1+\sqrt{2}\right) \operatorname{Cosh}\left[\frac{\mathtt{x}}{2}\right] - \left(1+\sqrt{2}\right) \operatorname{Sinh}\left[\frac{\mathtt{x}}{2}\right]}\right] + 2\sqrt{2} \ \operatorname{ArcTan}\left[\sqrt{2} \ \operatorname{Sinh}[\mathtt{x}]\right] - 8 \operatorname{ArcTan}\left[\operatorname{Tanh}\left[\frac{\mathtt{x}}{2}\right]\right] - i\sqrt{2} \ \operatorname{Log}\left[2\left(\sqrt{2} + 2 \operatorname{Cosh}[\mathtt{x}]\right)\right] - i\sqrt{2} \ \operatorname{Log}\left[-2\sqrt{2} + 4 \operatorname{Cosh}[\mathtt{x}]\right] + i\sqrt{2} \ \operatorname{Log}\left[2 \operatorname{Cosh}[2\,\mathtt{x}]\right] \end{split}$$

FullSimplify::ztest1:

$$\text{Unable to decide whether numeric quantity} - \frac{16}{5 \left( 3 + \sqrt{5} \right)^2} - \frac{8}{\sqrt{5} \left( 3 + \sqrt{5} \right)^2} + \frac{2 \sqrt{\frac{1}{5} \left( 6 + 2 \sqrt{5} \right)}}{\left( 3 + \sqrt{5} \right)^2} + \frac{6 \sqrt{\frac{1}{5} \left( 30 + 10 \sqrt{5} \right)}}{5 \left( 3 + \sqrt{5} \right)^2}$$

is equal to zero. Assuming it is. ≫

Valid but unnecessarily complicated antiderivative:

$$\{Cosh[x] Tanh[2x], x, 5, 0\}$$

$$-\frac{\operatorname{ArcTanh}\left[\sqrt{2} \ \operatorname{Cosh}[x]\right]}{\sqrt{2}} + \operatorname{Cosh}[x]$$

$$\frac{1}{4\sqrt{2}} \left(-2 \ \operatorname{inArcTanh}\left[\frac{\operatorname{Cosh}\left[\frac{x}{2}\right] + \operatorname{Sinh}\left[\frac{x}{2}\right]}{\left(1 + \sqrt{2}\right) \ \operatorname{Cosh}\left[\frac{x}{2}\right] - \left(-1 + \sqrt{2}\right) \ \operatorname{Sinh}\left[\frac{x}{2}\right]}\right] + 2 \ \operatorname{inArcTanh}\left[\frac{\operatorname{Cosh}\left[\frac{x}{2}\right] + \operatorname{Sinh}\left[\frac{x}{2}\right]}{\left(-1 + \sqrt{2}\right) \ \operatorname{Cosh}\left[\frac{x}{2}\right] - \left(1 + \sqrt{2}\right) \ \operatorname{Sinh}\left[\frac{x}{2}\right]}\right] - 4 \ \operatorname{ArcTanh}\left[\sqrt{2} - \operatorname{inTanh}\left[\frac{x}{2}\right]\right] + 4 \ \sqrt{2} \ \operatorname{Cosh}[x] - \operatorname{Log}\left[2\left(\sqrt{2} + 2 \operatorname{Cosh}[x]\right)\right] + \operatorname{Log}\left[-2\sqrt{2} + 4 \operatorname{Cosh}[x]\right]\right)$$

Valid but unnecessarily complicated antiderivative:

 $\{Cosh[x] Tanh[3x], x, 4, 0\}$ 

$$\begin{split} & -\frac{\text{ArcTanh}\Big[\frac{2\operatorname{Cosh}[\mathbf{x}]}{\sqrt{3}}\Big]}{\sqrt{3}} + \operatorname{Cosh}[\mathbf{x}] \\ & -\frac{\text{ArcTanh}\Big[\frac{2-i\operatorname{Tanh}\left[\frac{\mathbf{x}}{2}\right]}{\sqrt{3}}\Big]}{\sqrt{3}} - \frac{\operatorname{ArcTanh}\Big[\frac{2+i\operatorname{Tanh}\left[\frac{\mathbf{x}}{2}\right]}{\sqrt{3}}\Big]}{\sqrt{3}} + \operatorname{Cosh}[\mathbf{x}] \end{split}$$

Valid but unnecessarily complicated antiderivative:

 $\{Cosh[x] Tanh[4x], x, 6, 0\}$ 

$$-\frac{1}{4}\,\sqrt{2-\sqrt{2}}\,\,\operatorname{ArcTanh}\big[\,\frac{2\,\operatorname{Cosh}[\,x\,]}{\sqrt{2-\sqrt{2}}}\,\big]\,-\,\frac{1}{4}\,\sqrt{\,2+\sqrt{2}\,\,\,}\operatorname{ArcTanh}\big[\,\frac{2\,\operatorname{Cosh}[\,x\,]}{\sqrt{\,2+\sqrt{2}}}\,\big]\,+\,\operatorname{Cosh}[\,x\,]$$

$$\operatorname{Cosh}[x] + \frac{1}{---} \operatorname{RootSum}[1 + \sharp 1^8 \&,]$$

Valid but unnecessarily complicated antiderivative:

 $\{Cosh[x] Tanh[5x], x, 6, 0\}$ 

$$-\frac{1}{10} \, \sqrt{10 - 2 \, \sqrt{5}} \, \, \, \text{ArcTanh} \big[ \frac{4 \, \text{Cosh} \, [\mathtt{x}]}{\sqrt{10 - 2 \, \sqrt{5}}} \, \big] \, - \, \frac{1}{10} \, \sqrt{10 + 2 \, \sqrt{5}} \, \, \, \, \text{ArcTanh} \big[ \frac{4 \, \text{Cosh} \, [\mathtt{x}]}{\sqrt{10 + 2 \, \sqrt{5}}} \, \big] \, + \, \text{Cosh} \, [\mathtt{x}]$$

Cosh[x] +

$$\frac{1}{4} \operatorname{RootSum} \left[ 1 - \sharp 1^2 + \sharp 1^4 - \sharp 1^6 + \sharp 1^8 \&, \frac{1}{-\sharp 1 + 2 \, \sharp 1^3 - 3 \, \sharp 1^5 + 4 \, \sharp 1^7} \left( -x - 2 \, \text{Log} \left[ -\text{Cosh} \left[ \frac{x}{2} \right] - \text{Sinh} \left[ \frac{x}{2} \right] + \text{Cosh} \left[ \frac{x}{2} \right] \, \sharp 1 - \text{Sinh} \left[ \frac{x}{2} \right] \, \sharp 1 \right] + x \, \sharp 1^2 + 2 \, \operatorname{Log} \left[ -\text{Cosh} \left[ \frac{x}{2} \right] - \text{Sinh} \left[ \frac{x}{2} \right] + \text{Cosh} \left[ \frac{x}{2} \right] \, \sharp 1 - \text{Sinh} \left[ \frac{x}{2} \right] \, \sharp 1 \right] \, \sharp 1^2 - x \, \sharp 1^4 - 2 \, \operatorname{Log} \left[ -\text{Cosh} \left[ \frac{x}{2} \right] - \text{Sinh} \left[ \frac{x}{2} \right] + \text{Cosh} \left[ \frac{x}{2} \right] \, \sharp 1 - \text{Sinh} \left[ \frac{x}{2} \right] \, \sharp 1 \right] \, \sharp 1^4 + x \, \sharp 1^6 + 2 \, \operatorname{Log} \left[ -\text{Cosh} \left[ \frac{x}{2} \right] - \text{Sinh} \left[ \frac{x}{2} \right] + \text{Cosh} \left[ \frac{x}{2} \right] \, \sharp 1 - \text{Sinh} \left[ \frac{x}{2} \right] \, \sharp 1 \right] \, \sharp 1^6 \right) \, \& \right]$$

Valid but unnecessarily complicated antiderivative:

 $\{Cosh[x] Tanh[6x], x, 8, 0\}$ 

$$-\frac{\operatorname{ArcTanh}\left[\sqrt{2} \operatorname{Cosh}[\mathtt{x}]\right]}{3\sqrt{2}} + \frac{1}{12}\left(\sqrt{2} + \sqrt{6}\right) \operatorname{ArcTanh}\left[\left(\sqrt{2} - \sqrt{6}\right) \operatorname{Cosh}[\mathtt{x}]\right] + \frac{1}{12}\left(\sqrt{2} - \sqrt{6}\right) \operatorname{ArcTanh}\left[\left(\sqrt{2} + \sqrt{6}\right) \operatorname{Cosh}[\mathtt{x}]\right] + \operatorname{Cosh}[\mathtt{x}]\right]$$

$$\frac{1}{24\sqrt{2}}\left(-4 \text{ i } \operatorname{ArcTan}\left[\frac{\operatorname{Cosh}\left[\frac{x}{2}\right] + \operatorname{Sinh}\left[\frac{x}{2}\right]}{\left(1+\sqrt{2}\right)\operatorname{Cosh}\left[\frac{x}{2}\right] - \left(-1+\sqrt{2}\right)\operatorname{Sinh}\left[\frac{x}{2}\right]}\right] + 4 \text{ i } \operatorname{ArcTan}\left[\frac{\operatorname{Cosh}\left[\frac{x}{2}\right] + \operatorname{Sinh}\left[\frac{x}{2}\right]}{\left(-1+\sqrt{2}\right)\operatorname{Cosh}\left[\frac{x}{2}\right] - \left(1+\sqrt{2}\right)\operatorname{Sinh}\left[\frac{x}{2}\right]}\right] - 8 \operatorname{ArcTanh}\left[\sqrt{2} - i \operatorname{Tanh}\left[\frac{x}{2}\right]\right] + 24\sqrt{2} \operatorname{Cosh}[x] - 2\operatorname{Log}\left[2\left(\sqrt{2} + 2\operatorname{Cosh}[x]\right)\right] + 2\operatorname{Log}\left[-2\sqrt{2} + 4\operatorname{Cosh}[x]\right] + \sqrt{2} \operatorname{RootSum}\left[1 - \sharp 1^4 + \sharp 1^8 \&, \frac{1}{-\sharp 1^3 + 2 \sharp 1^7} \left(-2 \times - 4\operatorname{Log}\left[-\operatorname{Cosh}\left[\frac{x}{2}\right] - \operatorname{Sinh}\left[\frac{x}{2}\right] + \operatorname{Cosh}\left[\frac{x}{2}\right] \sharp 1 - \operatorname{Sinh}\left[\frac{x}{2}\right] \sharp 1 - \operatorname{Sinh}\left[\frac{x}{2}\right] \sharp 1\right] - \times \sharp 1^2 - 2\operatorname{Log}\left[-\operatorname{Cosh}\left[\frac{x}{2}\right] - \operatorname{Sinh}\left[\frac{x}{2}\right] \sharp 1 - \operatorname{Sinh}\left[\frac{x}{2}\right] \sharp 1 - \operatorname{Sinh}\left[\frac{x}{2}\right] + \operatorname{Cosh}\left[\frac{x}{2}\right] + \operatorname{Cosh}\left[\frac{x}{2}\right] + \operatorname{Cosh}\left[\frac{x}{2}\right] + \operatorname{Cosh}\left[\frac{x}{2}\right] \sharp 1 - \operatorname{Sinh}\left[\frac{x}{2}\right] + \operatorname{Cosh}\left[\frac{x}{2}\right] + \operatorname{Cosh}\left[\frac{x}{2}\right] \sharp 1 - \operatorname{Sinh}\left[\frac{x}{2}\right] + \operatorname{Cosh}\left[\frac{x}{2}\right] + \operatorname{Cosh}\left[\frac{x}$$

$$\{Cosh[x] Coth[2x], x, 4, 0\}$$

$$\frac{1}{--\operatorname{ArcTanh}[\operatorname{Cosh}[x]] + \operatorname{Cosh}[x]}$$

$$\frac{1}{2} \left( 2 \, \mathsf{Cosh}[x] \, - \mathsf{Log} \big[ \mathsf{Cosh} \big[ \frac{x}{2} \big] \, \big] + \mathsf{Log} \big[ \mathsf{Sinh} \big[ \frac{x}{2} \big] \, \big] \right)$$

Valid but unnecessarily complicated antiderivative:

$$\{Cosh[x] Coth[4x], x, 5, 0\}$$

$$-\frac{1}{4}\operatorname{ArcTanh}[\operatorname{Cosh}[x]] - \frac{\operatorname{ArcTanh}\left[\sqrt{2}\operatorname{Cosh}[x]\right]}{2\sqrt{2}} + \operatorname{Cosh}[x]$$

$$\frac{1}{8\,\sqrt{2}}\,\left[-2\,\,\text{i}\,\,\text{ArcTan}\,\big[\,\frac{\text{Cosh}\big[\frac{x}{2}\,\big]\,+\,\text{Sinh}\big[\frac{x}{2}\,\big]}{\left(1+\sqrt{2}\,\right)\,\,\text{Cosh}\big[\frac{x}{2}\,\big]\,-\,\left(-1+\sqrt{2}\,\right)\,\,\text{Sinh}\big[\frac{x}{2}\,\big]}\,\right]\,+\,$$

$$2 \text{ i ArcTanh} \Big[ \frac{\text{Cosh} \left[\frac{x}{2}\right] + \text{Sinh} \left[\frac{x}{2}\right]}{\left(-1 + \sqrt{2}\right) \text{Cosh} \left[\frac{x}{2}\right] - \left(1 + \sqrt{2}\right) \text{Sinh} \left[\frac{x}{2}\right]} \Big] - 4 \text{ ArcTanh} \Big[ \sqrt{2} - \text{i Tanh} \left[\frac{x}{2}\right] \Big] + 8 \sqrt{2} \text{ Cosh} [x] - \frac{x}{2} + \frac{$$

$$2\sqrt{2} \log \left[\cosh\left[\frac{\mathbf{x}}{2}\right]\right] - \log\left[2\left(\sqrt{2} + 2\cosh[\mathbf{x}]\right)\right] + \log\left[-2\sqrt{2} + 4\cosh[\mathbf{x}]\right] + 2\sqrt{2} \log\left[\sinh\left[\frac{\mathbf{x}}{2}\right]\right]$$

Valid but unnecessarily complicated antiderivative:

$$\frac{1}{-\frac{1}{6}} \operatorname{ArcTanh}[\operatorname{Cosh}[\mathtt{x}]] - \frac{1}{-\frac{1}{6}} \operatorname{ArcTanh}[2\operatorname{Cosh}[\mathtt{x}]] - \frac{2\operatorname{Cosh}[\mathtt{x}]}{2\sqrt{3}} + \operatorname{Cosh}[\mathtt{x}]$$

$$\frac{1}{12} \left[ -2\sqrt{3} \ \text{ArcTanh} \Big[ \frac{2-\text{i} \ \text{Tanh} \Big[ \frac{x}{2} \Big]}{\sqrt{3}} \, \Big] - 2\sqrt{3} \ \text{ArcTanh} \Big[ \frac{2+\text{i} \ \text{Tanh} \Big[ \frac{x}{2} \Big]}{\sqrt{3}} \Big] + \right.$$

$$12 \operatorname{Cosh}[x] - 2 \operatorname{Log}\left[\operatorname{Cosh}\left[\frac{x}{2}\right]\right] + \operatorname{Log}\left[-1 + 2 \operatorname{Cosh}[x]\right] - \operatorname{Log}\left[1 + 2 \operatorname{Cosh}[x]\right] + 2 \operatorname{Log}\left[\operatorname{Sinh}\left[\frac{x}{2}\right]\right]$$

$$\{Cosh[x] Sech[2x], x, 2, 0\}$$

$$\frac{\operatorname{ArcTan}\left[\sqrt{2} \operatorname{Sinh}[x]\right]}{\sqrt{2}}$$

$$\frac{1}{4\sqrt{2}}\left(2 \operatorname{ArcTan}\left[\frac{\operatorname{Cosh}\left[\frac{x}{2}\right] + \operatorname{Sinh}\left[\frac{x}{2}\right]}{\left(1+\sqrt{2}\right) \operatorname{Cosh}\left[\frac{x}{2}\right] - \left(-1+\sqrt{2}\right) \operatorname{Sinh}\left[\frac{x}{2}\right]}\right] + 2 \operatorname{ArcTan}\left[\frac{\operatorname{Cosh}\left[\frac{x}{2}\right] + \operatorname{Sinh}\left[\frac{x}{2}\right]}{\left(-1+\sqrt{2}\right) \operatorname{Cosh}\left[\frac{x}{2}\right] - \left(1+\sqrt{2}\right) \operatorname{Sinh}\left[\frac{x}{2}\right]}\right] + 2 \operatorname{ArcTan}\left[\frac{\operatorname{Cosh}\left[\frac{x}{2}\right] + \operatorname{Sinh}\left[\frac{x}{2}\right]}{\left(-1+\sqrt{2}\right) \operatorname{Cosh}\left[\frac{x}{2}\right] - \left(1+\sqrt{2}\right) \operatorname{Sinh}\left[\frac{x}{2}\right]}\right] + 2 \operatorname{ArcTan}\left[\frac{\operatorname{Cosh}\left[\frac{x}{2}\right] + \operatorname{Cosh}\left[\frac{x}{2}\right] - \left(1+\sqrt{2}\right) \operatorname{Cosh}\left[\frac{x}{2}\right] - \left($$

$$2 \arctan \left[ \sqrt{2} \sinh[x] \right] - i \log \left[ 2 \left( \sqrt{2} + 2 \cosh[x] \right) \right] - i \log \left[ -2 \sqrt{2} + 4 \cosh[x] \right] + i \log[2 \cosh[2 x]]$$

Valid but unnecessarily complicated antiderivative:

 $\{Cosh[x] Sech[4x], x, 4, 0\}$ 

$$\frac{1}{4}\sqrt{2+\sqrt{2}} \ \operatorname{ArcTan} \left[ \frac{2 \, \sinh[\mathtt{x}]}{\sqrt{2-\sqrt{2}}} \right] - \frac{1}{4}\sqrt{2-\sqrt{2}} \ \operatorname{ArcTan} \left[ \frac{2 \, \sinh[\mathtt{x}]}{\sqrt{2+\sqrt{2}}} \right]$$

$$\frac{1}{-16} \operatorname{RootSum} \left[ 1 + \sharp 1^8 \& , \right]$$

$$\frac{x + 2 \log \left[-\cosh \left[\frac{x}{2}\right] - \sinh \left[\frac{x}{2}\right] + \cosh \left[\frac{x}{2}\right] + 1 - \sinh \left[\frac{x}{2}\right] + 1 + x + 1^2 + 2 \log \left[-\cosh \left[\frac{x}{2}\right] - \sinh \left[\frac{x}{2}\right] + \cosh \left[\frac{x}{2}\right] + 1 - \sinh \left[\frac{x}{2}\right] + 1^2 + 1^2 + 2 \log \left[-\cosh \left[\frac{x}{2}\right] - \sinh \left[\frac{x}{2}\right] + 1 -$$

Valid but unnecessarily complicated antiderivative:

 $\{Cosh[x] Sech[6x], x, 7, 0\}$ 

$$-\frac{\operatorname{ArcTan}\left[\sqrt{2} \ \operatorname{Sinh}\left[\mathbf{x}\right]\right]}{3 \sqrt{2}} + \frac{1}{12} \left(\sqrt{2} - \sqrt{6}\right) \operatorname{ArcTan}\left[\left(\sqrt{2} - \sqrt{6}\right) \operatorname{Sinh}\left[\mathbf{x}\right]\right] + \frac{1}{12} \left(\sqrt{2} + \sqrt{6}\right) \operatorname{ArcTan}\left[\left(\sqrt{2} + \sqrt{6}\right) \operatorname{Sinh}\left[\mathbf{x}\right]\right] + \frac{1}{12} \left(\sqrt{2} + \sqrt{6}\right) \operatorname{ArcTan}\left[\left(\sqrt{2} + \sqrt{6}\right) \operatorname{Sinh}\left[\mathbf{x}\right]\right] + \frac{1}{12} \left(\sqrt{2} + \sqrt{6}\right) \operatorname{ArcTan}\left[\left(\sqrt{2} + \sqrt{6}\right$$

$$\frac{1}{24} \left( -\sqrt{2} \left[ 2 \operatorname{ArcTan} \left[ \frac{\operatorname{Cosh} \left[ \frac{x}{2} \right] + \operatorname{Sinh} \left[ \frac{x}{2} \right]}{\left( 1 + \sqrt{2} \right) \operatorname{Cosh} \left[ \frac{x}{2} \right] - \left( -1 + \sqrt{2} \right) \operatorname{Sinh} \left[ \frac{x}{2} \right]} \right] + 2 \operatorname{ArcTan} \left[ \frac{\operatorname{Cosh} \left[ \frac{x}{2} \right] + \operatorname{Sinh} \left[ \frac{x}{2} \right]}{\left( -1 + \sqrt{2} \right) \operatorname{Cosh} \left[ \frac{x}{2} \right] - \left( 1 + \sqrt{2} \right) \operatorname{Sinh} \left[ \frac{x}{2} \right]} \right] + 2 \operatorname{ArcTan} \left[ \frac{\operatorname{Cosh} \left[ \frac{x}{2} \right] + \operatorname{Sinh} \left[ \frac{x}{2} \right]}{\left( -1 + \sqrt{2} \right) \operatorname{Cosh} \left[ \frac{x}{2} \right] - \left( 1 + \sqrt{2} \right) \operatorname{Sinh} \left[ \frac{x}{2} \right]} \right] + 2 \operatorname{ArcTan} \left[ \frac{\operatorname{Cosh} \left[ \frac{x}{2} \right] + \operatorname{Sinh} \left[ \frac{x}{2} \right]}{\left( -1 + \sqrt{2} \right) \operatorname{Cosh} \left[ \frac{x}{2} \right] - \left( 1 + \sqrt{2} \right) \operatorname{Sinh} \left[ \frac{x}{2} \right]} \right] + 2 \operatorname{ArcTan} \left[ \frac{\operatorname{Cosh} \left[ \frac{x}{2} \right] + \operatorname{Sinh} \left[ \frac{x}{2} \right]}{\left( -1 + \sqrt{2} \right) \operatorname{Cosh} \left[ \frac{x}{2} \right] - \left( 1 + \sqrt{2} \right) \operatorname{Sinh} \left[ \frac{x}{2} \right]} \right] + 2 \operatorname{ArcTan} \left[ \frac{\operatorname{Cosh} \left[ \frac{x}{2} \right] + \operatorname{Sinh} \left[ \frac{x}{2} \right]}{\left( -1 + \sqrt{2} \right) \operatorname{Cosh} \left[ \frac{x}{2} \right] - \left( 1 + \sqrt{2} \right) \operatorname{Sinh} \left[ \frac{x}{2} \right]} \right] + 2 \operatorname{ArcTan} \left[ \frac{\operatorname{Cosh} \left[ \frac{x}{2} \right] + \operatorname{Sinh} \left[ \frac{x}{2} \right]}{\left( -1 + \sqrt{2} \right) \operatorname{Cosh} \left[ \frac{x}{2} \right] - \left( 1 + \sqrt{2} \right) \operatorname{Sinh} \left[ \frac{x}{2} \right]} \right] + 2 \operatorname{ArcTan} \left[ \frac{\operatorname{Cosh} \left[ \frac{x}{2} \right] + \operatorname{Cosh} \left[ \frac{x}{2} \right] + \operatorname{Cosh} \left[ \frac{x}{2} \right]}{\left( -1 + \sqrt{2} \right) \operatorname{Cosh} \left[ \frac{x}{2} \right] - \left( 1 + \sqrt{2} \right) \operatorname{Cosh} \left[ \frac{x}{2} \right]} \right] + 2 \operatorname{ArcTan} \left[ \frac{\operatorname{Cosh} \left[ \frac{x}{2} \right] + \operatorname{Cosh} \left[ \frac{x}{2} \right]}{\left( -1 + \sqrt{2} \right) \operatorname{Cosh} \left[ \frac{x}{2} \right] - \left( 1 + \sqrt{2} \right) \operatorname{Cosh} \left[ \frac{x}{2} \right]} \right] + 2 \operatorname{ArcTan} \left[ \frac{\operatorname{Cosh} \left[ \frac{x}{2} \right] + \operatorname{Cosh} \left[ \frac{x}{2} \right]}{\left( -1 + \sqrt{2} \right) \operatorname{Cosh} \left[ \frac{x}{2} \right]} \right] + 2 \operatorname{ArcTan} \left[ \frac{\operatorname{Cosh} \left[ \frac{x}{2} \right]}{\left( -1 + \sqrt{2} \right) \operatorname{Cosh} \left[ \frac{x}{2} \right]} \right] + 2 \operatorname{ArcTan} \left[ \frac{\operatorname{Cosh} \left[ \frac{x}{2} \right]}{\left( -1 + \sqrt{2} \right) \operatorname{Cosh} \left[ \frac{x}{2} \right]} \right] + 2 \operatorname{ArcTan} \left[ \frac{\operatorname{Cosh} \left[ \frac{x}{2} \right]}{\left( -1 + \sqrt{2} \right) \operatorname{Cosh} \left[ \frac{x}{2} \right]} \right] + 2 \operatorname{ArcTan} \left[ \frac{\operatorname{Cosh} \left[ \frac{x}{2} \right]}{\left( -1 + \sqrt{2} \right) \operatorname{Cosh} \left[ \frac{x}{2} \right]} \right] + 2 \operatorname{ArcTan} \left[ \frac{\operatorname{Cosh} \left[ \frac{x}{2} \right]}{\left( -1 + \sqrt{2} \right) \operatorname{Cosh} \left[ \frac{x}{2} \right]} \right] + 2 \operatorname{ArcTan} \left[ \frac{\operatorname{Cosh} \left[ \frac{x}{2} \right]}{\left( -1 + \sqrt{2} \right) \operatorname{Cosh} \left[ \frac{x}{2} \right]} \right] + 2 \operatorname{ArcTan} \left[ \frac{\operatorname{Cosh} \left[ \frac{x}{2} \right]}{\left( -1 + \sqrt{2} \right) \operatorname{Cosh}$$

$$2\,\texttt{ArcTan}\big[\sqrt{2}\,\texttt{Sinh}[\mathtt{x}]\,\big] \,-\, \mathtt{i}\,\texttt{Log}\big[2\,\left(\sqrt{2}\,+\,2\,\texttt{Cosh}[\mathtt{x}]\,\right)\big] \,-\, \mathtt{i}\,\texttt{Log}\big[-2\,\sqrt{2}\,+\,4\,\texttt{Cosh}[\mathtt{x}]\,\big] \,+\, \mathtt{i}\,\texttt{Log}\big[2\,\texttt{Cosh}\big[2\,\mathtt{x}]\,\big] \,\bigg] \,+\, \mathtt{i}\,\texttt{Log}\big[2\,\texttt{Log}\big[2\,\texttt{Log}\big[2\,\mathtt{cosh}\big[2\,\mathtt{x}]\,\big] \,\bigg] \,+\, \mathtt{i}\,\texttt{Log}\big[2\,\texttt{Log}\big[2\,\texttt{Log}\big[2\,\mathtt{cosh}\big[2\,\mathtt{x}]\,\big] \,\bigg] \,+\, \mathtt{i}\,\texttt{Log}\big[2\,\texttt{Log}\big[2\,\texttt{Log}\big[2\,\mathtt{cosh}\big[2\,\mathtt{x}]\,\big] \,\bigg] \,\bigg] \,+\, \mathtt{i}\,\texttt{Log}\big[2\,\texttt{Log}\big[2\,\texttt{Log}\big[2\,\mathtt{cosh}\big[2\,\mathtt{x}]\,\big] \,\bigg] \,+\, \mathtt{i}\,\texttt{Log}\big[2\,\texttt{Log}\big[2\,\mathtt{cosh}\big[2\,\mathtt{x}]\,\big] \,\bigg] \,+\, \mathtt{i}\,\texttt{Log}\big[2\,\texttt{Log}\big[2\,\mathtt{cosh}\big[2\,\mathtt{x}]\,\big] \,\bigg] \,\bigg] \,+\, \mathtt{i}\,\texttt{Log}\big[2\,\mathtt{Log}\big[2\,\mathtt{cosh}\big[2\,\mathtt{x}]\,\big] \,\bigg] \,\bigg] \,\bigg] \,+\, \mathtt{i}\,\texttt{Log}\big[2\,\mathtt{Log}\big[2$$

$$\mathsf{RootSum} \left[ 1 - \sharp 1^4 + \sharp 1^8 \, \& \,, \, \, \frac{1}{-\sharp 1^3 + 2 \, \sharp 1^7} \left( x + 2 \, \mathsf{Log} \left[ -\mathsf{Cosh} \left[ \frac{x}{2} \right] - \mathsf{Sinh} \left[ \frac{x}{2} \right] + \mathsf{Cosh} \left[ \frac{x}{2} \right] \, \sharp 1 - \mathsf{Sinh} \left[ \frac{x}{2} \right] \, \sharp 1 \right] + x \, \sharp 1^2 + x \, \sharp 1^3 + x \, 1^3 +$$

Valid but unnecessarily complicated antiderivative:

$$\frac{1}{2} \left( -\text{Log} \left[ 2 \, \text{Cosh} \left[ \frac{x}{2} \right] \right] + \text{Log} \left[ 2 \, \text{Sinh} \left[ \frac{x}{2} \right] \right] \right)$$

$$\{Cosh[x] Csch[4x], x, 4, 0\}$$

$$\begin{split} & \frac{1}{4}\operatorname{ArcTanh}[\operatorname{Cosh}[\mathtt{x}]\,] + \frac{\operatorname{ArcTanh}\left[\sqrt{2}\,\operatorname{Cosh}[\mathtt{x}]\,\right]}{2\,\sqrt{2}} \\ & \frac{1}{8\,\sqrt{2}}\left(2\,\operatorname{i}\,\operatorname{ArcTan}\left[\frac{\operatorname{Cosh}\left[\frac{\mathtt{x}}{2}\right] + \operatorname{Sinh}\left[\frac{\mathtt{x}}{2}\right]}{\left(1+\sqrt{2}\right)\,\operatorname{Cosh}\left[\frac{\mathtt{x}}{2}\right] - \left(-1+\sqrt{2}\right)\,\operatorname{Sinh}\left[\frac{\mathtt{x}}{2}\right]}\right] - \\ & 2\,\operatorname{i}\,\operatorname{ArcTan}\left[\frac{\operatorname{Cosh}\left[\frac{\mathtt{x}}{2}\right] + \operatorname{Sinh}\left[\frac{\mathtt{x}}{2}\right]}{\left(-1+\sqrt{2}\right)\,\operatorname{Cosh}\left[\frac{\mathtt{x}}{2}\right] - \left(1+\sqrt{2}\right)\,\operatorname{Sinh}\left[\frac{\mathtt{x}}{2}\right]}\right] + 4\operatorname{ArcTanh}\left[\sqrt{2} - \operatorname{i}\,\operatorname{Tanh}\left[\frac{\mathtt{x}}{2}\right]\right] - \\ & 2\,\sqrt{2}\,\operatorname{Log}\left[\operatorname{Cosh}\left[\frac{\mathtt{x}}{2}\right]\right] + \operatorname{Log}\left[2\left(\sqrt{2} + 2\operatorname{Cosh}[\mathtt{x}]\right)\right] - \operatorname{Log}\left[-2\sqrt{2} + 4\operatorname{Cosh}[\mathtt{x}]\right] + 2\sqrt{2}\,\operatorname{Log}\left[\operatorname{Sinh}\left[\frac{\mathtt{x}}{2}\right]\right] \end{split}$$

Valid but unnecessarily complicated antiderivative:

$$-\frac{1}{6}\operatorname{ArcTanh}[\operatorname{Cosh}[x]] - \frac{1}{6}\operatorname{ArcTanh}[2\operatorname{Cosh}[x]] + \frac{\operatorname{ArcTanh}\left[\frac{2\operatorname{Cosh}[x]}{\sqrt{3}}\right]}{2\sqrt{3}}$$
 
$$\frac{1}{12}\left(2\sqrt{3}\operatorname{ArcTanh}\left[\frac{2-i\operatorname{Tanh}\left[\frac{x}{2}\right]}{\sqrt{3}}\right] + 2\sqrt{3}\operatorname{ArcTanh}\left[\frac{2+i\operatorname{Tanh}\left[\frac{x}{2}\right]}{\sqrt{3}}\right] - 2\operatorname{Log}\left[\operatorname{Cosh}\left[\frac{x}{2}\right]\right] + \operatorname{Log}[-1+2\operatorname{Cosh}[x]] - \operatorname{Log}[1+2\operatorname{Cosh}[x]] + 2\operatorname{Log}\left[\operatorname{Sinh}\left[\frac{x}{2}\right]\right]\right)$$

Valid but unnecessarily complicated antiderivative:

Valid but unnecessarily complicated antiderivative:

$$\begin{split} &\left\{\frac{\text{Coth}[\mathbf{x}]^2}{a+b\,\text{Sinh}[\mathbf{x}]},\,\,\mathbf{x},\,\,\mathbf{5},\,\,\mathbf{0}\right\} \\ &\frac{b\,\text{ArcCoth}[\text{Cosh}[\mathbf{x}]]}{a^2} - \frac{2\,\sqrt{a^2+b^2}\,\,\text{ArcTanh}\Big[\frac{b-a\,\text{Tanh}\Big[\frac{x}{2}\Big]}{\sqrt{a^2+b^2}}\Big]}{a^2} - \frac{\text{Coth}[\mathbf{x}]}{a} \\ &2\,\left(a^2+b^2\right)\,\text{ArcTan}\Big[\frac{b-a\,\text{Tanh}\Big[\frac{x}{2}\Big]}{\sqrt{-a^2-b^2}}\Big] - a\,\sqrt{-a^2-b^2}\,\,\text{Coth}[\mathbf{x}] + b\,\sqrt{-a^2-b^2}\,\,\left(\text{Log}\big[2\,\text{Cosh}\big[\frac{x}{2}\big]\big] - \text{Log}\big[2\,\text{Sinh}\big[\frac{x}{2}\big]\big]\right)} \\ &\frac{a^2\,\sqrt{-a^2-b^2}}{a^2\,\sqrt{-a^2-b^2}} \end{split}$$

$$\left\{\frac{\text{Coth}[x]^2}{i + \text{Sinh}[x]}, x, 4, 0\right\}$$
-ArcCoth[Cosh[x]] + i Coth[x]

$$\frac{1}{2} \; \text{i} \; \left( \text{Coth} \left[ \frac{x}{2} \right] + 2 \; \text{i} \; \left( \text{Log} \left[ \text{Cosh} \left[ \frac{x}{2} \right] \right] - \text{Log} \left[ \text{Sinh} \left[ \frac{x}{2} \right] \right] \right) + \text{Tanh} \left[ \frac{x}{2} \right] \right)$$

Valid but unnecessarily complicated antiderivative:

$$\left\{\frac{\operatorname{Csch}[x]^{4}}{a+b\operatorname{Sinh}[x]}, x, 9, 0\right\}$$

$$-\frac{b\operatorname{ArcCoth}[\operatorname{Cosh}[\mathtt{x}]]}{2\operatorname{a}^2} + \frac{b^3\operatorname{ArcCoth}[\operatorname{Cosh}[\mathtt{x}]]}{\operatorname{a}^4} - \frac{2\operatorname{b}^4\operatorname{ArcTanh}\Big[\frac{\operatorname{b-aTanh}\Big[\frac{2}{a}\Big]}{\sqrt{\operatorname{a}^2+\operatorname{b}^2}}\Big]}{\operatorname{a}^4\sqrt{\operatorname{a}^2+\operatorname{b}^2}} + \frac{\operatorname{Coth}[\mathtt{x}]}{\operatorname{a}} - \frac{\operatorname{b}^2\operatorname{Coth}[\mathtt{x}]}{\operatorname{a}^3} - \frac{\operatorname{Coth}[\mathtt{x}]^3}{\operatorname{3}\operatorname{a}} + \frac{\operatorname{b}\operatorname{Coth}[\mathtt{x}]\operatorname{Csch}[\mathtt{x}]}{2\operatorname{a}^2}$$

$$\frac{1}{24\,a^4}\left(\frac{48\,b^4\,\text{ArcTan}\!\left[\frac{b-a\,\text{Tanh}\!\left[\frac{x}{2}\right]}{\sqrt{-a^2-b^2}}\right]}{\sqrt{-a^2-b^2}} + 4\,a\,\left(2\,a^2-3\,b^2\right)\,\text{Coth}\!\left[\frac{x}{2}\right] + 3\,a^2\,b\,\text{Csch}\!\left[\frac{x}{2}\right]^2 - \frac{a^2-b^2}{a^2-b^2}\right) + \frac{a^2-b^2}{a^2-b^2} + \frac{a^2$$

$$12\,\mathsf{a}^2\,\mathsf{b}\,\mathsf{Log}\big[\mathsf{Cosh}\big[\frac{\mathsf{x}}{2}\big]\big] + 24\,\mathsf{b}^3\,\mathsf{Log}\big[\mathsf{Cosh}\big[\frac{\mathsf{x}}{2}\big]\big] + 12\,\mathsf{a}^2\,\mathsf{b}\,\mathsf{Log}\big[\mathsf{Sinh}\big[\frac{\mathsf{x}}{2}\big]\big] - 24\,\mathsf{b}^3\,\mathsf{Log}\big[\mathsf{Sinh}\big[\frac{\mathsf{x}}{2}\big]\big] + 12\,\mathsf{a}^2\,\mathsf{b}\,\mathsf{Log}\big[\mathsf{Sinh}\big[\frac{\mathsf{x}}{2}\big]\big] + 12\,\mathsf{a}^2\,\mathsf{b}\,\mathsf{Log}\big[\mathsf{Sinh}\big[\frac{\mathsf{x}}{2}\big]\big] + 12\,\mathsf{b}^3\,\mathsf{Log}\big[\mathsf{Sinh}\big[\frac{\mathsf{x}}{2}\big]\big] + 12\,\mathsf{Log}\big[\mathsf{Sinh}\big[\frac{\mathsf{x}}{2}\big]\big] + 12\,\mathsf{Log}\big[\mathsf{Log}\big[\mathsf{x}\big]\big] + 12\,\mathsf{Log}\big[\mathsf{x}\big[\mathsf{x}\big]\big] + 12\,\mathsf{Log}\big[\mathsf{x}\big[\mathsf{x$$

$$3 a^2 b \operatorname{Sech}\left[\frac{x}{2}\right]^2 + 8 a^3 \operatorname{Csch}[x]^3 \operatorname{Sinh}\left[\frac{x}{2}\right]^4 - \frac{1}{2} a^3 \operatorname{Csch}\left[\frac{x}{2}\right]^4 \operatorname{Sinh}[x] + 8 a^3 \operatorname{Tanh}\left[\frac{x}{2}\right] - 12 a b^2 \operatorname{Tanh}\left[\frac{x}{2}\right]$$

Valid but unnecessarily complicated antiderivative:

$$\left\{\frac{\texttt{Csch}[\mathtt{x}]}{\mathtt{i}+\texttt{Sinh}[\mathtt{x}]},\,\mathtt{x},\,\mathtt{4,}\,\mathtt{0}\right\}$$

$$i \; \texttt{ArcCoth[Cosh[x]]} \; - \; \frac{i \; \texttt{Cosh[x]}}{1 \; \text{-} \; i \; \texttt{Sinh[x]}}$$

$$i \left( \text{Log} \left[ \text{Cosh} \left[ \frac{x}{2} \right] \right] - \text{Log} \left[ \text{Sinh} \left[ \frac{x}{2} \right] \right] \right) + \frac{2 \left[ \text{Sinh} \left[ \frac{x}{2} \right] \right]}{\text{Cosh} \left[ \frac{x}{2} \right] - i \left[ \text{Sinh} \left[ \frac{x}{2} \right] \right]}$$

Valid but unnecessarily complicated antiderivative:

$$\left\{\frac{\operatorname{Csch}[x]^{2}}{i + \operatorname{Sinh}[x]}, x, 5, 0\right\}$$

$$- \texttt{ArcCoth}[\texttt{Cosh}[\texttt{x}]\,] \, + \, i \, \, \texttt{Coth}[\texttt{x}] \, + \, \frac{\texttt{Cosh}[\texttt{x}]}{1 \, - \, i \, \, \texttt{Sinh}[\texttt{x}]}$$

$$\left\{\frac{\operatorname{Csch}[x]^{3}}{i+\operatorname{Sinh}[x]}, x, 7, 0\right\}$$

$$-\frac{3}{2} \text{ i ArcCoth[Cosh[x]] - Coth[x] + } \frac{1}{2} \text{ i Coth[x] Csch[x] + } \frac{\text{i Cosh[x]}}{1 - \text{i Sinh[x]}}$$

$$\frac{1}{8} \left( -4 \, \text{Coth} \left[ \frac{x}{2} \right] + i \, \text{Csch} \left[ \frac{x}{2} \right]^2 - 12 \, i \, \text{Log} \left[ \text{Cosh} \left[ \frac{x}{2} \right] \right] + 12 \, i \, \text{Log} \left[ \text{Sinh} \left[ \frac{x}{2} \right] \right] + i \, \text{Sech} \left[ \frac{x}{2} \right]^2 - \frac{16 \, \text{Sinh} \left[ \frac{x}{2} \right]}{\text{Cosh} \left[ \frac{x}{2} \right] - i \, \text{Sinh} \left[ \frac{x}{2} \right]} - 4 \, \text{Tanh} \left[ \frac{x}{2} \right] \right) + 12 \, i \, \text{Cosh} \left[ \frac{x}{2} \right] + i \, \text{Cosh} \left[ \frac{x}{2} \right] - i \, \text{Cosh} \left[ \frac{x}{2} \right]$$

$$\begin{split} &\left\{\frac{\operatorname{Csch}[\mathbf{x}]^4}{\mathtt{i} + \operatorname{Sinh}[\mathbf{x}]}, \, \mathbf{x}, \, 9, \, 0\right\} \\ &\frac{3}{2} \operatorname{ArcCoth}[\operatorname{Cosh}[\mathbf{x}]] - 2 \, \mathtt{i} \, \operatorname{Coth}[\mathbf{x}] + \frac{1}{3} \, \mathtt{i} \, \operatorname{Coth}[\mathbf{x}]^3 - \frac{1}{2} \, \operatorname{Coth}[\mathbf{x}] \, \operatorname{Csch}[\mathbf{x}] - \frac{\operatorname{Cosh}[\mathbf{x}]}{1 - \mathtt{i} \, \operatorname{Sinh}[\mathbf{x}]} \\ &\frac{1}{24} \left( -20 \, \mathtt{i} \, \operatorname{Coth}\left[\frac{\mathbf{x}}{2}\right] - 3 \, \operatorname{Csch}\left[\frac{\mathbf{x}}{2}\right]^2 + 36 \, \operatorname{Log}\left[\operatorname{Cosh}\left[\frac{\mathbf{x}}{2}\right]\right] - 36 \, \operatorname{Log}\left[\operatorname{Sinh}\left[\frac{\mathbf{x}}{2}\right]\right] - \\ &3 \, \operatorname{Sech}\left[\frac{\mathbf{x}}{2}\right]^2 - \frac{48 \, \mathtt{i} \, \operatorname{Sinh}\left[\frac{\mathbf{x}}{2}\right]}{\operatorname{Cosh}\left[\frac{\mathbf{x}}{2}\right] - \mathtt{i} \, \operatorname{Sinh}\left[\frac{\mathbf{x}}{2}\right]} - 8 \, \mathtt{i} \, \operatorname{Csch}[\mathbf{x}]^3 \, \operatorname{Sinh}\left[\frac{\mathbf{x}}{2}\right]^4 + \frac{1}{2} \, \mathtt{i} \, \operatorname{Csch}\left[\frac{\mathbf{x}}{2}\right]^4 \, \operatorname{Sinh}[\mathbf{x}] - 20 \, \mathtt{i} \, \operatorname{Tanh}\left[\frac{\mathbf{x}}{2}\right] - \frac{1}{2} \, \operatorname{Csch}\left[\frac{\mathbf{x}}{2}\right] - \frac{1}{2} \, \operatorname{Sinh}\left[\frac{\mathbf{x}}{2}\right] - \frac{1}{2} \, \operatorname{Csch}\left[\frac{\mathbf{x}}{2}\right] - \frac{1}{2} \, \operatorname{Sinh}\left[\frac{\mathbf{x}}{2}\right] - \frac{1}{2} \, \operatorname{Csch}\left[\frac{\mathbf{x}}{2}\right] - \frac{1}{2} \, \operatorname{Csch}\left[\frac{\mathbf{x}}{2}\right$$

Valid but unnecessarily complicated antiderivative:

$$\left\{ \frac{\cosh \left[x\right]^{3}}{a + b \, Tanh \left[x\right]}, \, x, \, 10, \, 0 \right\}$$

$$2 \, b^{4} \, Arc Tan \left[ \frac{b + a \, Tanh \left[\frac{x}{2}\right]}{\sqrt{a^{2} - b^{2}}} \right] + \frac{b^{3} \, Cosh \left[x\right]}{\left(a^{2} - b^{2}\right)^{2}} - \frac{b \, Cosh \left[x\right]}{3} \, \left(a^{2} - b^{2}\right) - \frac{a \, b^{2} \, Sinh \left[x\right]}{\left(a^{2} - b^{2}\right)^{2}} + \frac{a \, Sinh \left[x\right]}{a^{2} - b^{2}} + \frac{a \, Sinh \left[x\right]^{3}}{3 \, \left(a^{2} - b^{2}\right)}$$

$$\frac{1}{12 \, (a - b)^{5/2} \, (a + b)^{3} \, (a + b \, Tanh \left[x\right])}$$

$$Sech \left[x\right] \, \left(a \, Cosh \left[x\right] + b \, Sinh \left[x\right]\right) \left(24 \, b^{4} \, \sqrt{a + b} \, Arc Tan \left[\frac{b + a \, Tanh \left[\frac{x}{2}\right]}{\sqrt{a - b} \, \sqrt{a + b}}\right] - 3 \, \sqrt{a - b} \, b \, \left(a^{3} + a^{2} \, b - 5 \, a \, b^{2} - 5 \, b^{3}\right) \, Cosh \left[x\right] - \left(a - b\right)^{3/2} \, b \, (a + b)^{2} \, Cosh \left[3 \, x\right] + 9 \, a^{4} \, \sqrt{a - b} \, Sinh \left[x\right] + 9 \, a^{3} \, \sqrt{a - b} \, b \, Sinh \left[x\right] - 21 \, a^{2} \, \sqrt{a - b} \, b^{2} \, Sinh \left[x\right] - a \, \sqrt{a - b} \, b^{3} \, Sinh \left[x\right] - a \, \sqrt{a - b} \, b^{3} \, Sinh \left[3 \, x\right]$$

Valid but unnecessarily complicated antiderivative:

$$\begin{split} & \left\{ \frac{\text{Coth}[x]^2}{1 + \text{Tanh}[x]}, \ x, \ 5, \ 0 \right\} \\ & \frac{3 \, x}{2} - \text{Coth}[x] - \text{Log}[\text{Sinh}[x]] - \frac{1}{2 \, (1 + \text{Tanh}[x])} \\ & - \frac{1}{4 \, (1 + \text{Tanh}[x])} \left( 4 - 6 \, x + \text{Cosh}[x]^2 + 4 \, \text{Coth}[x] + 4 \, \text{Log}[\text{Sinh}[x]] - \\ & - \frac{1}{4 \, (1 + \text{Tanh}[x])} \left( 4 - 6 \, x + \text{Cosh}[x]^2 - 6 \, x \, \text{Tanh}[x] + 4 \, \text{Log}[\text{Sinh}[x]] \, \text{Tanh}[x] + \text{Sinh}[x]^2 \, \text{Tanh}[x] \right) \end{split}$$

$$\left\{ \frac{ \text{Coth}[x]^3}{1 + \text{Tanh}[x]}, \ x, \ 7, \ 0 \right\}$$

$$-\frac{3 \, x}{2} + \text{Coth}[x] - \frac{ \text{Coth}[x]^2}{2} + 2 \, \text{Log}[\text{Sinh}[x]] + \frac{1}{2 \, (1 + \text{Tanh}[x])}$$

$$-\frac{1}{4 \, (1 + \text{Tanh}[x])}$$

$$\left( \text{Cosh}[2 \, x] \, (1 + \text{Tanh}[x]) - 2 \, \left( -2 + 3 \, x - 2 \, \text{Coth}[x] + \text{Csch}[x]^2 - 4 \, \text{Log}[\text{Sinh}[x]] + \text{Csch}[x] \, \text{Sech}[x] + \text{Cosh}[x] \, \text{Sinh}[x] + \text{Sinh}[x]^2 + 3 \, x \, \text{Tanh}[x] - 4 \, \text{Log}[\text{Sinh}[x]] \, \text{Tanh}[x] \right) \right)$$

$$\left\{ \frac{\text{Sech}[x]^2}{a + b \, \text{Tanh}[x]}, \, x, \, 2, \, 0 \right\}$$

$$\frac{\text{Log}[a + b \, \text{Tanh}[x]]}{b}$$

$$-\text{Log}[\text{Cosh}[x]] + \text{Log}[-a \, \text{Cosh}[x] - b \, \text{Sinh}[x]]$$

Valid but unnecessarily complicated antiderivative:

$$\left\{\frac{\operatorname{Sech}[x]^{3}}{1+\operatorname{Tanh}[x]}, x, 4, 0\right\}$$

ArcTan[Sinh[x]] + Sech[x]

$$2 \operatorname{ArcTan} \left[ \operatorname{Tanh} \left[ \frac{x}{2} \right] \right] + \operatorname{Sech} [x]$$

Valid but unnecessarily complicated antiderivative:

$$\left\{ \frac{ \operatorname{Csch}[x]^4}{a + b \operatorname{Tanh}[x]}, \ x, \ 5, \ 0 \right\}$$
 
$$\frac{ \left( a^2 - b^2 \right) \operatorname{Coth}[x]}{a^3} + \frac{b \operatorname{Coth}[x]^2}{2 \, a^2} - \frac{ \operatorname{Coth}[x]^3}{3 \, a} - \frac{b \left( a^2 - b^2 \right) \operatorname{Log}[b + a \operatorname{Coth}[x]]}{a^4}$$
 
$$\frac{1}{6 \, a^4 \, (a + b \operatorname{Tanh}[x])} \left( -2 \operatorname{Coth}[x] \, \left( -2 \, a^4 + 3 \, a^2 \, b^2 + a^4 \operatorname{Csch}[x]^2 \right) + \\ b \left( a^3 \operatorname{Csch}[x]^2 + 2 \, a \left( 2 \, a^2 - 3 \, b^2 + 3 \, \left( a^2 - b^2 \right) \operatorname{Log}[\operatorname{Sinh}[x]] - 3 \, \left( a^2 - b^2 \right) \operatorname{Log}[a \operatorname{Cosh}[x] + b \operatorname{Sinh}[x]] \right) + \\ 3 \, a^2 \, b \operatorname{Csch}[x] \operatorname{Sech}[x] + 6 \, b \left( a^2 - b^2 \right) \left( \operatorname{Log}[\operatorname{Sinh}[x]] - \operatorname{Log}[a \operatorname{Cosh}[x] + b \operatorname{Sinh}[x]] \right) \operatorname{Tanh}[x] \right) \right)$$

Valid but unnecessarily complicated antiderivative:

$$\begin{split} &\left\{\frac{\text{Csch}[x]}{1+\text{Tanh}[x]},\ x,\ 4,\ 0\right\} \\ &-\text{ArcCoth}[\text{Cosh}[x]] + \text{Cosh}[x] - \text{Sinh}[x] \\ &\frac{\text{Cosh}[x] - \text{Log}\left[2\,\text{Cosh}\left[\frac{x}{2}\right]\right] + \text{Log}\left[2\,\text{Sinh}\left[\frac{x}{2}\right]\right] - \left(\text{Log}\left[\text{Cosh}\left[\frac{x}{2}\right]\right] - \text{Log}\left[\text{Sinh}\left[\frac{x}{2}\right]\right] + \text{Sinh}[x]\right) \, \text{Tanh}[x]}{1+\text{Tanh}[x]} \end{split}$$

Valid but unnecessarily complicated antiderivative:

$$\begin{split} &\left\{\frac{\operatorname{Csch}[\mathtt{x}]^3}{1+\operatorname{Tanh}[\mathtt{x}]},\,\mathtt{x},\,\mathtt{5},\,\mathtt{0}\right\} \\ &-\frac{1}{2}\operatorname{ArcCoth}[\operatorname{Cosh}[\mathtt{x}]]+\operatorname{Csch}[\mathtt{x}]-\frac{1}{2}\operatorname{Coth}[\mathtt{x}]\operatorname{Csch}[\mathtt{x}] \\ &\frac{1}{8}\left(4\operatorname{Coth}\left[\frac{\mathtt{x}}{2}\right]-\operatorname{Csch}\left[\frac{\mathtt{x}}{2}\right]^2-4\operatorname{Log}\left[\operatorname{Cosh}\left[\frac{\mathtt{x}}{2}\right]\right]+4\operatorname{Log}\left[\operatorname{Sinh}\left[\frac{\mathtt{x}}{2}\right]\right]-\operatorname{Sech}\left[\frac{\mathtt{x}}{2}\right]^2-4\operatorname{Tanh}\left[\frac{\mathtt{x}}{2}\right]\right) \end{split}$$

## PossibleZeroQ::ztest1:

Unable to decide whether numeric quantity 
$$-\sqrt{1-i} + \sqrt{1+i} - \sqrt{-1+i} \sqrt{1+i} \sqrt{1+i} \sqrt{1+i}$$
 is equal to zero. Assuming it is.  $\gg$ 

PossibleZeroQ::ztest1: Unable to decide whether numeric quantity

$$-1 + \text{Abs} \left[ \sqrt{1 - i} + \sqrt{1 + i} \right] / \left( (2 \text{ Im}[\ll 1 \gg] + 2 \text{ Im}[\ll 1 \gg] \text{ Re}[\ll 1 \gg] - 2 \text{ Im}[\ll 1 \gg] \text{ Re}[\ll 1 \gg]^2 + \left( -\text{Power}[\ll 2 \gg] + \text{Im} \right) \right)^2 + \left( -\text{Power}[\ll 2 \gg] + \text{Re}[\ll 1 \gg]^2 - \text{Power}[\ll 2 \gg] \right)^2$$

is equal to zero. Assuming it is. >>

Valid but unnecessarily complicated antiderivative:

$$\left\{\frac{\mathrm{Tanh}[\mathbf{x}]^2}{1+\mathrm{Coth}[\mathbf{x}]}, \, \mathbf{x}, \, \mathbf{5}, \, \mathbf{0}\right\}$$

$$\frac{3\,\mathbf{x}}{2} - \mathrm{Log}[\mathrm{Cosh}[\mathbf{x}]] - \mathrm{Tanh}[\mathbf{x}] + \frac{1}{2\,(1+\mathrm{Tanh}[\mathbf{x}])}$$

$$-\frac{4-6\,\mathbf{x}+2\,\mathrm{Cosh}[\mathbf{x}]^2-6\,\mathbf{x}\,\mathrm{Coth}[\mathbf{x}]-\mathrm{Cosh}[2\,\mathbf{x}]\,(1+\mathrm{Coth}[\mathbf{x}])+4\,\mathrm{Log}[\mathrm{Cosh}[\mathbf{x}]]+4\,\mathrm{Coth}[\mathbf{x}]\,\mathrm{Log}[\mathrm{Cosh}[\mathbf{x}]]+\mathrm{Sinh}[2\,\mathbf{x}]+4\,\mathrm{Tanh}[\mathbf{x}]}{4\,(1+\mathrm{Coth}[\mathbf{x}])}$$

Valid but unnecessarily complicated antiderivative:

$$\left\{ \frac{\text{Tanh}[x]^3}{1 + \text{Coth}[x]}, x, 7, 0 \right\}$$

$$-\frac{3x}{2} + 2 \log[\text{Cosh}[x]] + \text{Tanh}[x] - \frac{\text{Tanh}[x]^2}{2} - \frac{1}{2 (1 + \text{Tanh}[x])}$$

$$-\frac{1}{4 (1 + \text{Coth}[x])} \left( 4 - 6x - \text{Cosh}[x]^2 (-1 + \text{Coth}[x]) + 8 \log[\text{Cosh}[x]] + \frac{1}{2 (1 + \text{Tanh}[x])} \right)$$

$$-\frac{1}{4 (1 + \text{Coth}[x])} \left( -6x + 8 \log[\text{Cosh}[x]] + 2 \text{Csch}[x] \text{Sech}[x] + 2 \text{Sech}[x]^2 + \text{Cosh}[x] \text{Sinh}[x] - \text{Sinh}[x]^2 + 4 \text{Tanh}[x] \right)$$

Valid but unnecessarily complicated antiderivative:

$$\left\{ \frac{\text{Sech}[x]^4}{a + b \, \text{Coth}[x]}, \, x, \, 5, \, 0 \right\}$$

$$-\frac{b \left(a^2 - b^2\right) \, \text{Log}[b + a \, \text{Tanh}[x]]}{a^4} + \frac{\left(a^2 - b^2\right) \, \text{Tanh}[x]}{a^3} + \frac{b \, \text{Tanh}[x]^2}{2 \, a^2} - \frac{\text{Tanh}[x]^3}{3 \, a}$$

$$-\frac{1}{6 \, a^4 \, (a + b \, \text{Coth}[x])} \left(6 \, b^2 \, \left(a^2 - b^2\right) \, \text{Coth}[x] \, \left(\text{Log}[\text{Cosh}[x]] - \text{Log}[b \, \text{Cosh}[x]] + a \, \text{Sinh}[x]]\right) + \\ a \, \left(4 \, a^2 \, b - 6 \, b^3 + 6 \, a^2 \, b \, \text{Log}[\text{Cosh}[x]] - 6 \, b^3 \, \text{Log}[\text{Cosh}[x]] - 6 \, a^2 \, b \, \text{Log}[b \, \text{Cosh}[x]] + a \, \text{Sinh}[x]] + 6 \, b^3 \, \text{Log}[b \, \text{Cosh}[x]] + a \, \text{Sinh}[x]] - \\ 3 \, a \, b^2 \, \text{Csch}[x] \, \text{Sech}[x] + a^2 \, \text{Sech}[x]^3 \, \left(-b \, \text{Cosh}[x] + 2 \, a \, \text{Sinh}[x]\right) + 4 \, a^3 \, \text{Tanh}[x] - 6 \, a \, b^2 \, \text{Tanh}[x]\right) \right)$$

Valid but unnecessarily complicated antiderivative:

$$\begin{split} &\left\{\frac{\text{Sech}[x]}{1+\text{Coth}[x]}, \text{ x, 4, 0}\right\} \\ &\text{ArcTan}[\text{Sinh}[x]] + \text{Cosh}[x] - \text{Sinh}[x] \\ &\frac{2 \, \text{ArcTan}\!\left[\text{Tanh}\!\left[\frac{x}{2}\right]\right] + \left(2 \, \text{ArcTan}\!\left[\text{Tanh}\!\left[\frac{x}{2}\right]\right] + \text{Cosh}[x]\right) \, \text{Coth}[x] - \text{Sinh}[x]}{1+\text{Coth}[x]} \end{split}$$

Incorrect antiderivative:

$$\left\{\frac{\operatorname{Sech}[x]}{\frac{1}{1} + 2 \operatorname{Coth}[x]}, x, 4, 0\right\}$$

$$-i \operatorname{ArcTan}[\operatorname{Sinh}[x]] + \frac{4 \operatorname{i} \operatorname{ArcTan}\left[\frac{i+2\operatorname{Tanh}\left[\frac{x}{3}\right]}{\sqrt{5}}\right]}{\sqrt{5}}$$

$$-\frac{1}{\left(\sqrt{2-i} - \sqrt{2+i}\right)\sqrt{10\left(2+\sqrt{5}\right)}}$$

$$i \left[-2 \operatorname{i}\sqrt{9+4\sqrt{5}} \operatorname{ArcTan}\left[\frac{-5 - (2+i)\sqrt{5} - (2+i)\left(2+\sqrt{5}\right)\left(9-2 \operatorname{i}\right) - (4-i)\sqrt{5} + \sqrt{(-4+2 \operatorname{i})\left(-2+\sqrt{5}\right)}\right) \operatorname{Tanh}\left[\frac{x}{2}\right]}{\sqrt{(-20-10 \operatorname{i})\left(-2+\sqrt{5}\right)}}\right] + \frac{-\sqrt{2-i} - \sqrt{2+i} + \left(\sqrt{2-i} - \sqrt{2+i} + i\sqrt{2\left(2+\sqrt{5}\right)}\right) \operatorname{Tanh}\left[\frac{x}{2}\right]}{\sqrt{2\left(-2+\sqrt{5}\right)}}$$

$$\left[2-5\sqrt{9+4\sqrt{5}} + 2\sqrt{5\left(9+4\sqrt{5}\right)}\right]$$

$$\left[2-5\sqrt{9+4\sqrt{5}} + 2\sqrt{5\left(9+4\sqrt{5}\right)}\right]$$

$$\left[\operatorname{Log}\left[(2+i)\left(\sqrt{(-4+2\operatorname{i})\left(2+\sqrt{5}\right)} - \left((-2+i)+\sqrt{5}\right)\operatorname{Cosh}[x] - \left((2-i)+\sqrt{5}\right)\operatorname{Sinh}[x]\right)\right] - \operatorname{Log}\left[i\sqrt{10\left(2+\sqrt{5}\right)} + \left(-\sqrt{10-5\operatorname{i}} + \sqrt{10+5\operatorname{i}}\right)\operatorname{Cosh}[x] + \left(\sqrt{10-5\operatorname{i}} + \sqrt{10+5\operatorname{i}}\right)\operatorname{Sinh}[x]\right]\right]$$

Valid but unnecessarily complicated antiderivative:

$$\left\{\frac{\operatorname{Csch}[x]^{3}}{1+\operatorname{Coth}[x]}, x, 4, 0\right\}$$

ArcCoth[Cosh[x]] - Csch[x]

$$-\mathtt{Csch}[\mathtt{x}] + \mathtt{Log}\big[\mathtt{Cosh}\big[\frac{\mathtt{x}}{2}\big]\big] - \mathtt{Log}\big[\mathtt{Sinh}\big[\frac{\mathtt{x}}{2}\big]\big]$$

Valid but unnecessarily complicated antiderivative:

$$\begin{split} &\left\{\frac{\text{Coth}[\mathbf{x}]^2}{i + \text{Csch}[\mathbf{x}]}, \; \mathbf{x}, \; \mathbf{3}, \; \mathbf{0}\right\} \\ &-i \; \mathbf{x} - \text{ArcCoth}[\text{Cosh}[\mathbf{x}]] \\ &-i \; \mathbf{x} - \text{Log}\big[2 \; \text{Cosh}\big[\frac{\mathbf{x}}{2}\big]\big] + \text{Log}\big[2 \; \text{Sinh}\big[\frac{\mathbf{x}}{2}\big]\big] \end{split}$$

$$\begin{split} & \Big\{ \frac{\text{Coth}[\mathbf{x}]^4}{i + \text{Csch}[\mathbf{x}]}, \, \mathbf{x}, \, \mathbf{6}, \, \mathbf{0} \Big\} \\ & -i \, \mathbf{x} - \frac{1}{2} \, \text{ArcCoth}[\text{Cosh}[\mathbf{x}]] + i \, \text{Coth}[\mathbf{x}] - \frac{1}{2} \, \text{Coth}[\mathbf{x}] \, \text{Csch}[\mathbf{x}] \end{split}$$

$$-\frac{1}{8} \, \, \mathrm{i} \, \left( 8 \, \, \mathrm{x} - 4 \, \, \mathrm{Coth} \left[ \frac{\mathrm{x}}{2} \right] - \mathrm{i} \, \, \mathrm{Csch} \left[ \frac{\mathrm{x}}{2} \right]^2 - 4 \, \, \mathrm{i} \, \, \mathrm{Log} \left[ \, \mathrm{Cosh} \left[ \frac{\mathrm{x}}{2} \right] \right] + 4 \, \, \mathrm{i} \, \, \mathrm{Log} \left[ \, \mathrm{Sinh} \left[ \frac{\mathrm{x}}{2} \right] \right] - \mathrm{i} \, \, \mathrm{Sech} \left[ \frac{\mathrm{x}}{2} \right]^2 - 4 \, \, \mathrm{Tanh} \left[ \frac{\mathrm{x}}{2} \right] \right) + 2 \, \, \mathrm{i} \, \, \mathrm{Log} \left[ \, \mathrm{Sinh} \left[ \frac{\mathrm{x}}{2} \right] \right] - 2 \, \, \mathrm{i} \, \, \mathrm{Sech} \left[ \frac{\mathrm{x}}{2} \right] + 2 \, \, \mathrm{i} \, \, \mathrm{Inh} \left[ \frac{\mathrm{x}}{2} \right] + 2 \, \, \mathrm{i} \, \, \mathrm{Inh} \left[ \frac{\mathrm{x}}{2} \right] + 2 \, \, \mathrm{i} \, \, \mathrm{Inh} \left[ \frac{\mathrm{x}}{2} \right] + 2 \, \, \mathrm{i} \, \, \mathrm{Inh} \left[ \frac{\mathrm{x}}{2} \right] + 2 \, \, \mathrm{i} \, \, \mathrm{Inh} \left[ \frac{\mathrm{x}}{2} \right] + 2 \, \, \mathrm{i} \, \, \mathrm{Inh} \left[ \frac{\mathrm{x}}{2} \right] + 2 \, \, \mathrm{i} \, \, \mathrm{Inh} \left[ \frac{\mathrm{x}}{2} \right] + 2 \, \, \mathrm{Inh} \left[ \frac{\mathrm$$

Valid but unnecessarily complicated antiderivative:

$$\left\{\frac{\operatorname{Csch}[x]^{2}}{i + \operatorname{Csch}[x]}, x, 6, 0\right\}$$

$$- \texttt{ArcCoth}[\texttt{Cosh}[\texttt{x}]\,] \, + \, \frac{\texttt{i} \, \texttt{Cosh}[\texttt{x}]}{\texttt{i} \, - \, \texttt{Sinh}[\texttt{x}]}$$

$$-\text{Log}\big[\,2\,\text{Cosh}\big[\,\frac{x}{2}\,\big]\,\big]\,+\,\text{Log}\big[\,2\,\text{Sinh}\big[\,\frac{x}{2}\,\big]\,\big]\,-\,\frac{2\,\,\text{i}\,\,\text{Sinh}\big[\,\frac{x}{2}\,\big]}{\text{Cosh}\big[\,\frac{x}{2}\,\big]\,+\,\text{i}\,\,\text{Sinh}\big[\,\frac{x}{2}\,\big]}$$

Valid but unnecessarily complicated antiderivative:

$$\left\{\frac{\operatorname{Csch}[x]^{3}}{\underline{i} + \operatorname{Csch}[x]}, x, 7, 0\right\}$$

$$i \operatorname{ArcCoth}[\operatorname{Cosh}[\mathtt{x}]] - \operatorname{Coth}[\mathtt{x}] + \frac{\operatorname{Cosh}[\mathtt{x}]}{i - \operatorname{Sinh}[\mathtt{x}]}$$

$$-\frac{1}{2} \operatorname{Coth}\left[\frac{x}{2}\right] + i \operatorname{Log}\left[\operatorname{Cosh}\left[\frac{x}{2}\right]\right] - i \operatorname{Log}\left[\operatorname{Sinh}\left[\frac{x}{2}\right]\right] - \frac{2 \operatorname{Sinh}\left[\frac{x}{2}\right]}{\operatorname{Cosh}\left[\frac{x}{2}\right] + i \operatorname{Sinh}\left[\frac{x}{2}\right]} - \frac{1}{2} \operatorname{Tanh}\left[\frac{x}{2}\right]$$

Valid but unnecessarily complicated antiderivative:

$$\left\{\frac{\operatorname{Csch}[x]^{4}}{\operatorname{i} + \operatorname{Csch}[x]}, x, 9, 0\right\}$$

$$\frac{3}{-\operatorname{ArcCoth}[\operatorname{Cosh}[\mathtt{x}]] + i\operatorname{Coth}[\mathtt{x}] - \frac{1}{-\operatorname{Coth}[\mathtt{x}]\operatorname{Csch}[\mathtt{x}]} - \frac{i\operatorname{Cosh}[\mathtt{x}]}{i-\operatorname{Sinh}[\mathtt{x}]}$$

$$\frac{1}{8}\left(4 \text{ i} \text{ } \text{Coth}\begin{bmatrix} x \\ - \end{bmatrix} - \text{Csch}\begin{bmatrix} x \\ - \end{bmatrix}^2 + 12 \text{ } \text{Log}\begin{bmatrix} \text{Cosh}\begin{bmatrix} x \\ - \end{bmatrix}\end{bmatrix} - 12 \text{ } \text{Log}\begin{bmatrix} \text{Sinh}\begin{bmatrix} x \\ - \end{bmatrix}\end{bmatrix} - \text{Sech}\begin{bmatrix} x \\ - \end{bmatrix}^2 + \frac{16 \text{ } \text{Sinh}\begin{bmatrix} \frac{x}{2} \end{bmatrix}}{-\text{i} \text{ } \text{Cosh}\begin{bmatrix} \frac{x}{2} \end{bmatrix} + \text{Sinh}\begin{bmatrix} \frac{x}{2} \end{bmatrix}} + 4 \text{ i} \text{ } \text{Tanh}\begin{bmatrix} \frac{x}{2} \end{bmatrix} \right)$$

$$\left\{ \frac{\left. Sinh[x]^{2}}{\left(i + Sinh[x]\right)^{2}}, x, 5, 0 \right\}$$

$$x + \frac{5 i Cosh[x]}{3 \left(1 - i Sinh[x]\right)} + \frac{i Cosh[x]}{3 \left(i + Sinh[x]\right)^{2}}$$

$$\frac{3 \left(-4 i + 3 x\right) Cosh\left[\frac{x}{2}\right] + \left(10 i - 3 x\right) Cosh\left[\frac{3 x}{2}\right] - 6 i \left(-3 i + 2 x + x Cosh[x]\right) Sinh\left[\frac{x}{2}\right] }{6 \left(Cosh\left[\frac{x}{2}\right] - i Sinh\left[\frac{x}{2}\right]\right)^{3}}$$

$$\left\{\frac{\operatorname{Coth}[x]^{2}}{\left(i + \operatorname{Sinh}[x]\right)^{2}}, x, 5, 0\right\}$$

$$2 \text{ i ArcCoth[Cosh[x]]} + \text{Coth[x]} - \frac{2 \text{ i Cosh[x]}}{1 - \text{ i Sinh[x]}}$$

$$\frac{1}{2} \left( \text{Coth} \left[ \frac{x}{2} \right] + 4 \text{ i} \text{ Log} \left[ \text{Cosh} \left[ \frac{x}{2} \right] \right] - 4 \text{ i} \text{ Log} \left[ \text{Sinh} \left[ \frac{x}{2} \right] \right] + \frac{8 \text{ Sinh} \left[ \frac{x}{2} \right]}{\text{Cosh} \left[ \frac{x}{2} \right] - \text{ i} \text{ Sinh} \left[ \frac{x}{2} \right]} + \text{Tanh} \left[ \frac{x}{2} \right] \right) \right)$$

Valid but unnecessarily complicated antiderivative:

$$\left\{\frac{\text{Coth}[x]^3}{\left(i + \text{Sinh}[x]\right)^2}, x, 5, 0\right\}$$

$$2 i \operatorname{Csch}[x] + \frac{\operatorname{Csch}[x]^{2}}{2} + 2 \operatorname{Log}[\operatorname{Sinh}[x]] - 2 \operatorname{Log}[i + \operatorname{Sinh}[x]]$$

$$-4 \text{ i} \operatorname{ArcTan} \left[ \operatorname{Coth} \left[ \frac{x}{2} \right] \right] + \text{ i} \operatorname{Coth} \left[ \frac{x}{2} \right] + \frac{1}{8} \operatorname{Csch} \left[ \frac{x}{2} \right]^2 - 2 \operatorname{Log} \left[ 4 \operatorname{Cosh} [x] \right] + 2 \operatorname{Log} \left[ \operatorname{Sinh} [x] \right] - \frac{1}{8} \operatorname{Sech} \left[ \frac{x}{2} \right]^2 - \text{ i} \operatorname{Tanh} \left[ \frac{x}{2} \right] + \frac{1}{8} \operatorname{Csch} \left[ \frac{x}{2} \right]^2 - \operatorname{Int} \left[ \frac{x}{2} \right] + \frac{1}{8} \operatorname{Csch} \left[ \frac{x$$

Valid but unnecessarily complicated antiderivative:

$$\left\{\frac{\operatorname{Csch}[x]}{\left(i + \operatorname{Sinh}[x]\right)^{2}}, x, 6, 0\right\}$$

$$\label{eq:arcCoth} \texttt{ArcCoth[Cosh[x]]} - \frac{4\,\texttt{Cosh[x]}}{3\,\left(1-\mathrm{i}\,\texttt{Sinh[x]}\right)} + \frac{\texttt{Cosh[x]}}{3\,\left(\mathrm{i}\,+\,\texttt{Sinh[x]}\right)^2}$$

$$\text{Log}\big[2\,\text{Cosh}\big[\frac{x}{2}\big]\big] - \text{Log}\big[2\,\text{Sinh}\big[\frac{x}{2}\big]\big] - \frac{i}{3\,\,i + 3\,\text{Sinh}[x]} - \frac{2\,\text{Sinh}\big[\frac{x}{2}\big]\,\left(5\,\,i + 4\,\text{Sinh}[x]\right)}{3\,\left(\text{Cosh}\big[\frac{x}{2}\big] - i\,\text{Sinh}\big[\frac{x}{2}\big]\right)^3}$$

Valid but unnecessarily complicated antiderivative:

$$\left\{\frac{\operatorname{Csch}[x]^{2}}{\left(i + \operatorname{Sinh}[x]\right)^{2}}, x, 7, 0\right\}$$

$$2~i~ArcCoth[Cosh[x]] + Coth[x] - \frac{7~i~Cosh[x]}{3~(1-i~Sinh[x])} + \frac{i~Cosh[x]}{3~(i~+~Sinh[x])^2}$$

$$\frac{1}{6}\left(3\,\text{Coth}\left[\frac{\mathbf{x}}{2}\right] + 12\,\mathrm{i}\,\text{Log}\left[\text{Cosh}\left[\frac{\mathbf{x}}{2}\right]\right] - 12\,\mathrm{i}\,\text{Log}\left[\text{Sinh}\left[\frac{\mathbf{x}}{2}\right]\right] + \frac{2}{\mathrm{i} + \text{Sinh}[\mathbf{x}]} - \frac{4\,\text{Sinh}\left[\frac{\mathbf{x}}{2}\right]\,\left(8\,\mathrm{i} + 7\,\text{Sinh}[\mathbf{x}]\right)}{\left(\mathrm{i}\,\text{Cosh}\left[\frac{\mathbf{x}}{2}\right] + \text{Sinh}\left[\frac{\mathbf{x}}{2}\right]\right)^3} + 3\,\text{Tanh}\left[\frac{\mathbf{x}}{2}\right]\right)$$

Valid but unnecessarily complicated antiderivative:

$$\left\{\frac{\text{Csch}[x]^3}{(i+\text{Sinh}[x])^2}, x, 9, 0\right\}$$

$$-\frac{7}{2}\operatorname{ArcCoth}[\operatorname{Cosh}[\mathtt{x}]\ ] + 2 \ \operatorname{i} \ \operatorname{Coth}[\mathtt{x}] + \frac{1}{2}\operatorname{Coth}[\mathtt{x}] \ \operatorname{Csch}[\mathtt{x}] + \frac{10 \ \operatorname{Cosh}[\mathtt{x}]}{3 \ (1 - \operatorname{i} \ \operatorname{Sinh}[\mathtt{x}])} - \frac{\operatorname{Cosh}[\mathtt{x}]}{3 \ (\operatorname{i} + \operatorname{Sinh}[\mathtt{x}])^2}$$

$$\frac{1}{24} \left[ 24 \text{ i} \operatorname{Coth}\left[\frac{x}{2}\right] + 3 \operatorname{Csch}\left[\frac{x}{2}\right]^2 - 84 \operatorname{Log}\left[\operatorname{Cosh}\left[\frac{x}{2}\right]\right] + 84 \operatorname{Log}\left[\operatorname{Sinh}\left[\frac{x}{2}\right]\right] + 84 \operatorname{$$

$$3 \operatorname{Sech}\left[\frac{x}{2}\right]^{2} + \frac{8}{\left(\operatorname{Cosh}\left[\frac{x}{2}\right] - i \operatorname{Sinh}\left[\frac{x}{2}\right]\right)^{2}} + \frac{160 \operatorname{i} \operatorname{Sinh}\left[\frac{x}{2}\right]}{\operatorname{Cosh}\left[\frac{x}{2}\right] - i \operatorname{Sinh}\left[\frac{x}{2}\right]} + \frac{16 \operatorname{Sinh}\left[\frac{x}{2}\right]}{\left(i \operatorname{Cosh}\left[\frac{x}{2}\right] + \operatorname{Sinh}\left[\frac{x}{2}\right]\right)^{3}} + 24 \operatorname{i} \operatorname{Tanh}\left[\frac{x}{2}\right]$$

$$\left\{ \frac{\cosh[x]^3}{(1-i \sinh[x])^3}, x, 6, 0 \right\}$$

$$-i \, \text{Log}[\,i + \text{Sinh}\,[\,x\,]\,] + \frac{2}{i + \text{Sinh}\,[\,x\,]}$$

$$\frac{2 - 2 \, i \, \text{ArcTan}\,\left[\,\text{Tanh}\,\left[\,\frac{x}{2}\,\right]\,\right] + \text{Log}\,[\,\text{Cosh}\,[\,x\,]\,] - 2 \, \text{ArcTan}\,\left[\,\text{Tanh}\,\left[\,\frac{x}{2}\,\right]\,\right] \, \text{Sinh}\,[\,x\,] - i \, \text{Log}\,[\,\text{Cosh}\,[\,x\,]\,] \, \, \text{Sinh}\,[\,x\,]}$$

$$\frac{i + \text{Sinh}\,[\,x\,]}$$

Valid but unnecessarily complicated antiderivative:

$$\left\{\frac{\cosh[x]^3}{1-\sinh[x]^2}, x, 4, 0\right\}$$

$$2 \operatorname{ArcTanh}[\sinh[x]] - \sinh[x]$$

Valid but unnecessarily complicated antiderivative:

$$\left\{ \frac{x \operatorname{Sech}[c + d \, x]^2}{a + b \operatorname{Tanh}[c + d \, x]^2}, \, x, \, 10, \, 0 \right\}$$

$$x \operatorname{Log} \left[ 1 + \frac{(a + b) e^{2 v + 3 d x}}{a - 2 \sqrt{-a} \sqrt{b} - b} \right] - x \operatorname{Log} \left[ 1 + \frac{(a + b) e^{2 v + 2 d x}}{a - 2 \sqrt{-a} \sqrt{b} - b} \right] + PolyLog \left[ 2, \, -\frac{(a + b) e^{2 v + 3 d x}}{a - 2 \sqrt{-a} \sqrt{b} - b} \right] - PolyLog \left[ 2, \, -\frac{(a + b) e^{2 v + 3 d x}}{a - 2 \sqrt{-a} \sqrt{b} - b} \right] - PolyLog \left[ 2, \, -\frac{(a + b) e^{2 v + 3 d x}}{a - 2 \sqrt{-a} \sqrt{b} - b} \right] - PolyLog \left[ 2, \, -\frac{(a + b) e^{2 v + 3 d x}}{a - 2 \sqrt{-a} \sqrt{b} - b} \right] - PolyLog \left[ 2, \, -\frac{(a + b) e^{2 v + 3 d x}}{a - 2 \sqrt{-a} \sqrt{b} - b} \right] - PolyLog \left[ 2, \, -\frac{(a + b) e^{2 v + 3 d x}}{a - 2 \sqrt{-a} \sqrt{b} - b} \right] - PolyLog \left[ 2, \, -\frac{(a + b) e^{2 v + 3 d x}}{a - 2 \sqrt{-a} \sqrt{b} - b} \right] - PolyLog \left[ 2, \, -\frac{(a + b) e^{2 v + 3 d x}}{a - 2 \sqrt{-a} \sqrt{b} - b} \right] - PolyLog \left[ 2, \, -\frac{(a + b) e^{2 v + 3 d x}}{a - 2 \sqrt{-a} \sqrt{b} - b} \right] - PolyLog \left[ 2, \, -\frac{(a + b) e^{2 v + 3 d x}}{a - 2 \sqrt{-a} \sqrt{b} - b} \right] - PolyLog \left[ 2, \, -\frac{(a + b) e^{2 v + 3 d x}}{a - 2 \sqrt{-a} \sqrt{b} - b} \right] - PolyLog \left[ 2, \, -\frac{(a + b) e^{2 v + 3 d x}}{a - 2 \sqrt{-a} \sqrt{b} - b} \right] - PolyLog \left[ 2, \, -\frac{(a + b) e^{2 v + 3 d x}}{a - 2 \sqrt{-a} \sqrt{b} - b} \right] - PolyLog \left[ 2, \, -\frac{(a + b) e^{2 v + 3 d x}}{a - 2 \sqrt{-a} \sqrt{b} - b} \right] - PolyLog \left[ 2, \, -\frac{(a + b) e^{2 v + 3 d x}}{a - 2 \sqrt{-a} \sqrt{b} - b} \right] - PolyLog \left[ 2, \, -\frac{(a + b) e^{2 v + 3 d x}}{a - 2 \sqrt{-a} \sqrt{b} - b} \right] - PolyLog \left[ 2, \, -\frac{(a + b) e^{2 v + 3 d x}}{a - 2 \sqrt{-a} \sqrt{b} - b} \right] - PolyLog \left[ 2, \, -\frac{(a + b) e^{2 v + 3 d x}}{a - 2 \sqrt{-a} \sqrt{b} - b} \right] - PolyLog \left[ 2, \, -\frac{(a + b) e^{2 v + 3 d x}}{a - 2 \sqrt{-a} \sqrt{b} - b} \right] - PolyLog \left[ 2, \, -\frac{(a + b) e^{2 v + 3 d x}}{a - 2 \sqrt{-a} \sqrt{b} - b} \right] - PolyLog \left[ 2, \, -\frac{(a + b) e^{2 v + 3 d x}}{a - 2 \sqrt{-a} \sqrt{b} - b} \right] - PolyLog \left[ 2, \, -\frac{(a + b) e^{2 v + 3 d x}}{a - 2 \sqrt{-a} \sqrt{b} - b} \right] - PolyLog \left[ 2, \, -\frac{(a + b) e^{2 v + 3 d x}}{a - 2 \sqrt{a} \sqrt{a} - b} \right] - PolyLog \left[ 2, \, -\frac{(a + b) e^{2 v + 3 d x}}{a - 2 \sqrt{a} \sqrt{a} - b} \right] - PolyLog \left[ 2, \, -\frac{(a + b) e^{2 v + 3 d x}}{a - 2 \sqrt{a} \sqrt{a} - b} \right] - PolyLog \left[ 2, \, -\frac{(a + b) e^{2 v + 3 d x}}{a - 2 \sqrt$$

Unable to integrate:

$$\left\{ \frac{x^2 \, \text{Sech} [c + dx]^2}{a + b \, \text{Tanh} [c + dx]^2}, x, 12, 0 \right\}$$

$$\frac{x^2 \, \text{Log} \Big[ 1 + \frac{(a+b) \, e^{2 \, c + 2 \, d \, x}}{a - 2 \, \sqrt{-a} \, \sqrt{b} \, -b} \Big]}{2 \, \sqrt{-a} \, \sqrt{b} \, d} - \frac{x^2 \, \text{Log} \Big[ 1 + \frac{(a+b) \, e^{2 \, c + 2 \, d \, x}}{a + 2 \, \sqrt{-a} \, \sqrt{b} \, -b} \Big]}{2 \, \sqrt{-a} \, \sqrt{b} \, d} + \frac{x \, \text{PolyLog} \Big[ 2 \, , \, -\frac{(a+b) \, e^{2 \, c + 2 \, d \, x}}{a - 2 \, \sqrt{-a} \, \sqrt{b} \, -b} \Big]}{2 \, \sqrt{-a} \, \sqrt{b} \, d^2} - \frac{x \, \text{PolyLog} \Big[ 3 \, , \, -\frac{(a+b) \, e^{2 \, c + 2 \, d \, x}}{a - 2 \, \sqrt{-a} \, \sqrt{b} \, -b} \Big]}{2 \, \sqrt{-a} \, \sqrt{b} \, d^3} + \frac{polyLog \Big[ 3 \, , \, -\frac{(a+b) \, e^{2 \, c + 2 \, d \, x}}{a + 2 \, \sqrt{-a} \, \sqrt{b} \, -b} \Big]}{4 \, \sqrt{-a} \, \sqrt{b} \, d^3} + \frac{x^2 \, \text{Sech} \big[ c + d \, x \big]^2}{4 \, \sqrt{-a} \, \sqrt{b} \, d^3} + \frac{x^2 \, \text{Sech} \big[ c + d \, x \big]^2}{4 \, \sqrt{-a} \, \sqrt{b} \, d^3} + \frac{x^2 \, \text{Sech} \big[ c + d \, x \big]^2}{4 \, \sqrt{-a} \, \sqrt{b} \, d^3} + \frac{x^2 \, \text{Sech} \big[ c + d \, x \big]^2}{4 \, \sqrt{-a} \, \sqrt{b} \, d^3} + \frac{x^2 \, \text{Sech} \big[ c + d \, x \big]^2}{4 \, \sqrt{-a} \, \sqrt{b} \, d^3} + \frac{x^2 \, \text{Sech} \big[ c + d \, x \big]^2}{4 \, \sqrt{-a} \, \sqrt{b} \, d^3} + \frac{x^2 \, \text{Sech} \big[ c + d \, x \big]^2}{4 \, \sqrt{-a} \, \sqrt{b} \, d^3} + \frac{x^2 \, \text{Sech} \big[ c + d \, x \big]^2}{4 \, \sqrt{-a} \, \sqrt{b} \, d^3} + \frac{x^2 \, \text{Sech} \big[ c + d \, x \big]^2}{4 \, \sqrt{-a} \, \sqrt{b} \, d^3} + \frac{x^2 \, \text{Sech} \big[ c + d \, x \big]^2}{4 \, \sqrt{-a} \, \sqrt{b} \, d^3} + \frac{x^2 \, \text{Sech} \big[ c + d \, x \big]^2}{4 \, \sqrt{-a} \, \sqrt{b} \, d^3} + \frac{x^2 \, \text{Sech} \big[ c + d \, x \big]^2}{4 \, \sqrt{-a} \, \sqrt{b} \, d^3} + \frac{x^2 \, \text{Sech} \big[ c + d \, x \big]^2}{4 \, \sqrt{-a} \, \sqrt{b} \, d^3} + \frac{x^2 \, \text{Sech} \big[ c + d \, x \big]^2}{4 \, \sqrt{-a} \, \sqrt{b} \, d^3} + \frac{x^2 \, \text{Sech} \big[ c + d \, x \big]^2}{4 \, \sqrt{-a} \, \sqrt{b} \, d^3} + \frac{x^2 \, \text{Sech} \big[ c + d \, x \big]^2}{4 \, \sqrt{-a} \, \sqrt{b} \, d^3} + \frac{x^2 \, \text{Sech} \big[ c + d \, x \big]^2}{4 \, \sqrt{-a} \, \sqrt{b} \, d^3} + \frac{x^2 \, \text{Sech} \big[ c + d \, x \big]^2}{4 \, \sqrt{-a} \, \sqrt{b} \, d^3} + \frac{x^2 \, \text{Sech} \big[ c + d \, x \big]^2}{4 \, \sqrt{-a} \, \sqrt{b} \, d^3} + \frac{x^2 \, \text{Sech} \big[ c + d \, x \big]^2}{4 \, \sqrt{-a} \, \sqrt{b} \, d^3} + \frac{x^2 \, \text{Sech} \big[ c + d \, x \big]^2}{4 \, \sqrt{-a} \, \sqrt{b} \, d^3} + \frac{x^2 \, \text{Sech} \big[ c + d \, x \big]^2}{4 \, \sqrt{-a} \, \sqrt{b} \, d^3} + \frac{x^2 \, \text{Sech} \big[ c + d \, x \big]^2}{4 \, \sqrt{-a} \, \sqrt{b} \, d^3} + \frac{x^2 \, \sqrt{-a} \, \sqrt{b} \, d^3}{4 \, \sqrt{-a} \, \sqrt{b} \, d^3} + \frac{x^2 \, \sqrt{a} \, \sqrt{$$

Valid but unnecessarily complicated antiderivative:

$$\begin{split} & \left\{ \frac{ \text{Coth} \left[ \mathbf{x} \right]^3}{ a + b \, \text{Sinh} \left[ \mathbf{x} \right]^3} \,, \, \, \mathbf{x}, \, 10 \,, \, 0 \right\} \\ & \frac{ b^{2/3} \, \text{ArcTan} \left[ \frac{ a^{1/3} - 2 \, b^{1/3} \, \text{Sinh} \left[ \mathbf{x} \right]}{ \sqrt{3} \, a^{1/3}} \right] }{ \sqrt{3} \, a^{5/3}} - \frac{ \text{Csch} \left[ \mathbf{x} \right]^2}{ 2 \, a} \, + \frac{ \text{Log} \left[ \text{Sinh} \left[ \mathbf{x} \right] \right]}{ a} - \frac{ b^{2/3} \, \text{Log} \left[ a^{1/3} + b^{1/3} \, \text{Sinh} \left[ \mathbf{x} \right] \right]}{ 3 \, a^{5/3}} \, + \frac{ b^{2/3} \, \text{Log} \left[ a^{2/3} - a^{1/3} \, b^{1/3} \, \text{Sinh} \left[ \mathbf{x} \right] + b^{2/3} \, \text{Sinh} \left[ \mathbf{x} \right]^2 \right] }{ 6 \, a^{5/3}} - \frac{ \text{Log} \left[ a + b \, \text{Sinh} \left[ \mathbf{x} \right]^3 \right] }{ 3 \, a} \\ - \frac{1}{24 \, a} \left[ 8 \, \text{RootSum} \left[ -b + 3 \, b \, \text{H}^2 + 8 \, a \, \text{H}^3 - 3 \, b \, \text{H}^4 + b \, \text{H}^6 \, \alpha,} \right. \\ & \frac{ -b \, \mathbf{x} + b \, \text{Log} \left[ -e^{\mathbf{x}} + \text{H}^1 \right] + 4 \, a \, \mathbf{x} \, \text{H}^3 - 4 \, a \, \text{Log} \left[ -e^{\mathbf{x}} + \text{H}^1 \right] \, \text{H}^3 - 3 \, b \, \mathbf{x} \, \text{H}^4 + 3 \, b \, \text{Log} \left[ -e^{\mathbf{x}} + \text{H}^1 \right] \, \text{H}^4} }{ b - 2 \, b \, \text{H}^2 - 4 \, a \, \text{H}^3 + b \, \text{H}^4} \\ 3 \, \left( 8 \, \mathbf{x} + \text{Csch} \left[ \frac{\mathbf{x}}{2} \right]^2 - 8 \, \text{Log} \left[ \text{Sinh} \left[ \mathbf{x} \right] \right] - \text{Sech} \left[ \frac{\mathbf{x}}{2} \right]^2 \right) \right) \end{split}$$

Valid but unnecessarily complicated antiderivative:

$$\left\{ \frac{ \operatorname{Tanh}[x]^3}{a + b \operatorname{Cosh}[x]^3}, \, x, \, 10, \, 0 \right\}$$

$$\frac{b^{2/3} \operatorname{ArcTan}\left[\frac{a^{1/3} - 2 \, b^{1/3} \operatorname{Cosh}[x]}{\sqrt{3} \, a^{1/3}}\right]}{\sqrt{3} \, a^{5/3}} + \frac{\operatorname{Log}[\operatorname{Cosh}[x]]}{a} + \frac{b^{2/3} \operatorname{Log}\left[a^{1/3} + b^{1/3} \operatorname{Cosh}[x]\right]}{3 \, a^{5/3}} - \frac{b^{2/3} \operatorname{Log}\left[a^{2/3} - a^{1/3} \, b^{1/3} \operatorname{Cosh}[x] + b^{2/3} \operatorname{Cosh}[x]^2\right]}{6 \, a^{5/3}} - \frac{\operatorname{Log}\left[a + b \operatorname{Cosh}[x]^3\right]}{3 \, a} + \frac{\operatorname{Sech}[x]^2}{2 \, a}$$

$$\frac{1}{6 \, a} \left[ -6 \, x + 6 \operatorname{Log}[\operatorname{Cosh}[x]] - 2 \operatorname{RootSum}\left[b + 3 \, b \, \sharp 1^2 + 8 \, a \, \sharp 1^3 + 3 \, b \, \sharp 1^4 + b \, \sharp 1^6 \, \&, \right.$$

$$\frac{-b \, x + b \operatorname{Log}\left[-e^x + \sharp 1\right] - 4 \, a \, x \, \sharp 1^3 + 4 \, a \operatorname{Log}\left[-e^x + \sharp 1\right] \, \sharp 1^3 - 3 \, b \, x \, \sharp 1^4 + 3 \, b \operatorname{Log}\left[-e^x + \sharp 1\right] \, \sharp 1^4}{b + 2 \, b \, \sharp 1^2 + 4 \, a \, \sharp 1^3 + b \, \sharp 1^4} \, \& \right] + 3 \operatorname{Sech}[x]^2$$

$$\left\{\frac{\text{Coth}[x]}{\sqrt{1 + \text{Coth}[x]}}, x, 6, 0\right\}$$

$$\frac{\text{ArcTanh}\left[\frac{\sqrt{1 + \text{Coth}[x]}}{\sqrt{2}}\right]}{\sqrt{2}} + \frac{1}{\sqrt{1 + \text{Coth}[x]}}$$

$$\frac{1}{\left(\mathrm{i}\;\left(1+\mathrm{Coth}[\mathtt{x}]\right)\right)^{3/2}} \left(\frac{1}{2} + \frac{\mathrm{i}}{2}\right) \sqrt{1+\mathrm{Coth}[\mathtt{x}]} \\ \left(\mathrm{ArcTan}\left[\left(\frac{1}{2} + \frac{\mathrm{i}}{2}\right) \sqrt{\mathrm{i}\;\left(1+\mathrm{Coth}[\mathtt{x}]\right)}\;\right] + \mathrm{ArcTan}\left[\left(\frac{1}{2} + \frac{\mathrm{i}}{2}\right) \sqrt{\mathrm{i}\;\left(1+\mathrm{Coth}[\mathtt{x}]\right)}\;\right] \, \mathrm{Coth}[\mathtt{x}] + \left(1+\mathrm{i}\right) \, \sqrt{\mathrm{i}\;\left(1+\mathrm{Coth}[\mathtt{x}]\right)} \right) \right) \\ \left(\mathrm{ArcTan}\left[\left(\frac{1}{2} + \frac{\mathrm{i}}{2}\right) \sqrt{\mathrm{i}\;\left(1+\mathrm{Coth}[\mathtt{x}]\right)}\;\right] + \mathrm{ArcTan}\left[\left(\frac{1}{2} + \frac{\mathrm{i}}{2}\right) \sqrt{\mathrm{i}\;\left(1+\mathrm{Coth}[\mathtt{x}]\right)}\;\right] \, \mathrm{Coth}[\mathtt{x}] + \left(1+\mathrm{i}\right) \, \sqrt{\mathrm{i}\;\left(1+\mathrm{Coth}[\mathtt{x}]\right)} \right) \right] \\ \left(\mathrm{ArcTan}\left[\left(\frac{1}{2} + \frac{\mathrm{i}}{2}\right) \sqrt{\mathrm{i}\;\left(1+\mathrm{Coth}[\mathtt{x}]\right)}\;\right] + \mathrm{ArcTan}\left[\left(\frac{1}{2} + \frac{\mathrm{i}}{2}\right) \sqrt{\mathrm{i}\;\left(1+\mathrm{Coth}[\mathtt{x}]\right)}\;\right] + \mathrm{ArcTan}\left[\left(\frac{1}{2} + \frac{\mathrm{i}}{2}\right) \sqrt{\mathrm{i}\;\left(1+\mathrm{Coth}[\mathtt{x}]\right)}\;\right] \right] \\ \left(\mathrm{ArcTan}\left[\left(\frac{1}{2} + \frac{\mathrm{i}}{2}\right) \sqrt{\mathrm{i}\;\left(1+\mathrm{Coth}[\mathtt{x}]\right)}\;\right] + \mathrm{ArcTan}\left[\left(\frac{1}{2} + \frac{\mathrm{i}}{2}\right) \sqrt{\mathrm{i}\;\left(1+\mathrm{Coth}[\mathtt{x}]\right)}\;\right] \right] \\ \left(\mathrm{ArcTan}\left[\left(\frac{1}{2} + \frac{\mathrm{i}}{2}\right) \sqrt{\mathrm{i}\;\left(1+\mathrm{Coth}[\mathtt{x}]\right)}\;\right] + \mathrm{ArcTan}\left[\left(\frac{1}{2} + \frac{\mathrm{i}}{2}\right) \sqrt{\mathrm{i}\;\left(1+\mathrm{Coth}[\mathtt{x}]\right)}\;\right] \right) \\ \left(\mathrm{ArcTan}\left[\left(\frac{1}{2} + \frac{\mathrm{i}}{2}\right) \sqrt{\mathrm{i}\;\left(1+\mathrm{Coth}[\mathtt{x}]\right)}\;\right] + \mathrm{ArcTan}\left[\left(\frac{1}{2} + \frac{\mathrm{i}}{2}\right) \sqrt{\mathrm{i}\;\left(1+\mathrm{Coth}[\mathtt{x}]\right)}\;\right] \\ \left(\mathrm{ArcTan}\left[\left(\frac{1}{2} + \frac{\mathrm{i}}{2}\right) \sqrt{\mathrm{i}\;\left(1+\mathrm{Coth}[\mathtt{x}]\right)}\;\right] + \mathrm{ArcTan}\left[\left(\frac{1}{2} + \frac{\mathrm{i}}{2}\right) \sqrt{\mathrm{i}\;\left(1+\mathrm{Coth}[\mathtt{x}]\right)}\;\right] \\ \left(\mathrm{ArcTan}\left[\left(\frac{1}{2} + \frac{\mathrm{i}}{2}\right) \sqrt{\mathrm{i}\;\left(1+\mathrm{Coth}[\mathtt{$$

Incorrect antiderivative:

$$\left\{\sqrt{1 + \text{Coth}[\mathbf{x}]} \text{ Sech}[\mathbf{x}]^2, \mathbf{x}, 4, 0\right\}$$

$$ArcTanh\left[\sqrt{1+Coth[x]}\right] + \sqrt{1+Coth[x]}$$
  $Tanh[x]$ 

$$\frac{1}{2\sqrt{\operatorname{Csch}[x]}}\sqrt{\operatorname{Cosh}[x] + \operatorname{Sinh}[x]}$$

$$\sqrt{1 + \text{Coth[x]}} \left( \frac{\left(1 - i\right) \, \text{ArcTan}\left[\left(\frac{1}{2} + \frac{i}{2}\right) \, \sqrt{i + i \, \text{Coth[x]}} \, \right] \, \sqrt{\text{Csch[x]}} \, \sqrt{\text{Cosh[x]} + \text{Sinh[x]}}}{\sqrt{i + i \, \text{Coth[x]}}} + \left(\left(\frac{1}{2} + \frac{i}{2}\right) \right) \right) \right) + \left(\left(\frac{1}{2} + \frac{i}{2}\right) + \left(\frac{1}{2} + \frac{i$$

$$\left[ 2 \left( -1 \right)^{1/4} \operatorname{ArcTan} \left[ \frac{ \left( 2 + i \right) + 2 \sqrt{-1 - i} }{ \left( 1 + \left( -1 \right)^{1/4} \sqrt{\operatorname{Tanh} \left[ \frac{x}{2} \right]} \right) \sqrt{-1 + \operatorname{Tanh} \left[ \frac{x}{2} \right]} + 2 \left( -1 \right)^{1/4} \sqrt{\operatorname{Tanh} \left[ \frac{x}{2} \right]} - \operatorname{Tanh} \left[ \frac{x}{2} \right] } \right] + \left( -2 - i \right) - 2 \sqrt{-1 - i} \sqrt{-1 + \operatorname{Tanh} \left[ \frac{x}{2} \right]} + \left( 1 + 2 i \right) \operatorname{Tanh} \left[ \frac{x}{2} \right]$$

$$\frac{\left(2+i\right) + \left(-1-i\right)^{3/2} \left(\left(1-i\right) + \sqrt{2} \ \sqrt{ Tanh\left[\frac{x}{2}\right]} \ \right) \sqrt{-1 + Tanh\left[\frac{x}{2}\right]} \ + 2 \ \left(-1\right)^{1/4} \sqrt{ Tanh\left[\frac{x}{2}\right]} \ - Tanh\left[\frac{x}{2}\right]} }{\left(-2-i\right) + 2 \sqrt{-1-i} \ \sqrt{-1 + Tanh\left[\frac{x}{2}\right]} \ + \left(1+2 \ i\right) \ Tanh\left[\frac{x}{2}\right]} } \right] + \left(1+2 \ i\right) Tanh\left[\frac{x}{2}\right] }$$

$$(-1)^{3/4} \, \text{Log} \Big[ \left( \sqrt{-1 - i} - \sqrt{-1 + \text{Tanh} \Big[\frac{x}{2}\Big]} \right)^2 \Big] + (-1)^{3/4} \, \text{Log} \Big[ \left( \sqrt{-1 + i} - \sqrt{-1 + \text{Tanh} \Big[\frac{x}{2}\Big]} \right)^2 \Big] + (-1)^{3/4} \, \text{Log} \Big[ \left( \sqrt{-1 + i} - \sqrt{-1 + \text{Tanh} \Big[\frac{x}{2}\Big]} \right)^2 \Big] + (-1)^{3/4} \, \text{Log} \Big[ \left( \sqrt{-1 + i} - \sqrt{-1 + \text{Tanh} \Big[\frac{x}{2}\Big]} \right)^2 \Big] + (-1)^{3/4} \, \text{Log} \Big[ \left( \sqrt{-1 + i} - \sqrt{-1 + \text{Tanh} \Big[\frac{x}{2}\Big]} \right)^2 \Big] + (-1)^{3/4} \, \text{Log} \Big[ \left( \sqrt{-1 + i} - \sqrt{-1 + \text{Tanh} \Big[\frac{x}{2}\Big]} \right)^2 \Big] + (-1)^{3/4} \, \text{Log} \Big[ \left( \sqrt{-1 + i} - \sqrt{-1 + \text{Tanh} \Big[\frac{x}{2}\Big]} \right)^2 \Big] + (-1)^{3/4} \, \text{Log} \Big[ \left( \sqrt{-1 + i} - \sqrt{-1 + \text{Tanh} \Big[\frac{x}{2}\Big]} \right)^2 \Big] + (-1)^{3/4} \, \text{Log} \Big[ \left( \sqrt{-1 + i} - \sqrt{-1 + \text{Tanh} \Big[\frac{x}{2}\Big]} \right)^2 \Big] + (-1)^{3/4} \, \text{Log} \Big[ \left( \sqrt{-1 + i} - \sqrt{-1 + \text{Tanh} \Big[\frac{x}{2}\Big]} \right)^2 \Big] + (-1)^{3/4} \, \text{Log} \Big[ \left( \sqrt{-1 + i} - \sqrt{-1 + \text{Tanh} \Big[\frac{x}{2}\Big]} \right)^2 \Big] + (-1)^{3/4} \, \text{Log} \Big[ \left( \sqrt{-1 + i} - \sqrt{-1 + \text{Tanh} \Big[\frac{x}{2}\Big]} \right)^2 \Big] + (-1)^{3/4} \, \text{Log} \Big[ \left( \sqrt{-1 + i} - \sqrt{-1 + \text{Tanh} \Big[\frac{x}{2}\Big]} \right)^2 \Big] + (-1)^{3/4} \, \text{Log} \Big[ \left( \sqrt{-1 + i} - \sqrt{-1 + \text{Tanh} \Big[\frac{x}{2}\Big]} \right)^2 \Big] + (-1)^{3/4} \, \text{Log} \Big[ \left( \sqrt{-1 + i} - \sqrt{-1 + \text{Tanh} \Big[\frac{x}{2}\Big]} \right)^2 \Big] + (-1)^{3/4} \, \text{Log} \Big[ \left( \sqrt{-1 + i} - \sqrt{-1 + \text{Tanh} \Big[\frac{x}{2}\Big]} \right)^2 \Big] + (-1)^{3/4} \, \text{Log} \Big[ \left( \sqrt{-1 + i} - \sqrt{-1 + \text{Tanh} \Big[\frac{x}{2}\Big]} \right)^2 \Big] + (-1)^{3/4} \, \text{Log} \Big[ \left( \sqrt{-1 + i} - \sqrt{-1 + \text{Tanh} \Big[\frac{x}{2}\Big]} \right)^2 \Big] + (-1)^{3/4} \, \text{Log} \Big[ \left( \sqrt{-1 + i} - \sqrt{-1 + \text{Tanh} \Big[\frac{x}{2}\Big]} \right)^2 \Big] + (-1)^{3/4} \, \text{Log} \Big[ \left( \sqrt{-1 + i} - \sqrt{-1 + \text{Tanh} \Big[\frac{x}{2}\Big]} \right)^2 \Big] + (-1)^{3/4} \, \text{Log} \Big[ \left( \sqrt{-1 + i} - \sqrt{-1 + \text{Tanh} \Big[\frac{x}{2}\Big]} \right)^2 \Big] + (-1)^{3/4} \, \text{Log} \Big[ \left( \sqrt{-1 + i} - \sqrt{-1 + \text{Tanh} \Big[\frac{x}{2}\Big]} \right)^2 \Big] + (-1)^{3/4} \, \text{Log} \Big[ \left( \sqrt{-1 + i} - \sqrt{-1 + \text{Tanh} \Big[\frac{x}{2}\Big]} \right)^2 \Big] + (-1)^{3/4} \, \text{Log} \Big[ \left( \sqrt{-1 + i} - \sqrt{-1 + \text{Tanh} \Big[\frac{x}{2}\Big]} \right)^2 \Big] + (-1)^{3/4} \, \text{Log} \Big[ \left( \sqrt{-1 + i} - \sqrt{-1 + \text{Tanh} \Big[\frac{x}{2}\Big]} \right)^2 \Big] + (-1)^{3/4} \, \text{Log} \Big[ \left( \sqrt{-1 + i} - \sqrt{-1 + \text{Tanh} \Big[\frac{x}{2}\Big]} \right)^2 \Big] + (-1)^{3/4} \, \text{Log} \Big[ \left( \sqrt{-1 + i} - \sqrt{-1 + \text{Tanh} \Big[\frac{x}{2} - \sqrt{$$

$$(-1)^{3/4} \, \text{Log} \Big[ \left( \sqrt{-1 - i} + \sqrt{-1 + \text{Tanh} \Big[\frac{x}{2}\Big]} \right)^2 \Big] + (-1)^{3/4} \, \text{Log} \Big[ \left( \sqrt{-1 + i} + \sqrt{-1 + \text{Tanh} \Big[\frac{x}{2}\Big]} \right)^2 \Big] - (-1)^{3/4} \, \text{Log} \Big[ \left( \sqrt{-1 + i} + \sqrt{-1 + \text{Tanh} \Big[\frac{x}{2}\Big]} \right)^2 \Big] + (-1)^{3/4} \, \text{Log} \Big[ \left( \sqrt{-1 + i} + \sqrt{-1 + \text{Tanh} \Big[\frac{x}{2}\Big]} \right)^2 \Big] + (-1)^{3/4} \, \text{Log} \Big[ \left( \sqrt{-1 + i} + \sqrt{-1 + \text{Tanh} \Big[\frac{x}{2}\Big]} \right)^2 \Big] + (-1)^{3/4} \, \text{Log} \Big[ \left( \sqrt{-1 + i} + \sqrt{-1 + \text{Tanh} \Big[\frac{x}{2}\Big]} \right)^2 \Big] + (-1)^{3/4} \, \text{Log} \Big[ \left( \sqrt{-1 + i} + \sqrt{-1 + \text{Tanh} \Big[\frac{x}{2}\Big]} \right)^2 \Big] + (-1)^{3/4} \, \text{Log} \Big[ \left( \sqrt{-1 + i} + \sqrt{-1 + \text{Tanh} \Big[\frac{x}{2}\Big]} \right)^2 \Big] + (-1)^{3/4} \, \text{Log} \Big[ \left( \sqrt{-1 + i} + \sqrt{-1 + \text{Tanh} \Big[\frac{x}{2}\Big]} \right)^2 \Big] + (-1)^{3/4} \, \text{Log} \Big[ \left( \sqrt{-1 + i} + \sqrt{-1 + \text{Tanh} \Big[\frac{x}{2}\Big]} \right)^2 \Big] + (-1)^{3/4} \, \text{Log} \Big[ \left( \sqrt{-1 + i} + \sqrt{-1 + \text{Tanh} \Big[\frac{x}{2}\Big]} \right)^2 \Big] + (-1)^{3/4} \, \text{Log} \Big[ \left( \sqrt{-1 + i} + \sqrt{-1 + \text{Tanh} \Big[\frac{x}{2}\Big]} \right)^2 \Big] + (-1)^{3/4} \, \text{Log} \Big[ \left( \sqrt{-1 + i} + \sqrt{-1 + \text{Tanh} \Big[\frac{x}{2}\Big]} \right)^2 \Big] + (-1)^{3/4} \, \text{Log} \Big[ \left( \sqrt{-1 + i} + \sqrt{-1 + \text{Tanh} \Big[\frac{x}{2}\Big]} \right)^2 \Big] + (-1)^{3/4} \, \text{Log} \Big[ \left( \sqrt{-1 + i} + \sqrt{-1 + \text{Tanh} \Big[\frac{x}{2}\Big]} \right)^2 \Big] + (-1)^{3/4} \, \text{Log} \Big[ \left( \sqrt{-1 + i} + \sqrt{-1 + \text{Tanh} \Big[\frac{x}{2}\Big]} \right)^2 \Big] + (-1)^{3/4} \, \text{Log} \Big[ \left( \sqrt{-1 + i} + \sqrt{-1 + \text{Tanh} \Big[\frac{x}{2}\Big]} \right) \Big] + (-1)^{3/4} \, \text{Log} \Big[ \left( \sqrt{-1 + i} + \sqrt{-1 + \text{Tanh} \Big[\frac{x}{2}\Big]} \right) \Big] + (-1)^{3/4} \, \text{Log} \Big[ \left( \sqrt{-1 + i} + \sqrt{-1 + \text{Tanh} \Big[\frac{x}{2}\Big]} \right) \Big] + (-1)^{3/4} \, \text{Log} \Big[ \left( \sqrt{-1 + i} + \sqrt{-1 + \text{Tanh} \Big[\frac{x}{2}\Big]} \right) \Big] + (-1)^{3/4} \, \text{Log} \Big[ \left( \sqrt{-1 + i} + \sqrt{-1 + \text{Tanh} \Big[\frac{x}{2}\Big]} \right) \Big] + (-1)^{3/4} \, \text{Log} \Big[ \left( \sqrt{-1 + i} + \sqrt{-1 + \text{Tanh} \Big[\frac{x}{2}\Big]} \right) \Big] + (-1)^{3/4} \, \text{Log} \Big[ \left( \sqrt{-1 + i} + \sqrt{-1 + \text{Tanh} \Big[\frac{x}{2} + \sqrt{-1 + \text{Tanh} \Big[\frac{x}{2}\Big]} \right) \Big] + (-1)^{3/4} \, \text{Log} \Big[ \left( \sqrt{-1 + i} + \sqrt{-1 + \text{Tanh} \Big[\frac{x}{2} + \sqrt$$

$$\text{Log} \left[ 32 \left[ (1-\text{i}) \left( 1+\sqrt{2} \sqrt{\text{Tanh} \left[\frac{x}{2}\right]} \right) - \frac{2 \left( (1+\text{i}) + \text{i} \sqrt{2} \sqrt{\text{Tanh} \left[\frac{x}{2}\right]} \right) \sqrt{-1+\text{Tanh} \left[\frac{x}{2}\right]}}{\sqrt{-1+\text{i}}} + (2+\text{i}) \left( -1+\text{Tanh} \left[\frac{x}{2}\right] \right) \right] - \frac{2 \left( (1+\text{i}) + \text{i} \sqrt{2} \sqrt{\text{Tanh} \left[\frac{x}{2}\right]} \right) \sqrt{-1+\text{Tanh} \left[\frac{x}{2}\right]}}{\sqrt{-1+\text{i}}} + (2+\text{i}) \left( -1+\text{Tanh} \left[\frac{x}{2}\right] \right) \right] - \frac{2 \left( (1+\text{i}) + \text{i} \sqrt{2} \sqrt{\text{Tanh} \left[\frac{x}{2}\right]} \right) \sqrt{-1+\text{Tanh} \left[\frac{x}{2}\right]}}{\sqrt{-1+\text{i}}} + (2+\text{i}) \left( -1+\text{Tanh} \left[\frac{x}{2}\right] \right) \right) - \frac{2 \left( (1+\text{i}) + \text{i} \sqrt{2} \sqrt{\text{Tanh} \left[\frac{x}{2}\right]} \right) \sqrt{-1+\text{Tanh} \left[\frac{x}{2}\right]}}{\sqrt{-1+\text{i}}} + (2+\text{i}) \left( -1+\text{Tanh} \left[\frac{x}{2}\right] \right) \right) - \frac{2 \left( (1+\text{i}) + \text{i} \sqrt{2} \sqrt{\text{Tanh} \left[\frac{x}{2}\right]} \right) \sqrt{-1+\text{Tanh} \left[\frac{x}{2}\right]}}{\sqrt{-1+\text{i}}} + (2+\text{i}) \left( -1+\text{Tanh} \left[\frac{x}{2}\right] \right) - \frac{2 \left( (1+\text{i}) + \text{i} \sqrt{2} \sqrt{\text{Tanh} \left[\frac{x}{2}\right]} \right) \sqrt{-1+\text{Tanh} \left[\frac{x}{2}\right]}}{\sqrt{-1+\text{i}}} + (2+\text{i}) \left( -1+\text{Tanh} \left[\frac{x}{2}\right] \right) - \frac{2 \left( (1+\text{i}) + \text{i} \sqrt{2} \sqrt{\text{Tanh} \left[\frac{x}{2}\right]} \right) \sqrt{-1+\text{Tanh} \left[\frac{x}{2}\right]}}{\sqrt{-1+\text{i}}} + (2+\text{i}) \left( -1+\text{Tanh} \left[\frac{x}{2}\right] \right) - \frac{2 \left( (1+\text{i}) + \text{i} \sqrt{2} \sqrt{\text{Tanh} \left[\frac{x}{2}\right]} \right) \sqrt{-1+\text{Tanh} \left[\frac{x}{2}\right]}}{\sqrt{-1+\text{i}}} + (2+\text{i}) \left( -1+\text{Tanh} \left[\frac{x}{2}\right] \right) - \frac{2 \left( (1+\text{i}) + \text{i} \sqrt{2} \sqrt{\text{Tanh} \left[\frac{x}{2}\right]} \right) \sqrt{-1+\text{Tanh} \left[\frac{x}{2}\right]}}{\sqrt{-1+\text{Tanh} \left[\frac{x}{2}\right]}} + (2+\text{i}) \left( -1+\text{Tanh} \left[\frac{x}{2}\right] \right) - \frac{2 \left( (1+\text{i}) + \text{i} \sqrt{2} \sqrt{\text{Tanh} \left[\frac{x}{2}\right]} \right) \sqrt{-1+\text{Tanh} \left[\frac{x}{2}\right]}}{\sqrt{-1+\text{Tanh} \left[\frac{x}{2}\right]}} + (2+\text{i}) \left( -1+\text{Tanh} \left[\frac{x}{2}\right]} \right)$$

$$\left(4-4 \text{ i}\right) \text{ Log}\left[4\left(1+\sqrt{\text{Tanh}\left[\frac{x}{2}\right]}\right)\right] - (-1)^{3/4} \text{ Log}\left[-32\left((1+2 \text{ i})+2 \text{ i}\sqrt{-1+\text{ i}}\right)\sqrt{-1+\text{Tanh}\left[\frac{x}{2}\right]} - (1+\text{Tanh}\left[\frac{x}{2}\right]\right) - (1+\text{Tanh}\left[\frac{x}{2}\right]\right) - (1+\text{Tanh}\left[\frac{x}{2}\right] - (2+\text{ i}) \text{ Tanh}\left[\frac{x}{2}\right]\right] - (2+\text{ i}) \text{ Tanh}\left[\frac{x}{2}\right] - (2+\text{ i}) \text{ Tanh}\left[\frac{x}{2}\right] - (2+\text{ i}) \text{ Log}\left[-1+\text{Tanh}\left[\frac{x}{2}\right]\right] - (-1)^{3/4} \text{ Log}\left[-32 \text{ i}\left((2+\text{ i})+2\sqrt{-1-\text{ i}}\sqrt{-1+\text{Tanh}\left[\frac{x}{2}\right]} - \text{Tanh}\left[\frac{x}{2}\right]\right)\right] + (2-2 \text{ i}) \text{ Log}\left[-1+\text{Tanh}\left[\frac{x}{2}\right]\right] - (-1)^{3/4} \text{ Log}\left[32 \text{ i}\left((-2-\text{ i})+2\sqrt{-1-\text{ i}}\sqrt{-1+\text{Tanh}\left[\frac{x}{2}\right]} + \text{Tanh}\left[\frac{x}{2}\right]\right)\right] + (2+\text{Tanh}\left[\frac{x}{2}\right]\right) - (-1)^{3/4} \text{ Log}\left[32 \text{ i}\left((-2-\text{ i})+2\sqrt{-1-\text{ i}}\sqrt{-1+\text{Tanh}\left[\frac{x}{2}\right]} + \text{Tanh}\left[\frac{x}{2}\right]\right)\right] - (-1)^{3/4} \text{ Log}\left[32 \text{ i}\left((-2-\text{ i})+2\sqrt{-1-\text{ i}}\sqrt{-1+\text{Tanh}\left[\frac{x}{2}\right]} + \text{Tanh}\left[\frac{x}{2}\right]\right)\right] + (-1)^{3/4} \text{ Log}\left[32 \text{ i}\left((-2-\text{ i})+2\sqrt{-1-\text{ i}}\sqrt{-1+\text{Tanh}\left[\frac{x}{2}\right]} + \text{Tanh}\left[\frac{x}{2}\right]\right)\right] + (-1)^{3/4} \text{ Log}\left[32 \text{ i}\left((-2-\text{ i})+2\sqrt{-1-\text{ i}}\sqrt{-1+\text{Tanh}\left[\frac{x}{2}\right]} + \text{Tanh}\left[\frac{x}{2}\right]\right)\right] + (-1)^{3/4} \text{ Log}\left[32 \text{ i}\left((-2-\text{ i})+2\sqrt{-1-\text{ i}}\sqrt{-1+\text{Tanh}\left[\frac{x}{2}\right]} + \text{Tanh}\left[\frac{x}{2}\right]\right)\right] + (-1)^{3/4} \text{ Log}\left[32 \text{ i}\left((-2-\text{ i})+2\sqrt{-1-\text{ i}}\sqrt{-1+\text{Tanh}\left[\frac{x}{2}\right]} + \text{Tanh}\left[\frac{x}{2}\right]\right)\right] + (-1)^{3/4} \text{ Log}\left[32 \text{ i}\left((-2-\text{ i})+2\sqrt{-1-\text{ i}}\sqrt{-1+\text{Tanh}\left[\frac{x}{2}\right]} + \text{Tanh}\left[\frac{x}{2}\right]\right)\right] + (-1)^{3/4} \text{ Log}\left[32 \text{ i}\left((-2-\text{ i})+2\sqrt{-1-\text{ i}}\sqrt{-1+\text{Tanh}\left[\frac{x}{2}\right]} + \text{Tanh}\left[\frac{x}{2}\right]\right)\right] + (-1)^{3/4} \text{ Log}\left[32 \text{ i}\left((-2-\text{ i})+2\sqrt{-1-\text{ i}}\sqrt{-1+\text{Tanh}\left[\frac{x}{2}\right]}\right)\right] + (-1)^{3/4} \text{ Log}\left[32 \text{ i}\left((-2-\text{ i})+2\sqrt{-1-\text{ i}}\sqrt{-1+\text{Tanh}\left[\frac{x}{2}\right]}\right)\right]$$

$$\begin{split} & \left\{ \frac{\text{Coth[x]}}{\sqrt{1 + \text{Sinh[x]}^2}}, \text{ x, 2, 0} \right\} \\ & - \text{ArcTanh} \left[ \sqrt{\text{Cosh[x]}^2} \right] \\ & \frac{\text{Cosh[x]} \left( -\text{Log} \left[ 2 \, \text{Cosh[x]}^{\frac{x}{2}} \right] \right] + \text{Log} \left[ 2 \, \text{Sinh} \left[ \frac{x}{2} \right] \right] \right)}{\sqrt{\text{Cosh[x]}^2}} \end{split}$$

Valid but unnecessarily complicated antiderivative:

$$\left\{ \frac{ Tanh[x]^3}{\sqrt{a+b \ Tanh[x]^2}}, \ x, \ 6, \ 0 \right\}$$
 
$$\frac{ ArcTanh \left[ \frac{\sqrt{a+b \ Tanh[x]^2}}{\sqrt{a+b}} \right]}{\sqrt{a+b}} - \frac{\sqrt{a+b \ Tanh[x]^2}}{b}$$
 
$$\frac{1}{2} \left( -\frac{\sqrt{2}}{b} + \frac{2 \ Cosh[x] \ Log \left[ \sqrt{2} \ \sqrt{a+b} \ Cosh[x] + \sqrt{a-b+(a+b) \ Cosh[2 \ x]} \ \right]}{\sqrt{a+b} \ \sqrt{a-b+(a+b) \ Cosh[2 \ x]}} \right) \sqrt{(a-b+(a+b) \ Cosh[2 \ x]) \ Sech[x]^2}$$

$$\left\{\frac{\mathrm{Tanh}[x]^{2}}{\sqrt{\mathrm{a}+\mathrm{b}\,\mathrm{Tanh}[x]^{2}}},\,x,\,5,\,0\right\}$$

$$-\frac{\operatorname{ArcTanh}\left[\frac{\sqrt{b} \ \operatorname{Tanh}[x]}{\sqrt{a+b \ \operatorname{Tanh}[x]^2}}\right]}{\sqrt{b}} + \frac{\operatorname{ArcTanh}\left[\frac{\sqrt{a+b} \ \operatorname{Tanh}[x]^2}{\sqrt{a+b \ \operatorname{Tanh}[x]^2}}\right]}{\sqrt{a+b}} \\ -\frac{\left[-\sqrt{a+b} \ \operatorname{ArcTanh}\left[\frac{\sqrt{2} \ \sqrt{-b} \ \operatorname{Sinh}[x]}{\sqrt{a-b+(a+b) \ \operatorname{Cosh}[2\,x]}}\right] + \sqrt{-b} \ \operatorname{ArcTanh}\left[\frac{\sqrt{2} \ \sqrt{a+b} \ \operatorname{Sinh}[x]}{\sqrt{a-b+(a+b) \ \operatorname{Cosh}[2\,x]}}\right]\right) \sqrt{a-b+(a+b) \ \operatorname{Cosh}[2\,x]}} \ \operatorname{Sech}\left[x\right] \\ -\frac{\sqrt{-b} \ \sqrt{a+b} \ \sqrt{a+b} \ \sqrt{(a-b+(a+b) \ \operatorname{Cosh}[2\,x])} \ \operatorname{Sech}\left[x\right]^2}}{\sqrt{-b} \ \sqrt{a+b} \ \sqrt{(a-b+(a+b) \ \operatorname{Cosh}[2\,x])} \ \operatorname{Sech}\left[x\right]^2}}$$

Valid but unnecessarily complicated antiderivative:

$$\left\{ \frac{\text{Tanh[x]}}{\sqrt{\texttt{a} + \texttt{b} \, \text{Tanh[x]}^2}}, \, \mathbf{x}, \, \mathbf{3}, \, \mathbf{0} \right\}$$
 
$$\frac{\text{ArcTanh}\left[\frac{\sqrt{\texttt{a} + \texttt{b} \, \text{Tanh[x]}^2}}{\sqrt{\texttt{a} + \texttt{b}}}\right]}{\sqrt{\texttt{a} + \texttt{b}}}$$
 
$$\frac{\sqrt{\texttt{a} - \texttt{b} + (\texttt{a} + \texttt{b}) \, \text{Cosh[2x]}} \, \text{Log}\left[\sqrt{2} \, \sqrt{\texttt{a} + \texttt{b}} \, \, \text{Cosh[x]} + \sqrt{\texttt{a} - \texttt{b} + (\texttt{a} + \texttt{b}) \, \, \text{Cosh[2x]}} \, \right] \, \text{Sech[x]}}{\sqrt{\texttt{a} + \texttt{b}} \, \sqrt{(\texttt{a} - \texttt{b} + (\texttt{a} + \texttt{b}) \, \, \, \text{Cosh[2x]}) \, \, \text{Sech[x]}^2} }$$

Valid but unnecessarily complicated antiderivative:

$$\left\{ \frac{ \operatorname{Coth}[x]}{\sqrt{a+b \operatorname{Tanh}[x]^2}}, \, x, \, 7, \, 0 \right\}$$

$$\frac{ \operatorname{ArcTanh}\left[\frac{\sqrt{a+b \operatorname{Tanh}[x]^2}}{\sqrt{a}}\right]}{\sqrt{a}} + \frac{ \operatorname{ArcTanh}\left[\frac{\sqrt{a+b \operatorname{Tanh}[x]^2}}{\sqrt{a+b}}\right]}{\sqrt{a+b}}$$

$$\left[ \sqrt{a-b+(a+b) \operatorname{Cosh}[2\,x]} \right]$$

$$\left[ -\sqrt{a+b} \operatorname{ArcTanh}\left[\frac{\sqrt{2} \, \sqrt{a} \, \operatorname{Cosh}[x]}{\sqrt{a-b+(a+b) \, \operatorname{Cosh}[2\,x]}}\right] + \sqrt{a} \, \operatorname{Log}\left[\sqrt{2} \, \sqrt{a+b} \, \operatorname{Cosh}[x] + \sqrt{a-b+(a+b) \, \operatorname{Cosh}[2\,x]}\right] \right] \operatorname{Sech}[x]$$

$$\left[ \sqrt{a} \, \sqrt{a+b} \, \sqrt{(a-b+(a+b) \, \operatorname{Cosh}[2\,x]) \, \operatorname{Sech}[x]^2} \right]$$

Valid but unnecessarily complicated antiderivative:

$$\left\{ \frac{ \operatorname{Coth}[\mathtt{x}]^2}{\sqrt{\mathtt{a} + \mathtt{b} \operatorname{Tanh}[\mathtt{x}]^2}}, \ \mathtt{x}, \ \mathtt{5}, \ \mathtt{0} \right\}$$
 
$$\frac{ \operatorname{ArcTanh}\left[\frac{\sqrt{\mathtt{a} + \mathtt{b} \operatorname{Tanh}[\mathtt{x}]}}{\sqrt{\mathtt{a} + \mathtt{b} \operatorname{Tanh}[\mathtt{x}]^2}}\right]}{\sqrt{\mathtt{a} + \mathtt{b}}} - \frac{ \operatorname{Coth}[\mathtt{x}] \ \sqrt{\mathtt{a} + \mathtt{b} \operatorname{Tanh}[\mathtt{x}]^2}}{\mathtt{a}}$$
 
$$- \sqrt{2} \ \sqrt{\mathtt{a} + \mathtt{b}} \ (\mathtt{a} - \mathtt{b} + (\mathtt{a} + \mathtt{b}) \operatorname{Cosh}[\mathtt{2} \, \mathtt{x}]) \operatorname{Csch}[\mathtt{2} \, \mathtt{x}] + \mathtt{a} \operatorname{ArcTanh}\left[\frac{\sqrt{\mathtt{2}} \ \sqrt{\mathtt{a} + \mathtt{b}} \operatorname{Sinh}[\mathtt{x}]}}{\sqrt{\mathtt{a} - \mathtt{b} + (\mathtt{a} + \mathtt{b}) \operatorname{Cosh}[\mathtt{2} \, \mathtt{x}]}} \right] \sqrt{\mathtt{a} - \mathtt{b} + (\mathtt{a} + \mathtt{b}) \operatorname{Cosh}[\mathtt{2} \, \mathtt{x}]} \operatorname{Sech}[\mathtt{x}]$$
 
$$= \sqrt{\mathtt{a} + \mathtt{b}} \ \sqrt{(\mathtt{a} - \mathtt{b} + (\mathtt{a} + \mathtt{b}) \operatorname{Cosh}[\mathtt{2} \, \mathtt{x}]} \operatorname{Sech}[\mathtt{x}]^2}$$

Incorrect antiderivative:

$$\left\{ \operatorname{Tanh}\left[\mathbf{x}\right]^{3}\sqrt{a+b\operatorname{Tanh}\left[\mathbf{x}\right]^{2}},\,\mathbf{x},\,7,\,0\right\}$$

$$\sqrt{a+b} \operatorname{ArcTanh}\left[\frac{\sqrt{a+b\operatorname{Tanh}[x]^2}}{\sqrt{a+b}}\right] - \sqrt{a+b\operatorname{Tanh}[x]^2} - \frac{\left(a+b\operatorname{Tanh}[x]^2\right)^{3/2}}{3b}$$
 
$$\frac{1}{3\sqrt{2}} \sqrt{(a-b+(a+b)\operatorname{Cosh}[2\,x])\operatorname{Sech}[x]^2} \left[ -4 - \frac{a}{b} - \left(3\sqrt{2} \sqrt{a+b}\operatorname{Cosh}[x]\right) \right]$$
 
$$\left[ \operatorname{Log}\left[-\sqrt{a+b}\operatorname{Sech}\left[\frac{x}{2}\right]^2\right] - \operatorname{Log}\left[2\left(a+b+\frac{\sqrt{a+b}\sqrt{(a-b+(a+b)\operatorname{Cosh}[2\,x])\operatorname{Sech}\left[\frac{x}{2}\right]^4}}{\sqrt{2}} + (a+b)\operatorname{Tanh}\left[\frac{x}{2}\right]^2\right] \right]$$
 
$$\operatorname{Sech}\left[\frac{x}{2}\right]^2 \left/ \sqrt{\left(a-b+(a+b)\operatorname{Cosh}[2\,x]\right)\operatorname{Sech}\left[\frac{x}{2}\right]^4} + \operatorname{Sech}[x]^2 \right]$$

Valid but unnecessarily complicated antiderivative:

$$\left\{ \operatorname{Tanh}[x] \sqrt{a + b \operatorname{Tanh}[x]^2}, \ x, \ 4, \ 0 \right\}$$

$$\sqrt{a + b} \operatorname{ArcTanh}\left[ \frac{\sqrt{a + b \operatorname{Tanh}[x]^2}}{\sqrt{a + b}} \right] - \sqrt{a + b \operatorname{Tanh}[x]^2}$$

$$- \frac{1}{\sqrt{(a - b + (a + b) \operatorname{Cosh}[2 x]) \operatorname{Sech}\left[\frac{x}{2}\right]^4}}$$

$$\left[ \sqrt{\frac{a - b + a \operatorname{Cosh}[2 x] + b \operatorname{Cosh}[2 x]}{3 + 4 \operatorname{Cosh}[x] + \operatorname{Cosh}[2 x]}} + \operatorname{Cosh}[x] \right] \left[ \sqrt{\frac{a - b + a \operatorname{Cosh}[2 x] + b \operatorname{Cosh}[2 x]}{3 + 4 \operatorname{Cosh}[x] + \operatorname{Cosh}[x]}} + \sqrt{a + b} \operatorname{Log}\left[ -\sqrt{a + b} \operatorname{Sech}\left[\frac{x}{2}\right]^2 \right] - \sqrt{a + b} \operatorname{Log}\left[ 2 \left[ a + b + \frac{\sqrt{a + b} \sqrt{(a - b + (a + b) \operatorname{Cosh}[2 x]) \operatorname{Sech}\left[\frac{x}{2}\right]^4}}{\sqrt{2}} + (a + b) \operatorname{Tanh}\left[\frac{x}{2}\right]^2 \right] \right]$$

$$\operatorname{Sech}\left[ \frac{x}{-} \right]^2 \sqrt{(a - b + (a + b) \operatorname{Cosh}[2 x]) \operatorname{Sech}[x]^2}$$

$$\begin{split} & \left\{ \text{Coth}[\mathbf{x}] \ \sqrt{a + b \ \text{Tanh}[\mathbf{x}]^2} \ , \ \mathbf{x}, \ 7, \ 0 \right\} \\ & - \sqrt{a} \ \text{ArcTanh} \Big[ \frac{\sqrt{a + b \ \text{Tanh}[\mathbf{x}]^2}}{\sqrt{a}} \Big] + \sqrt{a + b} \ \text{ArcTanh} \Big[ \frac{\sqrt{a + b \ \text{Tanh}[\mathbf{x}]^2}}{\sqrt{a + b}} \Big] \end{split}$$

$$\frac{1}{\sqrt{a-b+(a+b)\,\cosh[2\,x]}}$$

$$\cosh[x] \left( \sqrt{a} \, \operatorname{ArcTanh} \left[ \frac{\sqrt{2} \, \sqrt{a} \, \operatorname{Cosh}[x]}{\sqrt{a-b+(a+b)\, \operatorname{Cosh}[2\,x]}} \right] - \sqrt{a+b} \, \operatorname{Log} \left[ \sqrt{2} \, \sqrt{a+b} \, \operatorname{Cosh}[x] + \sqrt{a-b+(a+b)\, \operatorname{Cosh}[2\,x]} \, \right] \right)$$

$$\sqrt{(a-b+(a+b)\, \operatorname{Cosh}[2\,x]) \, \operatorname{Sech}[x]^2}$$

Incorrect antiderivative:

$$\{ Tanh[x]^3 (a + b Tanh[x]^2)^{3/2}, x, 8, 0 \}$$

$$\left(a+b\right)^{3/2} Arc Tanh \left[\frac{\sqrt{a+b Tanh [x]^{2}}}{\sqrt{a+b}}\right] - \left(a+b\right) \sqrt{a+b Tanh [x]^{2}} - \frac{1}{3} \left(a+b Tanh [x]^{2}\right)^{3/2} - \frac{\left(a+b Tanh [x]^{2}\right)^{5/2}}{5 b}$$

$$\frac{1}{15\sqrt{2}}\sqrt{(a-b+(a+b)\, \text{Cosh}[2\,x])\, \text{Sech}[x]^2} \left[ -26\,a - \frac{3\,a^2}{b} - 23\,b - \left[ 15\,\sqrt{2}\, (a+b)^{3/2}\, \text{Cosh}[x] \right] \right]$$

$$\left[ \text{Log} \left[ -\sqrt{a+b} \text{ Sech} \left[ \frac{x}{2} \right]^2 \right] - \text{Log} \left[ 2 \left[ a+b + \frac{\sqrt{a+b} \sqrt{(a-b+(a+b) \, \text{Cosh} \left[ 2 \, x \right])} \, \text{Sech} \left[ \frac{x}{2} \right]^4}{\sqrt{2}} + (a+b) \, \text{Tanh} \left[ \frac{x}{2} \right]^2 \right] \right]$$

$$\operatorname{Sech}\left[\frac{x}{2}\right]^{2} \left/ \left(\sqrt{(a-b+(a+b)\operatorname{Cosh}[2\,x])\operatorname{Sech}\left[\frac{x}{2}\right]^{4}}\right) + (6\,a+11\,b)\operatorname{Sech}[x]^{2} - 3\,b\operatorname{Sech}[x]^{4}\right) \right|$$

Incorrect antiderivative:

$$\left\{ \operatorname{Tanh}\left[\mathbf{x}\right] \left( a + b \operatorname{Tanh}\left[\mathbf{x}\right]^{2} \right)^{3/2}, \mathbf{x}, 6, 0 \right\}$$

$${\rm (a+b)^{3/2}\,ArcTanh}\Big[\,\frac{\sqrt{a+b\,Tanh\,[\,x\,]^{\,2}}}{\sqrt{a+b}}\,\Big]\,-\,\,(a+b)\,\,\sqrt{a+b\,Tanh\,[\,x\,]^{\,2}}\,\,-\,\frac{1}{3}\,\,\Big(a+b\,Tanh\,[\,x\,]^{\,2}\Big)^{\,3/2}$$

$$\frac{1}{\sqrt{2}} \sqrt{(a-b+(a+b) \, Cosh[2\,x]) \, Sech[x]^2} \left[ -\frac{4}{3} \, (a+b) - \sqrt{2} \, (a+b)^{3/2} \, Cosh[x] \right]$$

$$\left[ \text{Log}\left[ -\sqrt{a+b} \ \text{Sech}\left[\frac{x}{2}\right]^2 \right] - \text{Log}\left[ 2 \left( a+b+\frac{\sqrt{a+b} \ \sqrt{\left(a-b+\left(a+b\right) \ \text{Cosh}\left[2 \ x\right]\right)} \ \text{Sech}\left[\frac{x}{2}\right]^4}}{\sqrt{2}} + \left(a+b\right) \ \text{Tanh}\left[\frac{x}{2}\right]^2 \right] \right] \right] = \left[ -\sqrt{a+b} \ \text{Sech}\left[\frac{x}{2}\right]^4 + \left(a+b\right) \ \text{Tanh}\left[\frac{x}{2}\right]^4 + \left(a$$

$$\operatorname{Sech}\left[\frac{x}{2}\right]^{2} \left/ \left( \sqrt{(a-b+(a+b)\operatorname{Cosh}[2\,x])\operatorname{Sech}\left[\frac{x}{2}\right]^{4}} \right) + \frac{1}{3}\operatorname{b}\operatorname{Sech}[x]^{2} \right|$$

Incorrect antiderivative:

$$\begin{bmatrix} \mbox{coth}(x) & (a+b \, \mbox{Tanh}(x)^2)^{\frac{3/2}{2}}, \ x, \, \theta, \, 0 \\ -a^{3/2} \, \mbox{ArcTanh} \left[ \frac{\sqrt{a+b \, \mbox{Tanh}(x)^2}}{\sqrt{a}} \right] + (a+b)^{\frac{3/2}{2}} \, \mbox{ArcTanh} \left[ \frac{\sqrt{a+b \, \mbox{Tanh}(x)^2}}{\sqrt{a+b}} \right] - b \sqrt{a+b \, \mbox{Tanh}(x)^2} \\ -b \sqrt{\frac{a-b+a \, \mbox{Cosh}(2\,x)}{1+ \mbox{Cosh}(2\,x)}} + \frac{1}{1+ \mbox{Cosh}(2\,x)} + \frac{1}{1+ \mbox{Cosh}(2\,x)} + \frac{1}{1+ \mbox{Cosh}(2\,x)} + \frac{1}{1+ \mbox{Cosh}(2\,x)} - \frac{1}{1+ \mbox{Cosh}(2\,x)} - \frac{1}{1+ \mbox{Cosh}(2\,x)} + \frac{1}{1+ \mbox{Cosh}(2\,x)} - \frac{1}{1+ \mbox{Cosh}(2\,x)}$$

$$\left(3 \left(1 + \operatorname{Cosh}[2\,x]\right)^2 \sqrt{a - b + (a + b) \operatorname{Cosh}[2\,x]}\right) - \left(1 + \operatorname{Cosh}[x]\right) \sqrt{\frac{1 + \operatorname{Cosh}[2\,x]}{\left(1 + \operatorname{Cosh}[x]\right)^2}}$$

$$\left(-\operatorname{Log}\left[\sqrt{a} \operatorname{Tanh}\left[\frac{x}{2}\right]^2\right] + \operatorname{Log}\left[2\left(a + 2\,b + a \operatorname{Tanh}\left[\frac{x}{2}\right]^2 + \sqrt{a}\right) \sqrt{4\,b \operatorname{Tanh}\left[\frac{x}{2}\right]^2 + a\left(1 + \operatorname{Tanh}\left[\frac{x}{2}\right]^2\right)^2}\right)\right] + \left(\operatorname{Log}\left[-2\left(a + a \operatorname{Tanh}\left[\frac{x}{2}\right]^2 + 2\,b \operatorname{Tanh}\left[\frac{x}{2}\right]^2 + \sqrt{a}\right) \sqrt{4\,b \operatorname{Tanh}\left[\frac{x}{2}\right]^2 + a\left(1 + \operatorname{Tanh}\left[\frac{x}{2}\right]^2\right)^2}\right)\right] \right)$$

$$\left(-1 + \operatorname{Tanh}\left[\frac{x}{2}\right]^2\right) \left(1 + \operatorname{Tanh}\left[\frac{x}{2}\right]^2\right) \sqrt{\frac{4\,b \operatorname{Tanh}\left[\frac{x}{2}\right]^2 + a\left(1 + \operatorname{Tanh}\left[\frac{x}{2}\right]^2\right)^2}{\left(-1 + \operatorname{Tanh}\left[\frac{x}{2}\right]^2\right)^2}}\right) / \left(1 + \operatorname{Tanh}\left[\frac{x}{2}\right]^2\right)^2}$$

$$\left(4\sqrt{a} \sqrt{1 + \operatorname{Cosh}[2\,x]} \sqrt{\left(1 + \operatorname{Tanh}\left[\frac{x}{2}\right]^2\right)^2} \sqrt{4\,b \operatorname{Tanh}\left[\frac{x}{2}\right]^2 + a\left(1 + \operatorname{Tanh}\left[\frac{x}{2}\right]^2\right)^2}\right) \right)$$

$$\left\{ \text{Coth}\left[\mathbf{x}\right]^{2} \left( a + b \, \text{Tanh}\left[\mathbf{x}\right]^{2} \right)^{3/2}, \, \mathbf{x}, \, 13, \, 0 \right\}$$

$$b \, Tanh[x] \, \sqrt{a + b \, Tanh[x]^2} \, - Coth[x] \, \left(a + b \, Tanh[x]^2\right)^{3/2}$$

$$\frac{1}{\sqrt{2}}\sqrt{(a-b+(a+b)\cosh[2x])\operatorname{Sech}[x]^2}$$

$$Sech[x]^{2} = \frac{\left[ a \; (a+2\,b) \; \sqrt{\frac{(a-b+(a+b)\; Cosh[2\,x])\; Csch[x]^{2}}{b}} \; EllipticF[ArcSin[\frac{\sqrt{\frac{(a-b+(a+b)\; Cosh[2\,x])\; Csch[x]^{2}}{b}}}{\sqrt{2}} \right], \; 1] \; Sinh[2\,x]}{\sqrt{2}} - \frac{1}{\sqrt{2}} = \frac{1}{\sqrt{2}} \left[ \frac{1}{\sqrt{2}} \left[ \frac{(a-b+(a+b)\; Cosh[2\,x])\; Csch[x]^{2}}{b}}{\sqrt{2}} \right] \right] + \frac{1}{\sqrt{2}} \left[ \frac{1}{\sqrt{2}} \left[ \frac{(a-b+(a+b)\; Cosh[2\,x])\; Csch[x]^{2}}{b}}{\sqrt{2}} \right] \right] + \frac{1}{\sqrt{2}} \left[ \frac{1}{\sqrt{2}} \left[ \frac{(a-b+(a+b)\; Cosh[2\,x])\; Csch[x]^{2}}{b}}{\sqrt{2}} \right] \right] + \frac{1}{\sqrt{2}} \left[ \frac{1}{\sqrt{2}} \left[ \frac{(a-b+(a+b)\; Cosh[2\,x])\; Csch[x]^{2}}{b}}{\sqrt{2}} \right] \right] + \frac{1}{\sqrt{2}} \left[ \frac{1}{\sqrt{2}} \left[ \frac{(a-b+(a+b)\; Cosh[2\,x])\; Csch[x]^{2}}{b}}{\sqrt{2}} \right] \right] + \frac{1}{\sqrt{2}} \left[ \frac{(a-b+(a+b)\; Cosh[2\,x])\; Csch[x]^{2}}{b}}{\sqrt{2}} \right] + \frac{1}{\sqrt{2}} \left[ \frac{(a-b+(a+b)\; Cosh[2\,x])\; Csch[x]^{2}}{b}}{\sqrt{2}} \right] + \frac{1}{\sqrt{2}} \left[ \frac{(a-b+(a+b)\; Cosh[2\,x])\; Csch[x]^{2}}{b}}{\sqrt{2}} \right] + \frac{1}{\sqrt{2}} \left[ \frac{(a-b+(a+b)\; Cosh[2\,x])\; Csch[x]^{2}}{b}} \right] + \frac{1}{\sqrt{2}} \left[ \frac{(a-b+(a+b)\; Csch[x])\; Csch[x]^{2}}{b}} \right] + \frac$$

$$\frac{(\mathsf{a}+\mathsf{b})\;\sqrt{\frac{(\mathsf{a}-\mathsf{b}+(\mathsf{a}+\mathsf{b})\;\mathsf{Cosh}[2\,x]\;)\;\mathsf{Csch}[x]^2}{\mathsf{b}}}\;\;\mathsf{EllipticPi}\Big[\frac{\mathsf{b}}{\mathsf{a}+\mathsf{b}}\;,\;\mathsf{ArcSin}\Big[\frac{\sqrt{\frac{(\mathsf{a}-\mathsf{b}+(\mathsf{a}+\mathsf{b})\;\mathsf{Cosh}[2\,x]\;)\;\mathsf{csch}[x]^2}{\mathsf{b}}}}{\sqrt{2}}\Big]\;,\;1\Big]\;\mathsf{Sinh}[2\,x]}{\sqrt{2}}$$

$$\left\{ \frac{ \text{Tanh}[x]}{ \left( a + b \, \text{Tanh}[x]^2 \right)^{3/2}}, \, x, \, 4, \, 0 \right\}$$
 
$$\frac{ \text{ArcTanh}\left[ \frac{\sqrt{a + b \, \text{Tanh}[x]^2}}{\sqrt{a + b}} \right]}{ \left( a + b \right)^{3/2}} - \frac{1}{ \left( a + b \right) \, \sqrt{a + b \, \text{Tanh}[x]^2}}$$
 
$$- \sqrt{2} \, \sqrt{a + b} + \sqrt{a - b + (a + b) \, \text{Cosh}[2 \, x]} \, \log \left[ \sqrt{2} \, \sqrt{a + b} \, \, \text{Cosh}[x] + \sqrt{a - b + (a + b) \, \text{Cosh}[2 \, x]} \, \right] \, \text{Sech}[x]$$
 
$$\left( a + b \right)^{3/2} \sqrt{\left( a - b + (a + b) \, \, \text{Cosh}[2 \, x] \right) \, \text{Sech}[x]^2}$$

Valid but unnecessarily complicated antiderivative:

$$\left\{ \frac{ \operatorname{Coth}[x]}{ \left( a + b \operatorname{Tanh}[x]^2 \right)^{3/2}}, \, x, \, 8 \, , \, 0 \right\}$$

$$- \frac{\operatorname{ArcTanh}\left[ \frac{\sqrt{a + b \operatorname{Tanh}[x]^2}}{\sqrt{a}} \right]}{ a^{3/2}} + \frac{\operatorname{ArcTanh}\left[ \frac{\sqrt{a + b \operatorname{Tanh}[x]^2}}{\sqrt{a + b}} \right]}{ (a + b)^{3/2}} + \frac{b}{a \, (a + b) \, \sqrt{a + b \operatorname{Tanh}[x]^2}}$$

$$\left( \left[ - (a + b)^{3/2} \operatorname{ArcTanh}\left[ \frac{\sqrt{2} \, \sqrt{a} \, \operatorname{Cosh}[x]}{\sqrt{a - b + (a + b)} \, \operatorname{Cosh}[2 \, x]}} \right] \sqrt{a - b + (a + b) \, \operatorname{Cosh}[2 \, x]} + \frac{b}{\sqrt{a} \, \left( \sqrt{2} \, b \, \sqrt{a + b} \, \operatorname{Cosh}[x] + a \, \sqrt{a - b + (a + b)} \, \operatorname{Cosh}[2 \, x]}} \right] \sqrt{a - b + (a + b) \, \operatorname{Cosh}[2 \, x]} + \frac{b}{\sqrt{a} \, \left( \sqrt{2} \, b \, \sqrt{a + b} \, \operatorname{Cosh}[x] + a \, \sqrt{a - b + (a + b)} \, \operatorname{Cosh}[2 \, x]}} \right]$$

$$\operatorname{Sech}[x] \left| \sqrt{a^{3/2} \, (a + b)^{3/2} \, \sqrt{(a - b + (a + b) \, \operatorname{Cosh}[2 \, x])} \, \operatorname{Sech}[x]^2} \right|$$

Incorrect antiderivative:

$$\left\{ \frac{ \operatorname{Coth}[\mathbf{x}]}{ \left( \mathbf{a} + \mathbf{b} \operatorname{Tanh}[\mathbf{x}]^2 \right)^{5/2}}, \, \mathbf{x}, \, \mathbf{8}, \, \mathbf{0} \right\}$$

$$- \frac{\operatorname{ArcTanh}\left[ \frac{\sqrt{\mathbf{a} + \mathbf{b} \operatorname{Tanh}[\mathbf{x}]^2}}{\sqrt{\mathbf{a}}} \right]}{ \mathbf{a}^{5/2}} + \frac{\operatorname{ArcTanh}\left[ \frac{\sqrt{\mathbf{a} + \mathbf{b} \operatorname{Tanh}[\mathbf{x}]^2}}{\sqrt{\mathbf{a} + \mathbf{b}}} \right]}{ (\mathbf{a} + \mathbf{b})^{5/2}} + \frac{\mathbf{b}}{\mathbf{3} \, \mathbf{a} \, (\mathbf{a} + \mathbf{b}) \, \left( \mathbf{a} + \mathbf{b} \operatorname{Tanh}[\mathbf{x}]^2 \right)^{3/2}} + \frac{\mathbf{b} \, (2 \, \mathbf{a} + \mathbf{b})}{ \mathbf{a}^2 \, (\mathbf{a} + \mathbf{b})^2 \, \sqrt{\mathbf{a} + \mathbf{b} \operatorname{Tanh}[\mathbf{x}]^2}} \right]$$

$$\left\{ \operatorname{Sech}[\mathbf{x}]^2 \left( \frac{\sqrt{2} \, \sqrt{\mathbf{a}} \, \mathbf{b} \, \left( 7 \, \mathbf{a}^2 - 2 \, \mathbf{a} \, \mathbf{b} - 3 \, \mathbf{b}^2 + \left( 7 \, \mathbf{a}^2 + 10 \, \mathbf{a} \, \mathbf{b} + 3 \, \mathbf{b}^2 \right) \operatorname{Cosh}[2 \, \mathbf{x}]} \right) - \frac{1}{(\mathbf{a} + \mathbf{b})^{5/2}} \mathbf{3} \, \left( \mathbf{a} - \mathbf{b} + (\mathbf{a} + \mathbf{b}) \, \operatorname{Cosh}[2 \, \mathbf{x}] \right)^{3/2} \right\}$$

$$\left( (\mathbf{a} + \mathbf{b})^{5/2} \operatorname{ArcTanh} \left[ \frac{\sqrt{2} \, \sqrt{\mathbf{a}} \, \operatorname{Cosh}[\mathbf{x}]}{\sqrt{\mathbf{a} - \mathbf{b} + (\mathbf{a} + \mathbf{b}) \, \operatorname{Cosh}[2 \, \mathbf{x}]}} \right] - \mathbf{a}^{5/2} \operatorname{Log} \left[ \sqrt{2} \, \sqrt{\mathbf{a} + \mathbf{b}} \, \operatorname{Cosh}[\mathbf{x}] + \sqrt{\mathbf{a} - \mathbf{b} + (\mathbf{a} + \mathbf{b}) \, \operatorname{Cosh}[2 \, \mathbf{x}]}} \right] \right\} \operatorname{Sech}[\mathbf{x}] \right\}$$

$$\left( \mathbf{3} \, \mathbf{a}^{5/2} \, \left( (\mathbf{a} - \mathbf{b} + (\mathbf{a} + \mathbf{b}) \, \operatorname{Cosh}[2 \, \mathbf{x}]} \right) \operatorname{Sech}[\mathbf{x}]^2 \right)^{3/2} \right)$$

$$\begin{split} & \left\{ \frac{\text{Coth}[\mathbf{x}]^3}{\sqrt{a + b \, \text{Coth}[\mathbf{x}]^2}}, \, \mathbf{x}, \, 6, \, 0 \right\} \\ & \frac{\text{ArcTanh}\left[\frac{\sqrt{a + b \, \text{Coth}[\mathbf{x}]^2}}{\sqrt{a + b}}\right]}{\sqrt{a + b}} - \frac{\sqrt{a + b \, \text{Coth}[\mathbf{x}]^2}}{b} \end{split}$$

$$\frac{1}{2} \sqrt{\left(-a+b+(a+b) \; Cosh[2\,x] \right) \; Csch[x]^2} \left[ -\frac{\sqrt{2}}{b} + \frac{2 \, ArcTanh \Big[ \frac{\sqrt{2} \; \sqrt{a+b} \; Sinh[x]}{\sqrt{-a+b+(a+b)} \; Cosh[2\,x]} \Big] \; Sinh[x]}{\sqrt{a+b} \; \sqrt{-a+b+(a+b)} \; Cosh[2\,x]} \right]$$

Valid but unnecessarily complicated antiderivative:

$$\left\{ \frac{ \operatorname{Coth}[x]^2}{\sqrt{a + b \operatorname{Coth}[x]^2}}, \ x, \ 5, \ 0 \right\}$$

$$\frac{ \operatorname{ArcTanh}\left[ \frac{\sqrt{b \operatorname{Coth}[x]}}{\sqrt{a + b \operatorname{Coth}[x]^2}} \right]}{\sqrt{b}} + \frac{ \operatorname{ArcTanh}\left[ \frac{\sqrt{a + b \operatorname{Coth}[x]}}{\sqrt{a + b \operatorname{Coth}[x]^2}} \right]}{\sqrt{a + b}}$$

$$\left[ \sqrt{-a + b + (a + b) \operatorname{Cosh}[2 x]} \operatorname{Csch}[x] \right]$$

$$\left[ -\sqrt{a + b \operatorname{ArcTanh}\left[ \frac{\sqrt{2} \sqrt{b} \operatorname{Cosh}[x]}{\sqrt{-a + b + (a + b) \operatorname{Cosh}[2 x]}} \right] + \sqrt{b} \operatorname{Log}\left[ \sqrt{2} \sqrt{a + b \operatorname{Cosh}[x]} + \sqrt{-a + b + (a + b) \operatorname{Cosh}[2 x]} \right] \right] \right]$$

$$\left( \sqrt{b} \sqrt{a + b} \sqrt{(-a + b + (a + b) \operatorname{Cosh}[2 x]) \operatorname{Csch}[x]^2} \right)$$

Valid but unnecessarily complicated antiderivative:

$$\begin{split} & \left\{ \frac{\text{Coth}[\mathbf{x}]}{\sqrt{\mathtt{a} + \mathtt{b} \, \text{Coth}[\mathbf{x}]^2}} \,, \, \, \mathbf{x}, \, \, \mathbf{3}, \, \, \mathbf{0} \right\} \\ & \frac{\text{ArcTanh}\Big[\frac{\sqrt{\mathtt{a} + \mathtt{b} \, \text{Coth}[\mathbf{x}]^2}}{\sqrt{\mathtt{a} + \mathtt{b}}}\Big]}{\sqrt{\mathtt{a} + \mathtt{b}}} \\ & \frac{\text{ArcTanh}\Big[\frac{\sqrt{2} \, \sqrt{\mathtt{a} + \mathtt{b}} \, \, \text{sinh}[\mathbf{x}]}{\sqrt{-\mathtt{a} + \mathtt{b} + (\mathtt{a} + \mathtt{b}) \, \, \text{Cosh}[\mathbf{2} \, \mathbf{x}]}} \, \Big] \, \sqrt{-\mathtt{a} + \mathtt{b} + (\mathtt{a} + \mathtt{b}) \, \, \text{Cosh}[\mathbf{2} \, \mathbf{x}]} \, \, \, \text{Csch}[\mathbf{x}]} \\ & \frac{\sqrt{\mathtt{a} + \mathtt{b}} \, \sqrt{\left(-\mathtt{a} + \mathtt{b} + (\mathtt{a} + \mathtt{b}) \, \, \text{Cosh}[\mathbf{2} \, \mathbf{x}]\right) \, \, \text{Csch}[\mathbf{x}]^2}} \end{split}$$

Valid but unnecessarily complicated antiderivative:

$$\left\{ \frac{ \operatorname{Tanh}[x]}{\sqrt{a + b \operatorname{Coth}[x]^2}}, \ x, \ 7, \ 0 \right\}$$

$$- \frac{\operatorname{ArcTanh}\left[\frac{\sqrt{a + b \operatorname{Coth}[x]^2}}{\sqrt{a}}\right]}{\sqrt{a}} + \frac{\operatorname{ArcTanh}\left[\frac{\sqrt{a + b \operatorname{Coth}[x]^2}}{\sqrt{a + b}}\right]}{\sqrt{a + b}}$$

$$\left[ -\sqrt{a + b} \ \operatorname{ArcTan}\left[\frac{\sqrt{2} \ \sqrt{-a} \ \operatorname{Sinh}[x]}{\sqrt{-a + b + (a + b) \ \operatorname{Cosh}[2\,x]}} \right] + \sqrt{-a} \ \operatorname{ArcTanh}\left[\frac{\sqrt{2} \ \sqrt{a + b} \ \operatorname{Sinh}[x]}}{\sqrt{-a + b + (a + b) \ \operatorname{Cosh}[2\,x]}} \right] \right) \sqrt{-a + b + (a + b) \ \operatorname{Cosh}[2\,x]} \ \operatorname{Csch}[x]$$

$$\left\{\frac{\mathrm{Tanh}[\mathbf{x}]^{2}}{\sqrt{\mathrm{a}+\mathrm{b}\,\mathrm{Coth}[\mathbf{x}]^{2}}},\,\mathbf{x},\,5,\,0\right\}$$

$$\frac{\text{ArcTanh}\left[\frac{\sqrt{a+b\ \text{Coth}[x]}^2}{\sqrt{a+b}\ \text{Coth}[x]^2}\right]}{\sqrt{a+b}} - \frac{\sqrt{a+b\ \text{Coth}[x]^2}\ \text{Tanh}[x]}{a}$$

$$\left(\left(\sqrt{2}\ a\ \text{ArcTanh}\left[\frac{\sqrt{2}\ \sqrt{a+b}\ \text{Cosh}[x]}{\sqrt{-a+b+(a+b)\ \text{Cosh}[2\,x]}}\right] \text{Cosh}[x] - \sqrt{a+b}\ \sqrt{-a+b+(a+b)\ \text{Cosh}[2\,x]}\right)\right)$$

$$\sqrt{(-a+b+(a+b)\ \text{Cosh}[2\,x])\ \text{Csch}[x]^2}\ \text{Tanh}[x]$$

Valid but unnecessarily complicated antiderivative:

$$\left\{ \text{Coth}[\mathbf{x}] \ \sqrt{\mathbf{a} + \mathbf{b} \ \text{Coth}[\mathbf{x}]^2} \ , \ \mathbf{x}, \ \mathbf{4}, \ \mathbf{0} \right\}$$

$$\sqrt{\mathbf{a} + \mathbf{b}} \ \text{ArcTanh} \left[ \frac{\sqrt{\mathbf{a} + \mathbf{b} \ \text{Coth}[\mathbf{x}]^2}}{\sqrt{\mathbf{a} + \mathbf{b}}} \right] - \sqrt{\mathbf{a} + \mathbf{b} \ \text{Coth}[\mathbf{x}]^2}$$

$$- \frac{\text{Csch}[\mathbf{x}]^2 \left( \sqrt{2} \ \left( -\mathbf{a} + \mathbf{b} + \left( \mathbf{a} + \mathbf{b} \right) \ \text{Cosh}[\mathbf{2} \ \mathbf{x}] \right) - 2 \sqrt{\mathbf{a} + \mathbf{b}} \ \text{ArcTanh} \left[ \frac{\sqrt{2} \ \sqrt{\mathbf{a} + \mathbf{b}} \ \text{Sinh}[\mathbf{x}]}}{\sqrt{-\mathbf{a} + \mathbf{b} + \left( \mathbf{a} + \mathbf{b} \right) \ \text{Cosh}[\mathbf{2} \ \mathbf{x}]}} \right] \sqrt{-\mathbf{a} + \mathbf{b} + \left( \mathbf{a} + \mathbf{b} \right) \ \text{Cosh}[\mathbf{2} \ \mathbf{x}]} \ \text{Sinh}[\mathbf{x}] }$$

$$- \frac{2 \sqrt{\left( -\mathbf{a} + \mathbf{b} + \left( \mathbf{a} + \mathbf{b} \right) \ \text{Cosh}[\mathbf{2} \ \mathbf{x}] \right) \ \text{Csch}[\mathbf{x}]^2}}{2 \sqrt{\left( -\mathbf{a} + \mathbf{b} + \left( \mathbf{a} + \mathbf{b} \right) \ \text{Cosh}[\mathbf{2} \ \mathbf{x}] \right) \ \text{Csch}[\mathbf{x}]^2}}$$

Valid but unnecessarily complicated antiderivative:

$$\left\{ \sqrt{a + b \operatorname{Coth}[\mathbf{x}]^2} \ \operatorname{Tanh}[\mathbf{x}], \ \mathbf{x}, \ 7, \ 0 \right\}$$

$$-\sqrt{a} \operatorname{ArcTanh}\left[\frac{\sqrt{a + b \operatorname{Coth}[\mathbf{x}]^2}}{\sqrt{a}}\right] + \sqrt{a + b} \operatorname{ArcTanh}\left[\frac{\sqrt{a + b \operatorname{Coth}[\mathbf{x}]^2}}{\sqrt{a + b}}\right]$$

$$\left[\frac{\sqrt{-a} \operatorname{ArcTanh}\left[\frac{\sqrt{2} \sqrt{-a} \operatorname{Sinh}[\mathbf{x}]}{\sqrt{-a + b + (a + b) \operatorname{Cosh}[2 \mathbf{x}]}}\right] \sqrt{-a + b + (a + b) \operatorname{Cosh}[2 \mathbf{x}]} + \sqrt{b} \sqrt{a + b} \operatorname{ArcSinh}\left[\frac{\sqrt{a + b} \operatorname{Sinh}[\mathbf{x}]}{\sqrt{b}}\right] \sqrt{\frac{-a + b + (a + b) \operatorname{Cosh}[2 \mathbf{x}]}{b}} \right] \operatorname{Csch}[\mathbf{x}] }{\sqrt{(-a + b + (a + b) \operatorname{Cosh}[2 \mathbf{x}]) \operatorname{Csch}[\mathbf{x}]^2}}$$

Valid but unnecessarily complicated antiderivative:

$$\begin{split} & \left\{ \text{Coth}[\mathbf{x}] \; \left( \mathbf{a} + \mathbf{b} \, \text{Coth}[\mathbf{x}]^2 \right)^{3/2}, \; \mathbf{x}, \; 6, \; 0 \right\} \\ & \left( \mathbf{a} + \mathbf{b} \right)^{3/2} \, \text{ArcTanh} \Big[ \frac{\sqrt{\mathbf{a} + \mathbf{b} \, \text{Coth}[\mathbf{x}]^2}}{\sqrt{\mathbf{a} + \mathbf{b}}} \Big] - (\mathbf{a} + \mathbf{b}) \; \sqrt{\mathbf{a} + \mathbf{b} \, \text{Coth}[\mathbf{x}]^2} - \frac{1}{3} \; \left( \mathbf{a} + \mathbf{b} \, \text{Coth}[\mathbf{x}]^2 \right)^{3/2} \\ & \left( \mathbf{a} + \mathbf{b} \right)^{3/2} \, \text{ArcTanh} \Big[ \frac{\sqrt{2} \; \sqrt{\mathbf{a} + \mathbf{b}} \; \text{Sinh}[\mathbf{x}]}{\sqrt{-\mathbf{a} + \mathbf{b} + (\mathbf{a} + \mathbf{b}) \; \text{Cosh}[2 \, \mathbf{x}]}} \Big] \; \sqrt{-\mathbf{a} + \mathbf{b} + \; (\mathbf{a} + \mathbf{b}) \; \text{Cosh}[2 \, \mathbf{x}]} \; \, \text{Csch}[\mathbf{x}] \\ & \sqrt{\left( -\mathbf{a} + \mathbf{b} + \; (\mathbf{a} + \mathbf{b}) \; \text{Cosh}[2 \, \mathbf{x}] \right) \; \text{Csch}[\mathbf{x}]^2}} \; \\ & \frac{\sqrt{\left( -\mathbf{a} + \mathbf{b} + \; (\mathbf{a} + \mathbf{b}) \; \text{Cosh}[2 \, \mathbf{x}] \right) \; \text{Csch}[\mathbf{x}]^2}}}{3 \; \sqrt{2}} \end{split}$$

Incorrect antiderivative:

$$\left\{ \left( a + b \operatorname{Coth}[\mathbf{x}]^2 \right)^{3/2} \operatorname{Tanh}[\mathbf{x}], \mathbf{x}, 8, 0 \right\}$$

$$-a^{3/2} \operatorname{ArcTanh}\left[ \frac{\sqrt{a + b \operatorname{Coth}[\mathbf{x}]^2}}{\sqrt{a}} \right] + (a + b)^{3/2} \operatorname{ArcTanh}\left[ \frac{\sqrt{a + b \operatorname{Coth}[\mathbf{x}]^2}}{\sqrt{a + b}} \right] - b \sqrt{a + b \operatorname{Coth}[\mathbf{x}]^2}$$

$$\begin{array}{l} -b\sqrt{\frac{-a+b+a\, Cosh[2\,x]}{-1+Cosh[2\,x]}} = \frac{1}{2} \left[ \left[ \left[ \left( -3\,a^2 + 2\,a\,b + b^2 \right) \left( 1+Cosh[x] \right) \sqrt{\frac{-1+Cosh[x]}{(1+Cosh[x])^2}} \right] \\ -b\sqrt{\frac{-a+b+(a+b)\, Cosh[2\,x]}{1+Cosh[2\,x]}} \left[ \frac{1}{x^2 + b^2 + 2\sqrt{a\,(a+b)}} \right] \left[ \frac{b}{x^2 + b^2 + 2\sqrt{a\,(a+b)}} \right] \\ -2\,x \, \text{Illiption2} \left[ \frac{2\,a+b+2\sqrt{a\,(a+b)}}{b} \right] \left[ \frac{b}{x^2 + b^2 + 2\sqrt{a\,(a+b)}} \right] \\ -2\,x \, \text{Illiption2} \left[ \frac{2\,a+b+2\sqrt{a\,(a+b)}}{b} \right] \left[ \frac{b}{x^2 + b^2 + 2\sqrt{a\,(a+b)}} \right] \\ -2\,x \, \text{Illiption2} \left[ \frac{2\,a+b+2\sqrt{a\,(a+b)}}{2\,a+b+2\sqrt{a\,(a+b)}} \right] \left[ \frac{b}{x^2 + b^2 + 2\sqrt{a\,(a+b)}} \right] \\ -2\,x \, \text{Illiption2} \left[ \frac{x^2}{2\,a+b+2\sqrt{a\,(a+b)}} \right] \left[ \frac{b}{x^2 + b^2 + 2\sqrt{a\,(a+b)}} \right] \\ -2\,x \, \text{Illiption2} \left[ \frac{x^2}{2\,a+b+2\sqrt{a\,(a+b)}} \right] \left[ \frac{b}{x^2 + b^2 + 2\sqrt{a\,(a+b)}} \right] \\ -2\,x \, \text{Illiption2} \left[ \frac{x^2}{2\,a+b+2\sqrt{a\,(a+b)}} \right] \left[ \frac{b}{x^2 + b^2 + 2\sqrt{a\,(a+b)}} \right] \\ -2\,x \, \text{Illiption2} \left[ \frac{a}{x^2 + 2\,a\,b + b^2} \right] \sqrt{-1+Cosh[2\,x]} \\ -2\,x \, \text{Illiption2} \left[ \frac{a}{x^2 + 2\,a\,(a+b)} \right] \left[ \frac{a}{x^2 + 2\,a\,(a+b)} \right] \\ -2\,x \, \text{Illiption2} \left[ \frac{a}{x^2 + 2\,a\,(a+b)} \right] \left[ \frac{a}{x^2 + 2\,a\,(a+b)} \right] \\ -2\,x \, \text{Illiption2} \left[ \frac{a}{x^2 + 2\,a\,(a+b)} \right] \left[ \frac{b}{x^2 + 2\sqrt{a\,(a+b)}} \right] \\ -2\,x \, \text{Illiption2} \left[ \frac{x^2}{x^2 + 2\sqrt{a\,(a+b)}} \right] \left[ \frac{a}{x^2 + 2\,a\,(a+b)} \right] \\ -2\,x \, \text{Illiption2} \left[ \frac{x^2}{x^2 + 2\sqrt{a\,(a+b)}} \right] \left[ \frac{a}{x^2 + 2\sqrt{a\,(a+b)}} \right] \\ -2\,x \, \text{Illiption2} \left[ \frac{x^2}{x^2 + 2\sqrt{a\,(a+b)}} \right] \left[ \frac{x^2}{x^2 + 2\sqrt{a\,(a+b)}} \right] \\ -2\,x \, \text{Illiption2} \left[ \frac{x^2}{x^2 + 2\sqrt{a\,(a+b)}} \right] \left[ \frac{x^2}{x^2 + 2\sqrt{a\,(a+b)}} \right] \\ -2\,x \, \text{Illiption2} \left[ \frac{x^2}{x^2 + 2\sqrt{a\,(a+b)}} \right] \left[ \frac{x^2}{x^2 + 2\sqrt{a\,(a+b)}} \right] \\ -2\,x \, \text{Illiption2} \left[ \frac{x^2}{x^2 + 2\sqrt{a\,(a+b)}} \right] \\ -2\,x \, \text{Illiption2} \left[ \frac{x^2}{x^2 + 2\sqrt{a\,(a+b)}} \right] \left[ \frac{x^2}{x^2 + 2\sqrt{a\,(a+b)}} \right] \\ -2\,x \, \text{Illiption2} \left[ \frac{x^2}{x^2 + 2\sqrt{a\,(a+b)}} \right] \\ -2\,x \, \text{Illiption2} \left[ \frac{x^2}{x^2 + 2\sqrt{a\,(a+b)}} \right] \\ -2\,x \, \text{Illiption2} \left[ \frac{x^2}{x^2 + 2\sqrt{a\,(a+b)}} \right] \\ -2\,x \, \text{Illiption2} \left[ \frac{x^2}{x^2 + 2\sqrt{a\,(a+b)}} \right] \\ -2\,x \, \text{Illiption2} \left[ \frac{x^2}{x^2 + 2\sqrt{a\,(a+b)}} \right] \\ -2\,x \, \text{Illiption2} \left[ \frac{x^2}{x^2 + 2\sqrt{a\,(a+b)}} \right] \\ -2\,x \, \text{Illiptio$$

$$\left\{ \frac{ \left( \text{Coth}[x]^2 \right)^{3/2} }{ \left( a + b \, \text{Coth}[x]^2 \right)^{3/2} }, \, x, \, 7, \, 0 \right\}$$
 
$$\frac{ \text{ArcTanh} \left[ \frac{\sqrt{a+b} \, \text{Coth}[x]^2}{\sqrt{a+b} \, \text{Coth}[x]^2} \right] }{ \left( a + b \right)^{3/2} } - \frac{ \text{Coth}[x] }{ \left( a + b \right) \, \sqrt{a+b} \, \text{Coth}[x]^2}$$
 
$$\left( \left| -2 \, \sqrt{a+b} \, \, \text{Cosh}[x] \, \sqrt{-a+b+(a+b)} \, \, \text{Cosh}[2\,x]} + \sqrt{2} \, \, \text{ArcTanh} \left[ \frac{\sqrt{2} \, \sqrt{a+b} \, \, \text{Cosh}[x]}{\sqrt{-a+b+(a+b)} \, \, \text{Cosh}[2\,x]} \right] \right) \left( -a+b+(a+b) \, \, \text{Cosh}[2\,x] \right)$$
 
$$\sqrt{ \left( -a+b+(a+b) \, \, \text{Cosh}[2\,x] \right) \, \, \text{Csch}[x]^2 \, \, \text{Sinh}[x] } \right) / \left( \sqrt{2} \, \, \left( a+b \right)^{3/2} \, \left( -a+b+(a+b) \, \, \text{Cosh}[2\,x] \right)^{3/2} \right)$$

Valid but unnecessarily complicated antiderivative:

$$\left\{ \frac{ \text{Coth}[x]}{ \left( a + b \, \text{Coth}[x]^2 \right)^{3/2}}, \, x, \, 4, \, 0 \right\}$$

$$\frac{ \text{ArcTanh} \left[ \frac{\sqrt{a + b \, \text{Coth}[x]^2}}{\sqrt{a + b}} \right]}{ \left( a + b \right)^{3/2}} - \frac{1}{ \left( a + b \right) \, \sqrt{a + b \, \text{Coth}[x]^2}}$$

$$- \sqrt{2} \, \sqrt{a + b} + \text{ArcTanh} \left[ \frac{\sqrt{2} \, \sqrt{a + b} \, \, \text{Sinh}[x]}}{\sqrt{-a + b + (a + b) \, \, \text{Cosh}[2 \, x]}} \right] \sqrt{-a + b + (a + b) \, \, \text{Cosh}[2 \, x]} \, \text{Csch}[x]$$

$$\frac{ \left( a + b \right)^{3/2} \sqrt{\left( -a + b + (a + b) \, \, \text{Cosh}[2 \, x] \right) \, \, \text{Csch}[x]^2} }{ \left( a + b \right)^{3/2} \sqrt{\left( -a + b + (a + b) \, \, \text{Cosh}[2 \, x] \right) \, \, \text{Csch}[x]^2} }$$

Valid but unnecessarily complicated antiderivative:

$$\left\{ \frac{\text{Tanh}[x]}{\left(a + b \, \text{Coth}[x]^2\right)^{3/2}}, \, x, \, 8, \, 0 \right\}$$

$$- \frac{\text{ArcTanh}\left[\frac{\sqrt{a + b \, \text{Coth}[x]^2}}{\sqrt{a}}\right]}{a^{3/2}} + \frac{\text{ArcTanh}\left[\frac{\sqrt{a + b \, \text{Coth}[x]^2}}{\sqrt{a + b}}\right]}{(a + b)^{3/2}} + \frac{b}{a \, (a + b) \, \sqrt{a + b \, \text{Coth}[x]^2}}$$

$$- \frac{\sqrt{2 \, b}}{a \, (a + b)} + \frac{\left[\frac{(a + b)^{3/2} \, \text{ArcTan}\left[\frac{\sqrt{2} \, \sqrt{-a} \, \sinh[x]}{\sqrt{-a + b + (a + b) \, \text{Cosh}[2x]}}\right] + (-a)^{3/2} \, \text{ArcTanh}\left[\frac{\sqrt{2} \, \sqrt{a + b} \, \sinh[x]}{\sqrt{-a + b + (a + b) \, \text{Cosh}[2x]}}\right]\right] \sqrt{-a + b + (a + b) \, \text{Cosh}[2x]}}$$

$$- \frac{\sqrt{(-a + b + (a + b) \, \text{Cosh}[2x])} \, \text{Csch}[x]^2}{\sqrt{(-a + b + (a + b) \, \text{Cosh}[2x])} \, \text{Csch}[x]^2}}$$

$$\left\{\frac{\text{Coth}[x]}{\sqrt{\text{a} + \text{b} \text{Sinh}[x]}}, x, 2, 0\right\}$$
$$-\frac{2 \operatorname{ArcTanh}\left[\frac{\sqrt{\text{a} + \text{b} \text{Sinh}[x]}}{\sqrt{\text{a}}}\right]}{\sqrt{\text{a}}}$$

$$-\frac{2\sqrt{b} \operatorname{ArcSinh}\left[\frac{\sqrt{a}\sqrt{\operatorname{Csch}[\mathtt{x}]}}{\sqrt{b}}\right]\sqrt{1+\frac{a\operatorname{Csch}[\mathtt{x}]}{b}}}{\sqrt{a}\sqrt{\operatorname{Csch}[\mathtt{x}]}\sqrt{a+b\operatorname{Sinh}[\mathtt{x}]}}$$

Valid but unnecessarily complicated antiderivative:

$$\begin{split} & \left\{ \frac{\text{Coth}[\mathbf{x}]}{\sqrt{\texttt{a} + \texttt{b} \, \text{Sinh}[\mathbf{x}]^3}} \,,\,\, \mathbf{x},\,\, \mathbf{2}\,,\,\, \mathbf{0} \right\} \\ & - \frac{2 \, \text{ArcTanh} \Big[ \frac{\sqrt{\texttt{a} + \texttt{b} \, \text{Sinh}[\mathbf{x}]^3}}{\sqrt{\texttt{a}}} \Big]}{3 \, \sqrt{\texttt{a}}} \\ & - \frac{2 \, \sqrt{\texttt{b}} \, \, \text{ArcSinh} \Big[ \frac{\sqrt{\texttt{a} \, \, \, \text{Csch}[\mathbf{x}]^{3/2}}}{\sqrt{\texttt{b}}} \Big] \, \sqrt{1 + \frac{\texttt{a} \, \, \text{Csch}[\mathbf{x}]^3}{\texttt{b}}} \\ & - \frac{3 \, \sqrt{\texttt{a}} \, \, \, \text{Csch}[\mathbf{x}]^{3/2} \, \sqrt{\texttt{a} + \texttt{b} \, \text{Sinh}[\mathbf{x}]^3}} \end{split}$$

Valid but unnecessarily complicated antiderivative:

$$\left\{ \frac{ \operatorname{Coth}[\mathtt{x}] }{ \sqrt{\mathtt{a} + \mathtt{b} \operatorname{Sinh}[\mathtt{x}]^4}}, \ \mathtt{x, 2, 0} \right\}$$

$$- \frac{ \operatorname{ArcTanh} \left[ \frac{ \sqrt{\mathtt{a} + \mathtt{b} \operatorname{Sinh}[\mathtt{x}]^4}}{ \sqrt{\mathtt{a}}} \right] }{ 2 \sqrt{\mathtt{a}}}$$

$$- \frac{ \sqrt{\mathtt{b}} \operatorname{ArcSinh} \left[ \frac{ \sqrt{\mathtt{a} \cdot \operatorname{Csch}[\mathtt{x}]^2}}{ \sqrt{\mathtt{b}}} \right] \sqrt{1 + \frac{\mathtt{a} \cdot \operatorname{Csch}[\mathtt{x}]^4}{\mathtt{b}}} \operatorname{Sinh}[\mathtt{x}]^2}{ 2 \sqrt{\mathtt{a}} \sqrt{\mathtt{a} + \mathtt{b} \operatorname{Sinh}[\mathtt{x}]^4}}$$

Valid but unnecessarily complicated antiderivative:

$$\left\{ \text{Coth}[\mathbf{x}] \ \sqrt{\mathbf{a} + \mathbf{b} \, \text{Sinh}[\mathbf{x}]} \ , \ \mathbf{x}, \ \mathbf{3}, \ \mathbf{0} \right\}$$

$$-2 \ \sqrt{\mathbf{a}} \ \text{ArcTanh} \left[ \frac{\sqrt{\mathbf{a} + \mathbf{b} \, \text{Sinh}[\mathbf{x}]}}{\sqrt{\mathbf{a}}} \right] + 2 \ \sqrt{\mathbf{a} + \mathbf{b} \, \text{Sinh}[\mathbf{x}]}$$

$$2 \left[ \mathbf{b} + \mathbf{a} \, \text{Csch}[\mathbf{x}] - \sqrt{\mathbf{a}} \ \sqrt{\mathbf{b}} \ \text{ArcSinh} \left[ \frac{\sqrt{\mathbf{a}} \ \sqrt{\text{Csch}[\mathbf{x}]}}{\sqrt{\mathbf{b}}} \right] \sqrt{\text{Csch}[\mathbf{x}]} \ \sqrt{1 + \frac{\mathbf{a} \, \text{Csch}[\mathbf{x}]}{\mathbf{b}}} \right] \sqrt{\mathbf{a} + \mathbf{b} \, \text{Sinh}[\mathbf{x}]}$$

$$\mathbf{b} + \mathbf{a} \, \text{Csch}[\mathbf{x}]$$

$$\begin{split} & \left\{ \frac{\text{Tanh}[\mathbf{x}]}{\sqrt{\mathtt{a} + \mathtt{b} \operatorname{Cosh}[\mathbf{x}]}}, \ \mathbf{x}, \ \mathbf{2}, \ \mathbf{0} \right\} \\ & - \frac{2 \operatorname{ArcTanh}\left[\frac{\sqrt{\mathtt{a} + \mathtt{b} \operatorname{Cosh}[\mathbf{x}]}}{\sqrt{\mathtt{a}}}\right]}{\sqrt{\mathtt{a}}} \\ & - \frac{2 \sqrt{\mathtt{b}} \operatorname{ArcSinh}\left[\frac{\sqrt{\mathtt{a}} \sqrt{\operatorname{Sech}[\mathbf{x}]}}{\sqrt{\mathtt{b}}}\right] \sqrt{1 + \frac{\mathtt{a} \operatorname{Sech}[\mathbf{x}]}{\mathtt{b}}}}{\sqrt{\mathtt{a}} \sqrt{\mathtt{a} + \mathtt{b} \operatorname{Cosh}[\mathbf{x}]} \sqrt{\operatorname{Sech}[\mathbf{x}]}} \end{split}$$

$$\left\{ \frac{\text{Tanh}[\mathbf{x}]}{\sqrt{\mathtt{a} + \mathtt{b} \, \mathsf{Cosh}[\mathbf{x}]^3}}, \, \mathbf{x}, \, \mathbf{2}, \, \mathbf{0} \right\}$$

$$\frac{2 \, \mathsf{ArcTanh} \left[ \frac{\sqrt{\mathtt{a} + \mathtt{b} \, \mathsf{Cosh}[\mathbf{x}]^3}}{\sqrt{\mathtt{a}}} \right]}{3 \, \sqrt{\mathtt{a}}}$$

$$\frac{2 \, \sqrt{\mathtt{b}} \, \, \mathsf{ArcSinh} \left[ \frac{\sqrt{\mathtt{a}} \, \, \mathsf{Sech}[\mathbf{x}]^{3/2}}{\sqrt{\mathtt{b}}} \right] \, \sqrt{1 + \frac{\mathtt{a} \, \mathsf{Sech}[\mathbf{x}]^3}{\mathtt{b}}} }{3 \, \sqrt{\mathtt{a}} \, \, \sqrt{\mathtt{a} + \mathtt{b} \, \mathsf{Cosh}[\mathbf{x}]^3}} \, \, \mathsf{Sech}[\mathbf{x}]^{3/2}$$

Valid but unnecessarily complicated antiderivative:

Valid but unnecessarily complicated antiderivative:

$$\left\{ \sqrt{a + b \operatorname{Cosh}[\mathbf{x}]} \ \, \operatorname{Tanh}[\mathbf{x}] \, , \, \mathbf{x}, \, \mathbf{3}, \, \mathbf{0} \right\}$$

$$-2 \sqrt{a} \ \operatorname{ArcTanh}\left[ \frac{\sqrt{a + b \operatorname{Cosh}[\mathbf{x}]}}{\sqrt{a}} \right] + 2 \sqrt{a + b \operatorname{Cosh}[\mathbf{x}]}$$

$$2 \sqrt{a + b \operatorname{Cosh}[\mathbf{x}]} \left( b + a \operatorname{Sech}[\mathbf{x}] - \sqrt{a} \sqrt{b} \ \, \operatorname{ArcSinh}\left[ \frac{\sqrt{a} \sqrt{\operatorname{Sech}[\mathbf{x}]}}{\sqrt{b}} \right] \sqrt{\operatorname{Sech}[\mathbf{x}]} \sqrt{1 + \frac{a \operatorname{Sech}[\mathbf{x}]}{b}} \right)$$

$$b + a \operatorname{Sech}[\mathbf{x}]$$

Unable to integrate:

$$\left\{ \operatorname{Tanh}[x] \sqrt{a + b \operatorname{Tanh}[x]^4} \right\}, \ x, \ 8, \ 0 \right\}$$

$$-\sqrt{a + b} \operatorname{ArcTanh}\left[ \frac{\sqrt{b} \operatorname{Sech}[x]^2 - \sqrt{a + b \operatorname{Tanh}[x]^4}}{\sqrt{a + b}} \right] - \frac{1}{2} \sqrt{b} \operatorname{Log}\left[ \sqrt{b} \operatorname{Tanh}[x]^2 + \sqrt{a + b \operatorname{Tanh}[x]^4}} \right] + \frac{1}{4} \left( -\sqrt{b} \operatorname{Tanh}[x]^2 - \sqrt{a + b \operatorname{Tanh}[x]^4} \right) - \frac{a}{4 \left( \sqrt{b} \operatorname{Tanh}[x]^2 + \sqrt{a + b \operatorname{Tanh}[x]^4} \right)}$$

$$\int \operatorname{Tanh}[x] \sqrt{a + b \operatorname{Tanh}[x]^4} \ dx$$

Unable to integrate:

$$\left[\frac{\mathrm{Tanh}[x]}{\sqrt{a+b\,\mathrm{Tanh}[x]^4}}, x, 3, 0\right]$$

$$\frac{\text{ArcTanh}\left[\frac{a+b \, \text{Tanh}[x]^2}{\sqrt{a+b} \, \sqrt{a+b \, \text{Tanh}[x]^4}}\right]}{2 \, \sqrt{a+b}}$$

$$\int \frac{\text{Tanh}[x]}{\sqrt{a+b \, \text{Tanh}[x]^4}} \, dx$$

Timed out after 60 seconds:

$$\begin{split} &\left\{\frac{\text{Tanh}\left[\mathbf{x}\right]}{\left(a+b\,\text{Tanh}\left[\mathbf{x}\right]^4\right)^{3/2}},\,\,\mathbf{x},\,\,\mathbf{11},\,\,\mathbf{0}\right\} \\ &-\frac{\text{ArcTanh}\left[\frac{\sqrt{b}\,\,\operatorname{Sech}\left[\mathbf{x}\right]^2-\sqrt{a+b\,\text{Tanh}\left[\mathbf{x}\right]^4}}{\sqrt{a+b}}\right]}{\left(a+b\right)^{3/2}} \end{split} \right. \end{split}$$

$$\frac{\sqrt{b}}{\left(a+b\right) \left(a+\left(\sqrt{b} \ Tanh[x]^2+\sqrt{a+b} \ Tanh[x]^4\right)^2\right)} - \frac{\sqrt{b} \ Tanh[x]^2+\sqrt{a+b} \ Tanh[x]^4}{\left(a+b\right) \left(a+\left(\sqrt{b} \ Tanh[x]^2+\sqrt{a+b} \ Tanh[x]^4\right)^2\right)}$$

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Unable to integrate:

$$\left\{ \text{Coth}[\mathbf{x}] \ \sqrt{a + b \ \text{Coth}[\mathbf{x}]^4} \ , \ \mathbf{x}, \ 8, \ 0 \right\}$$

$$\sqrt{a + b} \ \text{ArcTanh} \left[ \frac{\sqrt{a + b \ \text{Coth}[\mathbf{x}]^4} + \sqrt{b} \ \text{Csch}[\mathbf{x}]^2}{\sqrt{a + b}} \right] + \frac{1}{4} \left( -\sqrt{b} \ \text{Coth}[\mathbf{x}]^2 - \sqrt{a + b \ \text{Coth}[\mathbf{x}]^4} \right) - \frac{a}{4} \left( \sqrt{b} \ \text{Coth}[\mathbf{x}]^2 + \sqrt{a + b \ \text{Coth}[\mathbf{x}]^4} \right)$$

$$\int \text{Coth}[\mathbf{x}] \ \sqrt{a + b \ \text{Coth}[\mathbf{x}]^4} \ d\mathbf{x}$$

Timed out after 60 seconds:

$$\begin{split} & \left\{ \frac{\text{Coth}[\mathbf{x}]}{\sqrt{\texttt{a} + \texttt{b}\, \text{Coth}[\mathbf{x}]^4}} \text{, } \mathbf{x} \text{, } \mathbf{3} \text{, } \mathbf{0} \right\} \\ & \frac{\text{ArcTanh}\left[ \frac{\texttt{a} + \texttt{b}\, \text{Coth}[\mathbf{x}]^2}{\sqrt{\texttt{a} + \texttt{b}}\, \sqrt{\texttt{a} + \texttt{b}\, \text{Coth}[\mathbf{x}]^4}} \right]}{2\, \sqrt{\texttt{a} + \texttt{b}}} \end{split}$$

???

Timed out after 60 seconds:

$$\Big\{\frac{\texttt{Coth}[\mathtt{x}]}{\left(\mathtt{a}+\mathtt{b}\,\texttt{Coth}[\mathtt{x}]^4\right)^{3/2}}\,,\,\,\mathtt{x,\,\,11,\,\,0}\Big\}$$

$$\frac{\text{ArcTanh}\left[\frac{\sqrt{a+b}\operatorname{Coth}[x]^{-4}+\sqrt{b}\operatorname{Coth}[x]^{-4}}{\sqrt{a+b}}\right]}{\left(a+b\right)^{3/2}} - \frac{\sqrt{b}\operatorname{Coth}[x]^{2}+\sqrt{a+b}\operatorname{Coth}[x]^{4}}{\left(a+b\right)\left(a+\left(\sqrt{b}\operatorname{Coth}[x]^{2}+\sqrt{a+b}\operatorname{Coth}[x]^{4}\right)^{2}\right)} - \frac{\left(a+b\right)\left(a+\left(\sqrt{b}\operatorname{Coth}[x]^{2}+\sqrt{a+b}\operatorname{Coth}[x]^{4}\right)^{2}\right)}{\left(a+b\right)\left(a+\left(\sqrt{b}\operatorname{Coth}[x]^{2}+\sqrt{a+b}\operatorname{Coth}[x]^{4}\right)^{2}\right)}$$

Valid but unnecessarily complicated antiderivative:

$$\begin{split} &\left\{\frac{A+B\,Sinh\left[\mathbf{x}\right]}{i-Sinh\left[\mathbf{x}\right]}\,,\,\,\mathbf{x},\,\,2\,,\,\,0\,\right\} \\ &-B\,\mathbf{x}+\frac{\left(A+i\,B\right)\,Cosh\left[\mathbf{x}\right]}{1+i\,\,Sinh\left[\mathbf{x}\right]} \\ &-\frac{\left(i\,Cosh\left[\frac{\mathbf{x}}{2}\right]-Sinh\left[\frac{\mathbf{x}}{2}\right]\right)\,\left(B\,\mathbf{x}\,Cosh\left[\frac{\mathbf{x}}{2}\right]+i\,\,\left(2\,A+B\,\left(2\,i+\mathbf{x}\right)\right)\,Sinh\left[\frac{\mathbf{x}}{2}\right]\right)}{-i\,+\,Sinh\left[\mathbf{x}\right]} \end{split}$$

Valid but unnecessarily complicated antiderivative:

$$\begin{split} &\left\{\frac{\mathtt{A} + \mathtt{B} \operatorname{Cosh}[\mathtt{x}]}{\mathtt{i} - \operatorname{Sinh}[\mathtt{x}]}, \ \mathtt{x}, \ \mathtt{5}, \ \mathtt{0}\right\} \\ &- \mathtt{B} \operatorname{Log}[\mathtt{i} - \operatorname{Sinh}[\mathtt{x}]] + \frac{\mathtt{A} \operatorname{Cosh}[\mathtt{x}]}{1 + \mathtt{i} \operatorname{Sinh}[\mathtt{x}]} \\ &- \frac{1}{-\mathtt{i} + \operatorname{Sinh}[\mathtt{x}]} \left( \operatorname{Cosh}\left[\frac{\mathtt{x}}{2}\right] + \mathtt{i} \operatorname{Sinh}\left[\frac{\mathtt{x}}{2}\right] \right) \\ &- \left( \mathtt{B} \operatorname{Cosh}\left[\frac{\mathtt{x}}{2}\right] \left( 2 \operatorname{ArcTan}\left[\operatorname{Tanh}\left[\frac{\mathtt{x}}{2}\right]\right] - \mathtt{i} \operatorname{Log}[\operatorname{Cosh}[\mathtt{x}]] \right) + \left( 2 \operatorname{A} + 2 \mathtt{i} \operatorname{B} \operatorname{ArcTan}\left[\operatorname{Tanh}\left[\frac{\mathtt{x}}{2}\right]\right] + \operatorname{B} \operatorname{Log}[\operatorname{Cosh}[\mathtt{x}]] \right) \operatorname{Sinh}\left[\frac{\mathtt{x}}{2}\right] \right) \end{split}$$

Valid but unnecessarily complicated antiderivative:

$$\left\{ \left( a \operatorname{Cosh}[\mathbf{x}] + b \operatorname{Sinh}[\mathbf{x}] \right)^{5}, \ \mathbf{x}, \ 3, \ 0 \right\}$$

$$\left( a^{2} - b^{2} \right)^{2} \left( b \operatorname{Cosh}[\mathbf{x}] + a \operatorname{Sinh}[\mathbf{x}] \right) + \frac{2}{3} \left( a^{2} - b^{2} \right) \left( b \operatorname{Cosh}[\mathbf{x}] + a \operatorname{Sinh}[\mathbf{x}] \right)^{3} + \frac{1}{5} \left( b \operatorname{Cosh}[\mathbf{x}] + a \operatorname{Sinh}[\mathbf{x}] \right)^{5}$$

$$\frac{1}{240} \left( 150 \ b \left( a^{2} - b^{2} \right)^{2} \operatorname{Cosh}[\mathbf{x}] - 25 \ b \left( -3 \ a^{4} + 2 \ a^{2} \ b^{2} + b^{4} \right) \operatorname{Cosh}[3 \ \mathbf{x}] + 3 \ b \left( 5 \ a^{4} + 10 \ a^{2} \ b^{2} + b^{4} \right) \operatorname{Cosh}[5 \ \mathbf{x}] + 10 \ a^{2} \ b^{2} + 2 \ b^{2} + 2$$

$$\left\{ \sqrt{a \operatorname{Cosh}[\mathtt{x}] + b \operatorname{Sinh}[\mathtt{x}]} , \mathtt{x}, \mathtt{1}, \mathtt{0} \right\}$$
 
$$2 \operatorname{i} \operatorname{EllipticE}\left[\frac{1}{4} \left(\pi - 2 \operatorname{i} \left(\mathtt{x} + \operatorname{i} \operatorname{ArcTan}[\operatorname{i} b, \mathtt{a}]\right)\right), \mathtt{2}\right] \sqrt{a \operatorname{Cosh}[\mathtt{x}] + b \operatorname{Sinh}[\mathtt{x}]}$$
 
$$\sqrt{-\frac{a \operatorname{Cosh}[\mathtt{x}] + b \operatorname{Sinh}[\mathtt{x}]}{\sqrt{a^2 - b^2}}}$$

$$\left( b \left( -a^2 + b^2 \right) \text{ HypergeometricPFQ} \left[ \left\{ -\frac{1}{2}, -\frac{1}{4} \right\}, \left\{ \frac{3}{4} \right\}, \text{ Cosh} \left[ x + \text{ArcTanh} \left[ \frac{b}{a} \right] \right]^2 \right] \text{ Sinh} \left[ x + \text{ArcTanh} \left[ \frac{b}{a} \right] \right] + \\ \sqrt{-\text{Sinh} \left[ x + \text{ArcTanh} \left[ \frac{b}{a} \right] \right]^2} \left( 2 \, a^3 \, \sqrt{1 - \frac{b^2}{a^2}} \, \text{ Cosh} \left[ x \right] - 2 \, a \left( a^2 - b^2 \right) \, \text{Cosh} \left[ x + \text{ArcTanh} \left[ \frac{b}{a} \right] \right] + \\ 2 \, a^2 \, b \, \sqrt{1 - \frac{b^2}{a^2}} \, \text{ Sinh} \left[ x \right] + a^2 \, b \, \text{Sinh} \left[ x + \text{ArcTanh} \left[ \frac{b}{a} \right] \right] - b^3 \, \text{Sinh} \left[ x + \text{ArcTanh} \left[ \frac{b}{a} \right] \right] \right)$$
 
$$\left( a \, b \, \sqrt{1 - \frac{b^2}{a^2}} \, \sqrt{a \, \text{Cosh} \left[ x \right] + b \, \text{Sinh} \left[ x \right]} \, \sqrt{-\text{Sinh} \left[ x + \text{ArcTanh} \left[ \frac{b}{a} \right] \right]^2} \right)$$

$$\{(a \, Cosh[x] + b \, Sinh[x])^{3/2}, x, 2, 0\}$$

$$\frac{2}{3} (b \cosh[x] + a \sinh[x]) \sqrt{a \cosh[x] + b \sinh[x]} +$$

$$\frac{2 \text{ i } \left(\text{a}^2-\text{b}^2\right) \text{ EllipticF}\!\left[\frac{1}{4} \left(\pi-2 \text{ i } \left(\text{x}+\text{i ArcTan[i b, a]}\right)\right), 2\right] \sqrt{-\frac{\text{a } \text{Cosh}\left[\text{x}\right]+\text{b Sinh}\left[\text{x}\right]}{\sqrt{\text{a}^2-\text{b}^2}}}}{3 \sqrt{\text{a } \text{Cosh}\left[\text{x}\right]+\text{b Sinh}\left[\text{x}\right]}}$$

$$\frac{1}{3\sqrt{1-\frac{a^2}{b^2}}} 2\sqrt{a \, Cosh[x] + b \, Sinh[x]}$$

$$\left( \left( a^2 - b^2 \right) \sqrt{ \text{Cosh} \left[ x + \text{ArcTanh} \left[ \frac{a}{b} \right] \right]^2 } \text{ HypergeometricPFQ} \left[ \left\{ \frac{1}{4}, \frac{1}{2} \right\}, \left\{ \frac{5}{4} \right\}, -\text{Sinh} \left[ x + \text{ArcTanh} \left[ \frac{a}{b} \right] \right]^2 \right] \\ \text{Sech} \left[ x + \text{ArcTanh} \left[ \frac{a}{b} \right] \right] + \frac{1}{2} \left[ \frac{a}{b} \right] + \frac{1}{2} \left[ \frac{a}{b} \right] \\ \text{Sech} \left[ x + \frac{a}{b} \right] \\ \text{Testing in the problem of the pr$$

$$\sqrt{1 - \frac{a^2}{b^2}} b (b Cosh[x] + a Sinh[x])$$

$$\{(a \, Cosh[x] + b \, Sinh[x])^{5/2}, x, 2, 0\}$$

$$\frac{2}{-} (b \operatorname{Cosh}[x] + a \operatorname{Sinh}[x]) (a \operatorname{Cosh}[x] + b \operatorname{Sinh}[x])^{3/2} +$$

$$\frac{6 \text{ i } \left(\text{a}^2-\text{b}^2\right) \text{ EllipticE}\left[\frac{1}{4} \left(\pi-2 \text{ i } \left(\text{x}+\text{ i } \operatorname{ArcTan}\left[\text{ i } \text{ b, a}\right]\right)\right), 2\right] \sqrt{\text{a } \operatorname{Cosh}\left[\text{x}\right]+\text{b } \operatorname{Sinh}\left[\text{x}\right]}}{5 \sqrt{-\frac{\text{a } \operatorname{Cosh}\left[\text{x}\right]+\text{b } \operatorname{Sinh}\left[\text{x}\right]}{\sqrt{\text{a}^2-\text{b}^2}}}}$$

$$\frac{1}{5 \ b \sqrt{a \ Cosh[x] + b \ Sinh[x]}} \left( (a \ Cosh[x] + b \ Sinh[x]) \ \left( 6 \ a \ \left( a^2 - b^2 \right) + 2 \ a \ b^2 \ Cosh[2 \ x] + b \ \left( a^2 + b^2 \right) \ Sinh[2 \ x] \right) - \frac{1}{a \sqrt{1 - \frac{b^2}{a^2}}} \sqrt{-Sinh[x + ArcTanh[\frac{b}{a}]]^2} \right)$$

$$3 \ (a - b)^2 \ (a + b)^2 \left( b \ Hypergeometric PFQ \left[ \left\{ -\frac{1}{2}, -\frac{1}{4} \right\}, \left\{ \frac{3}{4} \right\}, \ Cosh[x + ArcTanh[\frac{b}{a}]]^2 \right] \ Sinh[x + ArcTanh[\frac{b}{a}]] + \sqrt{-Sinh[x + ArcTanh[\frac{b}{a}]]^2} \left( 2 \ a \ Cosh[x + ArcTanh[\frac{b}{a}]] - b \ Sinh[x + ArcTanh[\frac{b}{a}]] \right) \right)$$

$$\left\{ \frac{1}{\sqrt{a \, \text{Cosh}[x] + b \, \text{Sinh}[x]}}, \, x, \, 1, \, 0 \right\}$$

$$2 \, i \, \text{EllipticF} \left[ \frac{1}{4} \, \left( \pi - 2 \, i \, \left( x + i \, \text{ArcTan}[i \, b, \, a] \right) \right), \, 2 \right] \sqrt{-\frac{a \, \text{Cosh}[x] + b \, \text{Sinh}[x]}{\sqrt{a^2 - b^2}}}$$

$$\sqrt{a \, \text{Cosh}[x] + b \, \text{Sinh}[x]}$$

$$\frac{1}{\sqrt{1 - \frac{a^2}{b^2}}} \, b \sqrt{\text{Cosh} \left[ x + \text{ArcTanh} \left[ \frac{a}{b} \right] \right]^2}$$

 $\text{HypergeometricPFQ}\big[\big\{\frac{1}{4},\,\,\frac{1}{2}\big\},\,\,\big\{\frac{5}{4}\big\},\,\,-\text{Sinh}\big[x+\text{ArcTanh}\big[\frac{a}{b}\big]\big]^2\big]\,\,\text{Sech}\big[x+\text{ArcTanh}\big[\frac{a}{b}\big]\big]\,\,\sqrt{a\,\text{Cosh}[x]\,+b\,\text{Sinh}[x]}$ 

Valid but unnecessarily complicated antiderivative:

$$\left\{ \frac{1}{\left( a \operatorname{Cosh}[x] + b \operatorname{Sinh}[x] \right)^{3/2}}, \, x, \, 2, \, 0 \right\}$$

$$\frac{2 \, \left( b \operatorname{Cosh}[x] + a \operatorname{Sinh}[x] \right)}{\left( a^2 - b^2 \right) \sqrt{a \operatorname{Cosh}[x] + b \operatorname{Sinh}[x]}} - \frac{2 \, i \, \operatorname{EllipticE} \left[ \frac{1}{4} \, \left( \pi - 2 \, i \, \left( x + i \operatorname{ArcTan}[i \, b, \, a] \right) \right), \, 2 \right] \sqrt{a \operatorname{Cosh}[x] + b \operatorname{Sinh}[x]}}{\left( a^2 - b^2 \right) \sqrt{-\frac{a \operatorname{Cosh}[x] + b \operatorname{Sinh}[x]}{\sqrt{a^2 - b^2}}} }$$

$$\left[ b \, \operatorname{HypergeometricPFQ} \left[ \left\{ -\frac{1}{2}, \, -\frac{1}{4} \right\}, \, \left\{ \frac{3}{4} \right\}, \, \operatorname{Cosh}\left[ x + \operatorname{ArcTanh} \left[ \frac{b}{a} \right] \right]^2 \right] \, \operatorname{Sinh}\left[ x + \operatorname{ArcTanh} \left[ \frac{b}{a} \right] \right] -$$

$$\sqrt{-\operatorname{Sinh}\left[ x + \operatorname{ArcTanh} \left[ \frac{b}{a} \right] \right]^2} \, \left[ 2 \, a \, \sqrt{1 - \frac{b^2}{a^2}} \, \operatorname{Cosh}[x] - 2 \, a \, \operatorname{Cosh}\left[ x + \operatorname{ArcTanh} \left[ \frac{b}{a} \right] \right] + b \, \operatorname{Sinh}\left[ x + \operatorname{ArcTanh} \left[ \frac{b}{a} \right] \right] \right] \right)$$

$$\left[ a \, b \, \sqrt{1 - \frac{b^2}{a^2}} \, \sqrt{a \, \operatorname{Cosh}[x] + b \, \operatorname{Sinh}[x]} \, \sqrt{-\operatorname{Sinh}\left[ x + \operatorname{ArcTanh} \left[ \frac{b}{a} \right] \right]^2} \right]$$

$$\left\{ \frac{1}{\left( a \operatorname{Cosh}[\mathbf{x}] + b \operatorname{Sinh}[\mathbf{x}] \right)^{5/2}}, \, \mathbf{x}, \, 2, \, 0 \right\}$$

$$\frac{2 \left( b \operatorname{Cosh}[\mathbf{x}] + a \operatorname{Sinh}[\mathbf{x}] \right)}{3 \left( a^2 - b^2 \right) \left( a \operatorname{Cosh}[\mathbf{x}] + b \operatorname{Sinh}[\mathbf{x}] \right)^{3/2}} + \frac{2 \, i \, \text{EllipticF} \left[ \frac{1}{4} \left( \pi - 2 \, i \, \left( \mathbf{x} + i \, \operatorname{ArcTan}[i \, b, \, a] \right) \right), \, 2 \right] \sqrt{-\frac{a \operatorname{Cosh}[\mathbf{x}] + b \operatorname{Sinh}[\mathbf{x}]}{\sqrt{a^2 - b^2}}} }{3 \left( a^2 - b^2 \right) \left( a \operatorname{Cosh}[\mathbf{x}] + b \operatorname{Sinh}[\mathbf{x}] \right)} \frac{1}{3 \left( a^2 - b^2 \right)^2 \left( a \operatorname{Cosh}[\mathbf{x}] + b \operatorname{Sinh}[\mathbf{x}] \right)^{3/2}} \left( 2 \left( a^2 - b^2 \right) \left( b \operatorname{Cosh}[\mathbf{x}] + a \operatorname{Sinh}[\mathbf{x}] \right) - 2 \sqrt{1 - \frac{a^2}{b^2}} \, b \sqrt{\operatorname{Cosh}[\mathbf{x} + \operatorname{ArcTanh}\left[\frac{a}{b}\right] \right)^2} \right)$$

$$\operatorname{HypergeometricPFQ} \left[ \left\{ \frac{1}{4}, \, \frac{1}{2} \right\}, \, \left\{ \frac{5}{4} \right\}, \, -\operatorname{Sinh}[\mathbf{x} + \operatorname{ArcTanh}\left[\frac{a}{b}\right] \right]^2 \, \operatorname{Sech}[\mathbf{x} + \operatorname{ArcTanh}\left[\frac{a}{b}\right] \right] \left( a \operatorname{Cosh}[\mathbf{x}] + b \operatorname{Sinh}[\mathbf{x}] \right)^2 \right)$$

Valid but unnecessarily complicated antiderivative:

 $\{a Coth[x] + b Csch[x], x, 3, 0\}$ 

-b ArcCoth[Cosh[x]] + a Log[Sinh[x]]

$$-b \, \text{Log} \big[ \text{Cosh} \big[ \frac{x}{2} \big] \big] + b \, \text{Log} \big[ \text{Sinh} \big[ \frac{x}{2} \big] \big] + a \, \text{Log} \big[ \text{Sinh} [x] \big]$$

Valid but unnecessarily complicated antiderivative:

$$\{Coth[x] + Csch[x], x, 3, 0\}$$

$$2 \operatorname{Log} \left[ \operatorname{Sinh} \left[ \frac{x}{2} \right] \right]$$

$$-\text{Log}\!\left[\left.2\,\text{Cosh}\!\left[\frac{x}{2}\right]\right.\right] + \text{Log}\!\left[\left.2\,\text{Sinh}\!\left[\frac{x}{2}\right]\right.\right] + \text{Log}\!\left[\left.\text{Sinh}\!\left[x\right]\right.\right]$$

Valid but unnecessarily complicated antiderivative:

$$\{-Coth[x] + Csch[x], x, 3, 0\}$$

$$-2\, \mathsf{Log}\big[\mathsf{Cosh}\big[\frac{\mathsf{x}}{2}\big]\big]$$

$$-\text{Log}\!\left[2\,\text{Cosh}\!\left[\frac{x}{2}\right]\right] + \text{Log}\!\left[2\,\text{Sinh}\!\left[\frac{x}{2}\right]\right] - \text{Log}\!\left[\text{Sinh}\!\left[x\right]\right]$$

Valid but unnecessarily complicated antiderivative:

$$\{Csch[x] + Sinh[x], x, 3, 0\}$$

$$\texttt{Cosh[x]} - \texttt{Log}\big[2\,\texttt{Cosh}\big[\frac{x}{2}\big]\big] + \texttt{Log}\big[2\,\texttt{Sinh}\big[\frac{x}{2}\big]\big]$$

$$\left\{\sqrt{\operatorname{Csch}[x] + \operatorname{Sinh}[x]}, x, 3, 0\right\}$$

$$2\sqrt{Cosh[x] Coth[x]}$$
 Tanh[x]

$$\frac{2\sqrt{\text{Cosh}[x] \text{Coth}[x]} \left(-1 + \left(-\text{Sinh}[x]^2\right)^{1/4}\right) \text{Tanh}[x]}{2\sqrt{1/4}}$$

$$\left(-\text{Sinh}\left[\mathbf{x}\right]^{2}\right)^{1/4}$$

$$\begin{split} &\left\{\frac{1}{\sinh[\mathtt{x}]-\mathrm{Tanh}[\mathtt{x}]}\,,\,\,\mathtt{x},\,\,3\,,\,\,0\right\} \\ &-\frac{1}{4}\,\mathrm{Coth}\Big[\frac{\mathtt{x}}{2}\Big]^2\,+\,\frac{1}{2}\,\mathrm{Log}\Big[\mathrm{Tanh}\Big[\frac{\mathtt{x}}{2}\Big]\Big] \\ &-\frac{1}{4}\,\mathrm{Csch}\Big[\frac{\mathtt{x}}{2}\Big]^2\,\left(1-\mathrm{Log}\big[\mathrm{Cosh}\Big[\frac{\mathtt{x}}{2}\Big]\Big]\,+\,\mathrm{Cosh}[\mathtt{x}]\,\left(\mathrm{Log}\big[\mathrm{Cosh}\Big[\frac{\mathtt{x}}{2}\Big]\Big]\,-\,\mathrm{Log}\big[\mathrm{Sinh}\Big[\frac{\mathtt{x}}{2}\Big]\Big]\right)\,+\,\mathrm{Log}\big[\mathrm{Sinh}\Big[\frac{\mathtt{x}}{2}\Big]\Big]\right) \end{split}$$

Valid but unnecessarily complicated antiderivative:

$$\begin{split} &\left\{\frac{1}{\left(\text{Coth}[\textbf{x}]^2 + \text{Csch}[\textbf{x}]^2\right)^2}, \, \textbf{x, 8, 0}\right\} \\ &\textbf{x} - \frac{\text{ArcTanh}\left[\sqrt{2} \, \text{Coth}[\textbf{x}]\right]}{\sqrt{2}} + \frac{\text{Coth}[\textbf{x}]}{1 - 2 \, \text{Coth}[\textbf{x}]^2} \\ & \frac{\left(3 + \text{Cosh}[2\,\textbf{x}]\right) \, \text{Csch}[\textbf{x}]^4 \left(6 \, \textbf{x} + 2 \, \textbf{x} \, \text{Cosh}[2\,\textbf{x}] - \sqrt{2} \, \, \text{ArcTanh}\left[\frac{\text{Tanh}[\textbf{x}]}{\sqrt{2}}\right] \, \left(3 + \text{Cosh}[2\,\textbf{x}]\right) - 2 \, \text{Sinh}[2\,\textbf{x}]\right)}{8 \, \left(\text{Coth}[\textbf{x}]^2 + \text{Csch}[\textbf{x}]^2\right)^2} \end{split}$$

Valid but unnecessarily complicated antiderivative:

$$\begin{split} & \left\{ \frac{1}{a + a \, \text{Cosh}[x] + c \, \text{Sinh}[x]}, \, x, \, 1, \, 0 \right\} \\ & \frac{\text{Log}\left[a + c \, \text{Tanh}\left[\frac{x}{2}\right]\right]}{c} \\ & \frac{-\text{Log}\left[\text{Cosh}\left[\frac{x}{2}\right]\right] + \text{Log}\left[-a \, \text{Cosh}\left[\frac{x}{2}\right] - c \, \text{Sinh}\left[\frac{x}{2}\right]\right]}{c} \end{split}$$

$$\begin{split} &\left\{\frac{1}{\left(a+a\operatorname{Cosh}[x]+c\operatorname{Sinh}[x]\right)^2},\;x,\;2,\;0\right\} \\ &\frac{a\operatorname{Log}\left[a+c\operatorname{Tanh}\left[\frac{x}{2}\right]\right]}{c^3} - \frac{c\operatorname{Cosh}[x]+a\operatorname{Sinh}[x]}{c^2\left(a+a\operatorname{Cosh}[x]+c\operatorname{Sinh}[x]\right)} \\ &2\;a\left(-\operatorname{Log}\left[\operatorname{Cosh}\left[\frac{x}{2}\right]\right]+\operatorname{Log}\left[-a\operatorname{Cosh}\left[\frac{x}{2}\right]-c\operatorname{Sinh}\left[\frac{x}{2}\right]\right]\right) + \frac{c\left(-a^2+c^2\right)\operatorname{Sinh}\left[\frac{x}{2}\right]}{a\left(a\operatorname{Cosh}\left[\frac{x}{2}\right]+c\operatorname{Sinh}\left[\frac{x}{2}\right]\right)} - c\operatorname{Tanh}\left[\frac{x}{2}\right] \\ &2\;c^3 \end{split}$$

Valid but unnecessarily complicated antiderivative:

$$\left\{ \frac{1}{(a+a \, Cosh[x]+c \, Sinh[x])^4}, \, x, \, 4, \, 0 \right\}$$

$$\frac{c \, Cosh[x]+a \, Sinh[x]}{3 \, c^2 \, (a+a \, Cosh[x]+c \, Sinh[x])^3} + \frac{3 \, a \, \left(5 \, a^2-3 \, c^2\right) \, Log\left[a+c \, Tanh\left[\frac{x}{2}\right]\right] - \frac{c \, (c \, Cosh[x]+a \, Sinh[x]) \, \left(5 \, a^2+\left(15 \, a^2-4 \, c^2\right) \, (a+a \, Cosh[x]+c \, Sinh[x])\right)}{(a+a \, Cosh[x]+c \, Sinh[x])^2} }$$

$$\frac{1}{384 \, c^7} \left[ 192 \, \left(-5 \, a^3+3 \, a \, c^2\right) \, Log\left[Cosh\left[\frac{x}{2}\right]\right] + 192 \, a \, \left(5 \, a^2-3 \, c^2\right) \, Log\left[a \, Cosh\left[\frac{x}{2}\right] + c \, Sinh\left[\frac{x}{2}\right]\right] - \frac{1}{a \, \left(a \, Cosh\left[\frac{x}{2}\right]+c \, Sinh\left[\frac{x}{2}\right]\right)^3} \, c \, Sech\left[\frac{x}{2}\right]^3 \, \left(-150 \, a^5 \, c+130 \, a^3 \, c^3-24 \, a \, c^5+\left(-75 \, a^5 \, c+75 \, a^3 \, c^3+12 \, a \, c^5\right) \, Cosh[x] + \frac{1}{a \, \left(a \, Cosh\left[\frac{x}{2}\right]+c \, Sinh\left[\frac{x}{2}\right]\right)^3} \, c \, Sech\left[\frac{x}{2}\right]^3 \, \left(-150 \, a^5 \, c+130 \, a^3 \, c^3-24 \, a \, c^5+\left(-75 \, a^5 \, c+75 \, a^3 \, c^3+12 \, a \, c^5\right) \, Cosh[x] + \frac{1}{a \, \left(a \, Cosh\left[\frac{x}{2}\right]+c \, Sinh\left[\frac{x}{2}\right]\right)^3} \, c \, Sech\left[\frac{x}{2}\right]^3 \, \left(-150 \, a^5 \, c+130 \, a^3 \, c^3-24 \, a \, c^5+\left(-75 \, a^5 \, c+75 \, a^3 \, c^3+12 \, a \, c^5\right) \, Cosh[x] + \frac{1}{a \, \left(a \, Cosh\left[\frac{x}{2}\right]+c \, Sinh\left[\frac{x}{2}\right]\right)^3} \, c \, Sech\left[\frac{x}{2}\right]^3 \, \left(-150 \, a^5 \, c+130 \, a^3 \, c^3-24 \, a \, c^5+\left(-75 \, a^5 \, c+75 \, a^3 \, c^3+12 \, a \, c^5\right) \, Cosh[x] + \frac{1}{a \, \left(a \, Cosh\left[\frac{x}{2}\right]+c \, Sinh\left[\frac{x}{2}\right]\right)^3} \, c \, Sech\left[\frac{x}{2}\right]^3 \, \left(-150 \, a^5 \, c+130 \, a^3 \, c^3-24 \, a \, c^5+\left(-75 \, a^5 \, c+75 \, a^3 \, c^3+12 \, a \, c^5\right) \, Cosh[x] + \frac{1}{a \, \left(a \, Cosh\left[\frac{x}{2}\right]+c \, Sinh\left[\frac{x}{2}\right]} \, c \, Sinh\left[\frac{x}{2}\right] + \frac{1}{a \, \left(a \, Cosh\left[\frac{x}{2}\right]+c \, Sinh\left[\frac{x}{2}\right]+c \, Sinh\left[\frac{x}{2}\right]} \, c \, Sech\left[\frac{x}{2}\right] + \frac{1}{a \, \left(a \, Cosh\left[\frac{x}{2}\right]+c \, Sinh\left[\frac{x}{2}\right]+c \, Sinh\left[\frac{x}{2}\right]} \, c \, Sech\left[\frac{x}{2}\right] + \frac{1}{a \, \left(a \, Cosh\left[\frac{x}{2}\right]+c \, Sinh\left[\frac{x}{2}\right]+c \, Sinh\left[\frac{x}{2}\right]+c \, Sinh\left[\frac{x}{2}\right]+c \, Sinh\left[\frac{x}{2}\right]+c \, Sinh\left[\frac{x}{2}\right] + \frac{1}{a \, c^2} \, Sinh\left[\frac{x}{2}\right] + \frac{1}{a \, c^2} \, Sinh\left[\frac{x}{2}\right]+c \, Sinh\left[\frac{x}{2}$$

$$\left\{ \frac{1}{\left( \sqrt{b^2 - c^2} + b \operatorname{Cosh}[x] + c \operatorname{Sinh}[x] \right)^4}, x, 4, 0 \right\}$$

$$\frac{c \operatorname{Cosh}[x] + b \operatorname{Sinh}[x]}{7 \sqrt{b^2 - c^2}} \left\{ \sqrt{b^2 - c^2} + b \operatorname{Cosh}[x] + c \operatorname{Sinh}[x] \right)^4} + \frac{3 \left( c \operatorname{Cosh}[x] + b \operatorname{Sinh}[x] \right)}{35 \left( b^2 - c^2 \right) \left( \sqrt{b^2 - c^2} + b \operatorname{Cosh}[x] + c \operatorname{Sinh}[x] \right)} + \frac{2 \left( c \operatorname{Cosh}[x] + b \operatorname{Sinh}[x] \right)}{35 \left( b^2 - c^2 \right)^{3/2} \left( \sqrt{b^2 - c^2} + b \operatorname{Cosh}[x] + c \operatorname{Sinh}[x] \right)} - \frac{2 \left( c + \sqrt{b^2 - c^2} \cdot \sinh[x] \right)}{35 \left( b^2 - c^2 \right)^{3/2} \left( c \operatorname{Cosh}[x] + b \operatorname{Sinh}[x] \right)} - \frac{2 \left( c + \sqrt{b^2 - c^2} \cdot \sinh[x] \right)}{35 \left( b^2 - c^2 \right)^{3/2} \left( c \operatorname{Cosh}[x] + b \operatorname{Sinh}[x] \right)} - \frac{2 \left( c + \sqrt{b^2 - c^2} \cdot \sinh[x] \right)}{35 \left( b^2 - c^2 \right)^{3/2} \left( c \operatorname{Cosh}[x] + b \operatorname{Sinh}[x] \right)} - \frac{2 \left( c + \sqrt{b^2 - c^2} \cdot \sinh[x] \right)}{35 \left( b^2 - c^2 \right)^{3/2} \left( c \operatorname{Cosh}[x] + b \operatorname{Sinh}[x] \right)} - \frac{2 \left( c + \sqrt{b^2 - c^2} \cdot \sinh[x] \right)}{35 \left( b^2 - c^2 \right)^{3/2} \left( c \operatorname{Cosh}[x] + b \operatorname{Sinh}[x] \right)} - \frac{1}{1200 \left( -b^2 \cdot c + c^3 \right) \left( c \operatorname{Cosh}[x] + b \operatorname{Sinh}[x] \right)} - \frac{2 \left( c + \sqrt{b^2 - c^2} \cdot \sinh[x] \right)}{35 \left( c + c^2 \right)^{3/2} \left( c \operatorname{Cosh}[x] + b \operatorname{Sinh}[x] \right)} - \frac{2 \left( c + \sqrt{b^2 - c^2} \cdot \sinh[x] \right)}{35 \left( c + c^2 \right)^{3/2} \left( c \operatorname{Cosh}[x] + b \operatorname{Sinh}[x] \right)} - \frac{2 \left( c + \sqrt{b^2 - c^2} \cdot \sinh[x] \right)}{35 \left( c + c^2 \right)^{3/2} \left( c \operatorname{Cosh}[x] + b \operatorname{Sinh}[x] \right)} - \frac{2 \left( c + \sqrt{b^2 - c^2} \cdot \sinh[x] \right)}{35 \left( c + c^2 \right)^{3/2} \left( c \operatorname{Cosh}[x] + b \operatorname{Sinh}[x] \right)} - \frac{2 \left( c + \sqrt{b^2 - c^2} \cdot \sinh[x] \right)}{35 \left( c + c^2 \right)^{3/2} \left( c \operatorname{Cosh}[x] + b \operatorname{Sinh}[x] \right)} - \frac{2 \left( c + \sqrt{b^2 - c^2} \cdot \sinh[x] \right)}{35 \left( c + c^2 \right)^{3/2} \left( c \operatorname{Cosh}[x] + b \operatorname{Sinh}[x] \right)} - \frac{2 \left( c + \sqrt{b^2 - c^2} \cdot \sinh[x] \right)}{35 \left( c + c^2 \right)^{3/2} \left( c \operatorname{Cosh}[x] + b \operatorname{Sinh}[x] \right)} - \frac{2 \left( c + \sqrt{b^2 - c^2} \cdot \sinh[x] \right)}{35 \left( c + c^2 \right)^{3/2} \left( c \operatorname{Cosh}[x] + b \operatorname{Sinh}[x] \right)} - \frac{2 \left( c + \sqrt{b^2 - c^2} \cdot \sinh[x] \right)}{35 \left( c + c^2 \right)^{3/2} \left( c \operatorname{Cosh}[x] + b \operatorname{Sinh}[x] \right)} - \frac{2 \left( c + \sqrt{b^2 - c^2} \cdot \sinh[x] \right)}{35 \left( c + c^2 \right)^{3/2} \left( c \operatorname{Cosh}[x] + b \operatorname{Sinh}[x] \right)} - \frac{2 \left( c + \sqrt{b^2 - c^2} \cdot \cosh[x] + b \operatorname{Sinh}[x] \right)}{35 \left( c + c^2 \right)^{3/2} \left( c \operatorname{Cosh}[x] + b \operatorname{Sinh}[x] \right)} - \frac{2 \left( c + c^2 \right)^{3/2} \left($$

$$\{(a + b Cosh[x] + c Sinh[x])^{5/2}, x, 5, 0\}$$

$$\frac{16}{15} \text{ a } \left(\text{c} \, \text{Cosh}[\textbf{x}] + \text{b} \, \text{Sinh}[\textbf{x}]\right) \, \sqrt{\text{a} + \text{b} \, \text{Cosh}[\textbf{x}] + \text{c} \, \text{Sinh}[\textbf{x}]} \, \\ + \frac{2}{5} \left(\text{c} \, \text{Cosh}[\textbf{x}] + \text{b} \, \text{Sinh}[\textbf{x}]\right) \, \left(\text{a} + \text{b} \, \text{Cosh}[\textbf{x}] + \text{c} \, \text{Sinh}[\textbf{x}]\right)^{3/2} + \frac{1}{5} \left(\text{c} \, \text{Cosh}[\textbf{x}] + \text{c} \, \text{Sinh}[\textbf{x}]\right) + \frac{1}{5} \left(\text{c} \, \text{Cosh}[\textbf{x}] + \text{c} \, \text{Sinh}[\textbf{x}]\right) + \frac{1}{5} \left(\text{c} \, \text{Cosh}[\textbf{x}] + \text{c} \, \text{Sinh}[\textbf{x}]\right) + \frac{1}{5} \left(\text{c} \, \text{Cosh}[\textbf{x}] + \text{c} \, \text{Sinh}[\textbf{x}]\right) + \frac{1}{5} \left(\text{c} \, \text{Cosh}[\textbf{x}] + \text{c} \, \text{Sinh}[\textbf{x}]\right) + \frac{1}{5} \left(\text{c} \, \text{Cosh}[\textbf{x}] + \text{c} \, \text{Sinh}[\textbf{x}]\right) + \frac{1}{5} \left(\text{c} \, \text{Cosh}[\textbf{x}] + \text{c} \, \text{Sinh}[\textbf{x}]\right) + \frac{1}{5} \left(\text{c} \, \text{Cosh}[\textbf{x}] + \text{c} \, \text{Sinh}[\textbf{x}]\right) + \frac{1}{5} \left(\text{c} \, \text{Cosh}[\textbf{x}] + \text{c} \, \text{Sinh}[\textbf{x}]\right) + \frac{1}{5} \left(\text{c} \, \text{Cosh}[\textbf{x}] + \text{c} \, \text{Sinh}[\textbf{x}]\right) + \frac{1}{5} \left(\text{c} \, \text{Cosh}[\textbf{x}] + \text{c} \, \text{Sinh}[\textbf{x}]\right) + \frac{1}{5} \left(\text{c} \, \text{Cosh}[\textbf{x}] + \text{c} \, \text{Sinh}[\textbf{x}]\right) + \frac{1}{5} \left(\text{c} \, \text{Cosh}[\textbf{x}] + \text{c} \, \text{Sinh}[\textbf{x}]\right) + \frac{1}{5} \left(\text{c} \, \text{Cosh}[\textbf{x}] + \text{c} \, \text{Sinh}[\textbf{x}]\right) + \frac{1}{5} \left(\text{c} \, \text{Cosh}[\textbf{x}] + \text{c} \, \text{Cosh}[\textbf{x}] + \text{c} \, \text{Cosh}[\textbf{x}]\right) + \frac{1}{5} \left(\text{c} \, \text{Cosh}[\textbf{x}] + \text{c} \, \text{Cosh}[\textbf{x}] + \text{c} \, \text{Cosh}[\textbf{x}]\right) + \frac{1}{5} \left(\text{c} \, \text{Cosh}[\textbf{x}] + \text{c} \, \text{c} \, \text{Cosh}[\textbf{x}] + \text{c} \, \text{c} \, \text{Cosh}[\textbf{x}] + \text{c} \, \text{c} \, \text{c} \, \text{c} + \text{c} \, \text{c} \, \text{c} \, \text{c} + \text{c} \, \text{c} + \text{c} \, \text{c$$

$$2 \text{ i } \left(23 \text{ a}^2 + 9 \text{ } \left(b^2 - c^2\right)\right) \text{ EllipticE}\Big[\frac{1}{4} \text{ } (\pi - 2 \text{ i } (\mathbf{x} + \text{ i } \operatorname{ArcTan}[\text{i } \mathbf{c}, \text{ b}])), \\ \frac{2}{1 - \frac{a}{\sqrt{b^2 - c^2}}}\Big] \sqrt{a + b \operatorname{Cosh}[\mathbf{x}] + c \operatorname{Sinh}[\mathbf{x}]}$$

$$15 \sqrt{\frac{a+b \cosh[x] + c \sinh[x]}{a - \sqrt{b^2 - c^2}}}$$

$$16 \text{ is a } \left(a^2 - b^2 + c^2\right) \text{ EllipticF}\left[\frac{1}{4} \left(\pi - 2 \text{ is } \left(x + \text{ is ArcTan[ic, b]}\right)\right), \frac{2}{1 - \frac{a}{\sqrt{b^2 - c^2}}}\right] \sqrt{\frac{a + b \text{Cosh[x]} + c \text{Sinh[x]}}{a - \sqrt{b^2 - c^2}}}$$

$$15\sqrt{a+b\cosh[x]+c\sinh[x]}$$

$$\sqrt{\text{a} + \text{b} \, \text{Cosh}[\,\mathbf{x}\,] \, + \text{c} \, \text{Sinh}[\,\mathbf{x}\,]} \, \left( \frac{2 \, \text{b} \, \left(23 \, \text{a}^2 + 9 \, \text{b}^2 - 9 \, \text{c}^2\right)}{15 \, \text{c}} \, + \, \frac{22}{15} \, \text{a} \, \text{c} \, \text{Cosh}[\,\mathbf{x}\,] \, + \, \frac{2}{5} \, \text{b} \, \text{c} \, \text{Cosh}[\,2 \, \mathbf{x}\,] \, + \, \frac{22}{15} \, \text{a} \, \text{b} \, \text{Sinh}[\,\mathbf{x}\,] \, + \, \frac{1}{5} \, \left(\text{b}^2 + \text{c}^2\right) \, \text{Sinh}[\,2 \, \mathbf{x}\,] \right) + \, \frac{1}{5} \, \left(\text{b}^2 + \text{c}^2\right) \, \left(\text{Sinh}[\,2 \, \mathbf{x}\,] + \, \frac{1}{5} \, \text{c} \, \text{Sinh}[\,2 \, \mathbf{x}\,] \right) + \, \frac{1}{5} \, \left(\text{b}^2 + \, \text{c}^2\right) \, \left(\text{Sinh}[\,2 \, \mathbf{x}\,] + \, \frac{1}{5} \, \text{c} \, \text{c$$

$$2\,a^{3}\,\text{AppellF1}\Big[\frac{1}{2}\,,\,\,\frac{1}{2}\,,\,\,\frac{1}{2}\,,\,\,\frac{3}{2}\,,\,\,-\frac{i\,\left(a+\sqrt{1-\frac{b^{2}}{c^{2}}}\,\,c\,\,\text{Sinh}\big[x+\text{ArcTanh}\big[\frac{b}{c}\big]\,\big]\right)}{\sqrt{1-\frac{b^{2}}{c^{2}}}\,\,\left(1-\frac{i\,a}{\sqrt{1-\frac{b^{2}}{c^{2}}}\,\,c}\right)c}\,,\,\,-\frac{i\,\left(a+\sqrt{1-\frac{b^{2}}{c^{2}}}\,\,c\,\,\text{Sinh}\big[x+\text{ArcTanh}\big[\frac{b}{c}\big]\,\big]\right)}{\sqrt{1-\frac{b^{2}}{c^{2}}}\,\,\left(1-\frac{i\,a}{\sqrt{1-\frac{b^{2}}{c^{2}}}\,\,c}\right)c}\,\,$$

$$x + ArcTanh\left[\frac{b}{c}\right] \int \sqrt{-1 + i \, Sinh\left[x + ArcTanh\left[\frac{b}{c}\right]\right]} \, \sqrt{1 + i \, Sinh\left[x + ArcTanh\left[\frac{b}{c}\right]\right]} \, \sqrt{a + \sqrt{1 - \frac{b^2}{c^2}}} \, c \, Sinh\left[x + ArcTanh\left[\frac{b}{c}\right]\right]$$

$$\sqrt{1 - \frac{b^2}{c^2}} \ c \sqrt{1 - \frac{\frac{i}{a}}{\sqrt{1 - \frac{b^2}{c^2}}}} \ c \sqrt{1 - \frac{\frac{b^2}{c^2}}{c^2}} \ c \sqrt{1 - \frac{b^2}{c^2}} \ c \sqrt{1 - \frac{b^2}{c^2}} \ c$$

$$\sqrt{1-\frac{\text{i a}}{\sqrt{1-\frac{b^2}{c^2}}}} + \frac{\text{i }\left[a+\sqrt{1-\frac{b^2}{c^2}} \text{ c Sinh}\left[x+\text{ArcTanh}\left[\frac{b}{c}\right]\right]\right]}{\sqrt{1-\frac{b^2}{c^2}}} + \frac{\text{i }\left[a+\sqrt{1-\frac{b^2}{c^2}} \text{ c Sinh}\left[x+\text{ArcTanh}\left[\frac{b}{c}\right]\right]\right]}$$

$$\begin{bmatrix} 34 \text{ a } b^2 \text{ AppellF1} \left[\frac{1}{2}, \frac{1}{2}, \frac{1}{2}, \frac{3}{2}, -\frac{i\left[a + \sqrt{1 - \frac{b^2}{c^2}} \text{ c } \text{Sinh}\left[x + \text{ArcTanh}\left[\frac{b}{c}\right]\right]\right]}{\sqrt{1 - \frac{b^2}{c^2}}} \right] c \\ & \sqrt{1 - \frac{b^2}{c^2}} \left[1 - \frac{i \text{ a}}{\sqrt{1 - \frac{b^2}{c^2}} \text{ c}}\right] c \\ & \sqrt{1 - \frac{b^2}{c^2}} \left[1 - \frac{i \text{ a}}{\sqrt{1 - \frac{b^2}{c^2}} \text{ c}}\right] c \\ \end{bmatrix} c \\ & \sqrt{1 - \frac{b^2}{c^2}} \left[1 - \frac{i \text{ a}}{\sqrt{1 - \frac{b^2}{c^2}}} \right] c \\ \end{bmatrix} \text{ Sech} \left[\frac{b}{c}\right] \left[\frac{b}{$$

$$x + \operatorname{ArcTanh}\left[\frac{b}{c}\right] \sqrt{-1 + i \operatorname{Sinh}\left[x + \operatorname{ArcTanh}\left[\frac{b}{c}\right]\right]} \sqrt{1 + i \operatorname{Sinh}\left[x + \operatorname{ArcTanh}\left[\frac{b}{c}\right]\right]} \sqrt{a + \sqrt{1 - \frac{b^2}{c^2}}} \operatorname{cSinh}\left[x + \operatorname{ArcTanh}\left[\frac{b}{c}\right]\right]$$

$$\begin{array}{c|c} & i \left(a + \sqrt{1 - \frac{b^2}{c^2}} \ c \ Sinh \left[x + ArcTanh \left[\frac{b}{c}\right]\right]\right) \\ 1 + & & \\ & \sqrt{1 - \frac{b^2}{c^2}} \ \left(-1 - \frac{i \ a}{\sqrt{1 - \frac{b^2}{c^2}} \ c}\right) c \end{array} \end{array} \end{array} \right) \\ \begin{array}{c|c} & i \left(a + \sqrt{1 - \frac{b^2}{c^2}} \ c \ Sinh \left[x + ArcTanh \left[\frac{b}{c}\right]\right]\right) \\ & & \\ & \sqrt{1 - \frac{b^2}{c^2}} \ \left(1 - \frac{i \ a}{\sqrt{1 - \frac{b^2}{c^2}} \ c}\right) c \end{array} \right)$$

$$\left[ 15 \sqrt{1 - \frac{b^2}{c^2}} \ c \sqrt{1 - \frac{i \ a}{\sqrt{1 - \frac{b^2}{c^2}}} \ c} \ + \ \frac{i \ \left( a + \sqrt{1 - \frac{b^2}{c^2}} \ c \ Sinh \left[ x + ArcTanh \left[ \frac{b}{c} \right] \right] \right)}{\sqrt{1 - \frac{b^2}{c^2}} \ c} \right]$$

$$\sqrt{1 - \frac{\text{i a}}{\sqrt{1 - \frac{b^2}{c^2}}}} + \frac{\text{i } \left( \text{a} + \sqrt{1 - \frac{b^2}{c^2}} \text{ c } \text{Sinh} \left[ \text{x} + \text{ArcTanh} \left[ \frac{b}{c} \right] \right] \right)}{\sqrt{1 - \frac{b^2}{c^2}}} \text{ c}$$

$$\begin{bmatrix} 34 \text{ a c AppellF1} \left[ \frac{1}{2}, \frac{1}{2}, \frac{1}{2}, \frac{3}{2}, -\frac{i \left( a + \sqrt{1 - \frac{b^2}{c^2}} \text{ c Sinh} \left[ x + \text{ArcTanh} \left[ \frac{b}{c} \right] \right] \right)}{\sqrt{1 - \frac{b^2}{c^2}} \left( 1 - \frac{i \text{ a}}{\sqrt{1 - \frac{b^2}{c^2}} \text{ c}} \right) \text{ c}}, -\frac{i \left( a + \sqrt{1 - \frac{b^2}{c^2}} \text{ c Sinh} \left[ x + \text{ArcTanh} \left[ \frac{b}{c} \right] \right] \right)}{\sqrt{1 - \frac{b^2}{c^2}} \left( -1 - \frac{i \text{ a}}{\sqrt{1 - \frac{b^2}{c^2}}} \right) \text{ c}} \right] \text{ Sech} \left[ \frac{a + \sqrt{1 - \frac{b^2}{c^2}} \text{ c Sinh} \left[ x + \text{ArcTanh} \left[ \frac{b}{c} \right] \right] \right)}{\sqrt{1 - \frac{b^2}{c^2}} \left( -1 - \frac{i \text{ a}}{\sqrt{1 - \frac{b^2}{c^2}}} \right) \text{ c}} \right)$$

$$x + \operatorname{ArcTanh}\left[\frac{b}{c}\right] \int_{c}^{-1 + i \cdot \operatorname{Sinh}\left[x + \operatorname{ArcTanh}\left[\frac{b}{c}\right]\right]} \sqrt{1 + i \cdot \operatorname{Sinh}\left[x + \operatorname{ArcTanh}\left[\frac{b}{c}\right]\right]} \sqrt{a + \sqrt{1 - \frac{b^{2}}{c^{2}}}} \cdot \operatorname{CSinh}\left[x + \operatorname{ArcTanh}\left[\frac{b}{c}\right]\right]$$

$$\begin{array}{c} \begin{array}{c} i \left( a + \sqrt{1 - \frac{b^2}{c^2}} \ c \ Sinh \left[ x + ArcTanh \left[ \frac{b}{c} \right] \right] \right) \\ 1 + \frac{i \left( a + \sqrt{1 - \frac{b^2}{c^2}} \ c \ Sinh \left[ x + ArcTanh \left[ \frac{b}{c} \right] \right] \right) \\ \\ \sqrt{1 - \frac{b^2}{c^2}} \left( -1 - \frac{i \ a}{\sqrt{1 - \frac{b^2}{c^2}} \ c} \right) c \end{array} \end{array} \right) \end{array} \end{array}$$

$$\left[ 15 \sqrt{1 - \frac{b^2}{c^2}} \sqrt{-1 - \frac{\text{i a}}{\sqrt{1 - \frac{b^2}{c^2}}}} + \frac{\text{i } \left[ a + \sqrt{1 - \frac{b^2}{c^2}} \text{ c Sinh} \left[ x + \text{ArcTanh} \left[ \frac{b}{c} \right] \right] \right]}{\sqrt{1 - \frac{b^2}{c^2}}} \right]$$

$$\sqrt{1 - \frac{\text{i a}}{\sqrt{1 - \frac{b^2}{c^2}}}} + \frac{\text{i} \left[ a + \sqrt{1 - \frac{b^2}{c^2}} \text{ c Sinh} \left[ x + \text{ArcTanh} \left[ \frac{b}{c} \right] \right] \right]}{\sqrt{1 - \frac{b^2}{c^2}}} \text{ c}$$

$$\frac{1}{15\,c}\,23\,a^{2}\,b^{2}\left(c\,\text{AppellF1}\!\left[-\frac{1}{2}\,,\,\,-\frac{1}{2}\,,\,\,-\frac{1}{2}\,,\,\,\frac{1}{2}\,,\,\,\frac{a+b\,\sqrt{1-\frac{c^{2}}{b^{2}}}\,\,\text{Cosh}\!\left[x+\text{ArcTanh}\!\left[\frac{c}{b}\right]\,\right]}}{b\,\sqrt{1-\frac{c^{2}}{b^{2}}}\,\,\left[1+\frac{a}{b\,\sqrt{1-\frac{c^{2}}{b^{2}}}}\right]}\,,\,\,\frac{a+b\,\sqrt{1-\frac{c^{2}}{b^{2}}}\,\,\text{Cosh}\!\left[x+\text{ArcTanh}\!\left[\frac{c}{b}\right]\,\right]}}{b\,\sqrt{1-\frac{c^{2}}{b^{2}}}\,\,\left[1+\frac{a}{b\,\sqrt{1-\frac{c^{2}}{b^{2}}}}\right]}\right]$$

$$\sqrt{-1 + \frac{a}{b\sqrt{1 - \frac{c^2}{b^2}}} - \frac{a + b\sqrt{1 - \frac{c^2}{b^2}} \ \text{Cosh}\left[x + \text{ArcTanh}\left[\frac{c}{b}\right]\right]}{b\sqrt{1 - \frac{c^2}{b^2}}}} \sqrt{1 + \frac{a}{b\sqrt{1 - \frac{c^2}{b^2}}} - \frac{a + b\sqrt{1 - \frac{c^2}{b^2}} \ \text{Cosh}\left[x + \text{ArcTanh}\left[\frac{c}{b}\right]\right]}{b\sqrt{1 - \frac{c^2}{b^2}}}}$$

$$Sinh\left[x + ArcTanh\left[\frac{c}{b}\right]\right] \Bigg/ \left[b\sqrt{1 - \frac{c^2}{b^2}} \sqrt{-1 - Cosh\left[x + ArcTanh\left[\frac{c}{b}\right]\right]} \sqrt{1 - Cosh\left[x + ArcTanh\left[\frac{c}{b}\right]\right]} \right]$$

$$\sqrt{a+b\sqrt{1-\frac{c^2}{b^2}}} \cdot \text{Cosh}\left[x+\text{ArcTanh}\left[\frac{c}{b}\right]\right] \\ \sqrt{1-\frac{c^2}{b^2}} \cdot \text{Cosh}\left[x+\text{ArcTanh}\left[\frac{c}{b}\right]\right] \\ \sqrt{1-\frac{c^2}{b^2}} \cdot \left(-1+\frac{a}{b\sqrt{1-\frac{c^2}{b^2}}}\right)$$

$$1 - \frac{a + b \sqrt{1 - \frac{c^2}{b^2}} \ \text{Cosh} \left[ x + \text{ArcTanh} \left[ \frac{c}{b} \right] \right]}{b \sqrt{1 - \frac{c^2}{b^2}} \ \left[ 1 + \frac{a}{b \sqrt{1 - \frac{c^2}{b^2}}} \right] } - \frac{-\frac{2 \, b \left[ a + b \sqrt{1 - \frac{c^2}{b^2}} \ \text{Cosh} \left[ x + \text{ArcTanh} \left[ \frac{c}{b} \right] \right] \right)}{b^2 - c^2} + \frac{c \, \text{Sinh} \left[ x + \text{ArcTanh} \left[ \frac{c}{b} \right] \right]}{b \sqrt{1 - \frac{c^2}{b^2}}} - \frac{c \, \text{Sinh} \left[ x + \text{ArcTanh} \left[ \frac{c}{b} \right] \right]}{\sqrt{a + b \sqrt{1 - \frac{c^2}{b^2}} \ \text{Cosh} \left[ x + \text{ArcTanh} \left[ \frac{c}{b} \right] \right]}} - \frac{c \, \text{Sinh} \left[ x + \text{ArcTanh} \left[ \frac{c}{b} \right] \right]}{\sqrt{a + b \sqrt{1 - \frac{c^2}{b^2}} \ \text{Cosh} \left[ x + \text{ArcTanh} \left[ \frac{c}{b} \right] \right]}}$$

$$\frac{1}{5\,c}\,3\,b^4 \left[ c\, \text{AppellF1}\!\left[ -\frac{1}{2}\,,\,\,-\frac{1}{2}\,,\,\,-\frac{1}{2}\,,\,\,\frac{1}{2}\,,\,\,\frac{a+b\,\sqrt{1-\frac{c^2}{b^2}}\,\,\text{Cosh}\!\left[x+\text{ArcTanh}\!\left[\frac{c}{b}\right]\,\right]}}{b\,\sqrt{1-\frac{c^2}{b^2}}\,\,\left[1+\frac{a}{b\,\sqrt{1-\frac{c^2}{b^2}}}\right]}\,,\,\,\frac{a+b\,\sqrt{1-\frac{c^2}{b^2}}\,\,\text{Cosh}\!\left[x+\text{ArcTanh}\!\left[\frac{c}{b}\right]\,\right]}}{b\,\sqrt{1-\frac{c^2}{b^2}}\,\,\left[1+\frac{a}{b\,\sqrt{1-\frac{c^2}{b^2}}}\right]} \right] \right]$$

$$\sqrt{\frac{a}{b\sqrt{1-\frac{c^2}{b^2}}} - \frac{a+b\sqrt{1-\frac{c^2}{b^2}} \; Cosh\left[x+ArcTanh\left[\frac{c}{b}\right]\right]}{b\sqrt{1-\frac{c^2}{b^2}}}} \; \sqrt{\frac{1+\frac{a}{b\sqrt{1-\frac{c^2}{b^2}}} - \frac{a+b\sqrt{1-\frac{c^2}{b^2}} \; Cosh\left[x+ArcTanh\left[\frac{c}{b}\right]\right]}{b\sqrt{1-\frac{c^2}{b^2}}}} }$$

$$Sinh \left[ x + ArcTanh \left[ \frac{c}{b} \right] \right] \Bigg/ \left[ b \sqrt{1 - \frac{c^2}{b^2}} \sqrt{-1 - Cosh \left[ x + ArcTanh \left[ \frac{c}{b} \right] \right]} \sqrt{1 - Cosh \left[ x + ArcTanh \left[ \frac{c}{b} \right] \right]} \right]$$

$$\sqrt{a+b\sqrt{1-\frac{c^2}{b^2}}} \hspace{0.1cm} Cosh\big[x+ArcTanh\big[\frac{c}{b}\big]\big]} \hspace{0.1cm} \sqrt{1-\frac{\frac{c^2}{b^2}}{b}} \hspace{0.1cm} Cosh\big[x+ArcTanh\big[\frac{c}{b}\big]\big]} \\ \sqrt{1-\frac{\frac{c^2}{b^2}}{b}} \hspace{0.1cm} \left(-1+\frac{a}{b\sqrt{1-\frac{c^2}{b^2}}}\right)$$

$$\sqrt{1 - \frac{c^2}{b^2} \left( \text{Cosh}\left[x + \text{ArcTanh}\left[\frac{c}{b}\right]\right]}{b\sqrt{1 - \frac{c^2}{b^2}} \left( 1 + \frac{a}{b\sqrt{1 - \frac{c^2}{b^2}}} \left( 1 + \frac{a}{b\sqrt{1 - \frac{c^2}{b^2}}} \right) \right)}} \right) - \frac{2 \left( b \left( a + b\sqrt{1 - \frac{c^2}{b^2}} \right) \cosh\left[x + \text{ArcTanh}\left[\frac{c}{b}\right]\right] \right)}{b^2 - c^2} + \frac{c \left( \sinh\left[x + \text{ArcTanh}\left[\frac{c}{b}\right]\right] \right)}{b\sqrt{1 - \frac{c^2}{b^2}}} \right)} + \frac{c \left( \sinh\left[x + \text{ArcTanh}\left[\frac{c}{b}\right]\right] \right)}{b\sqrt{1 - \frac{c^2}{b^2}}} + \frac{c \left( \sinh\left[x + \text{ArcTanh}\left[\frac{c}{b}\right]\right] \right)}{b\sqrt{1 - \frac{c^2}{b^2}}} + \frac{c \left( \sinh\left[x + \text{ArcTanh}\left[\frac{c}{b}\right]\right] \right)}{b\sqrt{1 - \frac{c^2}{b^2}}} + \frac{c \left( \sinh\left[x + \text{ArcTanh}\left[\frac{c}{b}\right]\right] \right)}{b\sqrt{1 - \frac{c^2}{b^2}}} + \frac{c \left( \sinh\left[x + \text{ArcTanh}\left[\frac{c}{b}\right]\right] \right)}{b\sqrt{1 - \frac{c^2}{b^2}}} + \frac{c \left( \sinh\left[x + \text{ArcTanh}\left[\frac{c}{b}\right]\right] \right)}{b\sqrt{1 - \frac{c^2}{b^2}}} + \frac{c \left( \sinh\left[x + \text{ArcTanh}\left[\frac{c}{b}\right]\right] \right)}{b\sqrt{1 - \frac{c^2}{b^2}}} + \frac{c \left( \sinh\left[x + \text{ArcTanh}\left[\frac{c}{b}\right]\right] \right)}{b\sqrt{1 - \frac{c^2}{b^2}}} + \frac{c \left( \sinh\left[x + \text{ArcTanh}\left[\frac{c}{b}\right]\right] \right)}{b\sqrt{1 - \frac{c^2}{b^2}}} + \frac{c \left( \sinh\left[x + \text{ArcTanh}\left[\frac{c}{b}\right]\right] \right)}{b\sqrt{1 - \frac{c^2}{b^2}}} + \frac{c \left( \sinh\left[x + \text{ArcTanh}\left[\frac{c}{b}\right]\right] \right)}{b\sqrt{1 - \frac{c^2}{b^2}}} + \frac{c \left( \sinh\left[x + \text{ArcTanh}\left[\frac{c}{b}\right]\right] \right)}{b\sqrt{1 - \frac{c^2}{b^2}}} + \frac{c \left( \sinh\left[x + \text{ArcTanh}\left[\frac{c}{b}\right]\right]}{b\sqrt{1 - \frac{c^2}{b^2}}} + \frac{c \left( \sinh\left[x + \text{ArcTanh}\left[\frac{c}{b}\right]\right)}{b\sqrt{1 - \frac{c^2}{b^2}}} + \frac{c \left( \sinh\left[x + \text{Arc$$

$$\frac{23}{15} \, a^2 \, c \, \left[ c \, \text{AppellF1} \Big[ -\frac{1}{2} \,,\, -\frac{1}{2} \,,\, -\frac{1}{2} \,,\, \frac{1}{2} \,,\, \frac{a + b \, \sqrt{1 - \frac{c^2}{b^2}} \, \, \text{Cosh} \big[ x + \text{ArcTanh} \big[ \frac{c}{b} \big] \, \big]}}{b \, \sqrt{1 - \frac{c^2}{b^2}} \, \left[ 1 + \frac{a}{b \, \sqrt{1 - \frac{c^2}{b^2}}} \right]} \,,\, \frac{a + b \, \sqrt{1 - \frac{c^2}{b^2}} \, \, \, \text{Cosh} \big[ x + \text{ArcTanh} \big[ \frac{c}{b} \big] \, \big]}}{b \, \sqrt{1 - \frac{c^2}{b^2}} \, \left[ -1 + \frac{a}{b \, \sqrt{1 - \frac{c^2}{b^2}}} \right]} \right]}$$

$$\sqrt{-1 + \frac{a}{b\sqrt{1 - \frac{c^2}{b^2}}}} - \frac{a + b\sqrt{1 - \frac{c^2}{b^2}} \ \text{Cosh}\left[x + \text{ArcTanh}\left[\frac{c}{b}\right]\right]}{b\sqrt{1 - \frac{c^2}{b^2}}}} \sqrt{1 + \frac{a}{b\sqrt{1 - \frac{c^2}{b^2}}}} - \frac{a + b\sqrt{1 - \frac{c^2}{b^2}} \ \text{Cosh}\left[x + \text{ArcTanh}\left[\frac{c}{b}\right]\right]}{b\sqrt{1 - \frac{c^2}{b^2}}}}$$

$$Sinh\left[x + ArcTanh\left[\frac{c}{b}\right]\right] \middle/ \left[b\sqrt{1 - \frac{c^2}{b^2}} \sqrt{-1 - Cosh\left[x + ArcTanh\left[\frac{c}{b}\right]\right]} \sqrt{1 - Cosh\left[x + ArcTanh\left[\frac{c}{b}\right]\right]} \right]$$

$$\sqrt{a+b\sqrt{1-\frac{c^2}{b^2}}} \; Cosh\left[x+ArcTanh\left[\frac{c}{b}\right]\right]} \\ \sqrt{1-\frac{\frac{c^2}{b^2}}{b\sqrt{1-\frac{c^2}{b^2}}}} \; Cosh\left[x+ArcTanh\left[\frac{c}{b}\right]\right]} \\ \sqrt{1-\frac{c^2}{b^2}} \; \left(-1+\frac{a}{b\sqrt{1-\frac{c^2}{b^2}}}\right)$$

$$\sqrt{1 - \frac{c^2}{b^2} \left( \cosh\left[x + ArcTanh\left[\frac{c}{b}\right]\right] \right)} - \frac{2 b \left( a + b \sqrt{1 - \frac{c^2}{b^2}} \right) \cosh\left[x + ArcTanh\left[\frac{c}{b}\right]\right]}{b^2 - c^2} + \frac{c \sinh\left[x + ArcTanh\left[\frac{c}{b}\right]\right]}{b \sqrt{1 - \frac{c^2}{b^2}}} + \frac{c \sinh\left[x + ArcTanh\left[\frac{c}{b}\right]}{b \sqrt{1 - \frac{c^2$$

$$\frac{6}{5}\,b^{2}\,c\,\left[c\,\operatorname{AppellF1}\!\left[-\frac{1}{2}\,,\,\,-\frac{1}{2}\,,\,\,-\frac{1}{2}\,,\,\,\frac{1}{2}\,,\,\,\frac{a+b\,\sqrt{1-\frac{c^{2}}{b^{2}}}\,\operatorname{Cosh}\!\left[x+\operatorname{ArcTanh}\!\left[\frac{c}{b}\right]\right]}}{b\,\sqrt{1-\frac{c^{2}}{b^{2}}}\,\left[1+\frac{a}{b\,\sqrt{1-\frac{c^{2}}{b^{2}}}}\right]}\,,\,\,\frac{a+b\,\sqrt{1-\frac{c^{2}}{b^{2}}}\,\operatorname{Cosh}\!\left[x+\operatorname{ArcTanh}\!\left[\frac{c}{b}\right]\right]}}{b\,\sqrt{1-\frac{c^{2}}{b^{2}}}\,\left[-1+\frac{a}{b\,\sqrt{1-\frac{c^{2}}{b^{2}}}}\right]}\right]$$

$$\sqrt{-1 + \frac{a}{b\sqrt{1 - \frac{c^2}{b^2}}} - \frac{a + b\sqrt{1 - \frac{c^2}{b^2}} \ \text{Cosh}\left[x + \text{ArcTanh}\left[\frac{c}{b}\right]\right]}{b\sqrt{1 - \frac{c^2}{b^2}}}} } \sqrt{1 + \frac{a}{b\sqrt{1 - \frac{c^2}{b^2}}} - \frac{a + b\sqrt{1 - \frac{c^2}{b^2}} \ \text{Cosh}\left[x + \text{ArcTanh}\left[\frac{c}{b}\right]\right]}{b\sqrt{1 - \frac{c^2}{b^2}}}}$$

$$Sinh\left[x + ArcTanh\left[\frac{c}{b}\right]\right] \Bigg/ \left(b\sqrt{1 - \frac{c^2}{b^2}} \sqrt{-1 - Cosh\left[x + ArcTanh\left[\frac{c}{b}\right]\right]} \sqrt{1 - Cosh\left[x + ArcTanh\left[\frac{c}{b}\right]\right]} \right)$$

$$\sqrt{a+b\sqrt{1-\frac{c^2}{b^2}}} \; Cosh\big[x+ArcTanh\big[\frac{c}{b}\big]\big]} \\ \sqrt{1-\frac{\frac{c^2}{b^2}}{b\sqrt{1-\frac{c^2}{b^2}}}} \; Cosh\big[x+ArcTanh\big[\frac{c}{b}\big]\big]} \\ \sqrt{1-\frac{\frac{c^2}{b^2}}{b\sqrt{1-\frac{c^2}{b^2}}}} \left(-1+\frac{a}{b\sqrt{1-\frac{c^2}{b^2}}}\right)$$

$$\frac{a+b\sqrt{1-\frac{c^2}{b^2}}\ Cosh[x+ArcTanh[\frac{c}{b}]]}{b\sqrt{1-\frac{c^2}{b^2}}} \left(1+\frac{a}{b\sqrt{1-\frac{c^2}{b^2}}}\ Cosh[x+ArcTanh[\frac{c}{b}]]}\right) - \frac{2b\left[sh\sqrt{1-\frac{c^2}{b^2}}\ Cosh[x+ArcTanh[\frac{c}{b}]]}\right]}{b\sqrt{1-\frac{c^2}{b^2}}} \left(\frac{a+b\sqrt{1-\frac{c^2}{b^2}}\ Cosh[x+ArcTanh[\frac{c}{b}]]}}{b\sqrt{1-\frac{c^2}{b^2}}}\right) - \frac{3}{b\sqrt{1-\frac{c^2}{b^2}}} \left(\frac{a+b\sqrt{1-\frac{c^2}{b^2}}\ Cosh[x+ArcTanh[\frac{c}{b}]]}}{b\sqrt{1-\frac{c^2}{b^2}}}\right) - \frac{a+b\sqrt{1-\frac{c^2}{b^2}}\ Cosh[x+ArcTanh[\frac{c}{b}]]}}{b\sqrt{1-\frac{c^2}{b^2}}}\right) - \frac{3}{b\sqrt{1-\frac{c^2}{b^2}}} \left(\frac{a+b\sqrt{1-\frac{c^2}{b^2}}\ Cosh[x+ArcTanh[\frac{c}{b}]]}}{b\sqrt{1-\frac{c^2}{b^2}}}\right) - \frac{a+b\sqrt{1-\frac{c^2}{b^2}}\ Cosh[x+ArcTanh[\frac{c}{b}]]}}{b\sqrt{1-\frac{c^2}{b^2}}}\right)$$

$$= \frac{3}{b} e^{b} \left(\frac{a+b\sqrt{1-\frac{c^2}{b^2}}\ Cosh[x+ArcTanh[\frac{c}{b}]]}}{b\sqrt{1-\frac{c^2}{b^2}}}\right) - \frac{a+b\sqrt{1-\frac{c^2}{b^2}}\ Cosh[x+ArcTanh[\frac{c}{b}]]}}{b\sqrt{1-\frac{c^2}{b^2}}}\right)$$

$$= \frac{3}{b\sqrt{1-\frac{c^2}{b^2}}} \left(\frac{a+b\sqrt{1-\frac{c^2}{b^2}}\ Cosh[x+ArcTanh[\frac{c}{b}]]}}{b\sqrt{1-\frac{c^2}{b^2}}}\right) - \frac{a+b\sqrt{1-\frac{c^2}{b^2}}\ Cosh[x+ArcTanh[\frac{c}{b}]]}}{b\sqrt{1-\frac{c^2}{b^2}}}\right)$$

$$= \frac{a+b\sqrt{1-\frac{c^2}{b^2}}\ Cosh[x+ArcTanh[\frac{c}{b}]]}}{b\sqrt{1-\frac{c^2}{b^2}}} - \frac{a+b\sqrt{1-\frac{c^2}{b^2}}\ Cosh[x+ArcTanh[\frac{c}{b}]]}}{b\sqrt{1-\frac{c^2}{b^2}}}$$

$$\{(a + b Cosh[x] + c Sinh[x])^{3/2}, x, 4, 0\}$$

$$\frac{2}{3} \left( c \operatorname{Cosh}(\mathbf{x}) + b \operatorname{Sinh}(\mathbf{x}) \right) \sqrt{a + b \operatorname{Cosh}(\mathbf{x}) + c \operatorname{Sinh}(\mathbf{x})} + \\ 8 \text{ is a EllipticE} \left[ \frac{1}{4} \left( \pi - 2 \, i \, \left( \mathbf{x} + i \operatorname{ArcTan}[i \, c, \, b] \right) \right), \frac{2}{i \cdot \frac{1}{\sqrt{p^2 - a^2}}} \right] \sqrt{a + b \operatorname{Cosh}(\mathbf{x}) + c \operatorname{Sinh}(\mathbf{x})} \\ 3 \sqrt{\frac{a + b \operatorname{Cosh}(\mathbf{x}) + c \operatorname{Sinh}(\mathbf{x})}{a \cdot \sqrt{b^2 - a^2}}} \\ 2 \text{ i} \left( a^2 - b^2 + c^2 \right) \operatorname{EllipticF} \left[ \frac{1}{4} \left( \pi - 2 \, i \, \left( \mathbf{x} + i \operatorname{ArcTan}[i \, c, \, b] \right) \right), \frac{2}{i \cdot \frac{1}{\sqrt{p^2 - a^2}}} \right] \sqrt{\frac{a + b \operatorname{Cosh}(\mathbf{x}) + c \operatorname{Sinh}(\mathbf{x})}{a \cdot \sqrt{b^2 - a^2}}} \\ 3 \sqrt{a + b \operatorname{Cosh}(\mathbf{x}) + c \operatorname{Sinh}(\mathbf{x})} \\ 3 \sqrt{a + b \operatorname{Cosh}(\mathbf{x}) + c \operatorname{Sinh}(\mathbf{x})} + \\ 2 a^2 \operatorname{AppellFI} \left[ \frac{1}{2}, \frac{1}{2}, \frac{1}{2}, \frac{3}{2}, \frac{i}{2}, \frac{i}{2}, \frac{i}{2} \left( a + \sqrt{1 - \frac{b^2}{c^2}} \, c \operatorname{Sinh}[\mathbf{x} + \operatorname{ArcTanh}\left[\frac{b}{c}\right]]} \right) - \frac{i}{\sqrt{1 - \frac{b^2}{c^2}}} \left( a + \sqrt{1 - \frac{b^2}{c^2}} \, c \operatorname{Sinh}[\mathbf{x} + \operatorname{ArcTanh}\left[\frac{b}{c}\right]]} \right) \\ \times \operatorname{ArcTanh} \left[ \frac{b}{c} \right] \sqrt{-1 + i \, \operatorname{Sinh}\left[\mathbf{x} + \operatorname{ArcTanh}\left[\frac{b}{c}\right]\right]} \sqrt{1 + i \, \operatorname{Sinh}\left[\mathbf{x} + \operatorname{ArcTanh}\left[\frac{b}{c}\right]\right]} \sqrt{a + \sqrt{1 - \frac{b^2}{c^2}}} \, c \operatorname{Sinh}\left[\mathbf{x} + \operatorname{ArcTanh}\left[\frac{b}{c}\right]\right]} \\ \sqrt{1 - \frac{b^2}{c^2}} \left( -1 - \frac{i \, a}{\sqrt{1 - \frac{b^2}{c^2}}} \, c \operatorname{Sinh}\left[\mathbf{x} + \operatorname{ArcTanh}\left[\frac{b}{c}\right]\right]} \right) - \frac{i}{\sqrt{1 - \frac{b^2}{c^2}}} \left( -1 - \frac{i \, a}{\sqrt{1 - \frac{b^2}{c^2}}}} \, c \right) \\ \sqrt{1 - \frac{b^2}{c^2}}} \left( -1 - \frac{i \, a}{\sqrt{1 - \frac{b^2}{c^2}}}} \, c \right) - \frac{i}{\sqrt{1 - \frac{b^2}{c^2}}}} \left( -1 - \frac{i \, a}{\sqrt{1 - \frac{b^2}{c^2}}}} \, c \right) - \frac{i}{\sqrt{1 - \frac{b^2}{c^2}}} \left( -1 - \frac{i \, a}{\sqrt{1 - \frac{b^2}{c^2}}}} \, c \right) - \frac{i}{\sqrt{1 - \frac{b^2}{c^2}}}} \left( -1 - \frac{i \, a}{\sqrt{1 - \frac{b^2}{c^2}}}} \, c \right) - \frac{i}{\sqrt{1 - \frac{b^2}{c^2}}}} \left( -1 - \frac{i \, a}{\sqrt{1 - \frac{b^2}{c^2}}}} \, c \right) - \frac{i}{\sqrt{1 - \frac{b^2}{c^2}}}} \left( -1 - \frac{i \, a}{\sqrt{1 - \frac{b^2}{c^2}}}} \, c \right) - \frac{i}{\sqrt{1 - \frac{b^2}{c^2}}}} \left( -1 - \frac{i \, a}{\sqrt{1 - \frac{b^2}{c^2}}}} \, c \right) - \frac{i}{\sqrt{1 - \frac{b^2}{c^2}}}} \left( -1 - \frac{i \, a}{\sqrt{1 - \frac{b^2}{c^2}}}} \, c \right) - \frac{i}{\sqrt{1 - \frac{b^2}{c^2}}}} \left( -1 - \frac{i}{\sqrt{1 - \frac{b^2}{c^2}}}} \, c \right) - \frac{i}{\sqrt{1 - \frac{b^2}{c^2}}}} \left( -1 - \frac{i}{\sqrt{1 - \frac{b^2}{c^2}}}} \, c \right) - \frac{i}{\sqrt{1 - \frac{b^2}{c^2}}} \left( -1 - \frac{i}{\sqrt{1 - \frac{b^2}{c^2}}}} \, c \right) - \frac{i$$

$$\sqrt{1-\frac{\text{i a}}{\sqrt{1-\frac{b^2}{c^2}}}} + \frac{\text{i } \left(\text{a} + \sqrt{1-\frac{b^2}{c^2}} \text{ c } \text{Sinh}\left[\text{x} + \text{ArcTanh}\left[\frac{b}{c}\right]\right]\right)}{\sqrt{1-\frac{b^2}{c^2}}} \text{ c}$$

$$2 \, b^2 \, AppellF1 \Big[ \frac{1}{2}, \, \frac{1}{2}, \, \frac{1}{2}, \, \frac{3}{2}, \, -\frac{i \left[ a + \sqrt{1 - \frac{b^2}{c^2}} \, \, c \, Sinh \left[ x + ArcTanh \left[ \frac{b}{c} \right] \, \right] \right)}{\sqrt{1 - \frac{b^2}{c^2}} \, \left[ 1 - \frac{i \, a}{\sqrt{1 - \frac{b^2}{c^2}} \, \, c} \right] c}, \, -\frac{i \left[ a + \sqrt{1 - \frac{b^2}{c^2}} \, \, c \, Sinh \left[ x + ArcTanh \left[ \frac{b}{c} \right] \, \right] \right]}{\sqrt{1 - \frac{b^2}{c^2}} \, \left[ 1 - \frac{i \, a}{\sqrt{1 - \frac{b^2}{c^2}} \, \, c} \right] c} \Big] \, Sech \Big[$$

$$x + \operatorname{ArcTanh}\left[\frac{b}{c}\right] \sqrt{-1 + i \operatorname{Sinh}\left[x + \operatorname{ArcTanh}\left[\frac{b}{c}\right]\right]} \sqrt{1 + i \operatorname{Sinh}\left[x + \operatorname{ArcTanh}\left[\frac{b}{c}\right]\right]} \sqrt{a + \sqrt{1 - \frac{b^2}{c^2}}} \operatorname{cSinh}\left[x + \operatorname{ArcTanh}\left[\frac{b}{c}\right]\right]$$

$$\begin{array}{c|c} & i \left(a + \sqrt{1 - \frac{b^2}{c^2}} \ c \ Sinh \left[x + ArcTanh \left[\frac{b}{c}\right]\right]\right) \\ 1 + & \\ & \sqrt{1 - \frac{b^2}{c^2}} \ \left[-1 - \frac{i \ a}{\sqrt{1 - \frac{b^2}{c^2}} \ c}\right] c \end{array} \end{array} \right) \\ \\ \sqrt{1 - \frac{b^2}{c^2}} \left(-1 - \frac{i \ a}{\sqrt{1 - \frac{b^2}{c^2}} \ c}\right) c \\ \\ \sqrt{1 - \frac{b^2}{c^2}} \left(1 - \frac{i \ a}{\sqrt{1 - \frac{b^2}{c^2}} \ c}\right) c \\ \end{array} \right)$$

$$\left( 3\sqrt{1-\frac{b^2}{c^2}} \cdot c \sqrt{1-\frac{\frac{i}{b^2}}{\sqrt{1-\frac{b^2}{c^2}}} \cdot c} + \frac{i\left(a+\sqrt{1-\frac{b^2}{c^2}} \cdot c \cdot Sinh\left[x+ArcTanh\left[\frac{b}{c}\right]\right]\right)}{\sqrt{1-\frac{b^2}{c^2}} \cdot c} \right)$$

$$\sqrt{1-\frac{\text{i a}}{\sqrt{1-\frac{b^2}{c^2}}}} + \frac{\text{i }\left[\text{a}+\sqrt{1-\frac{b^2}{c^2}} \text{ c Sinh}\left[\text{x}+\text{ArcTanh}\left[\frac{b}{c}\right]\right]\right]}{\sqrt{1-\frac{b^2}{c^2}}} \text{ c}}$$

$$\left[ 2 \text{ c AppellF1} \left[ \frac{1}{2}, \frac{1}{2}, \frac{1}{2}, \frac{3}{2}, -\frac{i \left( a + \sqrt{1 - \frac{b^2}{c^2}} \text{ c Sinh} \left[ x + \text{ArcTanh} \left[ \frac{b}{c} \right] \right] \right)}{\sqrt{1 - \frac{b^2}{c^2}}} \left( 1 - \frac{i a}{\sqrt{1 - \frac{b^2}{c^2}}} \right) c \right. \\ \left. - \frac{i \left( a + \sqrt{1 - \frac{b^2}{c^2}} \text{ c Sinh} \left[ x + \text{ArcTanh} \left[ \frac{b}{c} \right] \right] \right)}{\sqrt{1 - \frac{b^2}{c^2}}} \right] \text{ Sech} \left[ -1 - \frac{i a}{\sqrt{1 - \frac{b^2}{c^2}}} \right] c$$

$$x + ArcTanh\left[\frac{b}{c}\right] \sqrt{-1 + i Sinh\left[x + ArcTanh\left[\frac{b}{c}\right]\right]} \sqrt{1 + i Sinh\left[x + ArcTanh\left[\frac{b}{c}\right]\right]} \sqrt{a} + \sqrt{1 - \frac{b^2}{c^2}} c Sinh\left[x + ArcTanh\left[\frac{b}{c}\right]\right]$$

$$\begin{array}{c|c} & i \left(a + \sqrt{1 - \frac{b^2}{c^2}} \ c \ Sinh \left[x + ArcTanh \left[\frac{b}{c}\right]\right]\right) \\ 1 + & & \\ & \sqrt{1 - \frac{b^2}{c^2}} \ \left[-1 - \frac{i \ a}{\sqrt{1 - \frac{b^2}{c^2}} \ c}\right] c \end{array} \end{array} \\ \begin{array}{c|c} & 1 + & \\ & & \\ & & \sqrt{1 - \frac{b^2}{c^2}} \ \left[1 - \frac{i \ a}{\sqrt{1 - \frac{b^2}{c^2}} \ c}\right] c \end{array} \\ \end{array}$$

$$\left( 3 \sqrt{1 - \frac{b^2}{c^2}} \sqrt{1 - \frac{\frac{i}{a}a}{\sqrt{1 - \frac{b^2}{c^2}}}} + \frac{i \left( a + \sqrt{1 - \frac{b^2}{c^2}} \right) c \left( \sinh\left[x + ArcTanh\left[\frac{b}{c}\right]\right] \right)}{\sqrt{1 - \frac{b^2}{c^2}}} \right)$$

$$\sqrt{1 - \frac{\text{i a}}{\sqrt{1 - \frac{b^2}{c^2}}}} + \frac{\text{i} \left[ a + \sqrt{1 - \frac{b^2}{c^2}} \text{ c Sinh} \left[ x + \text{ArcTanh} \left[ \frac{b}{c} \right] \right] \right]}{\sqrt{1 - \frac{b^2}{c^2}}} \text{ c}$$

$$\sqrt{-1 + \frac{a}{b\sqrt{1 - \frac{c^2}{b^2}}}} - \frac{a + b\sqrt{1 - \frac{c^2}{b^2}} \cdot Cosh\left[x + ArcTanh\left[\frac{c}{b}\right]\right]}{b\sqrt{1 - \frac{c^2}{b^2}}}} \sqrt{1 + \frac{a}{b\sqrt{1 - \frac{c^2}{b^2}}}} - \frac{a + b\sqrt{1 - \frac{c^2}{b^2}} \cdot Cosh\left[x + ArcTanh\left[\frac{c}{b}\right]\right]}{b\sqrt{1 - \frac{c^2}{b^2}}}$$

$$Sinh\left[x + ArcTanh\left[\frac{c}{b}\right]\right] \Bigg/ \left(b\sqrt{1 - \frac{c^2}{b^2}} \sqrt{-1 - Cosh\left[x + ArcTanh\left[\frac{c}{b}\right]\right]} \sqrt{1 - Cosh\left[x + ArcTanh\left[\frac{c}{b}\right]\right]} \right)$$

$$\sqrt{a+b\sqrt{1-\frac{c^2}{b^2}}} \hspace{0.1cm} Cosh\big[x+ArcTanh\big[\frac{c}{b}\big]\big]} \hspace{0.1cm} 1 - \frac{a+b\sqrt{1-\frac{c^2}{b^2}}}{b\sqrt{1-\frac{c^2}{b^2}}} \hspace{0.1cm} Cosh\big[x+ArcTanh\big[\frac{c}{b}\big]\big]} \\ b\sqrt{1-\frac{c^2}{b^2}} \hspace{0.1cm} \left(-1+\frac{a}{b\sqrt{1-\frac{c^2}{b^2}}}\right)$$

$$1 - \frac{a + b \sqrt{1 - \frac{c^2}{b^2}} \ \text{Cosh} \left[ x + \text{ArcTanh} \left[ \frac{c}{b} \right] \right]}{b \sqrt{1 - \frac{c^2}{b^2}} \ \left[ 1 + \frac{a}{b \sqrt{1 - \frac{c^2}{b^2}}} \right] } - \frac{-\frac{2 \, b \left[ a + b \sqrt{1 - \frac{c^2}{b^2}} \ \text{Cosh} \left[ x + \text{ArcTanh} \left[ \frac{c}{b} \right] \right] \right]}{b^2 - c^2} + \frac{c \, \text{Sinh} \left[ x + \text{ArcTanh} \left[ \frac{c}{b} \right] \right]}{b \sqrt{1 - \frac{c^2}{b^2}}} + \frac{c \, \text{Sinh} \left[ x + \text{ArcTanh} \left[ \frac{c}{b} \right] \right]}{b \sqrt{1 - \frac{c^2}{b^2}}} + \frac{c \, \text{Sinh} \left[ x + \text{ArcTanh} \left[ \frac{c}{b} \right] \right]}{b \sqrt{1 - \frac{c^2}{b^2}}} + \frac{c \, \text{Sinh} \left[ x + \text{ArcTanh} \left[ \frac{c}{b} \right] \right]}{b \sqrt{1 - \frac{c^2}{b^2}}} + \frac{c \, \text{Sinh} \left[ x + \text{ArcTanh} \left[ \frac{c}{b} \right] \right]}{b \sqrt{1 - \frac{c^2}{b^2}}} + \frac{c \, \text{Sinh} \left[ x + \text{ArcTanh} \left[ \frac{c}{b} \right] \right]}{b \sqrt{1 - \frac{c^2}{b^2}}} + \frac{c \, \text{Sinh} \left[ x + \text{ArcTanh} \left[ \frac{c}{b} \right] \right]}{b \sqrt{1 - \frac{c^2}{b^2}}} + \frac{c \, \text{Sinh} \left[ x + \text{ArcTanh} \left[ \frac{c}{b} \right] \right]}{b \sqrt{1 - \frac{c^2}{b^2}}} + \frac{c \, \text{Sinh} \left[ x + \text{ArcTanh} \left[ \frac{c}{b} \right] \right]}{b \sqrt{1 - \frac{c^2}{b^2}}} + \frac{c \, \text{Sinh} \left[ x + \text{ArcTanh} \left[ \frac{c}{b} \right] \right]}{b \sqrt{1 - \frac{c^2}{b^2}}} + \frac{c \, \text{Sinh} \left[ x + \text{ArcTanh} \left[ \frac{c}{b} \right] \right]}{b \sqrt{1 - \frac{c^2}{b^2}}} + \frac{c \, \text{Sinh} \left[ x + \text{ArcTanh} \left[ \frac{c}{b} \right] \right]}{b \sqrt{1 - \frac{c^2}{b^2}}} + \frac{c \, \text{Sinh} \left[ x + \text{ArcTanh} \left[ \frac{c}{b} \right] \right]}{b \sqrt{1 - \frac{c^2}{b^2}}} + \frac{c \, \text{Sinh} \left[ x + \text{ArcTanh} \left[ \frac{c}{b} \right] \right]}{b \sqrt{1 - \frac{c^2}{b^2}}} + \frac{c \, \text{Sinh} \left[ x + \text{ArcTanh} \left[ \frac{c}{b} \right] \right]}{b \sqrt{1 - \frac{c^2}{b^2}}} + \frac{c \, \text{Sinh} \left[ x + \text{ArcTanh} \left[ \frac{c}{b} \right] \right]}{b \sqrt{1 - \frac{c^2}{b^2}}} + \frac{c \, \text{Sinh} \left[ x + \text{ArcTanh} \left[ \frac{c}{b} \right] \right]}{b \sqrt{1 - \frac{c^2}{b^2}}} + \frac{c \, \text{Sinh} \left[ x + \text{ArcTanh} \left[ \frac{c}{b} \right] \right]}{b \sqrt{1 - \frac{c^2}{b^2}}} + \frac{c \, \text{Sinh} \left[ x + \text{ArcTanh} \left[ \frac{c}{b} \right] \right]}{b \sqrt{1 - \frac{c^2}{b^2}}} + \frac{c \, \text{Sinh} \left[ x + \text{ArcTanh} \left[ \frac{c}{b} \right] \right]}{b \sqrt{1 - \frac{c^2}{b^2}}} + \frac{c \, \text{Sinh} \left[ x + \text{ArcTanh} \left[ \frac{c}{b} \right] \right]}{b \sqrt{1 - \frac{c^2}{b^2}}} + \frac{c \, \text{Sinh} \left[ x + \text{ArcTanh} \left[ \frac{c}{b} \right] \right]}{b \sqrt{1 - \frac{c^2}{b^2}}} + \frac{c \, \text{Sinh} \left[ x + \text{ArcTanh} \left[ \frac{c}{b} \right] \right]}{b \sqrt{1 - \frac{c^2}{b^2}}} + \frac{c \, \text{Sinh} \left[ x + \text{ArcTanh} \left[ \frac{c}{b} \right] \right]}{b \sqrt{1 - \frac{c^2}{b^2}}} + \frac{c \, \text{Sinh} \left[ x + \text{Ar$$

$$\frac{4}{3} \text{ a c} \left[ \text{c AppellF1} \left[ -\frac{1}{2}, -\frac{1}{2}, -\frac{1}{2}, \frac{1}{2}, \frac{1}{2}, \frac{a + b\sqrt{1 - \frac{c^2}{b^2}} \; \text{Cosh} \left[ x + \text{ArcTanh} \left[ \frac{c}{b} \right] \right]}}{b\sqrt{1 - \frac{c^2}{b^2}} \left[ 1 + \frac{a}{b\sqrt{1 - \frac{c^2}{b^2}}} \right]}, \frac{a + b\sqrt{1 - \frac{c^2}{b^2}} \; \text{Cosh} \left[ x + \text{ArcTanh} \left[ \frac{c}{b} \right] \right]}{b\sqrt{1 - \frac{c^2}{b^2}} \left[ -1 + \frac{a}{b\sqrt{1 - \frac{c^2}{b^2}}} \right]} \right]$$

$$\sqrt{-1 + \frac{a}{b\sqrt{1 - \frac{c^2}{b^2}}}} - \frac{a + b\sqrt{1 - \frac{c^2}{b^2}} \cdot Cosh\left[x + ArcTanh\left[\frac{c}{b}\right]\right]}{b\sqrt{1 - \frac{c^2}{b^2}}}} \sqrt{1 + \frac{a}{b\sqrt{1 - \frac{c^2}{b^2}}}} - \frac{a + b\sqrt{1 - \frac{c^2}{b^2}} \cdot Cosh\left[x + ArcTanh\left[\frac{c}{b}\right]\right]}{b\sqrt{1 - \frac{c^2}{b^2}}}$$

$$Sinh \left[ x + ArcTanh \left[ \frac{c}{b} \right] \right] \Bigg/ \left[ b \sqrt{1 - \frac{c^2}{b^2}} \sqrt{-1 - Cosh \left[ x + ArcTanh \left[ \frac{c}{b} \right] \right]} \sqrt{1 - Cosh \left[ x + ArcTanh \left[ \frac{c}{b} \right] \right]} \right]$$

$$\sqrt{a+b\sqrt{1-\frac{c^2}{b^2}}} \hspace{0.1cm} Cosh\big[x+ArcTanh\big[\frac{c}{b}\big]\big]} \hspace{0.1cm} \sqrt{1-\frac{\frac{c^2}{b^2}}{b}} \hspace{0.1cm} Cosh\big[x+ArcTanh\big[\frac{c}{b}\big]\big]} \\ \sqrt{1-\frac{\frac{c^2}{b^2}}{b}} \hspace{0.1cm} \left(-1+\frac{a}{b\sqrt{1-\frac{c^2}{b^2}}}\right)$$

$$\sqrt{1 - \frac{\frac{c^2}{b^2} \left[ \cosh\left[\mathbf{x} + \operatorname{ArcTanh}\left[\frac{c}{b}\right]\right]}{b\sqrt{1 - \frac{c^2}{b^2}} \left[ 1 + \frac{a}{b\sqrt{1 - \frac{c^2}{b^2}}} \right]}} + \frac{-\frac{2 b \left[ \mathbf{a} + \mathbf{b} \sqrt{1 - \frac{c^2}{b^2}} \right] \cosh\left[\mathbf{x} + \operatorname{ArcTanh}\left[\frac{c}{b}\right]\right]}{b\sqrt{1 - \frac{c^2}{b^2}}} + \frac{c \sinh\left[\mathbf{x} + \operatorname{ArcTanh}\left[\frac{c}{b}\right]}{b\sqrt{1 - \frac{c^2}{b^2}}} + \frac{c \sinh\left[\mathbf{x} + \operatorname{ArcTanh}\left[\frac{c}{b}\right]}{b\sqrt{1 - \frac{c^2}{b^2}}} + \frac{c \sinh\left[\mathbf{x} + \operatorname{ArcTanh}\left[\frac{c}{b}\right]}{b\sqrt{1 - \frac{c^2}{b^2}}}} + \frac{c \sinh\left[\mathbf{x} + \operatorname{ArcTanh}\left[\frac{c}{b}\right]}{b\sqrt{1 - \frac{c^2}{b^2}}} + \frac{c \sinh\left[\mathbf{x} + \operatorname{ArcTanh}\left[\frac{c}{b}\right]}{b\sqrt{1 - \frac{c^$$

$$\left\{\sqrt{a+b\, Cosh[x]+c\, Sinh[x]}, x, 1, 0\right\}$$

$$\frac{2 \, \, \mathbb{i} \, \, \text{EllipticE} \left[ \, \frac{1}{4} \, \left( \pi - 2 \, \, \mathbb{i} \, \left( \mathbf{x} + \mathbb{i} \, \, \text{ArcTan} \left[ \, \mathbb{i} \, \, \mathbf{c} \, , \, \, \mathbf{b} \, \right] \, \right) \, , \, \, \frac{2}{1 - \frac{a}{\sqrt{\mathbf{b}^2 - \mathbf{c}^2}}} \right] \, \sqrt{a + b \, \text{Cosh} \left[ \mathbf{x} \, \right] + \mathbf{c} \, \text{Sinh} \left[ \mathbf{x} \, \right]}}{\sqrt{\frac{a + b \, \text{Cosh} \left[ \mathbf{x} \, \right] + \mathbf{c} \, \text{Sinh} \left[ \mathbf{x} \, \right]}{a - \sqrt{\mathbf{b}^2 - \mathbf{c}^2}}}}}$$

$$\sqrt{\frac{a + b \hspace{0.1cm} Cosh[\hspace{0.1cm} \mathtt{x}\hspace{0.1cm}] + c \hspace{0.1cm} Sinh[\hspace{0.1cm} \mathtt{x}\hspace{0.1cm}]}{a - \sqrt{b^2 - c^2}}}$$

$$\frac{2 b \sqrt{a + b \operatorname{Cosh}[x] + c \operatorname{Sinh}[x]}}{a + b \operatorname{Cosh}[x]} + \frac{1}{a + b \operatorname{Cosh}[x]} + \frac{1}{a$$

$$2 \text{ a AppellF1} \left[ \frac{1}{2}, \frac{1}{2}, \frac{1}{2}, \frac{1}{2}, \frac{3}{2}, -\frac{i \left( a + \sqrt{1 - \frac{b^2}{c^2}} \text{ c Sinh} \left[ x + \text{ArcTanh} \left[ \frac{b}{c} \right] \right] \right)}{\sqrt{1 - \frac{b^2}{c^2}} \left( 1 - \frac{i \text{ a}}{\sqrt{1 - \frac{b^2}{c^2}} \text{ c}} \right) \text{ c}}, -\frac{i \left( a + \sqrt{1 - \frac{b^2}{c^2}} \text{ c Sinh} \left[ x + \text{ArcTanh} \left[ \frac{b}{c} \right] \right] \right)}{\sqrt{1 - \frac{b^2}{c^2}} \left( -1 - \frac{i \text{ a}}{\sqrt{1 - \frac{b^2}{c^2}} \text{ c}}} \right) \text{ c}} \right] \text{ Sech} \left[ \frac{1 - \frac{b^2}{c^2}}{\sqrt{1 - \frac{b^2}{c^2}}} \left( -1 - \frac{i \text{ a}}{\sqrt{1 - \frac{b^2}{c^2}}} \right) \text{ c}} \right]$$

$$\begin{aligned} x + & \operatorname{ArcTanh}\left[\frac{b}{c}\right] \right] \sqrt{-1 + i \, \operatorname{Sinh}\left[x + \operatorname{ArcTanh}\left[\frac{b}{c}\right]\right]} & \sqrt{1 + i \, \operatorname{Sinh}\left[x + \operatorname{ArcTanh}\left[\frac{b}{c}\right]\right]} & \sqrt{a + \sqrt{1 - \frac{b^2}{c^2}}} \, c \, \operatorname{Sinh}\left[x + \operatorname{ArcTanh}\left[\frac{b}{c}\right]\right] \\ & 1 + \frac{i \left(a + \sqrt{1 - \frac{b^2}{c^2}} \, c \, \operatorname{Sinh}\left[x + \operatorname{ArcTanh}\left[\frac{b}{c}\right]\right]\right)}{\sqrt{1 - \frac{b^2}{c^2}}} & \sqrt{1 - \frac{i \, a}{\sqrt{1 - \frac{b^2}{c^2}}}} \, c \end{aligned} \\ & \sqrt{1 - \frac{b^2}{c^2}} \left(-1 - \frac{i \, a}{\sqrt{1 - \frac{b^2}{c^2}}} \, c \right) c \end{aligned}$$

$$\sqrt{1-\frac{b^2}{c^2}} \ c \sqrt{-1-\frac{\frac{i}{a}a}{\sqrt{1-\frac{b^2}{c^2}}} \ c} + \frac{i\left[a+\sqrt{1-\frac{b^2}{c^2}} \ c \ Sinh\left[x+ArcTanh\left[\frac{b}{c}\right]\right]\right]}{\sqrt{1-\frac{b^2}{c^2}}} \ c}$$

$$\sqrt{1 - \frac{\text{i a}}{\sqrt{1 - \frac{b^2}{c^2}}}} + \frac{\text{i} \left( \text{a} + \sqrt{1 - \frac{b^2}{c^2}} \text{ c Sinh} \left[ \text{x} + \text{ArcTanh} \left[ \frac{b}{c} \right] \right] \right)}{\sqrt{1 - \frac{b^2}{c^2}}} \text{ c}$$

$$\frac{1}{c} \, b^2 \left[ c \, \operatorname{AppellF1} \left[ -\frac{1}{2} \,,\, -\frac{1}{2} \,,\, -\frac{1}{2} \,,\, \frac{1}{2} \,,\, \frac{a+b\sqrt{1-\frac{c^2}{b^2}} \, \operatorname{Cosh} \left[ x + \operatorname{ArcTanh} \left[ \frac{c}{b} \right] \right]}}{b\sqrt{1-\frac{c^2}{b^2}} \, \left[ 1 + \frac{a}{b\sqrt{1-\frac{c^2}{b^2}}} \right]} \,,\, \frac{a+b\sqrt{1-\frac{c^2}{b^2}} \, \operatorname{Cosh} \left[ x + \operatorname{ArcTanh} \left[ \frac{c}{b} \right] \right]}{b\sqrt{1-\frac{c^2}{b^2}} \, \left[ -1 + \frac{a}{b\sqrt{1-\frac{c^2}{b^2}}} \right]} \right]$$

$$\sqrt{-1 + \frac{a}{b\sqrt{1 - \frac{c^2}{b^2}}}} - \frac{a + b\sqrt{1 - \frac{c^2}{b^2}} \ \text{Cosh}\left[x + \text{ArcTanh}\left[\frac{c}{b}\right]\right]}{b\sqrt{1 - \frac{c^2}{b^2}}}} \sqrt{1 + \frac{a}{b\sqrt{1 - \frac{c^2}{b^2}}}} - \frac{a + b\sqrt{1 - \frac{c^2}{b^2}} \ \text{Cosh}\left[x + \text{ArcTanh}\left[\frac{c}{b}\right]\right]}{b\sqrt{1 - \frac{c^2}{b^2}}}}$$

$$Sinh \left[ x + ArcTanh \left[ \frac{c}{b} \right] \right] \Bigg/ \left[ b \sqrt{1 - \frac{c^2}{b^2}} \sqrt{-1 - Cosh \left[ x + ArcTanh \left[ \frac{c}{b} \right] \right]} \sqrt{1 - Cosh \left[ x + ArcTanh \left[ \frac{c}{b} \right] \right]} \right]$$

$$\sqrt{a+b\sqrt{1-\frac{c^2}{b^2}}} \hspace{0.1cm} Cosh\big[x+ArcTanh\big[\frac{c}{b}\big]\big]} \hspace{0.1cm} \sqrt{1-\frac{\frac{c^2}{b^2}}{b}} \hspace{0.1cm} Cosh\big[x+ArcTanh\big[\frac{c}{b}\big]\big]} \hspace{0.1cm} b\sqrt{1-\frac{\frac{c^2}{b^2}}{b^2}} \hspace{0.1cm} \left(-1+\frac{a}{b\sqrt{1-\frac{c^2}{b^2}}}\right)$$

$$1 - \frac{a + b \sqrt{1 - \frac{c^2}{b^2}} \ \text{Cosh} \left[ x + \text{ArcTanh} \left[ \frac{c}{b} \right] \right]}{b \sqrt{1 - \frac{c^2}{b^2}} \ \left[ 1 + \frac{a}{b \sqrt{1 - \frac{c^2}{b^2}}} \right] } - \frac{-\frac{2 \, b \left[ a + b \sqrt{1 - \frac{c^2}{b^2}} \ \text{Cosh} \left[ x + \text{ArcTanh} \left[ \frac{c}{b} \right] \right] \right]}{b^2 - c^2} + \frac{c \, \text{Sinh} \left[ x + \text{ArcTanh} \left[ \frac{c}{b} \right] \right]}{b \sqrt{1 - \frac{c^2}{b^2}}} + \frac{c \, \text{Sinh} \left[ x + \text{ArcTanh} \left[ \frac{c}{b} \right] \right]}{b \sqrt{1 - \frac{c^2}{b^2}}} + \frac{c \, \text{Sinh} \left[ x + \text{ArcTanh} \left[ \frac{c}{b} \right] \right]}{b \sqrt{1 - \frac{c^2}{b^2}}} + \frac{c \, \text{Sinh} \left[ x + \text{ArcTanh} \left[ \frac{c}{b} \right] \right]}{b \sqrt{1 - \frac{c^2}{b^2}}} + \frac{c \, \text{Sinh} \left[ x + \text{ArcTanh} \left[ \frac{c}{b} \right] \right]}{b \sqrt{1 - \frac{c^2}{b^2}}} + \frac{c \, \text{Sinh} \left[ x + \text{ArcTanh} \left[ \frac{c}{b} \right] \right]}{b \sqrt{1 - \frac{c^2}{b^2}}} + \frac{c \, \text{Sinh} \left[ x + \text{ArcTanh} \left[ \frac{c}{b} \right] \right]}{b \sqrt{1 - \frac{c^2}{b^2}}} + \frac{c \, \text{Sinh} \left[ x + \text{ArcTanh} \left[ \frac{c}{b} \right] \right]}{b \sqrt{1 - \frac{c^2}{b^2}}} + \frac{c \, \text{Sinh} \left[ x + \text{ArcTanh} \left[ \frac{c}{b} \right] \right]}{b \sqrt{1 - \frac{c^2}{b^2}}} + \frac{c \, \text{Sinh} \left[ x + \text{ArcTanh} \left[ \frac{c}{b} \right] \right]}{b \sqrt{1 - \frac{c^2}{b^2}}} + \frac{c \, \text{Sinh} \left[ x + \text{ArcTanh} \left[ \frac{c}{b} \right] \right]}{b \sqrt{1 - \frac{c^2}{b^2}}} + \frac{c \, \text{Sinh} \left[ x + \text{ArcTanh} \left[ \frac{c}{b} \right] \right]}{b \sqrt{1 - \frac{c^2}{b^2}}} + \frac{c \, \text{Sinh} \left[ x + \text{ArcTanh} \left[ \frac{c}{b} \right] \right]}{b \sqrt{1 - \frac{c^2}{b^2}}} + \frac{c \, \text{Sinh} \left[ x + \text{ArcTanh} \left[ \frac{c}{b} \right] \right]}{b \sqrt{1 - \frac{c^2}{b^2}}}} + \frac{c \, \text{Sinh} \left[ x + \text{ArcTanh} \left[ \frac{c}{b} \right] \right]}{b \sqrt{1 - \frac{c^2}{b^2}}} + \frac{c \, \text{Sinh} \left[ x + \text{ArcTanh} \left[ \frac{c}{b} \right] \right]}{b \sqrt{1 - \frac{c^2}{b^2}}} + \frac{c \, \text{Sinh} \left[ x + \text{ArcTanh} \left[ \frac{c}{b} \right] \right]}{b \sqrt{1 - \frac{c^2}{b^2}}} + \frac{c \, \text{Sinh} \left[ x + \text{ArcTanh} \left[ \frac{c}{b} \right] \right]}{b \sqrt{1 - \frac{c^2}{b^2}}} + \frac{c \, \text{Sinh} \left[ x + \text{ArcTanh} \left[ \frac{c}{b} \right] \right]}{b \sqrt{1 - \frac{c^2}{b^2}}} + \frac{c \, \text{Sinh} \left[ x + \text{ArcTanh} \left[ \frac{c}{b} \right] \right]}{b \sqrt{1 - \frac{c^2}{b^2}}} + \frac{c \, \text{Sinh} \left[ x + \text{ArcTanh} \left[ \frac{c}{b} \right]}{b \sqrt{1 - \frac{c^2}{b^2}}} + \frac{c \, \text{Sinh} \left[ x + \text{ArcTanh} \left[ \frac{c}{b} \right] \right]}{b \sqrt{1 - \frac{c^2}{b^2}}} + \frac{c \, \text{Sinh} \left[ x + \text{ArcTanh} \left[ \frac{c}{b} \right]}{b \sqrt{1 - \frac{c^2}{b^2}}} \right]}$$

$$c \left[ c \, \operatorname{AppellF1} \left[ -\frac{1}{2} \,,\, -\frac{1}{2} \,,\, -\frac{1}{2} \,,\, \frac{1}{2} \,,\, \frac{a+b\sqrt{1-\frac{c^2}{b^2}} \, \operatorname{Cosh} \left[ x + \operatorname{ArcTanh} \left[ \frac{c}{b} \right] \right]}{b\sqrt{1-\frac{c^2}{b^2}} \, \left[ 1 + \frac{a}{b\sqrt{1-\frac{c^2}{b^2}}} \right]} \,,\, \frac{a+b\sqrt{1-\frac{c^2}{b^2}} \, \operatorname{Cosh} \left[ x + \operatorname{ArcTanh} \left[ \frac{c}{b} \right] \right]}{b\sqrt{1-\frac{c^2}{b^2}} \, \left[ -1 + \frac{a}{b\sqrt{1-\frac{c^2}{b^2}}} \right]} \right]$$

$$\sqrt{-1 + \frac{a}{b\sqrt{1 - \frac{c^2}{b^2}}} - \frac{a + b\sqrt{1 - \frac{c^2}{b^2}} \ \text{Cosh}\left[x + \text{ArcTanh}\left[\frac{c}{b}\right]\right]}{b\sqrt{1 - \frac{c^2}{b^2}}}} \sqrt{1 + \frac{a}{b\sqrt{1 - \frac{c^2}{b^2}}} - \frac{a + b\sqrt{1 - \frac{c^2}{b^2}} \ \text{Cosh}\left[x + \text{ArcTanh}\left[\frac{c}{b}\right]\right]}{b\sqrt{1 - \frac{c^2}{b^2}}}}$$

$$Sinh \left[ x + ArcTanh \left[ \frac{c}{b} \right] \right] \Bigg/ \left[ b \sqrt{1 - \frac{c^2}{b^2}} \sqrt{-1 - Cosh \left[ x + ArcTanh \left[ \frac{c}{b} \right] \right]} \sqrt{1 - Cosh \left[ x + ArcTanh \left[ \frac{c}{b} \right] \right]} \right]$$

$$\sqrt{a+b\sqrt{1-\frac{c^2}{b^2}}} \ \ Cosh\big[x+ArcTanh\big[\frac{c}{b}\big]\big]} \ \ \sqrt{1-\frac{\frac{c^2}{b^2}}{b}} \ \ Cosh\big[x+ArcTanh\big[\frac{c}{b}\big]\big]} \ \ \sqrt{1-\frac{\frac{c^2}{b^2}}{b}} \ \ \left(-1+\frac{a}{b\sqrt{1-\frac{c^2}{b^2}}}\right)$$

$$\sqrt{1 - \frac{\frac{c^2}{b^2} \left[ \cosh\left[x + ArcTanh\left[\frac{c}{b}\right]\right]}{b\sqrt{1 - \frac{c^2}{b^2}} \left[ 1 + \frac{a}{b\sqrt{1 - \frac{c^2}{b^2}}} \right]}} - \frac{-\frac{2 b \left[ a + b\sqrt{1 - \frac{c^2}{b^2}} \left[ \cosh\left[x + ArcTanh\left[\frac{c}{b}\right]\right]\right]}{b^2 - c^2} + \frac{c \left[ \sinh\left[x + ArcTanh\left[\frac{c}{b}\right]\right]\right]}{b\sqrt{1 - \frac{c^2}{b^2}}} - \frac{b \sqrt{1 - \frac{c^2}{b^2}}}{\sqrt{a + b\sqrt{1 - \frac{c^2}{b^2}}} \left[ \cosh\left[x + ArcTanh\left[\frac{c}{b}\right]\right]}} \right] + \frac{c \left[ \sinh\left[x + ArcTanh\left[\frac{c}{b}\right]\right]\right]}{b\sqrt{1 - \frac{c^2}{b^2}}} - \frac{b \sqrt{1 - \frac{c^2}{b^2}} \left[ \cosh\left[x + ArcTanh\left[\frac{c}{b}\right]\right]\right]} - \frac{b \sqrt{1 - \frac{c^2}{b^2}} \left[ \cosh\left[x + ArcTanh\left[\frac{c}{b}\right]\right]} \right]}{\sqrt{a + b\sqrt{1 - \frac{c^2}{b^2}}} \left[ \cosh\left[x + ArcTanh\left[\frac{c}{b}\right]\right]} \right]} + \frac{c \left[ \sinh\left[x + ArcTanh\left[\frac{c}{b}\right]\right] \right]}{b\sqrt{1 - \frac{c^2}{b^2}}} - \frac{b \sqrt{1 - \frac{c^2}{b^2}}}{b\sqrt{1 - \frac{c^2}{b^2}}} - \frac{b \sqrt{1 - \frac{c^2}{b^2}}}}{b\sqrt{1 - \frac{c^2}{b^2}}} - \frac{b \sqrt{1 - \frac{c^2}{b^2}}}{b\sqrt{1 - \frac{c^2}{b^2}}} - \frac{b \sqrt{1 - \frac{c^2}{b^2}}}{b\sqrt{1 - \frac{c^2}{b^2}}} - \frac{b \sqrt{1 - \frac{c^2}{b^2}}}{b\sqrt{1 - \frac{c^2}{b^2}}}} - \frac{b \sqrt{1 - \frac{c^2}{b^2}}}{b\sqrt{1 - \frac{c^2}{b^2}}} - \frac{b \sqrt{1 - \frac{c^2}{b^2}}}{b\sqrt{$$

$$\left\{\frac{1}{\sqrt{a+b \cosh[x]+c \sinh[x]}}, x, 1, 0\right\}$$

$$2 \; \text{i} \; \text{EllipticF} \left[ \; \frac{1}{4} \; \left( \pi - 2 \; \text{i} \; \left( x + \text{i} \; \text{ArcTan} \left[ \; \text{i} \; \text{c} \; , \; b \right] \; \right) \; \right) \; , \; \; \frac{2}{1 - \frac{a}{\sqrt{b^2 - c^2}}} \; \right] \; \sqrt{\frac{a + b \; \text{Cosh} \left[ x \right] + c \; \text{Sinh} \left[ x \right]}{a - \sqrt{b^2 - c^2}}}$$

$$\sqrt{a + b \operatorname{Cosh}[x] + c \operatorname{Sinh}[x]}$$

$$\frac{1}{\sqrt{1-\frac{b^{2}}{c^{2}}}} \; 2 \; \text{AppellF1} \Big[ \frac{1}{2} \;,\; \frac{1}{2} \;,\; \frac{1}{2} \;,\; \frac{3}{2} \;,\; \frac{a+b \, \text{Cosh}[x] + c \, \text{Sinh}[x]}{a+i \, \sqrt{1-\frac{b^{2}}{c^{2}}}} \; c \;,\; \frac{a+b \, \text{Cosh}[x] + c \, \text{Sinh}[x]}{a-i \, \sqrt{1-\frac{b^{2}}{c^{2}}}} \; C \;,\; \frac{b}{a-i \, \sqrt{1-\frac{b^{2}}{c^{2}}}} \; C \;,\; \frac{b}{a-i \, \sqrt{1-\frac{b^{2}}{c^{2}}}} \; C \;,\; \frac{a+b \, \text{Cosh}[x] + c \, \text{Sinh}[x]}{a-i \, \sqrt{1-\frac{b^{2}}{c^{2}}}} \; C \;,\; \frac{a+b \, \text{Cosh}[x] + c \, \text{Sinh}[x]}{a-i \, \sqrt{1-\frac{b^{2}}{c^{2}}}} \; C \;,\; \frac{a+b \, \text{Cosh}[x] + c \, \text{Sinh}[x]}{a-i \, \sqrt{1-\frac{b^{2}}{c^{2}}}} \; C \;,\; \frac{a+b \, \text{Cosh}[x] + c \, \text{Sinh}[x]}{a-i \, \sqrt{1-\frac{b^{2}}{c^{2}}}} \; C \;,\; \frac{a+b \, \text{Cosh}[x] + c \, \text{Sinh}[x]}{a-i \, \sqrt{1-\frac{b^{2}}{c^{2}}}} \; C \;,\; \frac{a+b \, \text{Cosh}[x] + c \, \text{Sinh}[x]}{a-i \, \sqrt{1-\frac{b^{2}}{c^{2}}}} \; C \;,\; \frac{a+b \, \text{Cosh}[x] + c \, \text{Sinh}[x]}{a-i \, \sqrt{1-\frac{b^{2}}{c^{2}}}} \; C \;,\; \frac{a+b \, \text{Cosh}[x] + c \, \text{Sinh}[x]}{a-i \, \sqrt{1-\frac{b^{2}}{c^{2}}}} \; C \;,\; \frac{a+b \, \text{Cosh}[x] + c \, \text{Sinh}[x]}{a-i \, \sqrt{1-\frac{b^{2}}{c^{2}}}} \; C \;,\; \frac{a+b \, \text{Cosh}[x] + c \, \text{Sinh}[x]}{a-i \, \sqrt{1-\frac{b^{2}}{c^{2}}}} \; C \;,\; \frac{a+b \, \text{Cosh}[x] + c \, \text{Sinh}[x]}{a-i \, \sqrt{1-\frac{b^{2}}{c^{2}}}} \; C \;,\; \frac{a+b \, \text{Cosh}[x] + c \, \text{Sinh}[x]}{a-i \, \sqrt{1-\frac{b^{2}}{c^{2}}}} \; C \;,\; \frac{a+b \, \text{Cosh}[x] + c \, \text{Sinh}[x]}{a-i \, \sqrt{1-\frac{b^{2}}{c^{2}}}} \; C \;,\; \frac{a+b \, \text{Cosh}[x] + c \, \text{Sinh}[x]}{a-i \, \sqrt{1-\frac{b^{2}}{c^{2}}}} \;,\; \frac{a+b \, \text{Cosh}[x] + c \, \text{Sinh}[x]}{a-i \, \sqrt{1-\frac{b^{2}}{c^{2}}}} \;,\; \frac{a+b \, \text{Cosh}[x] + c \, \text{Sinh}[x]}{a-i \, \sqrt{1-\frac{b^{2}}{c^{2}}}} \;,\; \frac{a+b \, \text{Cosh}[x] + c \, \text{Sinh}[x]}{a-i \, \sqrt{1-\frac{b^{2}}{c^{2}}}} \;,\; \frac{a+b \, \text{Cosh}[x] + c \, \text{Sinh}[x]}{a-i \, \sqrt{1-\frac{b^{2}}{c^{2}}}} \;,\; \frac{a+b \, \text{Cosh}[x] + c \, \text{Sinh}[x]}{a-i \, \sqrt{1-\frac{b^{2}}{c^{2}}}}} \;,\; \frac{a+b \, \text{Cosh}[x] + c \, \text{Sinh}[x]}{a-i \, \sqrt{1-\frac{b^{2}}{c^{2}}}}} \;,\; \frac{a+b \, \text{Cosh}[x] + c \, \text{Sinh}[x]}{a-i \, \sqrt{1-\frac{b^{2}}{c^{2}}}}} \;,\; \frac{a+b \, \text{Cosh}[x] + c \, \text{Cosh}[x] + c \, \text{Cosh}[x]}{a-i \, \sqrt{1-\frac{b^{2}}{c^{2}}}}} \;,\; \frac{a+b \, \text{Cosh}[x] + c \, \text{Cosh}[x]}{a-i \, \sqrt{1-\frac{b^{2}}{c^{2}}}}} \;,\; \frac{a+b \, \text{Cosh}[x] + c \, \text{Cosh}[x]}{a-i \, \sqrt{1-\frac{b^{2}}{c^{$$

$$\sqrt{\text{a+b}\,\text{Cosh}\,[x]+\text{c}\,\text{Sinh}\,[x]} \\ \sqrt{\frac{\left(b^2-c^2\right)\,\left(1-\text{i}\,\,\text{Sinh}\,\left[x+\text{ArcTanh}\,\left[\frac{b}{c}\right]\,\right]\right)}{b^2-\text{i}\,\,\text{a}\,\,\sqrt{1-\frac{b^2}{c^2}}\,\,\,\text{c}-\text{c}^2}} \\ \sqrt{\frac{\left(b^2-c^2\right)\,\left(1+\text{i}\,\,\text{Sinh}\,\left[x+\text{ArcTanh}\,\left[\frac{b}{c}\right]\,\right]\right)}{b^2+\text{i}\,\,\text{a}\,\,\sqrt{1-\frac{b^2}{c^2}}}\,\,\,\text{c}-\text{c}^2}}$$

$$\left\{ \frac{1}{(a + b \, Cosh[x] + c \, Sinh[x])^{3/2}}, \, x, \, 2, \, 0 \right\}$$

$$- \frac{2 \, (c \, Cosh[x] + b \, Sinh[x])}{\left(a^2 - b^2 + c^2\right) \sqrt{a + b \, Cosh[x] + c \, Sinh[x]}} +$$

$$2 \, i \, EllipticE\left[\frac{1}{4} \, (\pi - 2 \, i \, (x + i \, ArcTan[i \, c, \, b])), \, \frac{2}{1 - \frac{a}{\sqrt{b^2 - c^2}}}\right] \sqrt{a + b \, Cosh[x] + c \, Sinh[x]}$$

$$\left(a^2 - b^2 + c^2\right) \sqrt{\frac{a + b \, Cosh[x] + c \, Sinh[x]}{2 \cdot \sqrt{b^2 - c^2}}}$$

$$\sqrt{\texttt{a} + \texttt{b} \, \texttt{Cosh} \, [\texttt{x}] \, + \texttt{c} \, \texttt{Sinh} \, [\texttt{x}]} \, \left( - \frac{2 \, \left( \texttt{b}^2 - \texttt{c}^2 \right)}{\texttt{b} \, \texttt{c} \, \left( - \texttt{a}^2 + \texttt{b}^2 - \texttt{c}^2 \right)} + \frac{2 \, \left( \texttt{a} \, \texttt{c} - \texttt{b}^2 \, \texttt{Sinh} \, [\texttt{x}] \, + \texttt{c}^2 \, \texttt{Sinh} \, [\texttt{x}] \, \right)}{\texttt{b} \, \left( \texttt{a}^2 - \texttt{b}^2 + \texttt{c}^2 \right) \, \left( \texttt{a} + \texttt{b} \, \texttt{Cosh} \, [\texttt{x}] \, + \texttt{c} \, \texttt{Sinh} \, [\texttt{x}] \, \right)} \right) + \frac{2 \, \left( \texttt{a} \, \texttt{c} - \texttt{b}^2 \, \texttt{Sinh} \, [\texttt{x}] \, + \texttt{c}^2 \, \texttt{Sinh} \, [\texttt{x}] \, \right)}{\texttt{b} \, \left( \texttt{a}^2 - \texttt{b}^2 + \texttt{c}^2 \right) \, \left( \texttt{a} + \texttt{b} \, \texttt{Cosh} \, [\texttt{x}] \, + \texttt{c} \, \texttt{Sinh} \, [\texttt{x}] \, \right)} \right) + \frac{2 \, \left( \texttt{a} \, \texttt{c} - \texttt{b}^2 \, \texttt{Sinh} \, [\texttt{x}] \, + \texttt{c}^2 \, \texttt{Sinh} \, [\texttt{x}] \, \right)}{\texttt{b} \, \left( \texttt{a} \, \texttt{c} - \texttt{b}^2 \, \texttt{Sinh} \, [\texttt{x}] \, + \texttt{c}^2 \, \texttt{Sinh} \, [\texttt{x}] \, \right)} \right) + \frac{2 \, \left( \texttt{a} \, \texttt{c} - \texttt{b}^2 \, \texttt{Sinh} \, [\texttt{x}] \, + \texttt{c}^2 \, \texttt{Sinh} \, [\texttt{x}] \, \right)}{\texttt{b} \, \left( \texttt{c} \, \texttt{c} \, \texttt{c} \, \texttt{c} \, + \texttt{c}^2 \, \texttt{c}^2 \, + \texttt{c}^2 \, + \texttt{c}^2 \, \texttt{c}^2 \, \right)} \right) + \frac{2 \, \left( \texttt{c} \, \texttt{c} \, \texttt{c} \, + \texttt{c}^2 \, \texttt{c}^2 \, + \texttt{c}^2 \, +$$

$$\left[ \text{2 a AppellF1} \left[ \frac{1}{2}, \frac{1}{2}, \frac{1}{2}, \frac{1}{2}, \frac{1}{2}, \frac{3}{2}, -\frac{i \left( a + \sqrt{1 - \frac{b^2}{c^2}} \text{ c Sinh} \left[ x + \text{ArcTanh} \left[ \frac{b}{c} \right] \right] \right)}{\sqrt{1 - \frac{b^2}{c^2}}} \left( 1 - \frac{i \text{ a}}{\sqrt{1 - \frac{b^2}{c^2}} \text{ c}} \right) \text{ c}}, -\frac{i \left( a + \sqrt{1 - \frac{b^2}{c^2}} \text{ c Sinh} \left[ x + \text{ArcTanh} \left[ \frac{b}{c} \right] \right] \right)}{\sqrt{1 - \frac{b^2}{c^2}}} \right] \text{ Sech} \left[ -1 - \frac{i \text{ a}}{\sqrt{1 - \frac{b^2}{c^2}} \text{ c}}} \right] \text{ c}$$

$$x + ArcTanh\left[ \begin{matrix} b \\ - \end{matrix} \right] \left] \sqrt{-1 + i \ Sinh\left[ x + ArcTanh\left[ \begin{matrix} b \\ - \end{matrix} \right] \right]} \ \sqrt{1 + i \ Sinh\left[ x + ArcTanh\left[ \begin{matrix} b \\ - \end{matrix} \right] \right]} \ \sqrt{a + \sqrt{1 - \frac{b^2}{c^2}}} \ c \ Sinh\left[ x + ArcTanh\left[ \begin{matrix} b \\ - \end{matrix} \right] \right] }$$

$$\begin{array}{c} 1 + \frac{i \left(a + \sqrt{1 - \frac{b^2}{c^2}} \ c \ Sinh\left[x + ArcTanh\left[\frac{b}{c}\right]\right]\right)}{\sqrt{1 - \frac{b^2}{c^2}} \ \left[-1 - \frac{i \ a}{\sqrt{1 - \frac{b^2}{c^2}} \ c}\right] c} \end{array} \end{array} \\ \sqrt{ \begin{array}{c} 1 + \frac{i \left(a + \sqrt{1 - \frac{b^2}{c^2}} \ c \ Sinh\left[x + ArcTanh\left[\frac{b}{c}\right]\right]\right)}{\sqrt{1 - \frac{b^2}{c^2}} \ \left[1 - \frac{i \ a}{\sqrt{1 - \frac{b^2}{c^2}} \ c}\right] c} \end{array} \\ \sqrt{ \begin{array}{c} 1 - \frac{b^2}{c^2} \ c \ Sinh\left[x + ArcTanh\left[\frac{b}{c}\right]\right] \\ \end{array} } \end{array}$$

$$\sqrt{1 - \frac{b^2}{c^2}} \ c \ \left(a^2 - b^2 + c^2\right) \sqrt{1 - \frac{i \ a}{\sqrt{1 - \frac{b^2}{c^2}}}} \ c \ \frac{i \ \left(a + \sqrt{1 - \frac{b^2}{c^2}} \ c \ Sinh\left[x + ArcTanh\left[\frac{b}{c}\right]\right]\right)}{\sqrt{1 - \frac{b^2}{c^2}}} \ c$$

$$\sqrt{1 - \frac{\text{i a}}{\sqrt{1 - \frac{b^2}{c^2}}}} + \frac{\text{i } \left( \text{a} + \sqrt{1 - \frac{b^2}{c^2}} \text{ c Sinh} \left[ \text{x} + \text{ArcTanh} \left[ \frac{b}{c} \right] \right] \right)}{\sqrt{1 - \frac{b^2}{c^2}}} \text{ c}$$

$$\frac{1}{c\left(a^{2}-b^{2}+c^{2}\right)}\;b^{2}\left(\begin{array}{c} \\ \\ \\ \\ \\ \end{array}\right)\;\frac{1}{c\left(a^{2}-b^{2}+c^{2}\right)}\;b^{2}\left(\begin{array}{c} \\ \\ \\ \\ \\ \end{array}\right)\;\frac{1}{2}\;,\;\frac{1}{2}\;,\;\frac{1}{2}\;,\;\frac{1}{2}\;,\;\frac{1}{2}\;,\;\frac{1}{2}\;,\;\frac{1}{2}\;,\;\frac{1}{2}\;,\;\frac{1}{2$$

$$\sqrt{-1 + \frac{a}{b\sqrt{1 - \frac{c^2}{b^2}}}} - \frac{a + b\sqrt{1 - \frac{c^2}{b^2}} \cdot Cosh\left[x + ArcTanh\left[\frac{c}{b}\right]\right]}{b\sqrt{1 - \frac{c^2}{b^2}}}} \sqrt{1 + \frac{a}{b\sqrt{1 - \frac{c^2}{b^2}}}} - \frac{a + b\sqrt{1 - \frac{c^2}{b^2}} \cdot Cosh\left[x + ArcTanh\left[\frac{c}{b}\right]\right]}{b\sqrt{1 - \frac{c^2}{b^2}}}$$

$$Sinh\left[x + ArcTanh\left[\frac{c}{b}\right]\right] \Bigg/ \left(b\sqrt{1 - \frac{c^2}{b^2}} \sqrt{-1 - Cosh\left[x + ArcTanh\left[\frac{c}{b}\right]\right]} \sqrt{1 - Cosh\left[x + ArcTanh\left[\frac{c}{b}\right]\right]} \right)$$

$$\sqrt{a+b\sqrt{1-\frac{c^2}{b^2}}} \ \ Cosh\big[x+ArcTanh\big[\frac{c}{b}\big]\big]} \ \ \sqrt{1-\frac{\frac{c^2}{b^2}}{b}} \ \ Cosh\big[x+ArcTanh\big[\frac{c}{b}\big]\big]} \ \ \sqrt{1-\frac{\frac{c^2}{b^2}}{b}} \ \ \left(-1+\frac{a}{b\sqrt{1-\frac{c^2}{b^2}}}\right)$$

$$1 - \frac{a + b \sqrt{1 - \frac{c^2}{b^2}} \ \text{Cosh} \left[ x + \text{ArcTanh} \left[ \frac{c}{b} \right] \right]}{b \sqrt{1 - \frac{c^2}{b^2}} \ \left[ 1 + \frac{a}{b \sqrt{1 - \frac{c^2}{b^2}}} \right] } - \frac{-\frac{2 \, b \left[ a + b \sqrt{1 - \frac{c^2}{b^2}} \ \text{Cosh} \left[ x + \text{ArcTanh} \left[ \frac{c}{b} \right] \right] \right)}{b^2 - c^2} + \frac{c \, \text{Sinh} \left[ x + \text{ArcTanh} \left[ \frac{c}{b} \right] \right]}{b \sqrt{1 - \frac{c^2}{b^2}}} + \frac{c \, \text{Sinh} \left[ x + \text{ArcTanh} \left[ \frac{c}{b} \right] \right]}{b \sqrt{1 - \frac{c^2}{b^2}}} + \frac{c \, \text{Sinh} \left[ x + \text{ArcTanh} \left[ \frac{c}{b} \right] \right]}{b \sqrt{1 - \frac{c^2}{b^2}}} + \frac{c \, \text{Sinh} \left[ x + \text{ArcTanh} \left[ \frac{c}{b} \right] \right]}{b \sqrt{1 - \frac{c^2}{b^2}}} + \frac{c \, \text{Sinh} \left[ x + \text{ArcTanh} \left[ \frac{c}{b} \right] \right]}{b \sqrt{1 - \frac{c^2}{b^2}}} + \frac{c \, \text{Sinh} \left[ x + \text{ArcTanh} \left[ \frac{c}{b} \right] \right]}{b \sqrt{1 - \frac{c^2}{b^2}}} + \frac{c \, \text{Sinh} \left[ x + \text{ArcTanh} \left[ \frac{c}{b} \right] \right]}{b \sqrt{1 - \frac{c^2}{b^2}}} + \frac{c \, \text{Sinh} \left[ x + \text{ArcTanh} \left[ \frac{c}{b} \right] \right]}{b \sqrt{1 - \frac{c^2}{b^2}}} + \frac{c \, \text{Sinh} \left[ x + \text{ArcTanh} \left[ \frac{c}{b} \right] \right]}{b \sqrt{1 - \frac{c^2}{b^2}}} + \frac{c \, \text{Sinh} \left[ x + \text{ArcTanh} \left[ \frac{c}{b} \right] \right]}{b \sqrt{1 - \frac{c^2}{b^2}}} + \frac{c \, \text{Sinh} \left[ x + \text{ArcTanh} \left[ \frac{c}{b} \right] \right]}{b \sqrt{1 - \frac{c^2}{b^2}}} + \frac{c \, \text{Sinh} \left[ x + \text{ArcTanh} \left[ \frac{c}{b} \right] \right]}{b \sqrt{1 - \frac{c^2}{b^2}}} + \frac{c \, \text{Sinh} \left[ x + \text{ArcTanh} \left[ \frac{c}{b} \right] \right]}{b \sqrt{1 - \frac{c^2}{b^2}}} + \frac{c \, \text{Sinh} \left[ x + \text{ArcTanh} \left[ \frac{c}{b} \right] \right]}{b \sqrt{1 - \frac{c^2}{b^2}}} + \frac{c \, \text{Sinh} \left[ x + \text{ArcTanh} \left[ \frac{c}{b} \right] \right]}{b \sqrt{1 - \frac{c^2}{b^2}}} + \frac{c \, \text{Sinh} \left[ x + \text{ArcTanh} \left[ \frac{c}{b} \right] \right]}{b \sqrt{1 - \frac{c^2}{b^2}}} + \frac{c \, \text{Sinh} \left[ x + \text{ArcTanh} \left[ \frac{c}{b} \right] \right]}{b \sqrt{1 - \frac{c^2}{b^2}}} + \frac{c \, \text{Sinh} \left[ x + \text{ArcTanh} \left[ \frac{c}{b} \right] \right]}{b \sqrt{1 - \frac{c^2}{b^2}}} + \frac{c \, \text{Sinh} \left[ x + \text{ArcTanh} \left[ \frac{c}{b} \right] \right]}{b \sqrt{1 - \frac{c^2}{b^2}}} + \frac{c \, \text{Sinh} \left[ x + \text{ArcTanh} \left[ \frac{c}{b} \right] \right]}{b \sqrt{1 - \frac{c^2}{b^2}}} + \frac{c \, \text{Sinh} \left[ x + \text{ArcTanh} \left[ \frac{c}{b} \right] \right]}{b \sqrt{1 - \frac{c^2}{b^2}}} + \frac{c \, \text{Sinh} \left[ x + \text{ArcTanh} \left[ \frac{c}{b} \right] \right]}{b \sqrt{1 - \frac{c^2}{b^2}}} + \frac{c \, \text{Sinh} \left[ x + \text{ArcTanh} \left[ \frac{c}{b} \right] \right]}{b \sqrt{1 - \frac{c^2}{b^2}}} + \frac{c \, \text{Sinh} \left[ x + \text{ArcTanh} \left[ \frac{c}{b} \right] \right]}{b \sqrt{1 - \frac{c^2}{b^2}}} + \frac{c \, \text{Sinh} \left[ x + \text{Ar$$

$$\frac{1}{a^2-b^2+c^2} \; c \; \left[ \left( c \; \text{AppellF1} \left[ -\frac{1}{2} \; , \; -\frac{1}{2} \; , \; -\frac{1}{2} \; , \; \frac{1}{2} \; , \; \frac{a+b\sqrt{1-\frac{c^2}{b^2}} \; \text{Cosh} \left[ x + \text{ArcTanh} \left[ \frac{c}{b} \right] \right]}}{b\sqrt{1-\frac{c^2}{b^2}} \; \left( 1 + \frac{a}{b\sqrt{1-\frac{c^2}{b^2}}} \right)} \; , \; \frac{a+b\sqrt{1-\frac{c^2}{b^2}} \; \text{Cosh} \left[ x + \text{ArcTanh} \left[ \frac{c}{b} \right] \right]}{b\sqrt{1-\frac{c^2}{b^2}} \; \left( -1 + \frac{a}{b\sqrt{1-\frac{c^2}{b^2}}} \right)} \right] \; , \; \frac{b\sqrt{1-\frac{c^2}{b^2}} \; \left( -1 + \frac{a}{b\sqrt{1-\frac{c^2}{b^2}}} \right)} \right] \; , \; \frac{b\sqrt{1-\frac{c^2}{b^2}} \; \left( -1 + \frac{a}{b\sqrt{1-\frac{c^2}{b^2}}} \right)} \right) \; , \; \frac{b\sqrt{1-\frac{c^2}{b^2}} \; \left( -1 + \frac{a}{b\sqrt{1-\frac{c^2}{b^2}}} \right)} \right) \; , \; \frac{b\sqrt{1-\frac{c^2}{b^2}} \; \left( -1 + \frac{a}{b\sqrt{1-\frac{c^2}{b^2}}} \right)} \right) \; , \; \frac{b\sqrt{1-\frac{c^2}{b^2}} \; \left( -1 + \frac{a}{b\sqrt{1-\frac{c^2}{b^2}}} \right)} \right) \; , \; \frac{b\sqrt{1-\frac{c^2}{b^2}} \; \left( -1 + \frac{a}{b\sqrt{1-\frac{c^2}{b^2}}} \right)} \right) \; , \; \frac{b\sqrt{1-\frac{c^2}{b^2}} \; \left( -1 + \frac{a}{b\sqrt{1-\frac{c^2}{b^2}}} \right)} \right) \; , \; \frac{b\sqrt{1-\frac{c^2}{b^2}} \; \left( -1 + \frac{a}{b\sqrt{1-\frac{c^2}{b^2}}}} \right) \; , \; \frac{b\sqrt{1-\frac{c^2}{b^2}} \; \left( -1 + \frac{a}{b\sqrt{1-\frac{c^2}{b^2}}}} \right) \; , \; \frac{b\sqrt{1-\frac{c^2}{b^2}} \; \left( -1 + \frac{a}{b\sqrt{1-\frac{c^2}{b^2}}}} \right) \; , \; \frac{b\sqrt{1-\frac{c^2}{b^2}} \; \left( -1 + \frac{a}{b\sqrt{1-\frac{c^2}{b^2}}}} \right) \; , \; \frac{b\sqrt{1-\frac{c^2}{b^2}} \; \left( -1 + \frac{a}{b\sqrt{1-\frac{c^2}{b^2}}}} \right) \; , \; \frac{b\sqrt{1-\frac{c^2}{b^2}} \; \left( -1 + \frac{a}{b\sqrt{1-\frac{c^2}{b^2}}}} \right) \; , \; \frac{b\sqrt{1-\frac{c^2}{b^2}} \; \left( -1 + \frac{a}{b\sqrt{1-\frac{c^2}{b^2}}} \right) \; } \; , \; \frac{b\sqrt{1-\frac{c^2}{b^2}} \; \left( -1 + \frac{a}{b\sqrt{1-\frac{c^2}{b^2}}} \right) \; , \; \frac{b\sqrt{1-\frac{c^2}{b^2}} \; \left( -1 + \frac{a}{b\sqrt{1-\frac{c^2}{b^2}}} \right) \; } \; , \; \frac{b\sqrt{1-\frac{c^2}{b^2}} \; \left( -1 + \frac{a}{b\sqrt{1-\frac{c^2}{b^2}}} \right) \; , \; \frac{b\sqrt{1-\frac{c^2}{b^2}} \; \left( -1 + \frac{a}{b\sqrt{1-\frac{c^2}{b^2}}} \right) \; } \; , \; \frac{b\sqrt{1-\frac{c^2}{b^2}} \; \left( -1 + \frac{a}{b\sqrt{1-\frac{c^2}{b^2}}} \right) \; , \; \frac{b\sqrt{1-\frac{c^2}{b^2}} \; \left( -1 + \frac{a}{b\sqrt{1-\frac{c^2}{b^2}}} \right) \; } \; , \; \frac{b\sqrt{1-\frac{c^2}{b^2}} \; \left( -1 + \frac{a}{b\sqrt{1-\frac{c^2}{b^2}}} \right) \; } \; , \; \frac{b\sqrt{1-\frac{c^2}{b^2}} \; \left( -1 + \frac{a}{b\sqrt{1-\frac{c^2}{b^2}}} \right) \; } \; , \; \frac{b\sqrt{1-\frac{c^2}{b^2}} \; \left( -1 + \frac{a}{b\sqrt{1-\frac{c^2}{b^2}}} \right) \; } \; , \; \frac{b\sqrt{1-\frac{c^2}{b^2}} \; \left( -1 + \frac{a}{b\sqrt{1-\frac{c^2}{b^2}}} \right) \; } \; , \; \frac{b\sqrt{1-\frac{c^2}{b^2}} \; \left( -1 + \frac{a}{b\sqrt{1-\frac{c^2}{b^2}}} \right) \; } \; , \; \frac{b\sqrt{1-\frac{c^2}{b^2}} \; \left( -1$$

$$\sqrt{-1 + \frac{a}{b\sqrt{1 - \frac{c^2}{b^2}}}} - \frac{a + b\sqrt{1 - \frac{c^2}{b^2}} \ \text{Cosh}\left[x + \text{ArcTanh}\left[\frac{c}{b}\right]\right]}{b\sqrt{1 - \frac{c^2}{b^2}}}} \sqrt{1 + \frac{a}{b\sqrt{1 - \frac{c^2}{b^2}}}} - \frac{a + b\sqrt{1 - \frac{c^2}{b^2}} \ \text{Cosh}\left[x + \text{ArcTanh}\left[\frac{c}{b}\right]\right]}{b\sqrt{1 - \frac{c^2}{b^2}}}}$$

$$Sinh\left[x + ArcTanh\left[\frac{c}{b}\right]\right] \Bigg/ \left[b\sqrt{1 - \frac{c^2}{b^2}} \sqrt{-1 - Cosh\left[x + ArcTanh\left[\frac{c}{b}\right]\right]} \sqrt{1 - Cosh\left[x + ArcTanh\left[\frac{c}{b}\right]\right]} \right]$$

$$\sqrt{a+b\sqrt{1-\frac{c^2}{b^2}}\ \text{Cosh}\big[x+\text{ArcTanh}\big[\frac{c}{b}\big]\big]}} \sqrt{1-\frac{\frac{c^2}{b^2}}{b\sqrt{1-\frac{c^2}{b^2}}}\ \text{Cosh}\big[x+\text{ArcTanh}\big[\frac{c}{b}\big]\big]}} \sqrt{b\sqrt{1-\frac{c^2}{b^2}}} \sqrt{-1+\frac{a}{b\sqrt{1-\frac{c^2}{b^2}}}}$$

$$\sqrt{1 - \frac{\frac{c^2}{b^2} \left( \text{Cosh}\left[x + \text{ArcTanh}\left[\frac{c}{b}\right]\right]}{b\sqrt{1 - \frac{c^2}{b^2}} \left(1 + \frac{a}{b\sqrt{1 - \frac{c^2}{b^2}}}\right)}} - \frac{-\frac{2 \, b \left(a + b\sqrt{1 - \frac{c^2}{b^2}} \, \left(\text{Cosh}\left[x + \text{ArcTanh}\left[\frac{c}{b}\right]\right]\right)}{b^2 - c^2} + \frac{c \, \text{Sinh}\left[x + \text{ArcTanh}\left[\frac{c}{b}\right]\right]}{b\sqrt{1 - \frac{c^2}{b^2}}} - \frac{b\sqrt{1 - \frac{c^2}{b^2}} \, \left(1 + \frac{a}{b\sqrt{1 - \frac{c^2}{b^2}}}\right)} - \frac{a + b\sqrt{1 - \frac{c^2}{b^2}} \, \left(\text{Cosh}\left[x + \text{ArcTanh}\left[\frac{c}{b}\right]\right]\right)} + \frac{c \, \text{Sinh}\left[x + \text{ArcTanh}\left[\frac{c}{b}\right]\right]}{b\sqrt{1 - \frac{c^2}{b^2}}} - \frac{b\sqrt{1 - \frac{c^2}{b^2}} \, \left(1 + \frac{a}{b\sqrt{1 - \frac{c^2}{b^2}}}\right)} - \frac{b\sqrt{1 - \frac{c^2}{b^2}} \, \left(1 + \frac{a}{b\sqrt{1 - \frac{c^2}{b^2}}}\right)} - \frac{b\sqrt{1 - \frac{c^2}{b^2}} \, \left(1 + \frac{a}{b\sqrt{1 - \frac{c^2}{b^2}}}\right)} - \frac{b\sqrt{1 - \frac{c^2}{b^2}} \, \left(1 + \frac{a}{b\sqrt{1 - \frac{c^2}{b^2}}}\right)} - \frac{b\sqrt{1 - \frac{c^2}{b^2}} \, \left(1 + \frac{a}{b\sqrt{1 - \frac{c^2}{b^2}}}\right)} - \frac{b\sqrt{1 - \frac{c^2}{b^2}} \, \left(1 + \frac{a}{b\sqrt{1 - \frac{c^2}{b^2}}}\right)} - \frac{b\sqrt{1 - \frac{c^2}{b^2}} \, \left(1 + \frac{a}{b\sqrt{1 - \frac{c^2}{b^2}}}\right)} - \frac{b\sqrt{1 - \frac{c^2}{b^2}} \, \left(1 + \frac{a}{b\sqrt{1 - \frac{c^2}{b^2}}}\right)} - \frac{b\sqrt{1 - \frac{c^2}{b^2}} \, \left(1 + \frac{a}{b\sqrt{1 - \frac{c^2}{b^2}}}\right)} - \frac{b\sqrt{1 - \frac{c^2}{b^2}} \, \left(1 + \frac{a}{b\sqrt{1 - \frac{c^2}{b^2}}}\right)} - \frac{b\sqrt{1 - \frac{c^2}{b^2}} \, \left(1 + \frac{a}{b\sqrt{1 - \frac{c^2}{b^2}}}\right)} - \frac{b\sqrt{1 - \frac{c^2}{b^2}} \, \left(1 + \frac{a}{b\sqrt{1 - \frac{c^2}{b^2}}}\right)} - \frac{b\sqrt{1 - \frac{c^2}{b^2}} \, \left(1 + \frac{a}{b\sqrt{1 - \frac{c^2}{b^2}}}\right)} - \frac{b\sqrt{1 - \frac{c^2}{b^2}} \, \left(1 + \frac{a}{b\sqrt{1 - \frac{c^2}{b^2}}}\right)} - \frac{b\sqrt{1 - \frac{c^2}{b^2}} \, \left(1 + \frac{a}{b\sqrt{1 - \frac{c^2}{b^2}}}\right)} - \frac{b\sqrt{1 - \frac{c^2}{b^2}} \, \left(1 + \frac{a}{b\sqrt{1 - \frac{c^2}{b^2}}}\right)} - \frac{b\sqrt{1 - \frac{c^2}{b^2}} \, \left(1 + \frac{a}{b\sqrt{1 - \frac{c^2}{b^2}}}\right)} - \frac{b\sqrt{1 - \frac{c^2}{b^2}} \, \left(1 + \frac{a}{b\sqrt{1 - \frac{c^2}{b^2}}}\right)} - \frac{b\sqrt{1 - \frac{c^2}{b^2}} \, \left(1 + \frac{a}{b\sqrt{1 - \frac{c^2}{b^2}}}\right)} - \frac{b\sqrt{1 - \frac{c^2}{b^2}} \, \left(1 + \frac{a}{b\sqrt{1 - \frac{c^2}{b^2}}}\right)} - \frac{b\sqrt{1 - \frac{c^2}{b^2}} \, \left(1 + \frac{a}{b\sqrt{1 - \frac{c^2}{b^2}}}\right)} - \frac{b\sqrt{1 - \frac{c^2}{b^2}} \, \left(1 + \frac{a}{b\sqrt{1 - \frac{c^2}{b^2}}}\right)} - \frac{b\sqrt{1 - \frac{c^2}{b\sqrt{1 - \frac{c^2}{b^2}}}} + \frac{b\sqrt{1 - \frac{c^2}{b\sqrt{1 - \frac{c^2}{b^2}}}}} + \frac{b\sqrt{1 - \frac{c^2}{b\sqrt{1 - \frac{c^2$$

$$\left\{ \frac{1}{\left(a + b \, \text{Cosh}[x] + c \, \text{Sinh}[x]\right)^{5/2}}, \, x, \, 5, \, 0 \right\}$$

$$-\frac{2 \; (\text{cCosh[x]} + \text{bSinh[x]})}{3 \; \left(a^2 - b^2 + c^2\right) \; (a + b \; \text{Cosh[x]} + c \; \text{Sinh[x]})^{3/2}} - \frac{1}{3 \; \left(a^2 - b^2 + c^2\right)} \; 2 \; \left(\frac{2 \; (-2 \, a \, c \; \text{Cosh[x]} - 2 \, a \, b \; \text{Sinh[x]})}{\left(-a^2 + b^2 - c^2\right) \; \sqrt{a + b \; \text{Cosh[x]} + c \; \text{Sinh[x]}}} + \frac{1}{3 \; \left(a^2 - b^2 + c^2\right) \; \left(a + b \; \text{Cosh[x]} + c \; \text{Sinh[x]}\right)} + \frac{1}{3 \; \left(a^2 - b^2 + c^2\right) \; \left(a + b \; \text{Cosh[x]} + c \; \text{Sinh[x]}\right)} + \frac{1}{3 \; \left(a^2 - b^2 + c^2\right) \; \left(a + b \; \text{Cosh[x]} + c \; \text{Sinh[x]}\right)} + \frac{1}{3 \; \left(a^2 - b^2 + c^2\right) \; \left(a + b \; \text{Cosh[x]} + c \; \text{Sinh[x]}\right)} + \frac{1}{3 \; \left(a^2 - b^2 + c^2\right) \; \left(a + b \; \text{Cosh[x]} + c \; \text{Sinh[x]}\right)} + \frac{1}{3 \; \left(a^2 - b^2 + c^2\right) \; \left(a + b \; \text{Cosh[x]} + c \; \text{Sinh[x]}\right)} + \frac{1}{3 \; \left(a^2 - b^2 + c^2\right) \; \left(a + b \; \text{Cosh[x]} + c \; \text{Sinh[x]}\right)} + \frac{1}{3 \; \left(a^2 - b^2 + c^2\right) \; \left(a + b \; \text{Cosh[x]} + c \; \text{Sinh[x]}\right)} + \frac{1}{3 \; \left(a^2 - b^2 + c^2\right) \; \left(a + b \; \text{Cosh[x]} + c \; \text{Sinh[x]}\right)} + \frac{1}{3 \; \left(a^2 - b^2 + c^2\right) \; \left(a + b \; \text{Cosh[x]} + c \; \text{Sinh[x]}\right)} + \frac{1}{3 \; \left(a^2 - b^2 + c^2\right) \; \left(a + b \; \text{Cosh[x]}\right)} + \frac{1}{3 \; \left(a^2 - b^2 + c^2\right) \; \left(a + b \; \text{Cosh[x]}\right)} + \frac{1}{3 \; \left(a^2 - b^2 + c^2\right) \; \left(a + b \; \text{Cosh[x]}\right)} + \frac{1}{3 \; \left(a^2 - b^2 + c^2\right)} + \frac{1}{3 \; \left(a^2 - b^2\right)} + \frac{1}{3 \;$$

$$\frac{4 \text{ i a EllipticE} \left[\frac{1}{2} \left(\frac{\pi}{2} - \text{ i } (x + \text{ i ArcTan[i c, b]})\right), \frac{2}{1 - \frac{a}{\sqrt{b^2 - c^2}}}\right] \sqrt{a + b \operatorname{Cosh[x]} + c \operatorname{Sinh[x]}}}{\left(-a^2 + b^2 - c^2\right) \sqrt{\frac{a + b \operatorname{Cosh[x]} + c \operatorname{Sinh[x]}}{a - \sqrt{b^2 - c^2}}}}$$

$$\frac{4 \text{ i } \left(-a^2 \text{ b} + \frac{1}{2} \text{ b} \left(\frac{3 \text{ a}^2}{2} + \frac{b^2}{2} - \frac{c^2}{2}\right)\right) \text{ EllipticF}\left[\frac{1}{2} \left(\frac{\pi}{2} - \text{ i } \left(x + \text{ i } \text{ArcTan[ic, b]}\right)\right), \ \frac{2}{1 - \frac{a}{\sqrt{b^2 - c^2}}}\right] \sqrt{\frac{a + b \text{Cosh[x]} + c \text{Sinh[x]}}{a - \sqrt{b^2 - c^2}}}} \right]}{b \left(-a^2 + b^2 - c^2\right) \sqrt{a + b \text{Cosh[x]} + c \text{Sinh[x]}}}$$

$$1 + \frac{i \left(a + \sqrt{1 - \frac{b^2}{c^2}} \ c \ Sinh\left[x + ArcTanh\left[\frac{b}{c}\right]\right]\right)}{\sqrt{1 - \frac{b^2}{c^2}} \left(-1 - \frac{i \ a}{\sqrt{1 - \frac{b^2}{c^2}} \ c}\right) c} \\ \sqrt{1 - \frac{b^2}{c^2}} \left(-1 - \frac{i \ a}{\sqrt{1 - \frac{b^2}{c^2}} \ c}\right) c$$

$$\sqrt{1-\frac{b^2}{c^2}} \ c \ \left(a^2-b^2+c^2\right)^2 \sqrt{-1-\frac{i \ a}{\sqrt{1-\frac{b^2}{c^2}}}} \ c \ \frac{i \ \left(a+\sqrt{1-\frac{b^2}{c^2}} \ c \ Sinh\left[x+ArcTanh\left[\frac{b}{c}\right]\right]\right)}{\sqrt{1-\frac{b^2}{c^2}}} \ c$$

$$\sqrt{1-\frac{\text{i a}}{\sqrt{1-\frac{b^2}{c^2}}}} + \frac{\text{i } \left(a+\sqrt{1-\frac{b^2}{c^2}} \text{ c Sinh}\left[x+\text{ArcTanh}\left[\frac{b}{c}\right]\right]\right)}{\sqrt{1-\frac{b^2}{c^2}}} + \frac{\text{i } \left(a+\sqrt{1-\frac{b^2}{c^2}} + \frac{b^2}{c^2}\right)}{\sqrt{1-\frac{b^2}{c^2}}} + \frac{\text{i } \left(a+\sqrt{1-\frac{b^2}{c^2}} + \frac{b^2}{c^2}\right)}{\sqrt{1-\frac{b^2}{c^2}}} + \frac{\text{i } \left(a+\sqrt{1-\frac{b^2}{c^2}} + \frac{b^2}{c^2}\right)}{\sqrt{1-\frac{b^2}{c^2}}} + \frac{b^2}{c^2}}$$

$$2 \, b^2 \, AppellF1 \left[ \frac{1}{2}, \, \frac{1}{2}, \, \frac{1}{2}, \, \frac{3}{2}, \, -\frac{i \left[ a + \sqrt{1 - \frac{b^2}{c^2}} \, c \, Sinh \left[ x + ArcTanh \left[ \frac{b}{c} \right] \, \right] \right)}{\sqrt{1 - \frac{b^2}{c^2}} \, \left[ 1 - \frac{i \, a}{\sqrt{1 - \frac{b^2}{c^2}} \, c} \right] c}, \, -\frac{i \left[ a + \sqrt{1 - \frac{b^2}{c^2}} \, c \, Sinh \left[ x + ArcTanh \left[ \frac{b}{c} \right] \, \right] \right]}{\sqrt{1 - \frac{b^2}{c^2}} \, \left[ 1 - \frac{i \, a}{\sqrt{1 - \frac{b^2}{c^2}} \, c} \right] c} \right] \, Sech \left[ \frac{1 - \frac{b^2}{c^2} \, c \, Sinh \left[ x + ArcTanh \left[ \frac{b}{c} \right] \, \right] \right]}{\sqrt{1 - \frac{b^2}{c^2}} \, \left[ 1 - \frac{i \, a}{\sqrt{1 - \frac{b^2}{c^2}} \, c} \right] c} \right]$$

$$\begin{array}{c} x + \operatorname{ArcTanh}\left[\frac{b}{c}\right] \int \sqrt{-1 + i \, \operatorname{Sinh}\left[x + \operatorname{ArcTanh}\left[\frac{b}{c}\right]\right]} & \sqrt{1 + i \, \operatorname{Sinh}\left[x + \operatorname{ArcTanh}\left[\frac{b}{c}\right]\right]} & \sqrt{a + \sqrt{1 - \frac{b^2}{c^2}} \, c \, \operatorname{Sinh}\left[x + \operatorname{ArcTanh}\left[\frac{b}{c}\right]\right]} \\ 1 + & \frac{i \left(a + \sqrt{1 - \frac{b^2}{c^2}} \, c \, \operatorname{Sinh}\left[x + \operatorname{ArcTanh}\left[\frac{b}{c}\right]\right]\right)}{\sqrt{1 - \frac{b^2}{c^2}} \left(-1 - \frac{i \, a}{\sqrt{1 - \frac{b^2}{c^2}} \, c}\right) \, c} & \frac{i \left(a + \sqrt{1 - \frac{b^2}{c^2}} \, c \, \operatorname{Sinh}\left[x + \operatorname{ArcTanh}\left[\frac{b}{c}\right]\right]\right)}{\sqrt{1 - \frac{b^2}{c^2}} \left(1 - \frac{i \, a}{\sqrt{1 - \frac{b^2}{c^2}} \, c}\right) \, c} & \frac{i \left(a + \sqrt{1 - \frac{b^2}{c^2}} \, c \, \operatorname{Sinh}\left[x + \operatorname{ArcTanh}\left[\frac{b}{c}\right]\right]\right)}{\sqrt{1 - \frac{b^2}{c^2}} \, c \, \operatorname{Sinh}\left[x + \operatorname{ArcTanh}\left[\frac{b}{c}\right]\right]} \end{array} \right) \end{array}$$

$$\left[ 3\sqrt{1 - \frac{b^2}{c^2}} \ c \left(a^2 - b^2 + c^2\right)^2 \sqrt{-1 - \frac{i \ a}{\sqrt{1 - \frac{b^2}{c^2}}}} \ + \frac{i \left(a + \sqrt{1 - \frac{b^2}{c^2}} \ c \ Sinh\left[x + ArcTanh\left[\frac{b}{c}\right]\right]\right)}{\sqrt{1 - \frac{b^2}{c^2}}} \ c \right]$$

$$\sqrt{1 - \frac{\text{i a}}{\sqrt{1 - \frac{b^2}{c^2}}}} + \frac{\text{i} \left( \text{a} + \sqrt{1 - \frac{b^2}{c^2}} \text{ c Sinh} \left[ \text{x} + \text{ArcTanh} \left[ \frac{b}{c} \right] \right] \right) }{\sqrt{1 - \frac{b^2}{c^2}}} \text{ c}$$

$$2 \text{ c AppellF1} \Big[ \frac{1}{2}, \frac{1}{2}, \frac{1}{2}, \frac{1}{2}, \frac{3}{2}, -\frac{i \left( a + \sqrt{1 - \frac{b^2}{c^2}} \text{ c Sinh} \left[ x + \text{ArcTanh} \left[ \frac{b}{c} \right] \right] \right)}{\sqrt{1 - \frac{b^2}{c^2}} \left( 1 - \frac{i \text{ a}}{\sqrt{1 - \frac{b^2}{c^2}} \text{ c}} \right) \text{ c}}, -\frac{i \left( a + \sqrt{1 - \frac{b^2}{c^2}} \text{ c Sinh} \left[ x + \text{ArcTanh} \left[ \frac{b}{c} \right] \right] \right)}{\sqrt{1 - \frac{b^2}{c^2}} \left( -1 - \frac{i \text{ a}}{\sqrt{1 - \frac{b^2}{c^2}} \text{ c}}} \right) \text{ c}} \Big] \text{ Sech} \Big[$$

$$x + \operatorname{ArcTanh}\left[\frac{b}{c}\right] \int_{-1}^{-1} \sqrt{-1 + i \, \operatorname{Sinh}\left[x + \operatorname{ArcTanh}\left[\frac{b}{c}\right]\right]} \, \sqrt{1 + i \, \operatorname{Sinh}\left[x + \operatorname{ArcTanh}\left[\frac{b}{c}\right]\right]} \, \sqrt{a + \sqrt{1 - \frac{b^2}{c^2}}} \, \operatorname{cSinh}\left[x + \operatorname{ArcTanh}\left[\frac{b}{c}\right]\right]$$

$$\begin{array}{c} & \\ 1 + \frac{i \left[ a + \sqrt{1 - \frac{b^2}{c^2}} \ c \ Sinh \left[ x + ArcTanh \left[ \frac{b}{c} \right] \right] \right)}{\sqrt{1 - \frac{b^2}{c^2}} \left[ -1 - \frac{i \ a}{\sqrt{1 - \frac{b^2}{c^2}} \ c} \right] c} \end{array} \end{array} \\ \sqrt{ \begin{array}{c} \\ 1 + \frac{i \left[ a + \sqrt{1 - \frac{b^2}{c^2}} \ c \ Sinh \left[ x + ArcTanh \left[ \frac{b}{c} \right] \right] \right)}{\sqrt{1 - \frac{b^2}{c^2}} \left[ 1 - \frac{i \ a}{\sqrt{1 - \frac{b^2}{c^2}} \ c} \right] c} \end{array} \\ / \end{array}$$

$$\left( 3\sqrt{1-\frac{b^2}{c^2}} \left(a^2-b^2+c^2\right)^2 \sqrt{-1-\frac{i \ a}{\sqrt{1-\frac{b^2}{c^2}}} \ c} + \frac{i \left(a+\sqrt{1-\frac{b^2}{c^2}} \ c \ Sinh\left[x+ArcTanh\left[\frac{b}{c}\right]\right]\right)}{\sqrt{1-\frac{b^2}{c^2}} \ c} \right) \right)$$

$$\sqrt{1-\frac{\text{i a}}{\sqrt{1-\frac{b^2}{c^2}}}} + \frac{\text{i }\left(\text{a}+\sqrt{1-\frac{b^2}{c^2}} \text{ c Sinh}\left[\text{x}+\text{ArcTanh}\left[\frac{\text{b}}{\text{c}}\right]\right]\right)}{\sqrt{1-\frac{b^2}{c^2}}} - \frac{1}{3\text{ c }\left(\text{a}^2-\text{b}^2+\text{c}^2\right)^2}$$

$$4 \text{ a } b^2 \left[ \text{c AppellF1} \left[ -\frac{1}{2}, -\frac{1}{2}, -\frac{1}{2}, \frac{1}{2}, \frac{1}{2}, \frac{a + b \sqrt{1 - \frac{c^2}{b^2}} \ \text{Cosh} \left[ x + \text{ArcTanh} \left[ \frac{c}{b} \right] \right]}{b \sqrt{1 - \frac{c^2}{b^2}}} \right], \quad \frac{a + b \sqrt{1 - \frac{c^2}{b^2}} \ \text{Cosh} \left[ x + \text{ArcTanh} \left[ \frac{c}{b} \right] \right]}{b \sqrt{1 - \frac{c^2}{b^2}}} \right] \right] \\ = b \sqrt{1 - \frac{c^2}{b^2}} \left[ 1 + \frac{a}{b \sqrt{1 - \frac{c^2}{b^2}}} \left[ 1 + \frac{a}{b \sqrt{1 - \frac{c^2}{b^2}}} \right] \right]$$

$$\sqrt{-1 + \frac{a}{b\sqrt{1 - \frac{c^2}{b^2}}} - \frac{a + b\sqrt{1 - \frac{c^2}{b^2}} \ \text{Cosh}\left[x + \text{ArcTanh}\left[\frac{c}{b}\right]\right]}{b\sqrt{1 - \frac{c^2}{b^2}}}} \sqrt{1 + \frac{a}{b\sqrt{1 - \frac{c^2}{b^2}}} - \frac{a + b\sqrt{1 - \frac{c^2}{b^2}} \ \text{Cosh}\left[x + \text{ArcTanh}\left[\frac{c}{b}\right]\right]}{b\sqrt{1 - \frac{c^2}{b^2}}}}$$

$$Sinh\left[x + ArcTanh\left[\frac{c}{b}\right]\right] / \left[b\sqrt{1 - \frac{c^2}{b^2}} \sqrt{-1 - Cosh\left[x + ArcTanh\left[\frac{c}{b}\right]\right]} \sqrt{1 - Cosh\left[x + ArcTanh\left[\frac{c}{b}\right]\right]} \right]$$

$$\sqrt{a+b\sqrt{1-\frac{c^2}{b^2}}} \hspace{0.1cm} \text{Cosh} \big[x+\text{ArcTanh}\big[\frac{c}{b}\big]\big] \\ \sqrt{1-\frac{c^2}{b^2}} \hspace{0.1cm} \text{Cosh} \big[x+\text{ArcTanh}\big[\frac{c}{b}\big]\big] \\ \sqrt{1-\frac{c^2}{b^2}} \hspace{0.1cm} \left(-1+\frac{a}{b\sqrt{1-\frac{c^2}{b^2}}}\right)$$

$$\sqrt{1 - \frac{\frac{c^2}{b^2}}{b} \frac{\left[ \cosh\left[ x + \text{ArcTanh}\left[\frac{c}{b}\right] \right]}{b\sqrt{1 - \frac{c^2}{b^2}}} \left[ 1 + \frac{a}{b\sqrt{1 - \frac{c^2}{b^2}}} \right] } - \frac{-\frac{2 \, b \left[ a + b \sqrt{1 - \frac{c^2}{b^2}} \, \cosh\left[ x + \text{ArcTanh}\left[\frac{c}{b}\right] \right] \right]}{b^2 - c^2} + \frac{c \, \sinh\left[ x + \text{ArcTanh}\left[\frac{c}{b}\right] \right]}{b\sqrt{1 - \frac{c^2}{b^2}}} - \frac{b \, \sqrt{1 - \frac{c^2}{b^2}} \, \cosh\left[ x + \text{ArcTanh}\left[\frac{c}{b}\right] \right]}}{\sqrt{a + b \, \sqrt{1 - \frac{c^2}{b^2}} \, \cosh\left[ x + \text{ArcTanh}\left[\frac{c}{b}\right] \right]}}$$

Timed out after 60 seconds:

$$\left\{ \left( \sqrt{b^2 - c^2} + b \, \text{Cosh}[x] + c \, \text{Sinh}[x] \right)^{5/2}, \, x, \, 3, \, 0 \right\}$$

$$\frac{64 \, \left( b^2 - c^2 \right) \, \left( c \, \text{Cosh}[x] + b \, \text{Sinh}[x] \right)}{15 \, \sqrt{\sqrt{b^2 - c^2}} + b \, \text{Cosh}[x] + c \, \text{Sinh}[x]} + \frac{16}{15} \, \sqrt{b^2 - c^2} \, \left( c \, \text{Cosh}[x] + b \, \text{Sinh}[x] \right) \, \sqrt{\sqrt{b^2 - c^2}} + b \, \text{Cosh}[x] + c \, \text{Sinh}[x]} + \frac{2}{5} \, \left( c \, \text{Cosh}[x] + b \, \text{Sinh}[x] \right) \, \left( \sqrt{b^2 - c^2} + b \, \text{Cosh}[x] + c \, \text{Sinh}[x] \right) \right.$$

???

Timed out after 60 seconds:

$$\left\{ \left( \sqrt{b^2 - c^2} + b \, \text{Cosh}[x] + c \, \text{Sinh}[x] \right)^{3/2}, \, x, \, 2, \, 0 \right\}$$

$$\frac{8 \, \sqrt{b^2 - c^2} \, \left( c \, \text{Cosh}[x] + b \, \text{Sinh}[x] \right)}{3 \, \sqrt{\sqrt{b^2 - c^2}} + b \, \text{Cosh}[x] + c \, \text{Sinh}[x]} + \frac{2}{3} \, \left( c \, \text{Cosh}[x] + b \, \text{Sinh}[x] \right) \, \sqrt{\sqrt{b^2 - c^2}} + b \, \text{Cosh}[x] + c \, \text{Sinh}[x]$$

$$\frac{3}{3} \, \sqrt{\frac{b^2 - c^2}{b^2 - c^2}} + b \, \text{Cosh}[x] + c \, \text{Sinh}[x]$$

Timed out after 60 seconds:

$$\left\{ \sqrt{\sqrt{b^2 - c^2} + b \, \text{Cosh}[x] + c \, \text{Sinh}[x]}, \, x, \, 1, \, 0 \right\} \\
 \frac{2 \, (c \, \text{Cosh}[x] + b \, \text{Sinh}[x])}{\sqrt{\sqrt{b^2 - c^2} + b \, \text{Cosh}[x] + c \, \text{Sinh}[x]}}$$

Timed out after 60 seconds:

$$\left\{ \left( -\sqrt{b^2 - c^2} + b \, \text{Cosh}[x] + c \, \text{Sinh}[x] \right)^{5/2}, \, x, \, 3, \, 0 \right\}$$

$$\frac{64 \, \left( b^2 - c^2 \right) \, \left( c \, \text{Cosh}[x] + b \, \text{Sinh}[x] \right)}{15 \, \sqrt{-\sqrt{b^2 - c^2}}} - \frac{16}{15} \, \sqrt{b^2 - c^2} \, \left( c \, \text{Cosh}[x] + b \, \text{Sinh}[x] \right) \, \sqrt{-\sqrt{b^2 - c^2}} + b \, \text{Cosh}[x] + c \, \text{Sinh}[x]} + \frac{2}{5} \, \left( c \, \text{Cosh}[x] + b \, \text{Sinh}[x] \right) \, \left( -\sqrt{b^2 - c^2} + b \, \text{Cosh}[x] + c \, \text{Sinh}[x] \right)$$

$$\frac{2}{5} \, \left( c \, \text{Cosh}[x] + b \, \text{Sinh}[x] \right) \, \left( -\sqrt{b^2 - c^2} + b \, \text{Cosh}[x] + c \, \text{Sinh}[x] \right)$$

$$\frac{2}{5} \, \left( c \, \text{Cosh}[x] + b \, \text{Sinh}[x] \right) \, \left( -\sqrt{b^2 - c^2} + b \, \text{Cosh}[x] + c \, \text{Sinh}[x] \right)$$

Timed out after 60 seconds:

$$\left\{ \left( -\sqrt{b^2 - c^2} + b \operatorname{Cosh}[x] + c \operatorname{Sinh}[x] \right)^{3/2}, x, 2, 0 \right\}$$

$$-\frac{8 \sqrt{b^2 - c^2} \left( c \operatorname{Cosh}[x] + b \operatorname{Sinh}[x] \right)}{3 \sqrt{-\sqrt{b^2 - c^2}} + b \operatorname{Cosh}[x] + c \operatorname{Sinh}[x]} + \frac{2}{3} \left( c \operatorname{Cosh}[x] + b \operatorname{Sinh}[x] \right) \sqrt{-\sqrt{b^2 - c^2}} + b \operatorname{Cosh}[x] + c \operatorname{Sinh}[x]$$
???

Timed out after 60 seconds:

$$\left\{ \sqrt{-\sqrt{b^2 - c^2} + b \operatorname{Cosh}[x] + c \operatorname{Sinh}[x]}, x, 1, 0 \right\}$$

$$\frac{2 \left( c \operatorname{Cosh}[x] + b \operatorname{Sinh}[x] \right)}{\sqrt{-\sqrt{b^2 - c^2} + b \operatorname{Cosh}[x] + c \operatorname{Sinh}[x]}}$$

Simplify::infd: Expression

$$2\sqrt{b^2-c^2}\left(\frac{\sqrt{-\sqrt{\text{Plus}[\ll 2\gg]} + \text{b} \, \text{Cosh}[x] + \text{c} \, \text{Sinh}[x]}}{4\,\text{c} \, \sqrt{b^2-c^2}} \left(\text{c} \, \text{Cosh}[x] + \text{b} \, \text{Sinh}[x]\right)} + \frac{1}{8\,\text{c} \, \sqrt{b^2-c^2}}\left(\text{c} \, \text{Cosh}[x] + \text{b} \, \text{Sinh}[x]\right)} + \frac{1}{8\,\text{c} \, \sqrt{b^2-c^2}}\left(\text{c} \, \text{Cosh}[x] + \text{b} \, \text{Sinh}[x]\right)} + \frac{1}{8\,\text{c} \, \sqrt{b^2-c^2}}\left(\text{c} \, \text{Cosh}[x] + \text{b} \, \text{Sinh}[x]\right)} + \frac{1}{8\,\text{c} \, \sqrt{b^2-c^2}}\left(\text{c} \, \text{Cosh}[x] + \text{b} \, \text{Sinh}[x]\right) + \frac{1}{8\,\text{c} \, \sqrt{b^2-c^2}}\left(\text{c} \, \text{Cosh}[x] + \text{b} \, \text{Sinh}[x]\right)}{\sqrt{\text{Power}[\ll 2\gg] \, \text{Plus}[\ll 2\gg]}} + \frac{1}{8\,\text{c} \, \sqrt{b^2-c^2}}\left(\text{c} \, \text{Cosh}[x] + \text{b} \, \text{Sinh}[x]\right) + \frac{1}{8\,\text{c} \, \sqrt{b^2-c^2}}\left(\text{c} \, \text{Cosh}[x] + \text{b} \, \text{Sinh}[x]\right) + \frac{1}{8\,\text{c} \, \sqrt{b^2-c^2}}\left(\text{c} \, \text{Cosh}[x] + \text{b} \, \text{Sinh}[x]\right) + \frac{1}{8\,\text{c} \, \sqrt{b^2-c^2}}\left(\text{c} \, \text{Cosh}[x] + \text{b} \, \text{Sinh}[x]\right) + \frac{1}{8\,\text{c} \, \sqrt{b^2-c^2}}\left(\text{c} \, \text{Cosh}[x] + \text{b} \, \text{Sinh}[x]\right) + \frac{1}{8\,\text{c} \, \sqrt{b^2-c^2}}\left(\text{c} \, \text{Cosh}[x] + \text{b} \, \text{Sinh}[x]\right) + \frac{1}{8\,\text{c} \, \sqrt{b^2-c^2}}\left(\text{c} \, \text{Cosh}[x] + \text{b} \, \text{Sinh}[x]\right) + \frac{1}{8\,\text{c} \, \sqrt{b^2-c^2}}\left(\text{c} \, \text{Cosh}[x] + \text{b} \, \text{Sinh}[x]\right) + \frac{1}{8\,\text{c} \, \sqrt{b^2-c^2}}\left(\text{c} \, \text{Cosh}[x] + \text{b} \, \text{Sinh}[x]\right) + \frac{1}{8\,\text{c} \, \sqrt{b^2-c^2}}\left(\text{c} \, \text{Cosh}[x] + \text{b} \, \text{Sinh}[x]\right) + \frac{1}{8\,\text{c} \, \sqrt{b^2-c^2}}\left(\text{c} \, \text{Cosh}[x] + \text{b} \, \text{Sinh}[x]\right) + \frac{1}{8\,\text{c} \, \sqrt{b^2-c^2}}\left(\text{c} \, \text{Cosh}[x] + \text{b} \, \text{Sinh}[x]\right) + \frac{1}{8\,\text{c} \, \sqrt{b^2-c^2}}\left(\text{c} \, \text{Cosh}[x] + \text{c} \, \text{Cosh}[x] + \text{c} \, \text{cosh}[x] + \frac{1}{8\,\text{c} \, \sqrt{b^2-c^2}}\left(\text{c} \, \text{Cosh}[x] + \text{c} \, \text{cosh}[x] + \frac{1}{8\,\text{c} \, \sqrt{b^2-c^2}}\right) + \frac{1}{8\,\text{c} \, \sqrt{b^2-c^2}}\left(\text{c} \, \text{Cosh}[x] + \text{c} \, \text{cosh}[x] + \frac{1}{8\,\text{c} \, \sqrt{b^2-c^2}}\right) + \frac{1}{8\,\text{c} \, \sqrt{b^2-c^2}}}\left(\text{c} \, \text{cosh}[x] + \text{c} \, \text{cosh}[x] + \frac{1}{8\,\text{c} \, \sqrt{b^2-c^2}}\right) + \frac{1}{8\,\text{c} \, \sqrt{b^2-c^2}}\left(\text{c} \, \text{cosh}[x] + \frac{1}{8\,\text{c} \, \sqrt{b^2-c^2}}\right) + \frac{1}{8\,\text{c} \, \sqrt{b^2-c^2}}\left(\text{c} \, \text{cosh}[x] + \frac{1}{8\,\text{c} \, \sqrt{b^2-c^2}}\right) + \frac{1}{8\,\text{c} \, \sqrt{b^2-c^2}}\left(\text{c} \, \text{cosh}[x] + \frac{1}{8\,\text{c} \, \sqrt{b^2-c^2}}\right) + \frac{1}{8\,\text{c} \, \sqrt{b^2-c^2}}\left(\text{c} \, \text{cosh}[x] + \frac{1}{8\,\text{c} \, \sqrt{b^2-c^2}}\right) + \frac{$$

simplified to Indeterminate.  $\gg$ 

$$\begin{aligned} & Simplify::infd: Expression 2 \left( (c \, Cosh[x] + b \, Sinh[x]) \left( -c \, \sqrt{Power[\ll 2 \gg] + Times[\ll 2 \gg]} - b^2 \, Sinh[x] + c^2 \, Sinh[x] \right) \right) \\ & \frac{b \, Cosh[x] \, \sqrt{Times[\ll 2 \gg] + Times[\ll 2 \gg]}}{(Times[\ll 2 \gg] + Times[\ll 2 \gg] + Times[\ll 2 \gg]} \right) \\ & \frac{c \, Sinh[x] \, \sqrt{Times[\ll 2 \gg] + Times[\ll 2 \gg] + Times[\ll 2 \gg]}}{(Times[\ll 2 \gg] + Times[\ll 2 \gg])^2} \right) / \left( 4 \, c \, \sqrt{b^2 - c^2} \, (b \, Cosh[x] + c \, Sinh[x]) \right) - \left( (c \, Cosh[x] + c$$

Unable to integrate:

$$\left\{\frac{1}{\sqrt{-\sqrt{b^2-c^2}+b\,\text{Cosh}[x]+c\,\text{Sinh}[x]}},\,x,\,1,\,0\right\}$$

$$\frac{\text{i} \sqrt{2} \text{ EllipticF}\left[\frac{1}{4} \left(\pi - 2 \text{ i} \left(x + \text{i} \operatorname{ArcTan}[\text{ic,b}]\right)\right), 1\right] \sqrt{\frac{\sqrt{b^2 - c^2} - b \operatorname{Cosh}[x] - c \operatorname{Sinh}[x]}{\sqrt{b^2 - c^2}}} }{\sqrt{-\sqrt{b^2 - c^2}} + b \operatorname{Cosh}[x] + c \operatorname{Sinh}[x]}$$
 
$$\int \frac{1}{\sqrt{-\sqrt{b^2 - c^2}} + b \operatorname{Cosh}[x] + c \operatorname{Sinh}[x]} dx$$

Timed out after 60 seconds:

$$\left\{ \frac{1}{\left(-\sqrt{b^2-c^2} + b \, \text{Cosh}[x] + c \, \text{Sinh}[x]\right)^{3/2}}, \, x, \, 2, \, 0 \right\}$$

$$-\frac{\text{c Cosh[x] + b Sinh[x]}}{2\sqrt{b^2 - c^2} \left(-\sqrt{b^2 - c^2} + b \operatorname{Cosh[x] + c Sinh[x]}\right)^{3/2}} - \frac{\text{i EllipticF}\left[\frac{1}{4}\left(\pi - 2 \text{ i } \left(x + \text{i ArcTan[i c, b]}\right)\right), 1\right] \sqrt{\frac{\sqrt{b^2 - c^2} - b \operatorname{Cosh[x] - c Sinh[x]}}{\sqrt{b^2 - c^2}}}}{2\sqrt{2}\sqrt{b^2 - c^2}} - \frac{2\sqrt{2}\sqrt{b^2 - c^2} + b \operatorname{Cosh[x] + c Sinh[x]}}{\sqrt{b^2 - c^2}}$$

???

Timed out after 60 seconds:

$$\left\{ \frac{1}{\left(-\sqrt{b^2-c^2} + b \, \text{Cosh}[x] + c \, \text{Sinh}[x]\right)^{5/2}}, \, x, \, 3, \, 0 \right\} \\ - \frac{c \, \text{Cosh}[x] + b \, \text{Sinh}[x]}{4 \, \sqrt{b^2-c^2}} + \frac{3 \, \left(c \, \text{Cosh}[x] + b \, \text{Sinh}[x]\right)}{16 \, \left(b^2-c^2\right) \left(-\sqrt{b^2-c^2} + b \, \text{Cosh}[x] + c \, \text{Sinh}[x]\right)^{3/2}} + \frac{3 \, \left(c \, \text{Cosh}[x] + b \, \text{Sinh}[x]\right)}{16 \, \left(b^2-c^2\right) \left(-\sqrt{b^2-c^2} + b \, \text{Cosh}[x] + c \, \text{Sinh}[x]\right)} \\ \frac{3 \, i \, \text{EllipticF}\left[\frac{1}{4} \, \left(\pi - 2 \, i \, \left(x + i \, \text{ArcTan}[i \, c, \, b]\right)\right), \, 1\right] \sqrt{\frac{\sqrt{b^2-c^2} - b \, \text{Cosh}[x] - c \, \text{Sinh}[x]}{\sqrt{b^2-c^2}}} \\ \frac{16 \, \sqrt{2} \, \left(b^2-c^2\right) \sqrt{-\sqrt{b^2-c^2}} + b \, \text{Cosh}[x] + c \, \text{Sinh}[x]}}{16 \, \sqrt{2} \, \left(b^2-c^2\right) \sqrt{-\sqrt{b^2-c^2}} + b \, \text{Cosh}[x] + c \, \text{Sinh}[x]}}$$

???

$$\left\{ \frac{x}{a + b \, Cosh[x] \, Sinh[x]} , \, x, \, 9, \, 0 \right\}$$

$$\frac{x \, Log\left[1 + \frac{b \, e^{2x}}{2 \, a - \sqrt{4} \, a^2 + b^2}\right]}{\sqrt{4 \, a^2 + b^2}} - \frac{x \, Log\left[1 + \frac{b \, e^{2x}}{2 \, a + \sqrt{4} \, a^2 + b^2}\right]}{\sqrt{4 \, a^2 + b^2}} + \frac{PolyLog\left[2, \, -\frac{b \, e^{2x}}{2 \, a - \sqrt{4} \, a^2 + b^2}\right]}{2 \, \sqrt{4 \, a^2 + b^2}} - \frac{PolyLog\left[2, \, -\frac{b \, e^{2x}}{2 \, a + \sqrt{4} \, a^2 + b^2}\right]}{2 \, \sqrt{4 \, a^2 + b^2}} - \frac{PolyLog\left[2, \, -\frac{b \, e^{2x}}{2 \, a + \sqrt{4} \, a^2 + b^2}\right]}{2 \, \sqrt{4 \, a^2 + b^2}} - \frac{PolyLog\left[2, \, -\frac{b \, e^{2x}}{2 \, a + \sqrt{4} \, a^2 + b^2}\right]}{2 \, \sqrt{4 \, a^2 + b^2}} - \frac{PolyLog\left[2, \, -\frac{b \, e^{2x}}{2 \, a + \sqrt{4} \, a^2 + b^2}\right]}{2 \, \sqrt{4 \, a^2 + b^2}} - \frac{PolyLog\left[2, \, -\frac{b \, e^{2x}}{2 \, a + \sqrt{4} \, a^2 + b^2}\right]}{2 \, \sqrt{4 \, a^2 + b^2}} - \frac{PolyLog\left[2, \, -\frac{b \, e^{2x}}{2 \, a + \sqrt{4} \, a^2 + b^2}\right]}{2 \, \sqrt{4 \, a^2 + b^2}} - \frac{PolyLog\left[2, \, -\frac{b \, e^{2x}}{2 \, a + \sqrt{4} \, a^2 + b^2}\right]}{2 \, \sqrt{4 \, a^2 + b^2}} - \frac{PolyLog\left[2, \, -\frac{b \, e^{2x}}{2 \, a + \sqrt{4} \, a^2 + b^2}\right]}{2 \, \sqrt{4 \, a^2 + b^2}} - \frac{PolyLog\left[2, \, -\frac{b \, e^{2x}}{2 \, a + \sqrt{4} \, a^2 + b^2}\right]}{2 \, \sqrt{4 \, a^2 + b^2}} - \frac{PolyLog\left[2, \, -\frac{b \, e^{2x}}{2 \, a + \sqrt{4} \, a^2 + b^2}\right]}{2 \, \sqrt{4 \, a^2 + b^2}} - \frac{PolyLog\left[2, \, -\frac{b \, e^{2x}}{2 \, a + \sqrt{4} \, a^2 + b^2}\right]}{2 \, \sqrt{4 \, a^2 + b^2}} - \frac{PolyLog\left[2, \, -\frac{b \, e^{2x}}{2 \, a + \sqrt{4} \, a^2 + b^2}\right]}{2 \, \sqrt{4 \, a^2 + b^2}} - \frac{PolyLog\left[2, \, -\frac{b \, e^{2x}}{2 \, a + \sqrt{4} \, a^2 + b^2}\right]}{2 \, \sqrt{4 \, a^2 + b^2}} - \frac{PolyLog\left[2, \, -\frac{b \, e^{2x}}{2 \, a + \sqrt{4} \, a^2 + b^2}\right]}{2 \, \sqrt{4 \, a^2 + b^2}} - \frac{PolyLog\left[2, \, -\frac{b \, e^{2x}}{2 \, a + \sqrt{4} \, a^2 + b^2}\right]}{2 \, \sqrt{4 \, a^2 + b^2}} - \frac{PolyLog\left[2, \, -\frac{b \, e^{2x}}{2 \, a + \sqrt{4} \, a^2 + b^2}\right]}{2 \, \sqrt{4 \, a^2 + b^2}} - \frac{PolyLog\left[2, \, -\frac{b \, e^{2x}}{2 \, a + \sqrt{4} \, a^2 + b^2}\right]}{2 \, \sqrt{4 \, a^2 + b^2}} - \frac{PolyLog\left[2, \, -\frac{b \, e^{2x}}{2 \, a + \sqrt{4} \, a^2 + b^2}\right]}{2 \, \sqrt{4 \, a^2 + b^2}} - \frac{PolyLog\left[2, \, -\frac{b \, e^{2x}}{2 \, a + \sqrt{4} \, a^2 + b^2}\right]}{2 \, \sqrt{4 \, a^2 + b^2}} - \frac{PolyLog\left[2, \, -\frac{b \, e^{2x}}{2 \, a + \sqrt{4} \, a^2 + b^2}\right]}{2 \, \sqrt{4 \, a^2 + b^2}} - \frac{PolyLog\left[2, \, -\frac{b \, e^{2x}}{2 \, a + \sqrt{4} \, a^2 + b^2}\right]}{2 \, \sqrt$$

$$\frac{1}{2} \left[ -\frac{i \pi \text{ArcTanh} \left[ \frac{-b \cdot 2 + 7 \sin h \left[ b \right]}{\sqrt{4 \cdot a^2 + b^2}} - \frac{1}{\sqrt{-4 \cdot a^2 - b^2}} \left[ 2 \operatorname{ArcCos} \left[ -\frac{2 \cdot i \cdot a}{b} \right] \operatorname{ArcTanh} \left[ \frac{(2 \cdot a + i \cdot b) \cdot \cot \left[ \frac{1}{4} \left( \pi + 4 \cdot i \cdot x \right) \right]}{\sqrt{-4 \cdot a^2 - b^2}} \right] + \frac{1}{\sqrt{-4 \cdot a^2 - b^2}} \left[ -\frac{2 \cdot i \cdot a}{b} \right] \operatorname{ArcTanh} \left[ \frac{(2 \cdot a + i \cdot b) \cdot \cot \left[ \frac{1}{4} \left( \pi + 4 \cdot i \cdot x \right) \right]}{\sqrt{-4 \cdot a^2 - b^2}} \right] \right]$$
 
$$- \log \left[ \frac{(2 \cdot i \cdot a + b) \cdot \left( -2 \cdot i \cdot a + b + \sqrt{-4 \cdot a^2 - b^2} \right) \left( 1 + i \cdot \cot \left[ \frac{1}{4} \left( \pi + 4 \cdot i \cdot x \right) \right] \right)}{b \cdot \left( 2 \cdot i \cdot a + b + i \cdot \sqrt{-4 \cdot a^2 - b^2} \right) \operatorname{Cot} \left[ \frac{1}{4} \left( \pi + 4 \cdot i \cdot x \right) \right] \right)} \right] - \frac{1}{b} \left[ \operatorname{ArcCos} \left[ -\frac{2 \cdot i \cdot a}{b} \right] - 2 \cdot i \cdot \operatorname{ArcTanh} \left[ \frac{(2 \cdot a + i \cdot b) \cdot \cot \left[ \frac{1}{4} \left( \pi + 4 \cdot i \cdot x \right) \right]}{\sqrt{-4 \cdot a^2 - b^2}} \right] \right] \right]$$
 
$$- \log \left[ \frac{(2 \cdot i \cdot a + b) \cdot \left( 2 \cdot i \cdot a - b + \sqrt{-4 \cdot a^2 - b^2} \cdot \cot \left[ \frac{1}{4} \left( \pi + 4 \cdot i \cdot x \right) \right] \right)}{\sqrt{-4 \cdot a^2 - b^2}} \right] + \frac{1}{b} \left[ \operatorname{ArcCos} \left[ -\frac{2 \cdot i \cdot a}{b} \right] - 2 \cdot i \cdot \operatorname{ArcTanh} \left[ \frac{(2 \cdot a - i \cdot b) \cdot \tan \left[ \frac{1}{4} \left( \pi + 4 \cdot i \cdot x \right) \right]}{\sqrt{-4 \cdot a^2 - b^2}} \right] \right]$$
 
$$- \log \left[ -\frac{(-1)^{1/4} \sqrt{-4 \cdot a^2 - b^2}}{2 \sqrt{-i \cdot b} \cdot \sqrt{-4 \cdot a^2 - b^2}} \cdot \left[ 2 \cdot a + i \cdot b \cdot \cot \left[ \frac{1}{4} \left( \pi + 4 \cdot i \cdot x \right) \right]} \right] + \operatorname{ArcTanh} \left[ \frac{(2 \cdot a - i \cdot b) \cdot \tan \left[ \frac{1}{4} \left( \pi + 4 \cdot i \cdot x \right) \right]}{\sqrt{-4 \cdot a^2 - b^2}} \right] \right] \right]$$
 
$$- \log \left[ -\frac{(-1)^{1/4} \sqrt{-4 \cdot a^2 - b^2}}{2 \sqrt{-i \cdot b} \cdot \sqrt{-4 \cdot a^2 - b^2}} \left[ 2 \cdot i \cdot a + b \cdot \cot \left[ \frac{1}{4} \left( \pi + 4 \cdot i \cdot x \right) \right]} \right] + \operatorname{ArcTanh} \left[ \frac{(2 \cdot a - i \cdot b) \cdot \tan \left[ \frac{1}{4} \left( \pi + 4 \cdot i \cdot x \right) \right]}{\sqrt{-4 \cdot a^2 - b^2}} \right] \right] \right]$$
 
$$- \log \left[ -\frac{(-1)^{1/4} \sqrt{-4 \cdot a^2 - b^2}}{2 \sqrt{-i \cdot b} \cdot \sqrt{-4 \cdot a^2 - b^2}} \left[ 2 \cdot i \cdot a + b \cdot i \cdot \sqrt{-4 \cdot a^2 - b^2} \cdot \cot \left[ \frac{1}{4} \left( \pi + 4 \cdot i \cdot x \right) \right]} \right] \right]$$
 
$$- \log \left[ -\frac{(-1)^{1/4} \sqrt{-4 \cdot a^2 - b^2}}{2 \sqrt{-i \cdot b} \cdot \sqrt{-4 \cdot a^2 - b^2}} \left[ 2 \cdot i \cdot a + b \cdot i \cdot \sqrt{-4 \cdot a^2 - b^2} \cdot \cot \left[ \frac{1}{4} \left( \pi + 4 \cdot i \cdot x \right) \right]} \right] \right]$$
 
$$- \log \left[ -\frac{(-1)^{1/4} \sqrt{-4 \cdot a^2 - b^2}}{2 \sqrt{-i \cdot b} \cdot \sqrt{-4 \cdot a^2 - b^2}} \left[ -\frac{(-1)^{1/4} \sqrt{-4 \cdot a^2 - b^2}}{2 \sqrt{-i \cdot b} \cdot \sqrt{-4 \cdot a^2 - b^2}} \left[ -\frac{(-1)^{1/4} \sqrt{-4 \cdot a^2 - b^2}}{2 \sqrt{-i \cdot b} \cdot \sqrt{-4 \cdot a^$$

## Miscellaneous problems involving hyperbolic functions

Incorrect antiderivative:

$$\left\{ \frac{ \operatorname{Tanh}[x]^5}{\sqrt{a + b \operatorname{Tanh}[x]^2}} + \operatorname{Canh}[x]^4}{b \operatorname{ArcTanh}} \left[ \frac{b^{1/2} \operatorname{Canh}[x]^4}{2\sqrt{c} \sqrt{a + b \operatorname{Tanh}[x]^2 + c \operatorname{Tanh}[x]^4}} \right] - \operatorname{ArcTanh} \left[ \frac{b^{1/2} \operatorname{Canh}[x]^4}{2\sqrt{c} \sqrt{a + b \operatorname{Tanh}[x]^2 + c \operatorname{Tanh}[x]^4}} \right] - \operatorname{ArcTanh} \left[ \frac{2 \operatorname{Anb}(b + 2c) \operatorname{Tanh}[x]^4}{2\sqrt{c} \sqrt{a + b \operatorname{Tanh}[x]^2 + c \operatorname{Tanh}[x]^4}} \right] - \frac{2 \sqrt{c}}{2\sqrt{c} \sqrt{a + b \operatorname{Tanh}[x]^2 + c \operatorname{Tanh}[x]^4}} - \frac{2 \sqrt{c}}{2\sqrt{c} \sqrt{a + b \operatorname{Tanh}[x]^2 + c \operatorname{Tanh}[x]^4}} \right] - \frac{\sqrt{a + b \operatorname{Tanh}[x]^2 + c \operatorname{Tanh}[x]^4}}{2\sqrt{a + b + c}} - \frac{2 c}{2c} - \frac{\sqrt{a + b \operatorname{Tanh}[x]^2 + c \operatorname{Tanh}[x]^4}}{2\sqrt{a + b + c}} - \frac{2 c}{2c} - \frac{\sqrt{a + b \operatorname{Tanh}[x]^2 + c \operatorname{Tanh}[x]^4}}{2\sqrt{a + b + c}} - \frac{2 c}{2c} - \frac{\sqrt{a + b \operatorname{Tanh}[x]^2 + c \operatorname{Tanh}[x]^4}}{2\sqrt{a + b \operatorname{Tanh}[x]^2 + c \operatorname{Tanh}[x]^4}} - \frac{2 c}{2c} - \frac{\sqrt{a + b \operatorname{Tanh}[x]^2 + c \operatorname{Tanh}[x]^4}}}{2\sqrt{a + b \operatorname{Tanh}[x]^2 + c \operatorname{Tanh}[x]^4}} - \frac{2 c}{2c} - \frac{\sqrt{a + b \operatorname{Tanh}[x]^2 + c \operatorname{Tanh}[x]^4}}}{2\sqrt{a + b \operatorname{Tanh}[x]^2 + c \operatorname{Tanh}[x]^4}} - \frac{2 c}{2c} - \frac{\sqrt{a + b \operatorname{Tanh}[x]^2 + c \operatorname{Tanh}[x]^4}}}{2\sqrt{a + b \operatorname{Tanh}[x]^2 + c \operatorname{Tanh}[x]^4}} - \frac{2 c}{2c} - \frac{\sqrt{a + b \operatorname{Tanh}[x]^2 + c \operatorname{Tanh}[x]^4}}}{2\sqrt{a + b \operatorname{Tanh}[x]^2 + c \operatorname{Tanh}[x]^4}} - \frac{2 c}{2c} - \frac{\sqrt{a + b \operatorname{Tanh}[x]^2 + c \operatorname{Tanh}[x]^4}}}{2\sqrt{a + b \operatorname{Tanh}[x]^2 + c \operatorname{Tanh}[x]^4}} - \frac{2 c}{2c} - \frac{\sqrt{a + b \operatorname{Tanh}[x]^2 + c \operatorname{Tanh}[x]^4}}}{2\sqrt{a + b \operatorname{Tanh}[x]^2 + c \operatorname{Tanh}[x]^4}} - \frac{2 c}{2c} - \frac{\sqrt{a + b \operatorname{Tanh}[x]^2 + c \operatorname{Tanh}[x]^4}}}{2\sqrt{a + b \operatorname{Tanh}[x]^4 + a \operatorname{Tanh}[x]^4}} - \frac{3 c}{3 + 4 \operatorname{Cosh}[2x]} + \frac{3 c \operatorname{Cosh}[4x]}}{3 + 4 \operatorname{Cosh}[2x] + \operatorname{Cosh}[4x]} - \frac{3 c \operatorname{Cosh}[4x]}}{3 + 4 \operatorname{Cosh}[2x] + \operatorname{Cosh}[4x]} - \frac{3 c \operatorname{Cosh}[4x]}{3 + 4 \operatorname{Cosh}[2x] + \operatorname{Cosh}[4x]} - \frac{3 c \operatorname{Cosh}[4x]}{3 + 4 \operatorname{Cosh}[2x] + \operatorname{Cosh}[4x]} - \frac{3 c \operatorname{Cosh}[4x]}{3 + 4 \operatorname{Cosh}[2x] + \operatorname{Cosh}[4x]} - \frac{3 c \operatorname{Cosh}[4x]}{3 + 4 \operatorname{Cosh}[2x] + \operatorname{Cosh}[4x]} - \frac{3 c \operatorname{Cosh}[4x]}{3 + 4 \operatorname{Cosh}[2x] + \operatorname{Cosh}[4x]} - \frac{3 c \operatorname{Cosh}[4x]}{3 + 4 \operatorname{Cosh}[2x] + \operatorname{Cosh}[4x]} - \frac{3 c \operatorname{Cosh}[4x]}{3 + 4 \operatorname{Cosh}[2x] + \operatorname{Cosh}[4x]} - \frac{3 c \operatorname{Cosh}[4x]}{3 + 4 \operatorname{Cosh}[2x] + \operatorname{Cosh}[4x]} - \frac{3 c \operatorname{Cosh}[4x]}{3 +$$

```
 \left( (b-c) (1 + Cosh[2x]) \sqrt{\frac{3 a-b+3 c+(4 a-4 c) Cosh[2x]+(a+b+c) Cosh[4x]}{(1 + Cosh[2x])^2} \right) 
                                                                     (3 \, a - b + 3 \, c + 4 \, (a - c) \, Cosh[2 \, x] \, + \, (a + b + c) \, Cosh[4 \, x]) \, Csch[x] \, Log[b + 2 \, c \, Tanh[x]^2 \, + \, Cosh[4 \, x]) \, Csch[x] \, Log[b + 2 \, c \, Tanh[x]^2] \, + \, Cosh[x] \, Csch[x] \, Cs
                                                                                         2\,\sqrt{c}\,\,\sqrt{a+b\,\,\text{Tanh}\,[\,x\,]^{\,2}+c\,\,\text{Tanh}\,[\,x\,]^{\,4}\,\,}\,\,]\,\,\text{Sech}\,[\,x\,]\,\,\left(\frac{b\,\,\text{Sech}\,[\,x\,]^{\,2}\,\,\text{Sinh}\,[\,2\,\,x\,]}{\sqrt{3\,\,a-b+3\,\,c+4\,\,(a-c)\,\,\,\text{Cosh}\,[\,2\,\,x\,]\,\,+\,\,(a+b+c)\,\,\,\text{Cosh}\,[\,4\,\,x\,]}}\right)
                                                                                                                                                                                                                                                                                                                                   c Sech[x]^2 Sinh[2x]
                                                                                                      \sqrt{3 a - b + 3 c + 4 (a - c) \cosh[2 x] + (a + b + c) \cosh[4 x]}
                                                                                                                                                                                                                                            c Cosh[2x] Sech[x]^2 Sinh[2x]
                                                                                                    \sqrt{3 a - b + 3 c + 4 (a - c) Cosh[2 x] + (a + b + c) Cosh[4 x]}
                                         \left( 8\,\sqrt{2}\,\,\sqrt{c}\,\,\left( b-c+c\, \text{Cosh}[\,2\,x\,] \,\right)\,\sqrt{3\,a-b+3\,c+(4\,a-4\,c)\,\, \text{Cosh}[\,2\,x\,]\,+(a+b+c)\,\, \text{Cosh}[\,4\,x\,]} \right) 
                                                                \sqrt{(3 a - b + 3 c + 4 (a - c) Cosh[2 x] + (a + b + c) Cosh[4 x]) Sech[x]^4} +
                                 c \, Cosh[2 \, x] \, (3 \, a - b + 3 \, c + 4 \, (a - c) \, Cosh[2 \, x] + (a + b + c) \, Cosh[4 \, x])
                                                                   \left( 2 \text{ a} \sqrt{3 \text{ a} - \text{b} + 3 \text{ c} + 4 \text{ a} \text{ Cosh}[2 \text{ x}] - 4 \text{ c} \text{ Cosh}[2 \text{ x}] + \text{a} \text{ Cosh}[4 \text{ x}] + \text{b} \text{ Cosh}[4 \text{ x}] + \text{c} \text{ Cosh}[4 \text{ x}]} \right. + \\ \left( 2 \text{ a} \sqrt{3 \text{ a} - \text{b} + 3 \text{ c} + 4 \text{ a} \text{ Cosh}[2 \text{ x}] - 4 \text{ c} \text{ Cosh}[2 \text{ x}] + \text{a} \text{ Cosh}[4 \text{ x}] + \text{b} \text{ Cosh}[4 \text{ x}] + \text{c} \text{c} \text{ Cosh}[4
                                                                                             2\ b\ \sqrt{3\ a-b+3\ c+4\ a\ Cosh[2\ x]\ -4\ c\ Cosh[2\ x]\ +a\ Cosh[4\ x]\ +b\ Cosh[4\ x]\ +c\ Cosh[4\ x]\ +c\
                                                                                             2\ c\ \sqrt{3\ a\ -\ b\ +\ 3\ c\ +\ 4\ a\ Cosh[\ 2\ x]\ -\ 4\ c\ Cosh[\ 2\ x]\ +\ a\ Cosh[\ 4\ x]\ +\ b\ Cosh[\ 4\ x]\ +\ c\ Cos
                                                                \sqrt{\left[\frac{1}{2 + b + a} \left(2b + 4c + \sqrt{2} \sqrt{(2b^2 - 8ac + a(3a - b + 3c + 4aCosh[2x] - 4cCosh[2x] + aCosh[4x] + bCosh[4x] + bCosh
                                                                                                                                                                                                                                                          \verb| c Cosh[4x]| + b (3a - b + 3c + 4a Cosh[2x] - 4c Cosh[2x] + a Cosh[4x] + b Cosh[4x] + c Cosh[4x]) + c Cosh[4x] + c Co
                                                                                                                                                                                                             c (3 a - b + 3 c + 4 a Cosh[2 x] - 4 c Cosh[2 x] + a Cosh[4 x] + b Cosh[4 x] + c Cosh[4 x]))
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           \frac{1}{\sqrt{}} ArcTanh
                                                                                                                                   \left( \, (b + 2 \, c) \, \sqrt{3 \, a - b + 3 \, c + 4 \, a \, Cosh[2 \, x] \, - 4 \, c \, Cosh[2 \, x] \, + a \, Cosh[4 \, x] \, + b \, Cosh[4 \, x] \, + c \, Cosh[4 \, x] \, \right) / \left( \, (b + 2 \, c) \, \sqrt{3 \, a - b + 3 \, c + 4 \, a \, Cosh[2 \, x] \, - 4 \, c \, Cosh[2 \, x] \, + a \, Cosh[4 \, x] \, + b \, Cosh[4 \, x] \, + c \,
                                                                                                                                                 2\sqrt{c}\sqrt{2b^2-8ac+a(3a-b+3c+4aCosh[2x]-4cCosh[2x]+aCosh[4x]+bCosh[4x]+cCosh[4x])}
                                                                                                                                                                                                                             \texttt{b} \; (3 \; \texttt{a} \; - \; \texttt{b} \; + \; 3 \; \texttt{c} \; + \; 4 \; \texttt{a} \; \texttt{Cosh}[\; 2 \; \texttt{x}] \; - \; 4 \; \texttt{c} \; \texttt{Cosh}[\; 2 \; \texttt{x}] \; + \; \texttt{a} \; \texttt{Cosh}[\; 4 \; \texttt{x}] \; + \; \texttt{b} \; \texttt{Cosh}[\; 4 \; \texttt{x}] \; + \; \texttt{c} \; \texttt{Cosh}[\; 4 \; \texttt{x}] \; ) \; + \; \texttt{c} \; \texttt{cosh}[\; 4 \; \texttt{x}] \; + \; \texttt{cosh}[\; 4 \; \texttt{
                                                                                                                                                                                                                            c(3a-b+3c+4aCosh[2x]-4cCosh[2x]+aCosh[4x]+bCosh[4x]+cCosh[4x])))
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b\sqrt{3}a - b + 3c + 4a Cosh[2x] - 4c Cosh[2x] + a Cosh[4x] + b Cosh[4x] + c Cosh[4x] + c Cosh[4x]
                                                                                                                                            c\sqrt{3}a - b + 3c + 4a \cosh[2x] - 4c \cosh[2x] + a \cosh[4x] + b \cosh[4x] + c \cosh[4x] + \sqrt{a + b + c}
                                                                                                                                                           \sqrt{(2b^2 - 8ac + a(3a - b + 3c + 4aCosh[2x] - 4cCosh[2x] + aCosh[4x] + bCosh[4x] + cCosh[4x])}
                                                                                                                                                                                                         \texttt{b} \; (3 \; \texttt{a} \; - \; \texttt{b} \; + \; 3 \; \texttt{c} \; + \; 4 \; \texttt{a} \; \texttt{Cosh}[\; 2 \; \texttt{x}] \; - \; 4 \; \texttt{c} \; \texttt{Cosh}[\; 2 \; \texttt{x}] \; + \; \texttt{a} \; \texttt{Cosh}[\; 4 \; \texttt{x}] \; + \; \texttt{b} \; \texttt{Cosh}[\; 4 \; \texttt{x}] \; + \; \texttt{c} \; \texttt{Cosh}[\; 4 \; \texttt{x}] \; ) \; + \; \texttt{c} \; \texttt{cosh}[\; 4 \; \texttt{x}] \; + \; \texttt{cosh}[\; 4 \; \texttt{
                                                                                                                                                                                                      c (3 a - b + 3 c + 4 a Cosh[2 x] - 4 c Cosh[2 x] + a Cosh[4 x] + b Cosh[4 x] + c Cosh[4 x]))
              Sech[x]^{2} \left( \frac{b \, Sech[x]^{2} \, Sinh[2 \, x]}{\sqrt{3 \, a - b + 3 \, c + 4 \, (a - c) \, Cosh[2 \, x] + (a + b + c) \, Cosh[4 \, x]}} \right)
                                                                                                                                                                                                                                                                      c Sech[x]^2 Sinh[2x]
                                                       \sqrt{3 a - b + 3 c + 4 (a - c) Cosh[2x] + (a + b + c) Cosh[4x]}
                                                                                                                                                                                                          c Cosh[2x] Sech[x]2 Sinh[2x]
                                                       \sqrt{3 a - b + 3 c + 4 (a - c) \cosh[2 x] + (a + b + c) \cosh[4 x]}
                       (4 \text{ a Sinh}[2 \text{ x}] - 4 \text{ c Sinh}[2 \text{ x}] + 2 \text{ a Sinh}[4 \text{ x}] + 2 \text{ b Sinh}[4 \text{ x}] + 2 \text{ c Sinh}[4 \text{ x}])
 \begin{array}{c} (32 \ (b-c+c \ Cosh[2 \ x]) \ \sqrt{3 \ a-b+3 \ c+4 \ a \ Cosh[2 \ x]-4 \ c \ Cosh[2 \ x]+a \ Cosh[4 \ x]+b \ Cosh[4 \ x]+c \ Cosh[4 \ x]+
                   \sqrt{\left(2\,b^2-8\,a\,c+a\,\left(3\,a-b+3\,c+4\,a\,Cosh[2\,x]-4\,c\,Cosh[2\,x]+a\,Cosh[4\,x]+b\,Cosh[4\,x]+c\,Cosh[4\,x]\right)} + \\
                                                             b (3a - b + 3c + 4a Cosh[2x] - 4c Cosh[2x] + a Cosh[4x] + b Cosh[4x] + c Cosh[4x]) +
                                                                  c(3a-b+3c+4aCosh[2x]-4cCosh[2x]+aCosh[4x]+bCosh[4x]+cCosh[4x])
                 \sqrt{\left(\frac{1}{a+b+c}\left(-4 \ a-2 \ b+\sqrt{2} \ \sqrt{\left(2 \ b^2-8 \ a \ c+a \ (3 \ a-b+3 \ c+4 \ a \ Cosh[2 \ x] -4 \ c \ Cosh[2 \ x] + a \ Cosh[4 \ x] + b \ Cosh[4 \ x]
                                                                                                                                                                                                      \texttt{c} \; \texttt{Cosh[4\,x])} \; + \; \texttt{b} \; (3 \; \texttt{a} \; - \; \texttt{b} \; + \; 3 \; \texttt{c} \; + \; 4 \; \texttt{a} \; \texttt{Cosh[2\,x]} \; - \; 4 \; \texttt{c} \; \texttt{Cosh[2\,x]} \; + \; \texttt{a} \; \texttt{Cosh[4\,x]} \; + \; \texttt{b} \; \texttt{Cosh[4\,x]} \; + \; \texttt{c} \; \texttt{Cosh[4\,x]}) \; + \; \texttt{c} \; \texttt{cosh[4\,x]} \; + \; \texttt{c} \; \texttt{
                                                                                                                                                         c (3 a - b + 3 c + 4 a Cosh[2 x] - 4 c Cosh[2 x] + a Cosh[4 x] + b Cosh[4 x] + c Cosh[4 x]))
                       \left[-2 \text{ a} + 2 \text{ c} + \sqrt{2} \sqrt{2 \text{ b}^2 - 8 \text{ a} \text{ c} + \text{ a} (3 \text{ a} - \text{b} + 3 \text{ c} + 4 \text{ a} \text{ Cosh}[2 \text{ x}] - 4 \text{ c} \text{ Cosh}[2 \text{ x}] + \text{a} \text{ Cosh}[4 \text{ x}] + \text{b} \text{ Cosh}[4 \text{ x}] + \text{b} \text{ Cosh}[4 \text{ x}] + \text{b} \text{ Cosh}[4 \text{ x}] + \text{c} \text{ Cosh}[4 \text{ x}
                                                                                                                                                       c \, \, Cosh[\, 4\, x]\,) \,\, + \, b \,\, (3\, a \, - \, b \, + \, 3\, c \, + \, 4\, a \, \, Cosh[\, 2\, x]\, \, - \, 4\, c \,\, Cosh[\, 2\, x]\, \, + \, a \,\, Cosh[\, 4\, x]\, \, + \, b \,\, Cosh[\, 4\, x]\, \, + \, c \,\, Cosh[\, 4\, x]\,) \,\, + \, c \,\, Cosh[\, 4\, x]\,) \,\, + \, c \,\, Cosh[\, 4\, x]\, \, + \, c \,\, Cosh[\, 4\, x]\, \, + \, c \,\, Cosh[\, 4\, x]\,) \,\, + \, c \,\, Cosh[\, 4\, x]\,) \,\, + \, c \,\, Cosh[\, 4\, x]\, \, + \, c \,\, Cosh[\, 4\, x]\,) \,\, + \,\, c \,\, Cosh[
                                                                                                                              \left(3 \text{ a - b + 3 c + 4 a } \operatorname{Cosh}[2 \text{ x}] - 4 \text{ c } \operatorname{Cosh}[2 \text{ x}] + \operatorname{a } \operatorname{Cosh}[4 \text{ x}] + \operatorname{b } \operatorname{Cosh}[4 \text{ x}] + \operatorname{c } \operatorname{Cosh}[4 \text{ x}])\right)\right) \sqrt{\left[-1 + \frac{1}{2(a + b + c)} + \frac{1}{2(a + b 
                                                                                 \left(-2 \, a + 2 \, c + \sqrt{2} \, \sqrt{\left(2 \, b^2 - 8 \, a \, c + a \, \left(3 \, a - b + 3 \, c + 4 \, a \, \text{Cosh}[2 \, x] - 4 \, c \, \text{Cosh}[2 \, x] + a \, \text{Cosh}[4 \, x] + b \, \text
                                                                                                                                                                                                                       \verb|cCosh[4x]| + b(3a - b + 3c + 4aCosh[2x] - 4cCosh[2x] + aCosh[4x] + bCosh[4x] + cCosh[4x]) + cCosh[4x]| +
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c (3 a - b + 3 c + 4 a Cosh[2 x] - 4 c Cosh[2 x] + a Cosh[4 x] + b Cosh[4 x] + c Cosh[4 x]))
                                                              \sqrt{\left(1 + \frac{1}{2(a+b+c)} \left(-2a+2c+\sqrt{2}\sqrt{2b^2-8ac+a(3a-b+3c+4aCosh[2x]-4cCosh[2x]+acc+a(3a-b+3c+4aCosh[2x]-4cCosh[2x]+acc+a(3a-b+3c+4aCosh[2x]-4cCosh[2x]+acc+a(3a-b+3c+4aCosh[2x]-4cCosh[2x]-acc+a(3a-b+3c+4aCosh[2x]-acc+a(3a-b+3c+4aCosh[2x]-acc+a(3a-b+3c+4aCosh[2x]-acc+a(3a-b+3c+4aCosh[2x]-acc+a(3a-b+3c+4aCosh[2x]-acc+a(3a-b+3c+4aCosh[2x]-acc+a(3a-b+3c+4aCosh[2x]-acc+a(3a-b+3c+4aCosh[2x]-acc+a(3a-b+3c+4aCosh[2x]-acc+a(3a-b+3c+4aCosh[2x]-acc+a(3a-b+3c+4aCosh[2x]-acc+a(3a-b+3c+4aCosh[2x]-acc+a(3a-b+3c+4aCosh[2x]-acc+a(3a-b+3c+4aCosh[2x]-acc+a(3a-b+3c+4aCosh[2x]-acc+a(3a-b+3c+4aCosh[2x]-acc+a(3a-b+3c+4aCosh[2x]-acc+a(3a-b+3c+4aCosh[2x]-acc+a(3a-b+3c+4aCosh[2x]-acc+a(3a-b+3c+4aCosh[2x]-acc+a(3a-b+3c+4aCosh[2x]-acc+a(3a-b+3c+4aCosh[2x]-acc+a(3a-b+3c+4aCosh[2x]-acc+a(3a-b+3c+4aCosh[2x]-acc+a(3a-b+3c+4aCosh[2x]-acc+a(3a-b+3c+4aCosh[2x]-acc+a(3a-b+3c+4aCosh[2x]-acc+a(3a-b+3c+4aCosh[2x]-acc+a(3a-b+3c+4aCosh[2x]-acc+a(3a-b+3c+4aCosh[2x]-acc+a(3a-b+3c+4aCosh[2x]-acc+a(3a-b+3c+4aCosh[2x]-acc+a(3a-b+3c+4aCosh[2x]-acc+a(3a-b+3c+4aCosh[2x]-acc+a(3a-b+3c+4aCosh[2x]-acc+a(3a-b+3c+4aCosh[2x]-acc+a(3a-b+3c+4aCosh[2x]-acc+a(3a-b+3c+4aCosh[2x]-acc+a(3a-b+3c+4aCosh[2x]-acc+a(3a-b+3c+4aCosh[2x]-acc+a(3a-b+3c+4aCosh[2x]-acc+a(3a-b+3c+4aCosh[2x]-acc+a(3a-b+3c+4aCosh[2x]-acc+a(3a-b+3c+4aCosh[2x]-acc+a(3a-b+3c+4aCosh[2x]-acc+a(3a-b+3c+4aCosh[2x]-acc+a(3a-b+3c+4aCosh[2x]-acc+a(3a-b+3c+4aCosh[2x]-acc+a(3a-b+3c+4aCosh[2x]-acc+a(3a-b+3c+4aCosh[2x]-acc+a(3a-b+3c+4aCosh[2x]-acc+a(3a-b+3c+4aCosh[2x]-acc+a(3a-b+3c+4aCosh[2x]-acc+a(3a-b+3c+4aCosh[2x]-acc+a(acc+a(acc+a(acc+a(acc+a(acc+a(acc+a(acc+a(acc+a(acc+a(acc+a(acc+a(acc+a(acc+a(acc+a(acc+a(acc+a(acc+a(acc+a(acc+a(acc+a(acc+a(acc+a(acc+a(acc+a(acc+a(acc+a(acc+a(acc+a(acc+a(acc+a(acc+a(acc+a(acc+a(acc+a(acc+a(acc+a(acc+a(acc+a(acc+a(acc+a(acc+a(acc+a(acc+a(acc+a(acc+a(acc+a(acc+a(acc+a(acc+a(acc+a(acc+a(acc+a(acc+a(acc+a(acc+a(acc+a(acc+a(acc+a(acc+a(acc+a(acc+a(acc+a(acc+a(acc+a(acc+a(acc+a(acc+a(acc+a(acc+a(acc+a(acc+a(acc+a(acc+a(acc+a(acc+a(acc+a(acc+a(acc+a(acc+a(acc+a(acc+a(acc+a(acc+a(acc
                                                                                                                                                                                                        a Cosh[4x] + b Cosh[4x] + c Cosh[4x]) +
                                                                                                                                                                        \texttt{b} \; (3 \; \texttt{a} \; - \; \texttt{b} \; + \; \texttt{3} \; \texttt{c} \; + \; \texttt{4} \; \texttt{a} \; \texttt{Cosh} [\; 2 \; \texttt{x}\;] \; - \; \texttt{4} \; \texttt{c} \; \texttt{Cosh} [\; 2 \; \texttt{x}\;] \; + \; \texttt{a} \; \texttt{Cosh} [\; 4 \; \texttt{x}\;] \; + \; \texttt{b} \; \texttt{Cosh} [\; 4 \; \texttt{x}\;] \; + \; \texttt{c} \; \texttt{Cosh} [\; 4 \; \texttt{x}\;] \; ) \; + \; \texttt{c} \; \texttt{cosh} [\; 4 \; \texttt{x}\;] \; + \; \texttt{c} \; \texttt{cosh} [\; 4 \; \texttt{x}\;] \; ) \; + \; \texttt{c} \; \texttt{cosh} [\; 4 \; \texttt{x}\;] \; + \; \texttt{c} \; \texttt{cosh} [\; 4 \; \texttt{x}\;] \; + \; \texttt{c} \; \texttt{cosh} [\; 4 \; \texttt{x}\;] \; ) \; + \; \texttt{c} \; \texttt{cosh} [\; 4 \; \texttt{x}\;] \; + \; \texttt{c} \; \texttt{cosh} [\; 4 \; \texttt{x}\;] \; ) \; + \; \texttt{c} \; \texttt{cosh} [\; 4 \; \texttt{x}\;] \; + \; \texttt{c} \; \texttt{cosh} [\; 4 \; \texttt{x}\;] \; ) \; + \; \texttt{c} \; \texttt{cosh} [\; 4 \; \texttt{x}\;] \; ) \; + \; \texttt{c} \; \texttt{cosh} [\; 4 \; \texttt{x}\;] \; + \; \texttt{c} \; \texttt{cosh} [\; 4 \; \texttt{x}\;] \; ) \; + \; \texttt{c} \; \texttt{cosh} [\; 4 \; \texttt{x}\;] \; ) \; + \; \texttt{c} \; \texttt{cosh} [\; 4 \; \texttt{x}\;] \; ) \; + \; \texttt{c} \; \texttt{cosh} [\; 4 \; \texttt{x}\;] \; ) \; + \; \texttt{c} \; \texttt{cosh} [\; 4 \; \texttt{x}\;] \; ) \; + \; \texttt{c} \; \texttt{cosh} [\; 4 \; \texttt{x}\;] \; ) \; + \; \texttt{c} \; \texttt{cosh} [\; 4 \; \texttt{x}\;] \; ) \; + \; \texttt{c} \; \texttt{cosh} [\; 4 \; \texttt{x}\;] \; ) \; + \; \texttt{c} \; \texttt{cosh} [\; 4 \; \texttt{x}\;] \; ) \; + \; \texttt{c} \; \texttt{cosh} [\; 4 \; \texttt{x}\;] \; ) \; + \; \texttt{c} \; \texttt{cosh} [\; 4 \; \texttt{x}\;] \; ) \; + \; \texttt{c} \; \texttt{cosh} [\; 4 \; \texttt{x}\;] \; ) \; + \; \texttt{c} \; \texttt{cosh} [\; 4 \; \texttt{x}\;] \; ) \; + \; \texttt{c} \; \texttt{cosh} [\; 4 \; \texttt{x}\;] \; ) \; + \; \texttt{c} \; \texttt{cosh} [\; 4 \; \texttt{x}\;] \; ) \; + \; \texttt{c} \; \texttt{cosh} [\; 4 \; \texttt{x}\;] \; ) \; + \; \texttt{c} \; \texttt{cosh} [\; 4 \; \texttt{x}\;] \; ) \; + \; \texttt{c} \; \texttt{cosh} [\; 4 \; \texttt{x}\;] \; ) \; + \; \texttt{c} \; \texttt{cosh} [\; 4 \; \texttt{x}\;] \; ) \; + \; \texttt{c} \; \texttt{cosh} [\; 4 \; \texttt{x}\;] \; ) \; + \; \texttt{c} \; \texttt{cosh} [\; 4 \; \texttt{x}\;] \; ) \; + \; \texttt{c} \; \texttt{cosh} [\; 4 \; \texttt{x}\;] \; + \; \texttt{c} \; \texttt{cosh} [\; 4 \; \texttt{x}\;] \; ) \; + \; \texttt{c} \; \texttt{cosh} [\; 4 \; \texttt{x}\;] \; + \; \texttt{c} \; \texttt{cosh} [\; 4 \; \texttt{x}\;] \; + \; \texttt{c} \; \texttt{cosh} [\; 4 \; \texttt{x}\;] \; ) \; + \; \texttt{c} \; \texttt{cosh} [\; 4 \; \texttt{x}\;] \; + \; \texttt{c} \; \texttt{cosh} [\; 4 \; \texttt{x}\;] \; + \; \texttt{c} \; \texttt{cosh} [\; 4 \; \texttt{x}\;] \; + \; \texttt{c} \; \texttt{cosh} [\; 4 \; \texttt{x}\;] \; + \; \texttt{c} \; \texttt{cosh} [\; 4 \; \texttt{x}\;] \; + \; \texttt{c} \; \texttt{cosh} [\; 4 \; \texttt{x}\;] \; + \; \texttt{c} \; \texttt{cosh} [\; 4 \; \texttt{x}\;] \; + \; \texttt{c} \; \texttt{cosh} [\; 4 \; \texttt{x}\;] \; + \; \texttt{c} \; \texttt{cosh} [\; 4 \; \texttt{x}\;] \; + \; \texttt{c} \; \texttt{cosh} [\; 4 \; \texttt{x}\;] \; + \; \texttt{c} \; \texttt{cosh} [\; 4 \; \texttt{x}\;] \; + \; \texttt{c} \;
                                                                                                                                                                       c (3 a - b + 3 c + 4 a Cosh[2 x] - 4 c Cosh[2 x] + a Cosh[4 x] + b Cosh[4 x] + c Cosh[4 x])
                                                                  \sqrt{(3 a - b + 3 c + 4 (a - c) Cosh[2 x] + (a + b + c) Cosh[4 x]) Sech[x]^4}
 - \left( (b-c) \; \left( 1 + \text{Cosh} \left[ 2 \; x \right] \right) \; \sqrt{ \frac{ 3 \; a - b + 3 \; c + \; \left( 4 \; a - 4 \; c \right) \; \text{Cosh} \left[ 2 \; x \right] \; + \; \left( a + b + c \right) \; \text{Cosh} \left[ 4 \; x \right] }{ \left( 1 + \text{Cosh} \left[ 2 \; x \right] \right)^{ \, 2} } 
                                                         (3 a - b + 3 c + 4 (a - c) Cosh[2x] + (a + b + c) Cosh[4x]) Csch[x]^{2}
                                                     Log[b+2cTanh[x]^2+2\sqrt{c}\sqrt{a+bTanh[x]^2+cTanh[x]^4}]
                                                                   \frac{\text{b Sech}[\,x\,]^{\,2}\,\text{Sinh}[\,2\,\,x]}{\sqrt{3\,\,a-b+3\,\,c+4\,\,(a-c)\,\,\text{Cosh}[\,2\,\,x]\,\,+\,\,(a+b+c)\,\,\text{Cosh}[\,4\,\,x]}} - \frac{\text{c Sech}[\,x\,]^{\,2}\,\,\text{Sinh}[\,2\,\,x]}{\sqrt{3\,\,a-b+3\,\,c+4\,\,(a-c)\,\,\text{Cosh}[\,2\,\,x]\,\,+\,\,(a+b+c)\,\,\text{Cosh}[\,4\,\,x]}}
                                                                             \frac{\text{c Cosh[2\,x] Sech[x]}^2\,\text{Sinh[2\,x]}}{\sqrt{3\,a-b+3\,c+4\,(a-c)\,\,\text{Cosh[2\,x]} + (a+b+c)\,\,\text{Cosh[4\,x]}}}
                                      \left(8\,\sqrt{2}\,\,\sqrt{c}\,\,\left(b-c+c\,\text{Cosh}\,[\,2\,\,x\,]\,\right)\,\sqrt{\,3\,\,a-b+3\,\,c+\,(4\,\,a-4\,\,c)\,\,\text{Cosh}\,[\,2\,\,x\,]\,+\,(a+b+c)\,\,\text{Cosh}\,[\,4\,\,x\,]}\right)
                                                        \sqrt{\;(\,3\;a\,-\,b\,+\,3\;c\,+\,4\;(\,a\,-\,c\,)\;\,Cosh[\,2\;x\,]\,\,+\,\,(\,a\,+\,b\,+\,c\,)\;\,Cosh[\,4\;x\,]\,\,)\;\,Sech[\,x\,]^{\,4}\;\,}\;\,+\,\,(\,a\,+\,b\,+\,c\,)\,\,Cosh[\,4\;x\,]\,\,)\;\,Sech[\,x\,]^{\,4}\;\,}
                         c \, Cosh[2 \, x] (8 \, a \, Cosh[2 \, x] - 8 \, c \, Cosh[2 \, x] + 8 \, a \, Cosh[4 \, x] + 8 \, b \, Cosh[4 \, x] + 8 \, c \, Cosh[4 \, x])
                                               (\,3\;a-b+3\;c+4\;(a-c)\;Cosh\,[\,2\,x\,]\,+\,(a+b+c)\;Cosh\,[\,4\,x\,]\,\,)
                                                  2 b \sqrt{3 a - b + 3 c + 4 a Cosh[2 x] - 4 c Cosh[2 x] + a Cosh[4 x] + b Cosh[4 x] + c Cosh[4 x]}
                                                                2\ c\ \sqrt{\ 3\ a-b+3\ c+4\ a\ Cosh[\ 2\ x]\ -\ 4\ c\ Cosh[\ 2\ x]\ +\ a\ Cosh[\ 4\ x]\ +\ b\ Cosh[\ 4\ x]\ +\ c\ Cosh[\ 4\ x]\ }
                                              \sqrt{\frac{1}{a+b+c}} \left( 2b+4c+\sqrt{2} \sqrt{(2b^2-8ac+a(3a-b+3c+4aCosh[2x]-4cCosh[2x]+aCosh[4x]+bCosh[4x]+bCosh[4x]+bCosh[4x]+bCosh[4x]+bCosh[4x]+bCosh[4x]+bCosh[4x]+bCosh[4x]+bCosh[4x]+bCosh[4x]+bCosh[4x]+bCosh[4x]+bCosh[4x]+bCosh[4x]+bCosh[4x]+bCosh[4x]+bCosh[4x]+bCosh[4x]+bCosh[4x]+bCosh[4x]+bCosh[4x]+bCosh[4x]+bCosh[4x]+bCosh[4x]+bCosh[4x]+bCosh[4x]+bCosh[4x]+bCosh[4x]+bCosh[4x]+bCosh[4x]+bCosh[4x]+bCosh[4x]+bCosh[4x]+bCosh[4x]+bCosh[4x]+bCosh[4x]+bCosh[4x]+bCosh[4x]+bCosh[4x]+bCosh[4x]+bCosh[4x]+bCosh[4x]+bCosh[4x]+bCosh[4x]+bCosh[4x]+bCosh[4x]+bCosh[4x]+bCosh[4x]+bCosh[4x]+bCosh[4x]+bCosh[4x]+bCosh[4x]+bCosh[4x]+bCosh[4x]+bCosh[4x]+bCosh[4x]+bCosh[4x]+bCosh[4x]+bCosh[4x]+bCosh[4x]+bCosh[4x]+bCosh[4x]+bCosh[4x]+bCosh[4x]+bCosh[4x]+bCosh[4x]+bCosh[4x]+bCosh[4x]+bCosh[4x]+bCosh[4x]+bCosh[4x]+bCosh[4x]+bCosh[4x]+bCosh[4x]+bCosh[4x]+bCosh[4x]+bCosh[4x]+bCosh[4x]+bCosh[4x]+bCosh[4x]+bCosh[4x]+bCosh[4x]+bCosh[4x]+bCosh[4x]+bCosh[4x]+bCosh[4x]+bCosh[4x]+bCosh[4x]+bCosh[4x]+bCosh[4x]+bCosh[4x]+bCosh[4x]+bCosh[4x]+bCosh[4x]+bCosh[4x]+bCosh[4x]+bCosh[4x]+bCosh[4x]+bCosh[4x]+bCosh[4x]+bCosh[4x]+bCosh[4x]+bCosh[4x]+bCosh[4x]+bCosh[4x]+bCosh[4x]+bCosh[4x]+bCosh[4x]+bCosh[4x]+bCosh[4x]+bCosh[4x]+bCosh[4x]+bCosh[4x]+bCosh[4x]+bCosh[4x]+bCosh[4x]+bCosh[4x]+bCosh[4x]+bCosh[4x]+bCosh[4x]+bCosh[4x]+bCosh[4x]+bCosh[4x]+bCosh[4x]+bCosh[4x]+bCosh[4x]+bCosh[4x]+bCosh[4x]+bCosh[4x]+bCosh[4x]+bCosh[4x]+bCosh[4x]+bCosh[4x]+bCosh[4x]+bCosh[4x]+bCosh[4x]+bCosh[4x]+bCosh[4x]+bCosh[4x]+bCosh[4x]+bCosh[4x]+bCosh[4x]+bCosh[4x]+bCosh[4x]+bCosh[4x]+bCosh[4x]+bCosh[4x]+bCosh[4x]+bCosh[4x]+bCosh[4x]+bCosh[4x]+bCosh[4x]+bCosh[4x]+bCosh[4x]+bCosh[4x]+bCosh[4x]+bCosh[4x]+bCosh[4x]+bCosh[4x]+bCosh[4x]+bCosh[4x]+bCosh[4x]+bCosh[4x]+bCosh[4x]+bCosh[4x]+bCosh[4x]+bCosh[4x]+bCosh[4x]+bCosh[4x]+bCosh[4x]+bCosh[4x]+bCosh[4x]+bCosh[4x]+bCosh[4x]+bCosh[4x]+bCosh[4x]+bCosh[4x]+bCosh[4x]+bCosh[4x]+bCosh[4x]+bCosh[4x]+bCosh[4x]+bCosh[4x]+bCosh[4x]+bCosh[4x]+bCosh[4x]+bCosh[4x]+bCosh[4x]+bCosh[4x]+bCosh[4x]+bCosh[4x]+bCosh[4x]+bCosh[4x]+bCosh[4x]+bCosh[4x]+bCosh[4x]+b
                                                                                                                                                                       \texttt{c} \; \texttt{Cosh} \left[ \; 4 \; \mathbf{x} \; \right] \; ) \; + \; \texttt{b} \; \left( \; 3 \; \text{a} \; - \; \text{b} \; + \; 3 \; \text{c} \; + \; 4 \; \text{a} \; \texttt{Cosh} \left[ \; 2 \; \mathbf{x} \; \right] \; - \; 4 \; \text{c} \; \texttt{Cosh} \left[ \; 2 \; \mathbf{x} \; \right] \; + \; \text{a} \; \texttt{Cosh} \left[ \; 4 \; \mathbf{x} \; \right] \; + \; \text{b} \; \texttt{Cosh} \left[ \; 4 \; \mathbf{x} \; \right] \; + \; \text{c} \; \texttt{Cosh} \left[ \; 4 \; \mathbf{x} \; \right] \; + \; \text{c} \; \texttt{Cosh} \left[ \; 4 \; \mathbf{x} \; \right] \; + \; \text{c} \; \texttt{Cosh} \left[ \; 4 \; \mathbf{x} \; \right] \; + \; \text{c} \; \texttt{Cosh} \left[ \; 4 \; \mathbf{x} \; \right] \; + \; \text{c} \; \texttt{Cosh} \left[ \; 4 \; \mathbf{x} \; \right] \; + \; \text{c} \; \texttt{Cosh} \left[ \; 4 \; \mathbf{x} \; \right] \; + \; \text{c} \; \texttt{Cosh} \left[ \; 4 \; \mathbf{x} \; \right] \; + \; \text{c} \; \texttt{Cosh} \left[ \; 4 \; \mathbf{x} \; \right] \; + \; \text{c} \; \texttt{Cosh} \left[ \; 4 \; \mathbf{x} \; \right] \; + \; \text{c} \; \texttt{Cosh} \left[ \; 4 \; \mathbf{x} \; \right] \; + \; \text{c} \; \texttt{Cosh} \left[ \; 4 \; \mathbf{x} \; \right] \; + \; \text{c} \; \texttt{Cosh} \left[ \; 4 \; \mathbf{x} \; \right] \; + \; \text{c} \; \texttt{Cosh} \left[ \; 4 \; \mathbf{x} \; \right] \; + \; \text{c} \; \texttt{Cosh} \left[ \; 4 \; \mathbf{x} \; \right] \; + \; \text{c} \; \texttt{Cosh} \left[ \; 4 \; \mathbf{x} \; \right] \; + \; \text{c} \; \texttt{Cosh} \left[ \; 4 \; \mathbf{x} \; \right] \; + \; \text{c} \; \texttt{Cosh} \left[ \; 4 \; \mathbf{x} \; \right] \; + \; \text{c} \; \texttt{Cosh} \left[ \; 4 \; \mathbf{x} \; \right] \; + \; \text{c} \; \texttt{Cosh} \left[ \; 4 \; \mathbf{x} \; \right] \; + \; \text{c} \; \texttt{Cosh} \left[ \; 4 \; \mathbf{x} \; \right] \; + \; \text{c} \; \texttt{Cosh} \left[ \; 4 \; \mathbf{x} \; \right] \; + \; \text{c} \; \texttt{Cosh} \left[ \; 4 \; \mathbf{x} \; \right] \; + \; \text{c} \; \texttt{Cosh} \left[ \; 4 \; \mathbf{x} \; \right] \; + \; \text{c} \; \texttt{Cosh} \left[ \; 4 \; \mathbf{x} \; \right] \; + \; \text{c} \; \texttt{Cosh} \left[ \; 4 \; \mathbf{x} \; \right] \; + \; \text{c} \; \texttt{Cosh} \left[ \; 4 \; \mathbf{x} \; \right] \; + \; \text{c} \; \texttt{Cosh} \left[ \; 4 \; \mathbf{x} \; \right] \; + \; \text{c} \; \texttt{Cosh} \left[ \; 4 \; \mathbf{x} \; \right] \; + \; \text{c} \; \texttt{Cosh} \left[ \; 4 \; \mathbf{x} \; \right] \; + \; \text{c} \; \texttt{Cosh} \left[ \; 4 \; \mathbf{x} \; \right] \; + \; \text{c} \; \texttt{Cosh} \left[ \; 4 \; \mathbf{x} \; \right] \; + \; \text{c} \; \texttt{Cosh} \left[ \; 4 \; \mathbf{x} \; \right] \; + \; \text{c} \; \texttt{Cosh} \left[ \; 4 \; \mathbf{x} \; \right] \; + \; \text{c} \; \texttt{Cosh} \left[ \; 4 \; \mathbf{x} \; \right] \; + \; \text{c} \; \texttt{Cosh} \left[ \; 4 \; \mathbf{x} \; \right] \; + \; \text{c} \; \texttt{Cosh} \left[ \; 4 \; \mathbf{x} \; \right] \; + \; \text{c} \; \texttt{c} \; \texttt{c} \; \texttt{cosh} \left[ \; 4 \; \mathbf{x} \; \right] \; + \; \text{c} \; \texttt{c} \; \texttt{cosh} \left[ \; 4 \; \mathbf{x} \; \right] \; + \; \text{c} \; \texttt{c} \; \texttt{cosh} \left[ \; 4 \; \mathbf{x} \; \right] \; + \; \text{c} \; \texttt{cosh} \left[ \; 4 \; \mathbf{x} \; \right] \; + \; \text{c} \; \texttt{cosh} \left[ \; 4 \; \mathbf{x} \; \right] \; + \; \text{c} \; \texttt{cosh} \left[ \; 4 \; \mathbf{x} \; \right] \; + \; \text{c} \; \texttt{cosh} \left[ \; 4 \; \mathbf{x} \; \right] \; + \; \text{c} \; \texttt{cosh} \left[ \; 4 \; \mathbf{x} \;
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 \texttt{c} \; \left( \; 3 \; \texttt{a} \; - \; \texttt{b} \; + \; 3 \; \texttt{c} \; + \; 4 \; \texttt{a} \; \mathsf{Cosh}[\; 2 \; \texttt{x} \; ] \; \; - \; 4 \; \texttt{c} \; \mathsf{Cosh}[\; 2 \; \texttt{x} \; ] \; \; + \; \texttt{a} \; \mathsf{Cosh}[\; 4 \; \texttt{x} \; ] \; \; + \; \texttt{b} \; \mathsf{Cosh}[\; 4 \; \texttt{x} \; ] \; \; + \; \texttt{c} \; \mathsf{Cosh}[\; 4 \; \texttt{x} \; ] \; \; \right) \; 
                                  ArcTanh
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          1
ArcTanh
                                                                                        (b + 2c) \sqrt{3 a - b + 3 c + 4 a Cosh[2x] - 4 c Cosh[2x] + a Cosh[4x] + b Cosh[4x] + c Cosh[4x]}
                                                                                                2\sqrt{c}\sqrt{(2b^2-8ac+a(3a-b+3c+4aCosh[2x]-4cCosh[2x]+aCosh[4x]+bCosh[4x]+cCosh[4x])}
                                                                                                                                                                b (3 a - b + 3 c + 4 a Cosh[2 x] - 4 c Cosh[2 x] + a Cosh[4 x] + b Cosh[4 x] + c Cosh[4 x]) +
                                                                                                                                                              c(3a-b+3c+4aCosh[2x]-4cCosh[2x]+aCosh[4x]+bCosh[4x]+cCosh[4x])))
                                                    \frac{1}{\sqrt{a+b+c}} 2 \log \left[ 2 \left( a \sqrt{3 a-b+3 c+4 a \cosh [2 x]-4 c \cosh [2 x]+a \cosh [4 x]+b \cosh [4 x]+c \cosh [4 x]} \right. \right. + \\ \left. + \frac{1}{\sqrt{a+b+c}} \left( a \sqrt{3 a-b+3 c+4 a \cosh [2 x]-4 c \cosh [2 x]+a \cosh [4 x]+b \cosh [4 x]} \right) \right] + \\ \left. + \frac{1}{\sqrt{a+b+c}} \left( a \sqrt{3 a-b+3 c+4 a \cosh [2 x]-4 c \cosh [2 x]+a \cosh [4 x]+b \cosh [4 x]+b \cosh [4 x]+c \cosh [
                                                                                                                                  b\sqrt{3}a-b+3c+4a + cosh[2x]-4c + cosh[2x]+a + cosh[4x]+b + cosh[4x]+c 
                                                                                                                                                    \sqrt{3} a - b + 3 c + 4 a Cosh[2 x] - 4 c Cosh[2 x] + a Cosh[4 x] + b Cosh[4 x] + c Cosh[4 x] + \sqrt{a + b + c}
                                                                                                                                                  \sqrt{(2b^2 - 8ac + a(3a - b + 3c + 4aCosh[2x] - 4cCosh[2x] + aCosh[4x] + bCosh[4x] + cCosh[4x])} + cCosh[4x] + cCos
                                                                                                                                                                                            b \; (3 \; a \; - \; b \; + \; 3 \; c \; + \; 4 \; a \; Cosh[\; 2 \; x] \; - \; 4 \; c \; Cosh[\; 2 \; x] \; + \; a \; Cosh[\; 4 \; x] \; + \; b \; Cosh[\; 4 \; x] \; + \; c \; Cosh[\; 4 \; x] \; ) \; + \; c \; cosh[\; 4 \; x] \; ) \; + \; c \; cosh[\; 4 \; x] \; ) \; + \; c \; cosh[\; 4 \; x] \; ) \; + \; c \; cosh[\; 4 \; x] \; ) \; + \; c \; cosh[\; 4 \; x] \; ) \; + \; c \; cosh[\; 4 \; x] \; ) \; + \; c \; cosh[\; 4 \; x] \; ) \; + \; c \; cosh[\; 4 \; x] \; ) \; + \; c \; cosh[\; 4 \; x] \; ) \; + \; c \; cosh[\; 4 \; x] \; ) \; + \; c \; cosh[\; 4 \; x] \; ) \; + \; c \; cosh[\; 4 \; x] \; ) \; + \; c \; cosh[\; 4 \; x] \; ) \; + \; c \; cosh[\; 4 \; x] \; ) \; + \; c \; cosh[\; 4 \; x] \; ) \; + \; c \; cosh[\; 4 \; x] \; ) \; + \; c \; cosh[\; 4 \; x] \; ) \; + \; c \; cosh[\; 4 \; x] \; ) \; + \; c \; cosh[\; 4 \; x] \; ) \; + \; c \; cosh[\; 4 \; x] \; ) \; + \; c \; cosh[\; 4 \; x] \; ) \; + \; c \; cosh[\; 4 \; x] \; ) \; + \; c \; cosh[\; 4 \; x] \; ) \; + \; c \; cosh[\; 4 \; x] \; ) \; + \; c \; cosh[\; 4 \; x] \; ) \; + \; c \; cosh[\; 4 \; x] \; ) \; + \; c \; cosh[\; 4 \; x] \; ) \; + \; c \; cosh[\; 4 \; x] \; ) \; + \; c \; cosh[\; 4 \; x] \; ) \; + \; c \; cosh[\; 4 \; x] \; ) \; + \; c \; cosh[\; 4 \; x] \; ) \; + \; c \; cosh[\; 4 \; x] \; ) \; + \; c \; cosh[\; 4 \; x] \; ) \; + \; c \; cosh[\; 4 \; x] \; ) \; + \; c \; cosh[\; 4 \; x] \; ) \; + \; c \; cosh[\; 4 \; x] \; ) \; + \; c \; cosh[\; 4 \; x] \; ) \; + \; c \; cosh[\; 4 \; x] \; ) \; + \; c \; cosh[\; 4 \; x] \; ) \; + \; c \; cosh[\; 4 \; x] \; ) \; + \; c \; cosh[\; 4 \; x] \; ) \; + \; c \; cosh[\; 4 \; x] \; ) \; + \; c \; cosh[\; 4 \; x] \; ) \; + \; c \; cosh[\; 4 \; x] \; ) \; + \; c \; cosh[\; 4 \; x] \; ) \; + \; c \; cosh[\; 4 \; x] \; ) \; + \; c \; cosh[\; 4 \; x] \; ) \; + \; c \; cosh[\; 4 \; x] \; ) \; + \; c \; cosh[\; 4 \; x] \; ) \; + \; c \; cosh[\; 4 \; x] \; ) \; + \; c \; cosh[\; 4 \; x] \; ) \; + \; c \; cosh[\; 4 \; x] \; ) \; + \; c \; cosh[\; 4 \; x] \; ) \; + \; c \; cosh[\; 4 \; x] \; ) \; + \; c \; cosh[\; 4 \; x] \; ) \; + \; c \; cosh[\; 4 \; x] \; ) \; + \; c \; cosh[\; 4 \; x] \; ) \; + \; c \; cosh[\; 4 \; x] \; ) \; + \; c \; cosh[\; 4 \; x] \; ) \; + \; c \; cosh[\; 4 \; x] \; ) \; + \; c \; cosh[\; 4 \; x] \; ) \; + \; c \; cosh[\; 4 \; x] \; ) \; + \; c \; cosh[\; 4 \; x] \; + \; c \; cosh[\; 4 \; x] \; ) \; + \; c \; cosh[\; 4 \; x] \; + \; c \; cosh[\; 4 \; x] \; ) \; + \; c \; cosh[\; 4 \; x] \; + \; c \; cosh[\;
                                                                                                                                                                                             c (3 \text{ a} - \text{b} + 3 \text{ c} + 4 \text{ a} \text{Cosh}[2 \text{ x}] - 4 \text{ c} \text{Cosh}[2 \text{ x}] + \text{a} \text{Cosh}[4 \text{ x}] + \text{b} \text{Cosh}[4 \text{ x}] + \text{c} \text{Cosh}[4 \text{ x}])) | Sech[x]<sup>2</sup>
                                                                                                                                                                                                                                           b \operatorname{Sech}[x]^2 \operatorname{Sinh}[2x]
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         c Sech[x]^2 Sinh[2x]
                                    \sqrt{3 a - b + 3 c + 4 (a - c) \cosh[2 x] + (a + b + c) \cosh[4 x]}
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              \sqrt{3 a - b + 3 c + 4 (a - c) Cosh[2 x] + (a + b + c) Cosh[4 x]}
                                                                                                                                                                                                   c Cosh[2x] Sech[x]^2 Sinh[2x]
                                                      \sqrt{3 a - b + 3 c + 4 (a - c) \cosh[2 x] + (a + b + c) \cosh[4 x]}
32 \; (b-c+c \; Cosh[2 \; x] \; ) \; \sqrt{3 \; a-b+3 \; c+4 \; a \; Cosh[2 \; x] \; -4 \; c \; Cosh[2 \; x] \; +a \; Cosh[4 \; x] \; +b \; Cosh[4 \; x] \; +c \; Cosh[4 \;
                    \sqrt{(2b^2 - 8ac + a(3a - b + 3c + 4aCosh[2x] - 4cCosh[2x] + aCosh[4x] + bCosh[4x] + cCosh[4x])}
                                                           b \; (3\; a - b + 3\; c + 4\; a\; Cosh[\; 2\; x] \; - \; 4\; c\; Cosh[\; 2\; x] \; + \; a\; Cosh[\; 4\; x] \; + \; b\; Cosh[\; 4\; x] \; + \; c\; Cosh[\; 4\; x] \; ) \; + \; c\; Cosh[\; 4\; x] \; ) \; + \; c\; Cosh[\; 4\; x] \; ) \; + \; c\; Cosh[\; 4\; x] \; ) \; + \; c\; Cosh[\; 4\; x] \; ) \; + \; c\; Cosh[\; 4\; x] \; ) \; + \; c\; Cosh[\; 4\; x] \; ) \; + \; c\; Cosh[\; 4\; x] \; ) \; + \; c\; Cosh[\; 4\; x] \; ) \; + \; c\; Cosh[\; 4\; x] \; ) \; + \; c\; Cosh[\; 4\; x] \; ) \; + \; c\; Cosh[\; 4\; x] \; ) \; + \; c\; Cosh[\; 4\; x] \; ) \; + \; c\; Cosh[\; 4\; x] \; ) \; + \; c\; Cosh[\; 4\; x] \; ) \; + \; c\; Cosh[\; 4\; x] \; ) \; + \; c\; Cosh[\; 4\; x] \; ) \; + \; c\; Cosh[\; 4\; x] \; ) \; + \; c\; Cosh[\; 4\; x] \; ) \; + \; c\; Cosh[\; 4\; x] \; ) \; + \; c\; Cosh[\; 4\; x] \; ) \; + \; c\; Cosh[\; 4\; x] \; ) \; + \; c\; Cosh[\; 4\; x] \; ) \; + \; c\; Cosh[\; 4\; x] \; ) \; + \; c\; Cosh[\; 4\; x] \; ) \; + \; c\; Cosh[\; 4\; x] \; ) \; + \; c\; Cosh[\; 4\; x] \; ) \; + \; c\; Cosh[\; 4\; x] \; ) \; + \; c\; Cosh[\; 4\; x] \; ) \; + \; c\; Cosh[\; 4\; x] \; ) \; + \; c\; Cosh[\; 4\; x] \; ) \; + \; c\; Cosh[\; 4\; x] \; ) \; + \; c\; Cosh[\; 4\; x] \; ) \; + \; c\; Cosh[\; 4\; x] \; ) \; + \; c\; Cosh[\; 4\; x] \; ) \; + \; c\; Cosh[\; 4\; x] \; ) \; + \; c\; Cosh[\; 4\; x] \; ) \; + \; c\; Cosh[\; 4\; x] \; ) \; + \; c\; Cosh[\; 4\; x] \; ) \; + \; c\; Cosh[\; 4\; x] \; ) \; + \; c\; Cosh[\; 4\; x] \; ) \; + \; c\; Cosh[\; 4\; x] \; ) \; + \; c\; Cosh[\; 4\; x] \; ) \; + \; c\; Cosh[\; 4\; x] \; ) \; + \; c\; Cosh[\; 4\; x] \; ) \; + \; c\; Cosh[\; 4\; x] \; ) \; + \; c\; Cosh[\; 4\; x] \; ) \; + \; c\; Cosh[\; 4\; x] \; ) \; + \; c\; Cosh[\; 4\; x] \; ) \; + \; c\; Cosh[\; 4\; x] \; ) \; + \; c\; Cosh[\; 4\; x] \; ) \; + \; c\; Cosh[\; 4\; x] \; ) \; + \; c\; Cosh[\; 4\; x] \; ) \; + \; c\; Cosh[\; 4\; x] \; ) \; + \; c\; Cosh[\; 4\; x] \; + \; c\; Cosh[\; 4\; x] \; ) \; + \; c\; Cosh[\; 4\; x] \; + \; c\; Cosh[\; 4\;
                                                            c(3a-b+3c+4aCosh[2x]-4cCosh[2x]+aCosh[4x]+bCosh[4x]+cCosh[4x])
                                                                                                                                  - \left[ -4 \, a - 2 \, b + \sqrt{2} \, \sqrt{\left( 2 \, b^2 - 8 \, a \, c + a \, \left( 3 \, a - b + 3 \, c + 4 \, a \, \text{Cosh}[2 \, x] - 4 \, c \, \text{Cosh}[2 \, x] + a \, \text{Cosh}[4 \, x] + b \, \text{Cosh}[4 \, x] + 
                                                                                                                                                                                             \verb|ccosh[4x]| + b (3a - b + 3c + 4a Cosh[2x] - 4c Cosh[2x] + a Cosh[4x] + b Cosh[4x] + c Cosh[4x]) + c Cosh[4x] + c Cosh[
                                                                                                                                                c (3 a - b + 3 c + 4 a Cosh[2 x] - 4 c Cosh[2 x] + a Cosh[4 x] + b Cosh[4 x] + c Cosh[4 x]))
                          \left[-2 \text{ a} + 2 \text{ c} + \sqrt{2} \sqrt{2 b^2 - 8 \text{ a} \text{ c} + \text{ a} (3 \text{ a} - b + 3 \text{ c} + 4 \text{ a} \text{ Cosh}[2 \text{ x}] - 4 \text{ c} \text{ Cosh}[2 \text{ x}] + \text{a} \text{ Cosh}[4 \text{ x}] + \text{b} \text{ Cosh}[4 \text{ x}] + \text{c} \text{c} \text{ Cosh}[4 \text{ x}] + \text{c} \text{cosh}[4 \text{ x}] +
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 \texttt{b} \; (\texttt{3} \; \texttt{a} \; - \; \texttt{b} \; + \; \texttt{3} \; \texttt{c} \; + \; \texttt{4} \; \texttt{a} \; \texttt{Cosh} [\; 2 \; \texttt{x}] \; - \; \texttt{4} \; \texttt{c} \; \texttt{Cosh} [\; 2 \; \texttt{x}] \; + \; \texttt{a} \; \texttt{Cosh} [\; 4 \; \texttt{x}] \; + \; \texttt{b} \; \texttt{Cosh} [\; 4 \; \texttt{x}] \; + \; \texttt{c} \; \texttt{Cosh} [\; 4 \; \texttt{x}] \; ) \; + \; \texttt{c} \; \texttt{cosh} [\; 4 \; \texttt{x}] \; ) \; + \; \texttt{cosh} [\; 4 \; \texttt{x}] \; ) \; + \; \texttt{cosh} [\; 4 \; \texttt{x}] \; ) \; + \; \texttt{cosh} [\; 4 \; \texttt{x}] \; ) \; + \; \texttt{cosh} [\; 4 \; \texttt{x}] \; ) \; + \; \texttt{cosh} [\; 4 \; \texttt{x}] \; ) \; + \; \texttt{cosh} [\; 4 \; \texttt{x}] \; ) \; + \; \texttt{cosh} [\; 4 \; \texttt{x}] \; ) \; + \; \texttt{cosh} [\; 4 \; \texttt{x}] \; ) \; + \; \texttt{cosh} [\; 4 \; \texttt{x}] \; ) \; + \; \texttt{cosh} [\; 4 \; \texttt{x}] \; ) \; + \; \texttt{cosh} [\; 4 \; \texttt{x}] \; ) \; + \; \texttt{cosh} [\; 4 \; \texttt{x}] \; ) \; + \; \texttt{cosh} [\; 4 \; \texttt{x}] \; ) \; + \; \texttt{cosh} [\; 4 \; \texttt{x}] \; ) \; + \; \texttt{cosh} [\; 4 \; \texttt{x}] \; ) \; + \; \texttt{cosh} [\; 4 \; \texttt{x}] \; ) \; + \; \texttt{cosh} [\; 4 \; \texttt{x}] \; ) \; + \; \texttt{cosh} [\; 4 \; \texttt{x}] \; ) \; + \; \texttt{cosh} [\; 4 \; \texttt{x}] \; ) \; + \; \texttt{cosh} [\; 4 \; \texttt{x}] \; ) \; + \; \texttt{cosh} [\; 4 \; \texttt{x}] \; ) \; + \; \texttt{cosh} [\; 4 \; \texttt{x}] \; ) \; + \; \texttt{cosh} [\; 4 \; \texttt{x}] \; ) \; + \; \texttt{cosh} [\; 4 \; \texttt{x}] \; ) \; + \; \texttt{cosh} [\; 4 \; \texttt{x}] \; ) \; + \; \texttt{cosh} [\; 4 \; \texttt{x}] \; ) \; + \; \texttt{cosh} [\; 4 \; \texttt{x}] \; ) \; + \; \texttt{cosh} [\; 4 \; \texttt{x}] \; ) \; + \; \texttt{cosh} [\; 4 \; \texttt{x}] \; ) \; + \; \texttt{cosh} [\; 4 \; \texttt{x}] \; ) \; + \; \texttt{cosh} [\; 4 \; \texttt{x}] \; ) \; + \; \texttt{cosh} [\; 4 \; \texttt{x}] \; ) \; + \; \texttt{cosh} [\; 4 \; \texttt{x}] \; ) \; + \; \texttt{cosh} [\; 4 \; \texttt{x}] \; ) \; + \; \texttt{cosh} [\; 4 \; \texttt{x}] \; ) \; + \; \texttt{cosh} [\; 4 \; \texttt{x}] \; ) \; + \; \texttt{cosh} [\; 4 \; \texttt{x}] \; ) \; + \; \texttt{cosh} [\; 4 \; \texttt{x}] \; ) \; + \; \texttt{cosh} [\; 4 \; \texttt{x}] \; ) \; + \; \texttt{cosh} [\; 4 \; \texttt{x}] \; ) \; + \; \texttt{cosh} [\; 4 \; \texttt{x}] \; ) \; + \; \texttt{cosh} [\; 4 \; \texttt{x}] \; ) \; + \; \texttt{cosh} [\; 4 \; \texttt{x}] \; ) \; + \; \texttt{cosh} [\; 4 \; \texttt{x}] \; ) \; + \; \texttt{cosh} [\; 4 \; \texttt{x}] \; ) \; + \; \texttt{cosh} [\; 4 \; \texttt{x}] \; ) \; + \; \texttt{cosh} [\; 4 \; \texttt{x}] \; ) \; + \; \texttt{cosh} [\; 4 \; \texttt{x}] \; ) \; + \; \texttt{cosh} [\; 4 \; \texttt{x}] \; ) \; + \; \texttt{cosh} [\; 4 \; \texttt{x}] \; ) \; + \; \texttt{cosh} [\; 4 \; \texttt{x}] \; ) \; + \; \texttt{cosh} [\; 4 \; \texttt{x}] \; ) \; + \; \texttt{cosh} [\; 4 \; \texttt{x}] \; ) \; + \; \texttt{cosh} [\; 4 \; \texttt{x}] \; ) \; + \; \texttt{cosh} [\; 4 \; \texttt{x}] \; ) \; + \; \texttt{cosh} [\; 4 \; \texttt{x}] \; ) \; + \; \texttt{cosh} [\; 4 \; \texttt{x}] \; ) \;
                                                                          c(3a-b+3c+4aCosh[2x]-4cCosh[2x]+aCosh[4x]+bCosh[4x]+cCosh[4x]))
                    \sqrt{\left[-1 + \frac{1}{2(a+b+c)} \left(-2a+2c+\sqrt{2}\sqrt{(2b^2-8ac+a(3a-b+3c+4aCosh[2x]-4cCosh[2x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCo
                                                                                                                                          b Cosh[4x] + c Cosh[4x]) + b (3 a - b + 3 c + 4 a Cosh[2x] - 4 c Cosh[2x] + a Cosh[4x] + b Cosh[4x] +
                                                                                                                                       c \, Cosh[4 \, x]) + c \, (3 \, a - b + 3 \, c + 4 \, a \, Cosh[2 \, x] - 4 \, c \, Cosh[2 \, x] + a \, Cosh[4 \, x] + b \, Cosh[4 \, x] + c \, Cosh[4 \, x]))
                     \sqrt{\left[1 + \frac{1}{2(a+b+c)} \left(-2a+2c+\sqrt{2}\sqrt{2b^2-8ac+a(3a-b+3c+4aCosh[2x]-4cCosh[2x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh
                                                                                                                                          b Cosh[4x] + c Cosh[4x]) + b (3a - b + 3c + 4a Cosh[2x] - 4c Cosh[2x] + a Cosh[4x] + b Cosh[4x] +
                                                                                                                                        c Cosh[4x]) + c (3a - b + 3c + 4a Cosh[2x] - 4c Cosh[2x] + a Cosh[4x] + b Cosh[4x] + c Cosh[4x]))
                      \sqrt{(3 a - b + 3 c + 4 (a - c) Cosh[2 x] + (a + b + c) Cosh[4 x]) Sech[x]^{4}} - \left[ (b - c) (1 + Cosh[2 x]) \right]
                                        3 a - b + 3 c + (4 a - 4 c) Cosh[2x] + (a + b + c) Cosh[4x]
                                                                                                                                                           (1 + Cosh[2x])^2
                        (3 a - b + 3 c + 4 (a - c) Cosh[2x] + (a + b + c) Cosh[4x])
                      Log[b+2cTanh[x]^2+2\sqrt{c}\sqrt{a+bTanh[x]^2+cTanh[x]^4}]
                      Sech[x]^2
                                                                                                                                                        b \operatorname{Sech}[x]^2 \operatorname{Sinh}[2x]
                                \sqrt{3 a - b + 3 c + 4 (a - c) Cosh[2x] + (a + b + c) Cosh[4x]}
                                                                                                                                                                   c Sech[x]^2 Sinh[2x]
                                           \sqrt{3 a - b + 3 c + 4 (a - c) Cosh[2x] + (a + b + c) Cosh[4x]}
                                                                                                                                  c Cosh[2x] Sech[x]^2 Sinh[2x]
                                           \sqrt{3 a - b + 3 c + 4 (a - c) Cosh[2x] + (a + b + c) Cosh[4x]}
      \left[ 8\,\sqrt{2}\,\,\sqrt{c}\,\,\left( b\,-\,c\,+\,c\,Cosh\,[\,2\,x\,]\,\right)\,\,\sqrt{\,3\,a\,-\,b\,+\,3\,c\,+\,(\,4\,a\,-\,4\,c\,)\,\,Cosh\,[\,2\,x\,]}\,\,+\,\,(a\,+\,b\,+\,c\,)\,\,Cosh\,[\,4\,x\,] \right] + \left[ (a\,+\,b\,+\,c\,)\,\,Cosh\,[\,4\,x\,] \right] + \left[ (a\,+\,b\,+\,c\,)\,\,Cosh\,[
                     \sqrt{\;(\,3\;a\,-\,b\,+\,3\;c\,+\,4\;\;(a\,-\,c\,)\;\;Cosh[\,2\;x\,]\;+\;(a\,+\,b\,+\,c\,)\;\;Cosh[\,4\;x\,]\,\,)\;\;Sech[\,x\,]^{\,4}\;\;}\;\;-\,
 \left( \begin{array}{c} (b-c) \ \sqrt{c} \ (1+Cosh[2\,x]) \end{array} \right) \sqrt{ \begin{array}{c} 3\,a-b+3\,c+(4\,a-4\,c) \ Cosh[2\,x]+(a+b+c) \ Cosh[4\,x] \\ \hline \\ (1+Cosh[2\,x])^2 \end{array} } 
                      (3 a - b + 3 c + 4 (a - c) Cosh[2x] + (a + b + c) Cosh[4x])
                     Log[b+2cTanh[x]^2+2\sqrt{c}\sqrt{a+bTanh[x]^2+cTanh[x]^4}]
                      Sech[x] Sinh[2x]
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b \operatorname{Sech}[x]^2 \operatorname{Sinh}[2x]
                     \sqrt{3 a - b + 3 c + 4 (a - c) \cosh[2x] + (a + b + c) \cosh[4x]}
                                                                                                                      c Sech[x]^2 Sinh[2x]
                            \sqrt{3 a} - b + 3 c + 4 (a - c) Cosh[2x] + (a + b + c) Cosh[4x]
                                                                            c Cosh[2x] Sech[x]^2 Sinh[2x]
                            \sqrt{3 a - b + 3 c + 4 (a - c) Cosh[2x] + (a + b + c) Cosh[4x]}
 \left(4\,\sqrt{2}\,\left(b-c+c\,Cosh\,[\,2\,x\,]\,\right)^{\,2}\,\sqrt{\,3\,a-b+\,3\,c+\,(4\,a-4\,c)\,\,Cosh\,[\,2\,x\,]\,+\,(a+b+c)\,\,Cosh\,[\,4\,x\,]\,}\right)
             \sqrt{\;(\,3\;a\,-\,b\,+\,3\;c\,+\,4\;\;(a\,-\,c\,)\;\;Cosh\,[\,2\;x\,]\;+\;(a\,+}\,b\,+\,c\,)\;\;Cosh\,[\,4\;x\,]\,\,)\;\;Sech\,[\,x\,]^{\,4}\;\;\;\Big|\;\;+\,(\,a\,+\,b\,+\,c\,)}
                                                \frac{3 \text{ a - b + 3 c + (4 a - 4 c) } \text{ Cosh [2 x] + (a + b + c) } \text{ Cosh [4 x]}}{\left(1 + \text{Cosh [2 x]}\right)^{2}}
              (3 a - b + 3 c + 4 (a - c) Cosh[2x] + (a + b + c) Cosh[4x]) Csch[x]
             Log[b+2cTanh[x]^2+2\sqrt{c}\sqrt{a+bTanh[x]^2+cTanh[x]^4}]
              Sech[x] Sinh[2x]
                                                                                                                 b \operatorname{Sech}[x]^2 \operatorname{Sinh}[2x]
                   \frac{b\,\text{Sech}[\,x\,]^{\,2}\,\text{Sinh}[\,2\,\,x]}{\sqrt{3\,\,a-b+3\,\,c+4\,\,(a-c)\,\,\text{Cosh}[\,2\,\,x]\,\,+\,\,(a+b+c)\,\,\text{Cosh}[\,4\,\,x]}} \,\,-\,\,\frac{c\,\,\text{Sech}[\,x\,]^{\,2}\,\,\text{Sinh}[\,2\,\,x]}{\sqrt{3\,\,a-b+3\,\,c+4\,\,(a-c)\,\,\text{Cosh}[\,2\,\,x]\,\,+\,\,(a+b+c)\,\,\text{Cosh}[\,4\,\,x]}}
                                                                                      c Cosh[2x] Sech[x]^2 Sinh[2x]
                            \sqrt{3 a - b + 3 c + 4 (a - c) \cosh[2 x] + (a + b + c) \cosh[4 x]}
  \left(4\,\sqrt{2}\,\,\sqrt{c}\,\,\left(b-c+c\,Cosh[\,2\,x\,]\,\right)\,\sqrt{3\,a-b+3\,c+(4\,a-4\,c)\,\,Cosh[\,2\,x\,]\,+\,(a+b+c)\,\,Cosh[\,4\,x\,]}\right)
             \sqrt{\;(3\;a\;-\;b\;+\;3\;c\;+\;4\;\;(a\;-\;c)\;\;Cosh[\,2\;x]\;+\;(a\;+\;b\;+\;c)\;\;Cosh[\,4\;x]\;)\;\;Sech[\,x]^{\;4}\;\;}\;\;-\;
{\tt c^2\,Cosh[2\,x]}\ ({\tt 3\,a-b+3\,c+4\,(a-c)\,\,Cosh[2\,x]\,+\,(a+b+c)\,\,Cosh[4\,x]\,)}
               \left( 2 \text{ a} \sqrt{3 \text{ a} - \text{b} + 3 \text{ c} + 4 \text{ a} \text{ Cosh}[2 \text{ x}] - 4 \text{ c} \text{ Cosh}[2 \text{ x}] + \text{a} \text{ Cosh}[4 \text{ x}] + \text{b} \text{ Cosh}[4 \text{ x}] + \text{c} \text{ Cosh}[4 \text{ x}]
                          2 b \sqrt{3} a - b + 3 c + 4 a Cosh[2 x] - 4 c Cosh[2 x] + a Cosh[4 x] + b Cosh[4 x] + c Cosh[4 x] + c Cosh[4 x]
                          2 c \sqrt{3 a - b + 3 c + 4 a Cosh[2 x] - 4 c Cosh[2 x] + a Cosh[4 x] + b Cosh[4 x] + c Cosh[4 x]}
             \sqrt{\left[\frac{1}{2+b+a}\left(2\,b+4\,c+\sqrt{2}\,\sqrt{\left(2\,b^2-8\,a\,c+a\,\left(3\,a-b+3\,c+4\,a\,Cosh[2\,x]-4\,c\,Cosh[2\,x]+a\,Cosh[4\,x]+b\,Cosh[4\,x]\right)\right.\right]}
                                                                                             \texttt{c} \; \texttt{Cosh} [\, 4 \; \mathbf{x} \,] \;) \; + \; \texttt{b} \; (\, 3 \; \texttt{a} \; - \; \texttt{b} \; + \; 3 \; \texttt{c} \; + \; 4 \; \texttt{a} \; \texttt{Cosh} [\, 2 \; \mathbf{x} \,] \; - \; 4 \; \texttt{c} \; \texttt{Cosh} [\, 2 \; \mathbf{x} \,] \; + \; \texttt{a} \; \texttt{Cosh} [\, 4 \; \mathbf{x} \,] \; + \; \texttt{b} \; \texttt{Cosh} [\, 4 \; \mathbf{x} \,] \; + \; \texttt{c} \; \texttt{Cosh} [\, 4 \; \mathbf{x} \,] \;) \; + \; \texttt{c} \; \texttt{cosh} [\, 4 \; \mathbf{x} \,] \; + \; \texttt{c} \; \texttt{cosh} [\, 4 \; \mathbf{x} \,] \; + \; \texttt{c} \; \texttt{cosh} [\, 4 \; \mathbf{x} \,] \; + \; \texttt{c} \; \texttt{cosh} [\, 4 \; \mathbf{x} \,] \; + \; \texttt{c} \; \texttt{cosh} [\, 4 \; \mathbf{x} \,] \; + \; \texttt{c} \; \texttt{cosh} [\, 4 \; \mathbf{x} \,] \; + \; \texttt{c} \; \texttt{cosh} [\, 4 \; \mathbf{x} \,] \; + \; \texttt{c} \; \texttt{cosh} [\, 4 \; \mathbf{x} \,] \; + \; \texttt{c} \; \texttt{cosh} [\, 4 \; \mathbf{x} \,] \; + \; \texttt{c} \; \texttt{cosh} [\, 4 \; \mathbf{x} \,] \; + \; \texttt{c} \; \texttt{cosh} [\, 4 \; \mathbf{x} \,] \; + \; \texttt{c} \; \texttt{cosh} [\, 4 \; \mathbf{x} \,] \; + \; \texttt{c} \; \texttt{cosh} [\, 4 \; \mathbf{x} \,] \; + \; \texttt{c} \; \texttt{cosh} [\, 4 \; \mathbf{x} \,] \; + \; \texttt{c} \; \texttt{cosh} [\, 4 \; \mathbf{x} \,] \; + \; \texttt{c} \; \texttt{cosh} [\, 4 \; \mathbf{x} \,] \; + \; \texttt{c} \; \texttt{cosh} [\, 4 \; \mathbf{x} \,] \; + \; \texttt{c} \; \texttt{cosh} [\, 4 \; \mathbf{x} \,] \; + \; \texttt{c} \; \texttt{cosh} [\, 4 \; \mathbf{x} \,] \; + \; \texttt{c} \; \texttt{cosh} [\, 4 \; \mathbf{x} \,] \; + \; \texttt{c} \; \texttt{cosh} [\, 4 \; \mathbf{x} \,] \; + \; \texttt{c} \; \texttt{cosh} [\, 4 \; \mathbf{x} \,] \; + \; \texttt{c} \; \texttt{cosh} [\, 4 \; \mathbf{x} \,] \; + \; \texttt{c} \; \texttt{cosh} [\, 4 \; \mathbf{x} \,] \; + \; \texttt{c} \; \texttt{cosh} [\, 4 \; \mathbf{x} \,] \; + \; \texttt{c} \; \texttt{cosh} [\, 4 \; \mathbf{x} \,] \; + \; \texttt{c} \; \texttt{cosh} [\, 4 \; \mathbf{x} \,] \; + \; \texttt{c} \; \texttt{cosh} [\, 4 \; \mathbf{x} \,] \; + \; \texttt{c} \; \texttt{cosh} [\, 4 \; \mathbf{x} \,] \; + \; \texttt{c} \; \texttt{cosh} [\, 4 \; \mathbf{x} \,] \; + \; \texttt{c} \; \texttt{cosh} [\, 4 \; \mathbf{x} \,] \; + \; \texttt{c} \; \texttt{cosh} [\, 4 \; \mathbf{x} \,] \; + \; \texttt{c} \; \texttt{cosh} [\, 4 \; \mathbf{x} \,] \; + \; \texttt{c} \; \texttt{cosh} [\, 4 \; \mathbf{x} \,] \; + \; \texttt{c} \; \texttt{cosh} [\, 4 \; \mathbf{x} \,] \; + \; \texttt{c} \; \texttt{cosh} [\, 4 \; \mathbf{x} \,] \; + \; \texttt{c} \; \texttt{cosh} [\, 4 \; \mathbf{x} \,] \; + \; \texttt{c} \; \texttt{cosh} [\, 4 \; \mathbf{x} \,] \; + \; \texttt{c} \; \texttt{cosh} [\, 4 \; \mathbf{x} \,] \; + \; \texttt{c} \; \texttt{cosh} [\, 4 \; \mathbf{x} \,] \; + \; \texttt{c} \; \texttt{cosh} [\, 4 \; \mathbf{x} \,] \; + \; \texttt{c} \; \texttt{cosh} [\, 4 \; \mathbf{x} \,] \; + \; \texttt{c} \; \texttt{cosh} [\, 4 \; \mathbf{x} \,] \; + \; \texttt{c} \; \texttt{cosh} [\, 4 \; \mathbf{x} \,] \; + \; \texttt{c} \; \texttt{cosh} [\, 4 \; \mathbf{x} \,] \; + \; \texttt{c} \; \texttt{cosh} [\, 4 \; \mathbf{x} \,] \; + \; \texttt{c} \; \texttt{cosh} [\, 4 \; \mathbf{x} \,] \; + \; \texttt{c} \; \texttt{cosh} [\, 4 \; \mathbf{x} \,] \; + \; \texttt{c} \; \texttt{cosh} [\, 4 \; \mathbf{x} \,] \; + \;
                                                                         c (3 a - b + 3 c + 4 a Cosh[2 x] - 4 c Cosh[2 x] + a Cosh[4 x] + b Cosh[4 x] + c Cosh[4 x]))
```

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A \texttt{rcTanh} \Big[ \, \frac{\sqrt{\,\text{3 a-b+3 c+4 a Cosh}[\,2\,x\,] - 4\,\text{c Cosh}[\,2\,x\,] + a\,\text{Cosh}[\,4\,x\,] + b\,\text{Cosh}[\,4\,x\,] + c\,\text{Cosh}[\,4\,x\,] + c\,\text{Cosh}[\,4\,
                                                                                                       (b+2c)\sqrt{3}a-b+3c+4a Cosh[2x]-4c Cosh[2x]+a Cosh[4x]+b Cosh[4x]+c Cosh[4x]
                                                                                                                \left(2\,\sqrt{c}\,\,\sqrt{\left(2\,b^2-8\,a\,c+a\,\left(3\,a-b+3\,c+4\,a\,Cosh[2\,x]-4\,c\,Cosh[2\,x]+a\,Cosh[4\,x]+b\,Cosh[4\,x]\right)}\right.\right.\\ +\left.\left(2\,\sqrt{c}\,\,\sqrt{\left(2\,b^2-8\,a\,c+a\,\left(3\,a-b+3\,c+4\,a\,Cosh[2\,x]-4\,c\,Cosh[2\,x]\right)\right)}\right.\\ +\left.\left(2\,\sqrt{c}\,\,\sqrt{\left(2\,b^2-8\,a\,c+a\,\left(3\,a-b+3\,c+4\,a\,Cosh[2\,x]-4\,c\,Cosh[2\,x]\right)\right)}\right.\\ +\left.\left(2\,\sqrt{c}\,\,\sqrt{\left(2\,b^2-8\,a\,c+a\,\left(3\,a-b+3\,c+4\,a\,Cosh[2\,x]-4\,c\,Cosh[2\,x]\right)\right)}\right.\\ +\left.\left(2\,\sqrt{c}\,\,\sqrt{\left(2\,b^2-8\,a\,c+a\,\left(3\,a-b+3\,c+4\,a\,Cosh[2\,x]-4\,c\,Cosh[2\,x]\right)\right)}\right.\\ +\left.\left(2\,\sqrt{c}\,\,\sqrt{\left(2\,b^2-8\,a\,c+a\,\left(3\,a-b+3\,c+4\,a\,Cosh[2\,x]-4\,c\,Cosh[2\,x]\right)\right)}\right.\\ +\left.\left(2\,\sqrt{c}\,\,\sqrt{\left(2\,b^2-8\,a\,c+a\,\left(3\,a-b+3\,c+4\,a\,Cosh[2\,x]-4\,c\,Cosh[2\,x]\right)\right)}\right.\\ +\left.\left(2\,\sqrt{c}\,\,\sqrt{\left(2\,b^2-8\,a\,c+a\,\left(3\,a-b+3\,c+4\,a\,Cosh[2\,x]-4\,c\,Cosh[2\,x]\right)\right)}\right.\\ +\left.\left(2\,\sqrt{c}\,\,\sqrt{c}\,\,\sqrt{\left(2\,b^2-8\,a\,c+a\,\left(3\,a-b+3\,c+4\,a\,Cosh[2\,x]-4\,c\,Cosh[2\,x]\right)\right)}\right.\\ +\left.\left(2\,\sqrt{c}\,\,\sqrt{c}\,\,\sqrt{c}\,\,\sqrt{c}\,\,\sqrt{c}\,\,\sqrt{c}\,\,\sqrt{c}\,\,\sqrt{c}\,\,\sqrt{c}\,\,\sqrt{c}\,\,\sqrt{c}\,\,\sqrt{c}\,\,\sqrt{c}\,\,\sqrt{c}\,\,\sqrt{c}\,\,\sqrt{c}\,\,\sqrt{c}\,\,\sqrt{c}\,\,\sqrt{c}\,\,\sqrt{c}\,\,\sqrt{c}\,\,\sqrt{c}\,\,\sqrt{c}\,\,\sqrt{c}\,\,\sqrt{c}\,\,\sqrt{c}\,\,\sqrt{c}\,\,\sqrt{c}\,\,\sqrt{c}\,\,\sqrt{c}\,\,\sqrt{c}\,\,\sqrt{c}\,\,\sqrt{c}\,\,\sqrt{c}\,\,\sqrt{c}\,\,\sqrt{c}\,\,\sqrt{c}\,\,\sqrt{c}\,\,\sqrt{c}\,\,\sqrt{c}\,\,\sqrt{c}\,\,\sqrt{c}\,\,\sqrt{c}\,\,\sqrt{c}\,\,\sqrt{c}\,\,\sqrt{c}\,\,\sqrt{c}\,\,\sqrt{c}\,\,\sqrt{c}\,\,\sqrt{c}\,\,\sqrt{c}\,\,\sqrt{c}\,\,\sqrt{c}\,\,\sqrt{c}\,\,\sqrt{c}\,\,\sqrt{c}\,\,\sqrt{c}\,\,\sqrt{c}\,\,\sqrt{c}\,\,\sqrt{c}\,\,\sqrt{c}\,\,\sqrt{c}\,\,\sqrt{c}\,\,\sqrt{c}\,\,\sqrt{c}\,\,\sqrt{c}\,\,\sqrt{c}\,\,\sqrt{c}\,\,\sqrt{c}\,\,\sqrt{c}\,\,\sqrt{c}\,\,\sqrt{c}\,\,\sqrt{c}\,\,\sqrt{c}\,\,\sqrt{c}\,\,\sqrt{c}\,\,\sqrt{c}\,\,\sqrt{c}\,\,\sqrt{c}\,\,\sqrt{c}\,\,\sqrt{c}\,\,\sqrt{c}\,\,\sqrt{c}\,\,\sqrt{c}\,\,\sqrt{c}\,\,\sqrt{c}\,\,\sqrt{c}\,\,\sqrt{c}\,\,\sqrt{c}\,\,\sqrt{c}\,\,\sqrt{c}\,\,\sqrt{c}\,\,\sqrt{c}\,\,\sqrt{c}\,\,\sqrt{c}\,\,\sqrt{c}\,\,\sqrt{c}\,\,\sqrt{c}\,\,\sqrt{c}\,\,\sqrt{c}\,\,\sqrt{c}\,\,\sqrt{c}\,\,\sqrt{c}\,\,\sqrt{c}\,\,\sqrt{c}\,\,\sqrt{c}\,\,\sqrt{c}\,\,\sqrt{c}\,\,\sqrt{c}\,\,\sqrt{c}\,\,\sqrt{c}\,\,\sqrt{c}\,\,\sqrt{c}\,\,\sqrt{c}\,\,\sqrt{c}\,\,\sqrt{c}\,\,\sqrt{c}\,\,\sqrt{c}\,\,\sqrt{c}\,\,\sqrt{c}\,\,\sqrt{c}\,\,\sqrt{c}\,\,\sqrt{c}\,\,\sqrt{c}\,\,\sqrt{c}\,\,\sqrt{c}\,\,\sqrt{c}\,\,\sqrt{c}\,\,\sqrt{c}\,\,\sqrt{c}\,\,\sqrt{c}\,\,\sqrt{c}\,\,\sqrt{c}\,\,\sqrt{c}\,\,\sqrt{c}\,\,\sqrt{c}\,\,\sqrt{c}\,\,\sqrt{c}\,\,\sqrt{c}\,\,\sqrt{c}\,\,\sqrt{c}\,\,\sqrt{c}\,\,\sqrt{c}\,\,\sqrt{c}\,\,\sqrt{c}\,\,\sqrt{c}\,\,\sqrt{c}\,\,\sqrt{c}\,\,\sqrt{c}\,\,\sqrt{c}\,\,\sqrt{c}\,\,\sqrt{c}\,\,\sqrt{c}\,\,\sqrt{c}\,\,\sqrt{c}\,\,\sqrt{c}\,\,\sqrt{c}\,\,\sqrt{c}\,\,\sqrt{c}\,\,\sqrt{c}\,\,\sqrt{c}\,\,\sqrt{c}\,\,\sqrt{c}\,\,\sqrt{c}\,\,\sqrt{c}\,\,\sqrt{c}\,\,\sqrt{c}\,\,\sqrt{c}\,\,\sqrt{c}\,\,\sqrt{c}\,\,\sqrt{c}\,\,\sqrt{c}\,\,\sqrt{c}\,\,\sqrt{c}\,\,\sqrt{c}\,\,\sqrt{c}\,\,\sqrt{c}\,\,\sqrt{c}\,\,\sqrt{c}\,\,\sqrt{c}\,\,\sqrt{c}\,\,\sqrt{c}\,\,\sqrt{c}\,\,\sqrt{c}\,\,\sqrt{c}\,\,\sqrt{c}\,\,\sqrt{c}\,\,\sqrt{c}\,\,\sqrt{c}\,\,\sqrt{c}\,\,\sqrt{c}\,\,\sqrt{c}\,\,\sqrt{c}\,\,\sqrt{c}\,\,\sqrt{c}\,\,\sqrt{c}\,\,\sqrt{c}\,\,\sqrt{c}\,\,\sqrt{c}\,\,\sqrt{c}\,\,\sqrt{c}\,\,\sqrt{c}\,\,\sqrt{c}\,\,\sqrt{c}\,\,\sqrt{c}\,\,\sqrt{c}\,\,\sqrt{c}\,\,\sqrt{c}\,\,\sqrt{c}\,\,\sqrt{c}\,\,\sqrt{c}\,\,\sqrt{c}\,\,\sqrt{c}\,\,\sqrt{c}\,\,\sqrt{c}\,\,\sqrt{c}\,\,\sqrt{c
                                                                                                                                                                                                    b \; (3 \; a \; -b \; + \; 3 \; c \; + \; 4 \; a \; Cosh[\; 2 \; x] \; - \; 4 \; c \; Cosh[\; 2 \; x] \; + \; a \; Cosh[\; 4 \; x] \; + \; b \; Cosh[\; 4 \; x] \; + \; c \; Cosh[\; 4 \; x] \; ) \; + \; c \; Cosh[\; 4 \; x] \; ) \; + \; c \; Cosh[\; 4 \; x] \; ) \; + \; c \; Cosh[\; 4 \; x] \; ) \; + \; c \; Cosh[\; 4 \; x] \; ) \; + \; c \; Cosh[\; 4 \; x] \; ) \; + \; c \; Cosh[\; 4 \; x] \; ) \; + \; c \; Cosh[\; 4 \; x] \; ) \; + \; c \; Cosh[\; 4 \; x] \; ) \; + \; c \; Cosh[\; 4 \; x] \; ) \; + \; c \; Cosh[\; 4 \; x] \; ) \; + \; c \; Cosh[\; 4 \; x] \; ) \; + \; c \; Cosh[\; 4 \; x] \; ) \; + \; c \; Cosh[\; 4 \; x] \; ) \; + \; c \; Cosh[\; 4 \; x] \; ) \; + \; c \; Cosh[\; 4 \; x] \; ) \; + \; c \; Cosh[\; 4 \; x] \; ) \; + \; c \; Cosh[\; 4 \; x] \; ) \; + \; c \; Cosh[\; 4 \; x] \; ) \; + \; c \; Cosh[\; 4 \; x] \; ) \; + \; c \; Cosh[\; 4 \; x] \; ) \; + \; c \; Cosh[\; 4 \; x] \; ) \; + \; c \; Cosh[\; 4 \; x] \; ) \; + \; c \; Cosh[\; 4 \; x] \; ) \; + \; c \; Cosh[\; 4 \; x] \; ) \; + \; c \; Cosh[\; 4 \; x] \; ) \; + \; c \; Cosh[\; 4 \; x] \; ) \; + \; c \; Cosh[\; 4 \; x] \; ) \; + \; c \; Cosh[\; 4 \; x] \; ) \; + \; c \; Cosh[\; 4 \; x] \; ) \; + \; c \; Cosh[\; 4 \; x] \; ) \; + \; c \; Cosh[\; 4 \; x] \; ) \; + \; c \; Cosh[\; 4 \; x] \; ) \; + \; c \; Cosh[\; 4 \; x] \; ) \; + \; c \; Cosh[\; 4 \; x] \; ) \; + \; c \; Cosh[\; 4 \; x] \; ) \; + \; c \; Cosh[\; 4 \; x] \; ) \; + \; c \; Cosh[\; 4 \; x] \; ) \; + \; c \; Cosh[\; 4 \; x] \; ) \; + \; c \; Cosh[\; 4 \; x] \; ) \; + \; c \; Cosh[\; 4 \; x] \; ) \; + \; c \; Cosh[\; 4 \; x] \; ) \; + \; c \; Cosh[\; 4 \; x] \; ) \; + \; c \; Cosh[\; 4 \; x] \; ) \; + \; c \; Cosh[\; 4 \; x] \; ) \; + \; c \; Cosh[\; 4 \; x] \; ) \; + \; c \; Cosh[\; 4 \; x] \; ) \; + \; c \; Cosh[\; 4 \; x] \; ) \; + \; c \; Cosh[\; 4 \; x] \; ) \; + \; c \; Cosh[\; 4 \; x] \; ) \; + \; c \; Cosh[\; 4 \; x] \; ) \; + \; c \; Cosh[\; 4 \; x] \; ) \; + \; c \; Cosh[\; 4 \; x] \; ) \; + \; c \; Cosh[\; 4 \; x] \; ) \; + \; c \; Cosh[\; 4 \; x] \; ) \; + \; c \; Cosh[\; 4 \; x] \; ) \; + \; c \; Cosh[\; 4 \; x] \; + \; c \; Cosh[\; 4 \; x] \; ) \; + \; c \; Cosh[\; 4 \; x] \; ) \; + \; c \; Cosh[\; 4 \; x] \; ) \; + \; c \; Cosh[\; 4 \; x] \; + \; c \; Cosh[\; 4 \; x] \; ) \; + \; c \; Cosh[\; 4 \; x] \; + \; c \; Cosh[\; 4 \; x] \; + \; c \; Cosh[\; 4 \; x] \; + \; c \; Cosh[\; 4 \; x] \; + \; c \; Cosh[\; 4 \; x] \; + \; c \; Cosh[\; 4 \; x] \; + \; c \; Cosh[\; 4 \; x] \; + \; c \; Cosh[\;
                                                                                                                                                                                               c(3a-b+3c+4aCosh[2x]-4cCosh[2x]+aCosh[4x]+bCosh[4x]+cCosh[4x])))
                                                        \frac{1}{\sqrt{a+b+c}} \ 2 \ Log \Big[ 2 \ \Big( a \ \sqrt{3 \ a-b+3 \ c+4 \ a \ Cosh[2 \ x] \ -4 \ c \ Cosh[2 \ x] \ +a \ Cosh[4 \ x] \ +b \ Cosh[4 \ x] \ +c \ C
                                                                                                                                                               b\sqrt{3}a - b + 3c + 4a Cosh[2x] - 4c Cosh[2x] + a Cosh[4x] + b Cosh[4x] + c Cosh[4x] + c Cosh[4x]
                                                                                                                                                                                   \sqrt{3} a - b + 3 c + 4 a Cosh[2 x] - 4 c Cosh[2 x] + a Cosh[4 x] + b Cosh[4 x] + c Cosh[4 x] + \sqrt{a + b + c}
                                                                                                                                                                                   \sqrt{(2b^2 - 8ac + a(3a - b + 3c + 4aCosh[2x] - 4cCosh[2x] + aCosh[4x] + bCosh[4x] + cCosh[4x])} + cCosh[4x] + cCos
                                                                                                                                                                                                                                     b \; (3 \; a - b + 3 \; c + 4 \; a \; Cosh[2 \; x] \; - \; 4 \; c \; Cosh[2 \; x] \; + \; a \; Cosh[4 \; x] \; + \; b \; Cosh[4 \; x] \; + \; c \; Cosh[4 \; x]) \; + \; c \; Cosh[4 \; x] \; + \; c \; Cos
                                                                                                                                                                                                                                    c (3 a - b + 3 c + 4 a Cosh[2 x] - 4 c Cosh[2 x] + a Cosh[4 x] + b Cosh[4 x] + c Cosh[4 x]))
                                                                                                                                                                                                                                                                                                                  c Sech[x]2 Sinh[2x]
                                                               \sqrt{3 a - b + 3 c + 4 (a - c) \cosh[2 x] + (a + b + c) \cosh[4 x]}
                                                                                                                                                                                                                                           c Cosh[2x] Sech[x]^2 Sinh[2x]
                                                                  \sqrt{3 a - b + 3 c + 4 (a - c) \cosh[2 x] + (a + b + c) \cosh[4 x]}
                           (4 \text{ a Sinh}[2 \text{ x}] - 4 \text{ c Sinh}[2 \text{ x}] + 2 \text{ a Sinh}[4 \text{ x}] + 2 \text{ b Sinh}[4 \text{ x}] + 2 \text{ c Sinh}[4 \text{ x}])
16 (b-c+c \cosh[2 x])^2 \sqrt{3 a-b+3 c+4 a \cosh[2 x]-4 c \cosh[2 x]+a \cosh[4 x]+b \cosh[4 x]+c \cosh[4 x]}
                        \sqrt{(2b^2 - 8ac + a(3a - b + 3c + 4aCosh[2x] - 4cCosh[2x] + aCosh[4x] + bCosh[4x] + cCosh[4x])} + ccosh[4x] + ccos
                                                                    b(3a - b + 3c + 4a \cosh[2x] - 4c \cosh[2x] + a \cosh[4x] + b \cosh[4x] + c \cosh[4x]) +
                                                                            c(3a-b+3c+4aCosh[2x]-4cCosh[2x]+aCosh[4x]+bCosh[4x]+cCosh[4x])
                      \sqrt{\left(\frac{1}{a+b+c}\left(-4 \text{ a} - 2 \text{ b} + \sqrt{2} \sqrt{(2 \text{ b}^2 - 8 \text{ a} \text{ c} + \text{ a} (3 \text{ a} - \text{b} + 3 \text{ c} + 4 \text{ a} \text{ Cosh}[2 \text{ x}] - 4 \text{ c} \text{ Cosh}[2 \text{ x}] + \text{a} \text{ Cosh}[4 \text{ x}] + \text{b} \text{ Cosh}[4 \text{ x}] + \text{b} \text{ Cosh}[4 \text{ x}] + \text{c} \text{cosh}[4 \text{ x}] + \text{c} \text
                                                                                                                                                                                                                                    \texttt{c} \; \texttt{Cosh} \left[ \; 4 \; \mathbf{x} \; \right] \; ) \; + \; \texttt{b} \; \left( \; 3 \; \text{a} \; - \; \text{b} \; + \; 3 \; \text{c} \; + \; 4 \; \text{a} \; \texttt{Cosh} \left[ \; 2 \; \mathbf{x} \; \right] \; - \; 4 \; \text{c} \; \texttt{Cosh} \left[ \; 2 \; \mathbf{x} \; \right] \; + \; \text{a} \; \texttt{Cosh} \left[ \; 4 \; \mathbf{x} \; \right] \; + \; \text{b} \; \texttt{Cosh} \left[ \; 4 \; \mathbf{x} \; \right] \; + \; \text{c} \; \texttt{Cosh} \left[ \; 4 \; \mathbf{x} \; \right] \; + \; \text{c} \; \texttt{Cosh} \left[ \; 4 \; \mathbf{x} \; \right] \; + \; \text{c} \; \texttt{Cosh} \left[ \; 4 \; \mathbf{x} \; \right] \; + \; \text{c} \; \texttt{Cosh} \left[ \; 4 \; \mathbf{x} \; \right] \; + \; \text{c} \; \texttt{Cosh} \left[ \; 4 \; \mathbf{x} \; \right] \; + \; \text{c} \; \texttt{Cosh} \left[ \; 4 \; \mathbf{x} \; \right] \; + \; \text{c} \; \texttt{Cosh} \left[ \; 4 \; \mathbf{x} \; \right] \; + \; \text{c} \; \texttt{Cosh} \left[ \; 4 \; \mathbf{x} \; \right] \; + \; \text{c} \; \texttt{Cosh} \left[ \; 4 \; \mathbf{x} \; \right] \; + \; \text{c} \; \texttt{Cosh} \left[ \; 4 \; \mathbf{x} \; \right] \; + \; \text{c} \; \texttt{Cosh} \left[ \; 4 \; \mathbf{x} \; \right] \; + \; \text{c} \; \texttt{Cosh} \left[ \; 4 \; \mathbf{x} \; \right] \; + \; \text{c} \; \texttt{Cosh} \left[ \; 4 \; \mathbf{x} \; \right] \; + \; \text{c} \; \texttt{Cosh} \left[ \; 4 \; \mathbf{x} \; \right] \; + \; \text{c} \; \texttt{Cosh} \left[ \; 4 \; \mathbf{x} \; \right] \; + \; \text{c} \; \texttt{Cosh} \left[ \; 4 \; \mathbf{x} \; \right] \; + \; \text{c} \; \texttt{Cosh} \left[ \; 4 \; \mathbf{x} \; \right] \; + \; \text{c} \; \texttt{Cosh} \left[ \; 4 \; \mathbf{x} \; \right] \; + \; \text{c} \; \texttt{Cosh} \left[ \; 4 \; \mathbf{x} \; \right] \; + \; \text{c} \; \texttt{Cosh} \left[ \; 4 \; \mathbf{x} \; \right] \; + \; \text{c} \; \texttt{Cosh} \left[ \; 4 \; \mathbf{x} \; \right] \; + \; \text{c} \; \texttt{Cosh} \left[ \; 4 \; \mathbf{x} \; \right] \; + \; \text{c} \; \texttt{Cosh} \left[ \; 4 \; \mathbf{x} \; \right] \; + \; \text{c} \; \texttt{Cosh} \left[ \; 4 \; \mathbf{x} \; \right] \; + \; \text{c} \; \texttt{Cosh} \left[ \; 4 \; \mathbf{x} \; \right] \; + \; \text{c} \; \texttt{Cosh} \left[ \; 4 \; \mathbf{x} \; \right] \; + \; \text{c} \; \texttt{Cosh} \left[ \; 4 \; \mathbf{x} \; \right] \; + \; \text{c} \; \texttt{Cosh} \left[ \; 4 \; \mathbf{x} \; \right] \; + \; \text{c} \; \texttt{Cosh} \left[ \; 4 \; \mathbf{x} \; \right] \; + \; \text{c} \; \texttt{Cosh} \left[ \; 4 \; \mathbf{x} \; \right] \; + \; \text{c} \; \texttt{Cosh} \left[ \; 4 \; \mathbf{x} \; \right] \; + \; \text{c} \; \texttt{Cosh} \left[ \; 4 \; \mathbf{x} \; \right] \; + \; \text{c} \; \texttt{Cosh} \left[ \; 4 \; \mathbf{x} \; \right] \; + \; \text{c} \; \texttt{Cosh} \left[ \; 4 \; \mathbf{x} \; \right] \; + \; \text{c} \; \texttt{Cosh} \left[ \; 4 \; \mathbf{x} \; \right] \; + \; \text{c} \; \texttt{Cosh} \left[ \; 4 \; \mathbf{x} \; \right] \; + \; \text{c} \; \texttt{c} \; \texttt{c} \; \texttt{cosh} \left[ \; 4 \; \mathbf{x} \; \right] \; + \; \text{c} \; \texttt{c} \; \texttt{cosh} \left[ \; 4 \; \mathbf{x} \; \right] \; + \; \text{c} \; \texttt{c} \; \texttt{cosh} \left[ \; 4 \; \mathbf{x} \; \right] \; + \; \text{c} \; \texttt{cosh} \left[ \; 4 \; \mathbf{x} \; \right] \; + \; \text{c} \; \texttt{cosh} \left[ \; 4 \; \mathbf{x} \; \right] \; + \; \text{c} \; \texttt{cosh} \left[ \; 4 \; \mathbf{x} \; \right] \; + \; \text{c} \; \texttt{cosh} \left[ \; 4 \; \mathbf{x} \; \right] \; + \; \text{c} \; \texttt{cosh} \left[ \; 4 \; \mathbf{x} \;
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c (3 a - b + 3 c + 4 a Cosh[2 x] - 4 c Cosh[2 x] + a Cosh[4 x] + b Cosh[4 x] + c Cosh[4 x]))
                                   \left(-2\,a + 2\,c + \sqrt{2}\,\,\sqrt{\left(2\,b^2 - 8\,a\,c + a\,\left(3\,a - b + 3\,c + 4\,a\,Cosh[\,2\,x\,] - 4\,c\,Cosh[\,2\,x\,] + a\,Cosh[\,4\,x\,] + b\,Cosh[\,4\,x\,] + c\,Cosh[\,4\,x\,] \right)} \right. + \left(-2\,a + 2\,c + \sqrt{2}\,\,\sqrt{\left(2\,b^2 - 8\,a\,c + a\,\left(3\,a - b + 3\,c + 4\,a\,Cosh[\,2\,x\,] - 4\,c\,Cosh[\,2\,x\,] + a\,Cosh[\,4\,x\,] + b\,Cosh[\,4\,x\,] + c\,Cosh[\,4\,x\,] \right)} \right) + \left(-2\,a + 2\,c + \sqrt{2}\,\,\sqrt{\left(2\,b^2 - 8\,a\,c + a\,\left(3\,a - b + 3\,c + 4\,a\,Cosh[\,2\,x\,] - 4\,c\,Cosh[\,2\,x\,] + a\,Cosh[\,4\,x\,] + b\,Cosh[\,4\,x\,] + b\,Cosh[\,4\,x\,] + c\,Cosh[\,4\,x\,] \right)} \right) + \left(-2\,a + 2\,c + \sqrt{2}\,\,\sqrt{\left(2\,b^2 - 8\,a\,c + a\,\left(3\,a - b + 3\,c + 4\,a\,Cosh[\,2\,x\,] - 4\,c\,Cosh[\,2\,x\,] + a\,Cosh[\,4\,x\,] + b\,Cosh[\,4\,x\,] + c\,Cosh[\,4\,x\,] + c\,C
                                                                                                                          b(3a-b+3c+4aCosh[2x]-4cCosh[2x]+aCosh[4x]+bCosh[4x]+cCosh[4x])
                                                                                                                             c(3a-b+3c+4aCosh[2x]-4cCosh[2x]+aCosh[4x]+bCosh[4x]+cCosh[4x]))
                               \sqrt{\left[-1 + \frac{1}{2(a+b+c)} \left(-2a+2c+\sqrt{2}\sqrt{2b^2-8ac+a(3a-b+3c+4aCosh[2x]-4cCosh[2x]+aCosh[4x]+\frac{1}{2(a+b+c)}\right]}\right]}
                                                                                                                                                                                                                                            b \, Cosh[4 \, x] + c \, Cosh[4 \, x]) + b \, (3 \, a - b + 3 \, c + 4 \, a \, Cosh[2 \, x] - 4 \, c \, Cosh[2 \, x] + a \, Cosh[4 \, x] + b \, Cosh[4 \,
                                                                                                                                                                                                                                          c \cosh[4x] + c (3a - b + 3c + 4a \cosh[2x] - 4c \cosh[2x] + a \cosh[4x] + b \cosh[4x] + c \cosh[4x])
                             \sqrt{1 + \frac{1}{2(a+b+c)}} \left( -2a + 2c + \sqrt{2} \sqrt{2b^2 - 8ac + a(3a-b+3c+4a) + 2c+4a + 2c+4c + 2c+4
                                                                                                                                                                                                                                          b \, Cosh[\,4\,\,x] \, + c \, Cosh[\,4\,\,x]\,) \, + b \, (3\,\,a - b + 3\,\,c + 4\,\,a \, Cosh[\,2\,\,x] \, - \, 4\,\,c \, Cosh[\,2\,\,x] \, + \, a \, Cosh[\,4\,\,x] \, + \, b \, Cosh[\,4\,\,x]
                                                                                                                                                                                                                                          \sqrt{(3 a - b + 3 c + 4 (a - c) Cosh[2 x] + (a + b + c) Cosh[4 x]) Sech[x]^4} +
c (3a-b+3c+4(a-c) Cosh[2x] + (a+b+c) Cosh[4x])
                                 \left(2\; a\; \sqrt{3\; a\; -\; b\; +\; 3\; c\; +\; 4\; a\; Cosh\left[2\; x\right]\; -\; 4\; c\; Cosh\left[2\; x\right]\; +\; a\; Cosh\left[4\; x\right]\; +\; b\; Cosh\left[4\; x\right]\; +\; c\; C
                                                              2 b \sqrt{3 a - b + 3 c + 4 a Cosh[2 x] - 4 c Cosh[2 x] + a Cosh[4 x] + b Cosh[4 x] + c Cosh[4 x]}
                                                              2 c \sqrt{3 a - b + 3 c + 4 a Cosh[2 x]} - 4 c Cosh[2 x] + a Cosh[4 x] + b Cosh[4 x] + c Cosh[4 x]
                               \sqrt{\left[\frac{1}{2+b+a}\left(2b+4c+\sqrt{2}\sqrt{2b^2-8ac+a(3a-b+3c+4aCosh[2x]-4cCosh[2x]+aCosh[4x]+bCosh[4x]+bCosh[4x]+bCosh[4x]+bCosh[4x]+bCosh[4x]+bCosh[4x]+bCosh[4x]+bCosh[4x]+bCosh[4x]+bCosh[4x]+bCosh[4x]+bCosh[4x]+bCosh[4x]+bCosh[4x]+bCosh[4x]+bCosh[4x]+bCosh[4x]+bCosh[4x]+bCosh[4x]+bCosh[4x]+bCosh[4x]+bCosh[4x]+bCosh[4x]+bCosh[4x]+bCosh[4x]+bCosh[4x]+bCosh[4x]+bCosh[4x]+bCosh[4x]+bCosh[4x]+bCosh[4x]+bCosh[4x]+bCosh[4x]+bCosh[4x]+bCosh[4x]+bCosh[4x]+bCosh[4x]+bCosh[4x]+bCosh[4x]+bCosh[4x]+bCosh[4x]+bCosh[4x]+bCosh[4x]+bCosh[4x]+bCosh[4x]+bCosh[4x]+bCosh[4x]+bCosh[4x]+bCosh[4x]+bCosh[4x]+bCosh[4x]+bCosh[4x]+bCosh[4x]+bCosh[4x]+bCosh[4x]+bCosh[4x]+bCosh[4x]+bCosh[4x]+bCosh[4x]+bCosh[4x]+bCosh[4x]+bCosh[4x]+bCosh[4x]+bCosh[4x]+bCosh[4x]+bCosh[4x]+bCosh[4x]+bCosh[4x]+bCosh[4x]+bCosh[4x]+bCosh[4x]+bCosh[4x]+bCosh[4x]+bCosh[4x]+bCosh[4x]+bCosh[4x]+bCosh[4x]+bCosh[4x]+bCosh[4x]+bCosh[4x]+bCosh[4x]+bCosh[4x]+bCosh[4x]+bCosh[4x]+bCosh[4x]+bCosh[4x]+bCosh[4x]+bCosh[4x]+bCosh[4x]+bCosh[4x]+bCosh[4x]+bCosh[4x]+bCosh[4x]+bCosh[4x]+bCosh[4x]+bCosh[4x]+bCosh[4x]+bCosh[4x]+bCosh[4x]+bCosh[4x]+bCosh[4x]+bCosh[4x]+bCosh[4x]+bCosh[4x]+bCosh[4x]+bCosh[4x]+bCosh[4x]+bCosh[4x]+bCosh[4x]+bCosh[4x]+bCosh[4x]+bCosh[4x]+bCosh[4x]+bCosh[4x]+bCosh[4x]+bCosh[4x]+bCosh[4x]+bCosh[4x]+bCosh[4x]+bCosh[4x]+bCosh[4x]+bCosh[4x]+bCosh[4x]+bCosh[4x]+bCosh[4x]+bCosh[4x]+bCosh[4x]+bCosh[4x]+bCosh[4x]+bCosh[4x]+bCosh[4x]+bCosh[4x]+bCosh[4x]+bCosh[4x]+bCosh[4x]+bCosh[4x]+bCosh[4x]+bCosh[4x]+bCosh[4x]+bCosh[4x]+bCosh[4x]+bCosh[4x]+bCosh[4x]+bCosh[4x]+bCosh[4x]+bCosh[4x]+bCosh[4x]+bCosh[4x]+bCosh[4x]+bCosh[4x]+bCosh[4x]+bCosh[4x]+bCosh[4x]+bCosh[4x]+bCosh[4x]+bCosh[4x]+bCosh[4x]+bCosh[4x]+bCosh[4x]+bCosh[4x]+bCosh[4x]+bCosh[4x]+bCosh[4x]+bCosh[4x]+bCosh[4x]+bCosh[4x]+bCosh[4x]+bCosh[4x]+bCosh[4x]+bCosh[4x]+bCosh[4x]+bCosh[4x]+bCosh[4x]+bCosh[4x]+bCosh[4x]+bCosh[4x]+bCosh[4x]+bCosh[4x]+bCosh[4x]+bCosh[4x]+bCosh[4x]+bCosh[4x]+bCosh[4x]+bCosh[4x]+bCosh[4x]+bCosh[4x]+bCosh[4x]+bCosh[4x]+bCosh[4x]+bCosh[4x]+bCosh[4x]+bCosh[4x]+bCosh[4x]+bCosh[4x]+bCosh[4x]+bCosh[4x]+bCos
                                                                                                                                                                                                                           \texttt{c} \; \texttt{Cosh} \left[ \; 4 \; \mathbf{x} \; \right] \; ) \; + \; \texttt{b} \; \left( \; 3 \; \text{a} \; - \; \text{b} \; + \; 3 \; \text{c} \; + \; 4 \; \text{a} \; \texttt{Cosh} \left[ \; 2 \; \mathbf{x} \; \right] \; - \; 4 \; \text{c} \; \texttt{Cosh} \left[ \; 2 \; \mathbf{x} \; \right] \; + \; \text{a} \; \texttt{Cosh} \left[ \; 4 \; \mathbf{x} \; \right] \; + \; \text{b} \; \texttt{Cosh} \left[ \; 4 \; \mathbf{x} \; \right] \; + \; \text{c} \; \texttt{Cosh} \left[ \; 4 \; \mathbf{x} \; \right] \; ) \; + \; \texttt{c} \; \texttt{Cosh} \left[ \; 4 \; \mathbf{x} \; \right] \; + \; \texttt{c} \; \texttt{Cosh} \left[ \; 4 \; \mathbf{x} \; \right] \; + \; \texttt{c} \; \texttt{Cosh} \left[ \; 4 \; \mathbf{x} \; \right] \; + \; \texttt{c} \; \texttt{Cosh} \left[ \; 4 \; \mathbf{x} \; \right] \; + \; \texttt{c} \; \texttt{Cosh} \left[ \; 4 \; \mathbf{x} \; \right] \; + \; \texttt{c} \; \texttt{Cosh} \left[ \; 4 \; \mathbf{x} \; \right] \; + \; \texttt{c} \; \texttt{cosh} \left[ \; 4 \; \mathbf{x} \; \right] \; + \; \texttt{c} \; \texttt{cosh} \left[ \; 4 \; \mathbf{x} \; \right] \; + \; \texttt{c} \; \texttt{cosh} \left[ \; 4 \; \mathbf{x} \; \right] \; + \; \texttt{c} \; \texttt{cosh} \left[ \; 4 \; \mathbf{x} \; \right] \; + \; \texttt{c} \; \texttt{cosh} \left[ \; 4 \; \mathbf{x} \; \right] \; + \; \texttt{c} \; \texttt{cosh} \left[ \; 4 \; \mathbf{x} \; \right] \; + \; \texttt{c} \; \texttt{cosh} \left[ \; 4 \; \mathbf{x} \; \right] \; + \; \texttt{c} \; \texttt{cosh} \left[ \; 4 \; \mathbf{x} \; \right] \; + \; \texttt{c} \; \texttt{cosh} \left[ \; 4 \; \mathbf{x} \; \right] \; + \; \texttt{c} \; \texttt{cosh} \left[ \; 4 \; \mathbf{x} \; \right] \; + \; \texttt{c} \; \texttt{cosh} \left[ \; 4 \; \mathbf{x} \; \right] \; + \; \texttt{c} \; \texttt{cosh} \left[ \; 4 \; \mathbf{x} \; \right] \; + \; \texttt{c} \; \texttt{cosh} \left[ \; 4 \; \mathbf{x} \; \right] \; + \; \texttt{c} \; \texttt{cosh} \left[ \; 4 \; \mathbf{x} \; \right] \; + \; \texttt{c} \; \texttt{cosh} \left[ \; 4 \; \mathbf{x} \; \right] \; + \; \texttt{c} \; \texttt{cosh} \left[ \; 4 \; \mathbf{x} \; \right] \; + \; \texttt{c} \; \texttt{cosh} \left[ \; 4 \; \mathbf{x} \; \right] \; + \; \texttt{c} \; \texttt{cosh} \left[ \; 4 \; \mathbf{x} \; \right] \; + \; \texttt{c} \; \texttt{cosh} \left[ \; 4 \; \mathbf{x} \; \right] \; + \; \texttt{c} \; \texttt{cosh} \left[ \; 4 \; \mathbf{x} \; \right] \; + \; \texttt{c} \; \texttt{cosh} \left[ \; 4 \; \mathbf{x} \; \right] \; + \; \texttt{c} \; \texttt{cosh} \left[ \; 4 \; \mathbf{x} \; \right] \; + \; \texttt{c} \; \texttt{cosh} \left[ \; 4 \; \mathbf{x} \; \right] \; + \; \texttt{c} \; \texttt{cosh} \left[ \; 4 \; \mathbf{x} \; \right] \; + \; \texttt{c} \; \texttt{cosh} \left[ \; 4 \; \mathbf{x} \; \right] \; + \; \texttt{c} \; \texttt{cosh} \left[ \; 4 \; \mathbf{x} \; \right] \; + \; \texttt{c} \; \texttt{cosh} \left[ \; 4 \; \mathbf{x} \; \right] \; + \; \texttt{c} \; \texttt{cosh} \left[ \; 4 \; \mathbf{x} \; \right] \; + \; \texttt{c} \; \texttt{cosh} \left[ \; 4 \; \mathbf{x} \; \right] \; + \; \texttt{c} \; \texttt{cosh} \left[ \; 4 \; \mathbf{x} \; \right] \; + \; \texttt{c} \; \texttt{cosh} \left[ \; 4 \; \mathbf{x} \; \right] \; + \; \texttt{c} \; \texttt{cosh} \left[ \; 4 \; \mathbf{x} \; \right] \; + \; \texttt{c} \; \texttt{cosh} \left[ \; 4 \; \mathbf{x} \; \right] \; + \; \texttt{c} \; \texttt{cosh} \left[ \; 4 \; \mathbf{x} \; \right] \; + \; \texttt{c} \; \texttt{cosh} \left[ \; 4 \; \mathbf{x} \; \right] \; + \; \texttt{c} \; \texttt{cosh} \left[ \; 4 \; \mathbf{x} \; \right] \; + \; \texttt{c} \; \texttt{cosh} \left[ \; 4 \; \mathbf{x} \; \right] \; + \; \texttt{c} \; \texttt{cosh} 
                                                                                                                                                                            c (3 a - b + 3 c + 4 a Cosh[2 x] - 4 c Cosh[2 x] + a Cosh[4 x] + b Cosh[4 x] + c Cosh[4 x]))
                                              {\tt ArcTanh} \Big[ \, \frac{\sqrt{\, {\tt 3\, a-b+3\, c+4\, a\, Cosh[\, 2\, x]\, -4\, c\, Cosh[\, 2\, x]\, +a\, Cosh[\, 4\, x]\, +b\, Cosh[\, 4\, x]\, +c\, Cosh[\, 4\, x]\, -b\, Cosh[\, 4\, x]\, -b\,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              -\frac{1}{\sqrt{c}} ArcTanh[
                                                                                                  \left( \, (b + 2 \, c) \, \sqrt{3 \, a - b + 3 \, c + 4 \, a \, Cosh[\, 2 \, x] \, - 4 \, c \, Cosh[\, 2 \, x] \, + a \, Cosh[\, 4 \, x] \, + b \, Cosh[\, 4 \, x] \, + c \, Cosh[\, 4 \, x] \, } \, \right) / \, \left( \, (b + 2 \, c) \, \sqrt{3 \, a - b + 3 \, c + 4 \, a \, Cosh[\, 2 \, x] \, - 4 \, c \, Cosh[\, 2 \, x] \, + a \, Cosh[\, 4 \, x] \, + b \, Cosh[\, 4 \, x] \, + c \, Cosh[\, 4 \, x] \, + c
                                                                                                                 2\sqrt{c}\sqrt{(2b^2-8ac+a(3a-b+3c+4aCosh[2x]-4cCosh[2x]+aCosh[4x]+bCosh[4x]+cCosh[4x])}
                                                                                                                                                                                             b \; (3 \; a \; -b \; + \; 3 \; c \; + \; 4 \; a \; Cosh[\; 2 \; x] \; - \; 4 \; c \; Cosh[\; 2 \; x] \; + \; a \; Cosh[\; 4 \; x] \; + \; b \; Cosh[\; 4 \; x] \; + \; c \; Cosh[\; 4 \; x] \; ) \; + \; c \; Cosh[\; 4 \; x] \; ) \; + \; c \; Cosh[\; 4 \; x] \; ) \; + \; c \; Cosh[\; 4 \; x] \; ) \; + \; c \; Cosh[\; 4 \; x] \; ) \; + \; c \; Cosh[\; 4 \; x] \; ) \; + \; c \; Cosh[\; 4 \; x] \; ) \; + \; c \; Cosh[\; 4 \; x] \; ) \; + \; c \; Cosh[\; 4 \; x] \; ) \; + \; c \; Cosh[\; 4 \; x] \; ) \; + \; c \; Cosh[\; 4 \; x] \; ) \; + \; c \; Cosh[\; 4 \; x] \; ) \; + \; c \; Cosh[\; 4 \; x] \; ) \; + \; c \; Cosh[\; 4 \; x] \; ) \; + \; c \; Cosh[\; 4 \; x] \; ) \; + \; c \; Cosh[\; 4 \; x] \; ) \; + \; c \; Cosh[\; 4 \; x] \; ) \; + \; c \; Cosh[\; 4 \; x] \; ) \; + \; c \; Cosh[\; 4 \; x] \; ) \; + \; c \; Cosh[\; 4 \; x] \; ) \; + \; c \; Cosh[\; 4 \; x] \; ) \; + \; c \; Cosh[\; 4 \; x] \; ) \; + \; c \; Cosh[\; 4 \; x] \; ) \; + \; c \; Cosh[\; 4 \; x] \; ) \; + \; c \; Cosh[\; 4 \; x] \; ) \; + \; c \; Cosh[\; 4 \; x] \; ) \; + \; c \; Cosh[\; 4 \; x] \; ) \; + \; c \; Cosh[\; 4 \; x] \; ) \; + \; c \; Cosh[\; 4 \; x] \; ) \; + \; c \; Cosh[\; 4 \; x] \; ) \; + \; c \; Cosh[\; 4 \; x] \; ) \; + \; c \; Cosh[\; 4 \; x] \; ) \; + \; c \; Cosh[\; 4 \; x] \; ) \; + \; c \; Cosh[\; 4 \; x] \; ) \; + \; c \; Cosh[\; 4 \; x] \; ) \; + \; c \; Cosh[\; 4 \; x] \; ) \; + \; c \; Cosh[\; 4 \; x] \; ) \; + \; c \; Cosh[\; 4 \; x] \; ) \; + \; c \; Cosh[\; 4 \; x] \; ) \; + \; c \; Cosh[\; 4 \; x] \; ) \; + \; c \; Cosh[\; 4 \; x] \; ) \; + \; c \; Cosh[\; 4 \; x] \; ) \; + \; c \; Cosh[\; 4 \; x] \; ) \; + \; c \; Cosh[\; 4 \; x] \; ) \; + \; c \; Cosh[\; 4 \; x] \; ) \; + \; c \; Cosh[\; 4 \; x] \; ) \; + \; c \; Cosh[\; 4 \; x] \; ) \; + \; c \; Cosh[\; 4 \; x] \; ) \; + \; c \; Cosh[\; 4 \; x] \; ) \; + \; c \; Cosh[\; 4 \; x] \; ) \; + \; c \; Cosh[\; 4 \; x] \; + \; c \; Cosh[\; 4 \; x] \; ) \; + \; c \; Cosh[\; 4 \; x] \; ) \; + \; c \; Cosh[\; 4 \; x] \; + \; c \; Cosh[\; 4 \; x] \; + \; c \; Cosh[\; 4 \; x] \; + \; c \; Cosh[\; 4 \; x] \; + \; c \; Cosh[\; 4 \; x] \; + \; c \; Cosh[\; 4 \; x] \; + \; c \; Cosh[\; 4 \; x] \; + \; c \; Cosh[\; 4 \; x] \; + \; c \; Cosh[\; 4 \; x] \; + \; c \; Cosh[\; 4 \; x] \; + \; c \; Cosh[\; 4 \; x] \; + \; c \; Cosh[\; 4 \; x] \; + \; c \; Cosh[\; 4 \; x] \; + \; c \; Cosh[\; 4 \; x] \; + \; c \; Cosh[\; 4 \; x] \; + \; c \; Cosh[\; 4 \; x] \; + \; c \; Cosh[\; 4 \; x] \; + \; c \; Cosh[\; 4 \; x] 
                                                                                                                                                                                           c(3a-b+3c+4aCosh[2x]-4cCosh[2x]+aCosh[4x]+bCosh[4x]+cCosh[4x])))
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\frac{1}{\sqrt{a+b+c}} 2 \log \left[ 2 \left( a \sqrt{3 a-b+3 c+4 a \cosh[2 x]-4 c \cosh[2 x]+a \cosh[4 x]+b \cosh[4 x]+b \cosh[4 x]+c \cosh[4 x]} \right. \right.
                                                                                                                                             b\sqrt{3}a - b + 3c + 4a Cosh[2x] - 4c Cosh[2x] + a Cosh[4x] + b Cosh[4x] + c Cosh[4x] + c
                                                                                                                                                               \sqrt{3} a - b + 3 c + 4 a Cosh[2x] - 4 c Cosh[2x] + a Cosh[4x] + b Cosh[4x] + c Cosh[4x] + \sqrt{a+b+c}
                                                                                                                                                               \sqrt{(2b^2 - 8ac + a(3a - b + 3c + 4aCosh[2x] - 4cCosh[2x] + aCosh[4x] + bCosh[4x] + cCosh[4x])}
                                                                                                                                                                                                            b \; (3 \; a - b + 3 \; c + 4 \; a \; Cosh[2 \; x] \; - \; 4 \; c \; Cosh[2 \; x] \; + \; a \; Cosh[4 \; x] \; + \; b \; Cosh[4 \; x] \; + \; c \; Cosh[4 \; x]) \; + \; c \; Cosh[4 \; x] \; + \; c \; Cos
                                                                                                                                                                                                           c (3 a - b + 3 c + 4 a Cosh[2 x] - 4 c Cosh[2 x] + a Cosh[4 x] + b Cosh[4 x] + c Cosh[4 x]))
                     Sech[x]^2 Sinh[2x]
                                                                                                                                                                                                                                                                                     \sqrt{3 a - b + 3 c + 4 (a - c) \cosh[2x] + (a + b + c) \cosh[4x]}
                                                                                                                                                                                                                                                                              c Sech[x]^2 Sinh[2x]
                                                          \sqrt{3 a - b + 3 c + 4 (a - c) Cosh[2x] + (a + b + c) Cosh[4x]}
                                                                                                                                                                                                                 c Cosh[2x] Sech[x]^2 Sinh[2x]
                                                          \sqrt{3 a - b + 3 c + 4 (a - c) \cosh[2 x] + (a + b + c) \cosh[4 x]}
                        (4 \text{ a Sinh}[2 \text{ x}] - 4 \text{ c Sinh}[2 \text{ x}] + 2 \text{ a Sinh}[4 \text{ x}] + 2 \text{ b Sinh}[4 \text{ x}] + 2 \text{ c Sinh}[4 \text{ x}])
 \begin{array}{c} (16 \ (b-c+c \ Cosh[2 \ x]) \ \sqrt{3 \ a-b+3 \ c+4 \ a \ Cosh[2 \ x] - 4 \ c \ Cosh[2 \ x] + a \ Cosh[4 \ x] + b \ Cosh[4 \ x] + c \ 
                     \sqrt{(2b^2 - 8 \text{ a c} + \text{ a } (3 \text{ a} - b + 3 \text{ c} + 4 \text{ a } \text{Cosh}[2 \text{ x}] - 4 \text{ c } \text{Cosh}[2 \text{ x}] + \text{a } \text{Cosh}[4 \text{ x}] + \text{b } \text{Cosh}[4 \text{ x}] + \text{c } \text{Cosh}[4 \text{ x}])}
                                                                b \; (3 \; a \; -b \; + \; 3 \; c \; + \; 4 \; a \; Cosh \lceil 2 \; x \rceil \; - \; 4 \; c \; Cosh \lceil 2 \; x \rceil \; + \; a \; Cosh \lceil 4 \; x \rceil \; + \; b \; Cosh \lceil 4 \; x \rceil \; + \; c \; Cosh \lceil 4 \; x \rceil \; ) \; + \; c \; Cosh \lceil 4 \; x \rceil \; ) \; + \; c \; Cosh \lceil 4 \; x \rceil \; ) \; + \; c \; Cosh \lceil 4 \; x \rceil \; ) \; + \; c \; Cosh \lceil 4 \; x \rceil \; ) \; + \; c \; Cosh \lceil 4 \; x \rceil \; ) \; + \; c \; Cosh \lceil 4 \; x \rceil \; ) \; + \; c \; Cosh \lceil 4 \; x \rceil \; ) \; + \; c \; Cosh \lceil 4 \; x \rceil \; ) \; + \; c \; Cosh \lceil 4 \; x \rceil \; ) \; + \; c \; Cosh \lceil 4 \; x \rceil \; ) \; + \; c \; Cosh \lceil 4 \; x \rceil \; ) \; + \; c \; Cosh \lceil 4 \; x \rceil \; ) \; + \; c \; Cosh \lceil 4 \; x \rceil \; ) \; + \; c \; Cosh \lceil 4 \; x \rceil \; ) \; + \; c \; Cosh \lceil 4 \; x \rceil \; ) \; + \; c \; Cosh \lceil 4 \; x \rceil \; ) \; + \; c \; Cosh \lceil 4 \; x \rceil \; ) \; + \; c \; Cosh \lceil 4 \; x \rceil \; ) \; + \; c \; Cosh \lceil 4 \; x \rceil \; ) \; + \; c \; Cosh \lceil 4 \; x \rceil \; ) \; + \; c \; Cosh \lceil 4 \; x \rceil \; ) \; + \; c \; Cosh \lceil 4 \; x \rceil \; ) \; + \; c \; Cosh \lceil 4 \; x \rceil \; ) \; + \; c \; Cosh \lceil 4 \; x \rceil \; ) \; + \; c \; Cosh \lceil 4 \; x \rceil \; ) \; + \; c \; Cosh \lceil 4 \; x \rceil \; ) \; + \; c \; Cosh \lceil 4 \; x \rceil \; ) \; + \; c \; Cosh \lceil 4 \; x \rceil \; ) \; + \; c \; Cosh \lceil 4 \; x \rceil \; ) \; + \; c \; Cosh \lceil 4 \; x \rceil \; ) \; + \; c \; Cosh \lceil 4 \; x \rceil \; ) \; + \; c \; Cosh \lceil 4 \; x \rceil \; ) \; + \; c \; Cosh \lceil 4 \; x \rceil \; ) \; + \; c \; Cosh \lceil 4 \; x \rceil \; ) \; + \; c \; Cosh \lceil 4 \; x \rceil \; ) \; + \; c \; Cosh \lceil 4 \; x \rceil \; ) \; + \; c \; Cosh \lceil 4 \; x \rceil \; ) \; + \; c \; Cosh \lceil 4 \; x \rceil \; ) \; + \; c \; Cosh \lceil 4 \; x \rceil \; ) \; + \; c \; Cosh \lceil 4 \; x \rceil \; ) \; + \; c \; Cosh \lceil 4 \; x \rceil \; ) \; + \; c \; Cosh \lceil 4 \; x \rceil \; ) \; + \; c \; Cosh \lceil 4 \; x \rceil \; ) \; + \; c \; Cosh \lceil 4 \; x \rceil \; ) \; + \; c \; Cosh \lceil 4 \; x \rceil \; ) \; + \; c \; Cosh \lceil 4 \; x \rceil \; ) \; + \; c \; Cosh \lceil 4 \; x \rceil \; ) \; + \; c \; Cosh \lceil 4 \; x \rceil \; ) \; + \; c \; Cosh \lceil 4 \; x \rceil \; ) \; + \; c \; Cosh \lceil 4 \; x \rceil \; ) \; + \; c \; Cosh \lceil 4 \; x \rceil \; ) \; + \; c \; Cosh \lceil 4 \; x \rceil \; ) \; + \; c \; Cosh \lceil 4 \; x \rceil \; ) \; + \; c \; Cosh \lceil 4 \; x \rceil \; ) \; + \; c \; Cosh \lceil 4 \; x \rceil \; ) \; + \; c \; Cosh \lceil 4 \; x \rceil \; ) \; + \; c \; Cosh \lceil 4 \; x \rceil \; ) \; + \; c \; Cosh \lceil 4 \; x \rceil \; ) \; + \; c \; Cosh \lceil 4 \; x \rceil \; ) \; + \; c \; Cosh \lceil 4 \; x \rceil \; ) \; + \; c \; Cosh \lceil 4 \; x \rceil \; ) \; + \; c \; Cosh \lceil 4 \; x \rceil \; ) \; + \; c \; Cosh \lceil 4 \; x \rceil \; ) \; + \; c \; Cosh \lceil 4 \; x \rceil \; ) \; + \; c \; Cosh \lceil 4 \; x
                                                                   c(3a-b+3c+4aCosh[2x]-4cCosh[2x]+aCosh[4x]+bCosh[4x]+cCosh[4x])
                   \sqrt{\left(\frac{1}{a+b+c}\left(-4 \, a-2 \, b+\sqrt{2} \, \sqrt{\left(2 \, b^2-8 \, a \, c+a \, \left(3 \, a-b+3 \, c+4 \, a \, \text{Cosh} \left[2 \, x\right]-4 \, c \, \text{Cosh} \left[2 \, x\right]+a \, \text{Cosh} \left[4 \, x\right]+b \, \text{Cosh} \left[4 \, x\right]
                                                                                                                                                                                                           \texttt{c} \; \texttt{Cosh[4\,x])} \; + \; \texttt{b} \; (3\;\texttt{a} \; - \; \texttt{b} \; + \; 3\;\texttt{c} \; + \; 4\;\texttt{a} \; \texttt{Cosh[2\,x]} \; - \; 4\;\texttt{c} \; \texttt{Cosh[2\,x]} \; + \; \texttt{a} \; \texttt{Cosh[4\,x]} \; + \; \texttt{b} \; \texttt{Cosh[4\,x]} \; + \; \texttt{c} \; \texttt{Cosh[4\,x]}) \; + \; \texttt{c} \; \texttt{cosh[4\,x]} \; + \; \texttt{cosh[4\,x]} \; 
                                                                                                                                                             c (3 a - b + 3 c + 4 a Cosh[2 x] - 4 c Cosh[2 x] + a Cosh[4 x] + b Cosh[4 x] + c Cosh[4 x]))
                        \left(-2\,a + 2\,c + \sqrt{2}\,\,\sqrt{\left(2\,b^2 - 8\,a\,c + a\,\left(3\,a - b + 3\,c + 4\,a\,Cosh[2\,x] - 4\,c\,Cosh[2\,x] + a\,Cosh[4\,x] + b\,Cosh[4\,x] + b\,Cosh[4\,x] + c\,Cosh[4\,x]\right) + a\,Cosh[4\,x] + b\,Cosh[4\,x] + b\,Cosh[4\,x] + c\,Cosh[4\,x] + c\,C
                                                                                                                b \; (3\; a - b + 3\; c + 4\; a\; Cosh[2\; x] \; - \; 4\; c\; Cosh[2\; x] \; + \; a\; Cosh[\; 4\; x] \; + \; b\; Cosh[\; 4\; x] \; + \; c\; Cosh[\; 4\; x] \; ) \; + \; c\; Cosh[\; 4\; x] \; ) \; + \; c\; Cosh[\; 4\; x] \; ) \; + \; c\; Cosh[\; 4\; x] \; ) \; + \; c\; Cosh[\; 4\; x] \; ) \; + \; c\; Cosh[\; 4\; x] \; ) \; + \; c\; Cosh[\; 4\; x] \; ) \; + \; c\; Cosh[\; 4\; x] \; ) \; + \; c\; Cosh[\; 4\; x] \; ) \; + \; c\; Cosh[\; 4\; x] \; ) \; + \; c\; Cosh[\; 4\; x] \; ) \; + \; c\; Cosh[\; 4\; x] \; ) \; + \; c\; Cosh[\; 4\; x] \; ) \; + \; c\; Cosh[\; 4\; x] \; ) \; + \; c\; Cosh[\; 4\; x] \; ) \; + \; c\; Cosh[\; 4\; x] \; ) \; + \; c\; Cosh[\; 4\; x] \; ) \; + \; c\; Cosh[\; 4\; x] \; ) \; + \; c\; Cosh[\; 4\; x] \; ) \; + \; c\; Cosh[\; 4\; x] \; ) \; + \; c\; Cosh[\; 4\; x] \; ) \; + \; c\; Cosh[\; 4\; x] \; ) \; + \; c\; Cosh[\; 4\; x] \; ) \; + \; c\; Cosh[\; 4\; x] \; ) \; + \; c\; Cosh[\; 4\; x] \; ) \; + \; c\; Cosh[\; 4\; x] \; ) \; + \; c\; Cosh[\; 4\; x] \; ) \; + \; c\; Cosh[\; 4\; x] \; ) \; + \; c\; Cosh[\; 4\; x] \; ) \; + \; c\; Cosh[\; 4\; x] \; ) \; + \; c\; Cosh[\; 4\; x] \; ) \; + \; c\; Cosh[\; 4\; x] \; ) \; + \; c\; Cosh[\; 4\; x] \; ) \; + \; c\; Cosh[\; 4\; x] \; ) \; + \; c\; Cosh[\; 4\; x] \; ) \; + \; c\; Cosh[\; 4\; x] \; ) \; + \; c\; Cosh[\; 4\; x] \; ) \; + \; c\; Cosh[\; 4\; x] \; ) \; + \; c\; Cosh[\; 4\; x] \; ) \; + \; c\; Cosh[\; 4\; x] \; ) \; + \; c\; Cosh[\; 4\; x] \; ) \; + \; c\; Cosh[\; 4\; x] \; ) \; + \; c\; Cosh[\; 4\; x] \; ) \; + \; c\; Cosh[\; 4\; x] \; ) \; + \; c\; Cosh[\; 4\; x] \; ) \; + \; c\; Cosh[\; 4\; x] \; ) \; + \; c\; Cosh[\; 4\; x] \; ) \; + \; c\; Cosh[\; 4\; x] \; ) \; + \; c\; Cosh[\; 4\; x] \; ) \; + \; c\; Cosh[\; 4\; x] \; ) \; + \; c\; Cosh[\; 4\; x] \; ) \; + \; c\; Cosh[\; 4\; x] \; ) \; + \; c\; Cosh[\; 4\; x] \; ) \; + \; c\; Cosh[\; 4\; x] \; ) \; + \; c\; Cosh[\; 4\; x] \; ) \; + \; c\; Cosh[\; 4\; x] \; ) \; + \; c\; Cosh[\; 4\; x] \; ) \; + \; c\; Cosh[\; 4\; x] \; ) \; + \; c\; Cosh[\; 4\; x] \; ) \; + \; c\; Cosh[\; 4\; x] \; ) \; + \; c\; Cosh[\; 4\; x] \; ) \; + \; c\; Cosh[\; 4\; x] \; ) \; + \; c\; Cosh[\; 4\; x] \; ) \; + \; c\; Cosh[\; 4\; x] \; ) \; + \; c\; Cosh[\; 4\; x] \; ) \; + \; c\; Cosh[\; 4\; x] \; ) \; + \; c\; Cosh[\; 4\; x] \; ) \; + \; c\; Cosh[\; 4\; x] \; ) \; + \; c\; Cosh[\; 4\; x] \; ) \; + \; c\; Cosh[\; 4\; x] \; ) \; + \; c\; Cosh[\; 4\; x] \; + \; c\; Cosh[\; 4\; x] \; ) \; + \; c\; Cosh[\; 4\; x] \; + \; c\; Cosh[\; 4\; x] \; + \; c\; Cosh[\; 4\; x] \; 
                                                                                                               c (3 a - b + 3 c + 4 a Cosh[2 x] - 4 c Cosh[2 x] + a Cosh[4 x] + b Cosh[4 x] + c Cosh[4 x]))
                   \sqrt{\left[-1 + \frac{1}{2(a+b+c)} \left(-2a+2c+\sqrt{2}\sqrt{2b^2-8ac+a(3a-b+3c+4aCosh[2x]-4cCosh[2x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCos
                                                                                                                                                                                                                            b \cosh[4x] + c \cosh[4x] + b (3a - b + 3c + 4a \cosh[2x] - 4c \cosh[2x] + a \cosh[4x] + b \cosh[4
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c \, Cosh[4x]) + c \, (3a - b + 3c + 4a \, Cosh[2x] - 4c \, Cosh[2x] + a \, Cosh[4x] + b \, Cosh[4x] + c \, Cosh[4x]))
\sqrt{\left[1 + \frac{1}{2(a+b+c)}\left[-2a+2c+\sqrt{2}\sqrt{(2b^2-8ac+a(3a-b+3c+4aCosh[2x]-4cCosh[2x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh
                                                                                                                                     b \cosh[4x] + c \cosh[4x]) + b (3a - b + 3c + 4a \cosh[2x] - 4c \cosh[2x] + a \cosh[4x] + b \cosh[
                                                                                                                                    \sqrt{(3 \, a - b + 3 \, c + 4 \, (a - c) \, Cosh[2 \, x] + (a + b + c) \, Cosh[4 \, x]) \, Sech[x]^4} \, - \, \left| c \, Cosh[2 \, x] + (a + b + c) \, Cosh[4 \, x] + (a + b + c) \, Cosh[4 \, x] + (a + b + c) \, Cosh[4 \, x] + (a + b + c) \, Cosh[4 \, x] + (a + b + c) \, Cosh[4 \, x] + (a + b + c) \, Cosh[4 \, x] + (a + b + c) \, Cosh[4 \, x] + (a + b + c) \, Cosh[4 \, x] + (a + b + c) \, Cosh[4 \, x] + (a + b + c) \, Cosh[4 \, x] + (a + b + c) \, Cosh[4 \, x] + (a + b + c) \, Cosh[4 \, x] + (a + b + c) \, Cosh[4 \, x] + (a + b + c) \, Cosh[4 \, x] + (a + b + c) \, Cosh[4 \, x] + (a + b + c) \, Cosh[4 \, x] + (a + b + c) \, Cosh[4 \, x] + (a + b + c) \, Cosh[4 \, x] + (a + b + c) \, Cosh[4 \, x] + (a + b + c) \, Cosh[4 \, x] + (a + b + c) \, Cosh[4 \, x] + (a + b + c) \, Cosh[4 \, x] + (a + b + c) \, Cosh[4 \, x] + (a + b + c) \, Cosh[4 \, x] + (a + b + c) \, Cosh[4 \, x] + (a + b + c) \, Cosh[4 \, x] + (a + b + c) \, Cosh[4 \, x] + (a + b + c) \, Cosh[4 \, x] + (a + b + c) \, Cosh[4 \, x] + (a + b + c) \, Cosh[4 \, x] + (a + b + c) \, Cosh[4 \, x] + (a + b + c) \, Cosh[4 \, x] + (a + b + c) \, Cosh[4 \, x] + (a + b + c) \, Cosh[4 \, x] + (a + b + c) \, Cosh[4 \, x] + (a + b + c) \, Cosh[4 \, x] + (a + b + c) \, Cosh[4 \, x] + (a + b + c) \, Cosh[4 \, x] + (a + b + c) \, Cosh[4 \, x] + (a + b + c) \, Cosh[4 \, x] + (a + b + c) \, Cosh[4 \, x] + (a + b + c) \, Cosh[4 \, x] + (a + b + c) \, Cosh[4 \, x] + (a + b + c) \, Cosh[4 \, x] + (a + b + c) \, Cosh[4 \, x] + (a + b + c) \, Cosh[4 \, x] + (a + b + c) \, Cosh[4 \, x] + (a + b + c) \, Cosh[4 \, x] + (a + b + c) \, Cosh[4 \, x] + (a + b + c) \, Cosh[4 \, x] + (a + b + c) \, Cosh[4 \, x] + (a + b + c) \, Cosh[4 \, x] + (a + b + c) \, Cosh[4 \, x] + (a + b + c) \, Cosh[4 \, x] + (a + b + c) \, Cosh[4 \, x] + (a + b + c) \, Cosh[4 \, x] + (a + b + c) \, Cosh[4 \, x] + (a + b + c) \, Cosh[4 \, x] + (a + b + c) \, Cosh[4 \, x] + (a + b + c) \, Cosh[4 \, x] + (a + b + c) \, Cosh[4 \, x] + (a + b + c) \, Cosh[4 \, x] + (a + b + c) \, Cosh[4 \, x] + (a + b + c) \, Cosh[4 \, x] + (a + b + c) \, Cosh[4 \, x] + (a + b + c) \, Cosh[4 \, x] + (a + b + c) \, Cosh[4 \, x] + (a + b + c) \, Cosh[4 \, x] + (a + b + c) \, Cosh[4 \,
     (3 a - b + 3 c + 4 (a - c) Cosh[2x] + (a + b + c) Cosh[4x])
       2 \text{ a} \sqrt{3 \text{ a} - \text{b} + 3 \text{ c} + 4 \text{ a} \text{ Cosh}[2 \text{ x}] - 4 \text{ c} \text{ Cosh}[2 \text{ x}] + \text{a} \text{ Cosh}[4 \text{ x}] + \text{b} \text{ Cosh}[4 \text{ x}] + \text{c} \text{ Cosh}[4 \text{ x}] + \text{c} \text{ Cosh}[4 \text{ x}]}
                     2 b \sqrt{3} a - b + 3 c + 4 a Cosh[2 x] - 4 c Cosh[2 x] + a Cosh[4 x] + b Cosh[4 x] + c Cosh[4 x] + c Cosh[4 x]
                     2 c \sqrt{3 a - b + 3 c + 4 a Cosh[2 x] - 4 c Cosh[2 x] + a Cosh[4 x] + b Cosh[4 x] + c Cosh[4 x]}
 \sqrt{\left[\frac{1}{a+b+a}\left(2\,b+4\,c+\sqrt{2}\,\sqrt{\left(2\,b^2-8\,a\,c+a\,\left(3\,a-b+3\,c+4\,a\,Cosh[2\,x]-4\,c\,Cosh[2\,x]+a\,Cosh[4\,x]+b\,Cosh[4\,x]\right)\right]}\right]}
                                                                                                                          \texttt{c} \; \texttt{Cosh} \; [\; 4 \; \mathbf{x} \; ] \; ) \; + \; b \; (\; 3 \; a \; - \; b \; + \; 3 \; c \; + \; 4 \; a \; \texttt{Cosh} \; [\; 2 \; \mathbf{x} \; ] \; - \; 4 \; c \; \texttt{Cosh} \; [\; 2 \; \mathbf{x} \; ] \; + \; a \; \texttt{Cosh} \; [\; 4 \; \mathbf{x} \; ] \; + \; b \; \texttt{Cosh} \; [\; 4 \; \mathbf{x} \; ] \; + \; c \; \texttt{Cosh} \; [\; 4 \; \mathbf{x} \; ] \; ) \; + \; b \; \texttt{Cosh} \; [\; 4 \; \mathbf{x} \; ] \; + \; c \; \texttt{Cosh} \; [\; 4 \; \mathbf{x} \; ] \; + \; c \; \texttt{Cosh} \; [\; 4 \; \mathbf{x} \; ] \; + \; c \; \texttt{Cosh} \; [\; 4 \; \mathbf{x} \; ] \; + \; c \; \texttt{Cosh} \; [\; 4 \; \mathbf{x} \; ] \; + \; c \; \texttt{Cosh} \; [\; 4 \; \mathbf{x} \; ] \; + \; c \; \texttt{Cosh} \; [\; 4 \; \mathbf{x} \; ] \; + \; c \; \texttt{Cosh} \; [\; 4 \; \mathbf{x} \; ] \; + \; c \; \texttt{Cosh} \; [\; 4 \; \mathbf{x} \; ] \; + \; c \; \texttt{Cosh} \; [\; 4 \; \mathbf{x} \; ] \; + \; c \; \texttt{Cosh} \; [\; 4 \; \mathbf{x} \; ] \; + \; c \; \texttt{Cosh} \; [\; 4 \; \mathbf{x} \; ] \; + \; c \; \texttt{Cosh} \; [\; 4 \; \mathbf{x} \; ] \; + \; c \; \texttt{Cosh} \; [\; 4 \; \mathbf{x} \; ] \; + \; c \; \texttt{Cosh} \; [\; 4 \; \mathbf{x} \; ] \; + \; c \; \texttt{Cosh} \; [\; 4 \; \mathbf{x} \; ] \; + \; c \; \texttt{Cosh} \; [\; 4 \; \mathbf{x} \; ] \; + \; c \; \texttt{Cosh} \; [\; 4 \; \mathbf{x} \; ] \; + \; c \; \texttt{Cosh} \; [\; 4 \; \mathbf{x} \; ] \; + \; c \; \texttt{Cosh} \; [\; 4 \; \mathbf{x} \; ] \; + \; c \; \texttt{Cosh} \; [\; 4 \; \mathbf{x} \; ] \; + \; c \; \texttt{Cosh} \; [\; 4 \; \mathbf{x} \; ] \; + \; c \; \texttt{Cosh} \; [\; 4 \; \mathbf{x} \; ] \; + \; c \; \texttt{Cosh} \; [\; 4 \; \mathbf{x} \; ] \; + \; c \; \texttt{Cosh} \; [\; 4 \; \mathbf{x} \; ] \; + \; c \; \texttt{Cosh} \; [\; 4 \; \mathbf{x} \; ] \; + \; c \; \texttt{Cosh} \; [\; 4 \; \mathbf{x} \; ] \; + \; c \; \texttt{Cosh} \; [\; 4 \; \mathbf{x} \; ] \; + \; c \; \texttt{Cosh} \; [\; 4 \; \mathbf{x} \; ] \; + \; c \; \texttt{Cosh} \; [\; 4 \; \mathbf{x} \; ] \; + \; c \; \texttt{Cosh} \; [\; 4 \; \mathbf{x} \; ] \; + \; c \; \texttt{Cosh} \; [\; 4 \; \mathbf{x} \; ] \; + \; c \; \texttt{Cosh} \; [\; 4 \; \mathbf{x} \; ] \; + \; c \; \texttt{Cosh} \; [\; 4 \; \mathbf{x} \; ] \; + \; c \; \texttt{Cosh} \; [\; 4 \; \mathbf{x} \; ] \; + \; c \; \texttt{Cosh} \; [\; 4 \; \mathbf{x} \; ] \; + \; c \; \texttt{Cosh} \; [\; 4 \; \mathbf{x} \; ] \; + \; c \; \texttt{Cosh} \; [\; 4 \; \mathbf{x} \; ] \; + \; c \; \texttt{Cosh} \; [\; 4 \; \mathbf{x} \; ] \; + \; c \; \texttt{Cosh} \; [\; 4 \; \mathbf{x} \; ] \; + \; c \; \texttt{Cosh} \; [\; 4 \; \mathbf{x} \; ] \; + \; c \; \texttt{Cosh} \; [\; 4 \; \mathbf{x} \; ] \; + \; c \; \texttt{Cosh} \; [\; 4 \; \mathbf{x} \; ] \; + \; c \; \texttt{Cosh} \; [\; 4 \; \mathbf{x} \; ] \; + \; c \; \texttt{Cosh} \; [\; 4 \; \mathbf{x} \; ] \; + \; c \; \texttt{Cosh} \; [\; 4 \; \mathbf{x} \; ] \; + \; c \; \texttt{Cosh} \; [\; 4 \; \mathbf{x} \; ] \; + \; c \; \texttt{Cosh} \; [\; 4 \; \mathbf{x} \; ] \; + \; c \; \texttt{Cosh} \; [\; 4 \; \mathbf{x} \; ] \; + \; c \; \texttt{
                                                                                            c (3 a - b + 3 c + 4 a Cosh[2 x] - 4 c Cosh[2 x] + a Cosh[4 x] + b Cosh[4 x] + c Cosh[4 x]))
          ArcTanh \left[ \begin{array}{c} \sqrt{3 \text{ a-b+3 c+4 a } Cosh[2 \text{ x}] - 4 \text{ c } Cosh[2 \text{ x}] + a Cosh[4 \text{ x}] + b Cosh[4 \text{ x}] + c Cosh[4 \text{ x}]} \\ - \frac{1}{2} + \frac{1}{2} +
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      -\frac{1}{\sqrt{\pi}} ArcTanh
                                              \left( (b + 2 c) \sqrt{3 a - b + 3 c + 4 a \cosh[2 x] - 4 c \cosh[2 x] + a \cosh[4 x] + b \cosh[4 x] + c \cosh[4 x]} \right) / (b + 2 c) \sqrt{3 a - b + 3 c + 4 a \cosh[2 x] - 4 c \cosh[2 x]} 
                                                      2\sqrt{c}\sqrt{(2b^2-8ac+a(3a-b+3c+4aCosh[2x]-4cCosh[2x]+aCosh[4x]+bCosh[4x]+cCosh[4x])}
                                                                                                      b \; (3 \; a \; - \; b \; + \; 3 \; c \; + \; 4 \; a \; Cosh [\; 2 \; x\;] \; - \; 4 \; c \; Cosh [\; 2 \; x\;] \; + \; a \; Cosh [\; 4 \; x\;] \; + \; b \; Cosh [\; 4 \; x\;] \; + \; c \; Cosh [\; 4 \; x\;] \; ) \; + \; c \; Cosh [\; 4 \; x\;] \; + \; b \; Cosh [\; 4 \; x\;] \; + \; b \; Cosh [\; 4 \; x\;] \; + \; b \; Cosh [\; 4 \; x\;] \; + \; b \; Cosh [\; 4 \; x\;] \; + \; b \; Cosh [\; 4 \; x\;] \; + \; b \; Cosh [\; 4 \; x\;] \; + \; b \; Cosh [\; 4 \; x\;] \; + \; b \; Cosh [\; 4 \; x\;] \; + \; b \; Cosh [\; 4 \; x\;] \; + \; b \; Cosh [\; 4 \; x\;] \; + \; b \; Cosh [\; 4 \; x\;] \; + \; b \; Cosh [\; 4 \; x\;] \; + \; b \; Cosh [\; 4 \; x\;] \; + \; b \; Cosh [\; 4 \; x\;] \; + \; b \; Cosh [\; 4 \; x\;] \; + \; b \; Cosh [\; 4 \; x\;] \; + \; b \; Cosh [\; 4 \; x\;] \; + \; b \; Cosh [\; 4 \; x\;] \; + \; b \; Cosh [\; 4 \; x\;] \; + \; b \; Cosh [\; 4 \; x\;] \; + \; b \; Cosh [\; 4 \; x\;] \; + \; b \; Cosh [\; 4 \; x\;] \; + \; b \; Cosh [\; 4 \; x\;] \; + \; b \; Cosh [\; 4 \; x\;] \; + \; b \; Cosh [\; 4 \; x\;] \; + \; b \; Cosh [\; 4 \; x\;] \; + \; b \; Cosh [\; 4 \; x\;] \; + \; b \; Cosh [\; 4 \; x\;] \; + \; b \; Cosh [\; 4 \; x\;] \; + \; b \; Cosh [\; 4 \; x\;] \; + \; b \; Cosh [\; 4 \; x\;] \; + \; b \; Cosh [\; 4 \; x\;] \; + \; b \; Cosh [\; 4 \; x\;] \; + \; b \; Cosh [\; 4 \; x\;] \; + \; b \; Cosh [\; 4 \; x\;] \; + \; b \; Cosh [\; 4 \; x\;] \; + \; b \; Cosh [\; 4 \; x\;] \; + \; b \; Cosh [\; 4 \; x\;] \; + \; b \; Cosh [\; 4 \; x\;] \; + \; b \; Cosh [\; 4 \; x\;] \; + \; b \; Cosh [\; 4 \; x\;] \; + \; b \; Cosh [\; 4 \; x\;] \; + \; b \; Cosh [\; 4 \; x\;] \; + \; b \; Cosh [\; 4 \; x\;] \; + \; b \; Cosh [\; 4 \; x\;] \; + \; b \; Cosh [\; 4 \; x\;] \; + \; b \; Cosh [\; 4 \; x\;] \; + \; b \; Cosh [\; 4 \; x\;] \; + \; b \; Cosh [\; 4 \; x\;] \; + \; b \; Cosh [\; 4 \; x\;] \; + \; b \; Cosh [\; 4 \; x\;] \; + \; b \; Cosh [\; 4 \; x\;] \; + \; b \; Cosh [\; 4 \; x\;] \; + \; b \; Cosh [\; 4 \; x\;] \; + \; b \; Cosh [\; 4 \; x\;] \; + \; b \; Cosh [\; 4 \; x\;] \; + \; b \; Cosh [\; 4 \; x\;] \; + \; b \; Cosh [\; 4 \; x\;] \; + \; b \; Cosh [\; 4 \; x\;] \; + \; b \; Cosh [\; 4 \; x\;] \; + \; b \; Cosh [\; 4 \; x\;] \; + \; b \; Cosh [\; 4 \; x\;] \; + \; b \; Cosh [\; 4 \; x\;] \; + \; b \; Cosh [\; 4 \; x\;] \; + \; b \; Cosh [\; 4 \; x\;] \; + \; b \; Cosh [\; 4 \; x\;] \; + \; b \; Cosh [\; 4 \; x\;] \; + \; b \; Cosh [\; 4 \; x\;] \; + \; b \; Cosh [\; 4 \; x\;] \; + \; b \; Cosh [\; 4 \; x\;] \; + \; b \; Cosh [\; 4 \; x\;]
                                                                                                      c(3a-b+3c+4aCosh[2x]-4cCosh[2x]+aCosh[4x]+bCosh[4x]+cCosh[4x])))
                       \frac{1}{\sqrt{a+b+c}} 2 \log \left[ 2 \left( a \sqrt{3 a-b+3 c+4 a \cosh[2 x]-4 c \cosh[2 x]+a \cosh[4 x]+b \cosh[4 x]+c \cosh[4 x]} \right. + 
                                                                                  b\sqrt{3}a - b + 3c + 4a Cosh[2x] - 4c Cosh[2x] + a Cosh[4x] + b Cosh[4x] + c Cosh[4x] + c Cosh[4x]
                                                                                             \sqrt{3} a - b + 3 c + 4 a Cosh[2 x] - 4 c Cosh[2 x] + a Cosh[4 x] + b Cosh[4 x] + c Cosh[4 x] + \sqrt{a + b + c}
                                                                                             \sqrt{(2b^2 - 8ac + a(3a - b + 3c + 4aCosh[2x] - 4cCosh[2x] + aCosh[4x] + bCosh[4x] + cCosh[4x]) + aCosh[4x]}
                                                                                                                          c (3 a - b + 3 c + 4 a Cosh[2 x] - 4 c Cosh[2 x] + a Cosh[4 x] + b Cosh[4 x] + c Cosh[4 x])) Sech[x]<sup>2</sup>
```

```
b \operatorname{Sech}[x]^2 \operatorname{Sinh}[2x]
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               c Sech[x]^2 Sinh[2x]
                            \sqrt{3} a - b + 3 c + 4 (a - c) Cosh[2 x] + (a + b + c) Cosh[4 x] \sqrt{3} a - b + 3 c + 4 (a - c) Cosh[2 x] + (a + b + c) Cosh[4 x]
                                                                                                                                                                 c Cosh[2x] Sech[x]^2 Sinh[2x]
                                         \sqrt{3 a - b + 3 c + 4 (a - c) Cosh[2x] + (a + b + c) Cosh[4x]}
                (4 \text{ a Sinh}[2 \text{ x}] - 4 \text{ c Sinh}[2 \text{ x}] + 2 \text{ a Sinh}[4 \text{ x}] + 2 \text{ b Sinh}[4 \text{ x}] + 2 \text{ c Sinh}[4 \text{ x}])
                (8 \, a \, Sinh[2 \, x] \, - \, 8 \, c \, Sinh[2 \, x] \, + \, 4 \, a \, Sinh[4 \, x] \, + \, 4 \, b \, Sinh[4 \, x] \, + \, 4 \, c \, Sinh[4 \, x] \, )
64 \; (b-c+c \; Cosh[2 \; x]) \; (3 \; a-b+3 \; c+4 \; a \; Cosh[2 \; x]-4 \; c \; Cosh[2 \; x]+a \; Cosh[4 \; x]+b \; Cosh[4 \; x]+c \; Cosh[4 \; x])^{3/2}
               \sqrt{(2b^2 - 8ac + a(3a - b + 3c + 4aCosh[2x] - 4cCosh[2x] + aCosh[4x] + bCosh[4x] + cCosh[4x])}
                                              b (3a - b + 3c + 4a Cosh[2x] - 4c Cosh[2x] + a Cosh[4x] + b Cosh[4x] + c Cosh[4x]) +
                                                   \verb|c| (3 a - b + 3 c + 4 a Cosh[2 x] - 4 c Cosh[2 x] + a Cosh[4 x] + b Cosh[4 x] + c Cosh[4 x])) | 
             \sqrt{\left(\frac{1}{a+b+c}\left(-4 \text{ a} - 2 \text{ b} + \sqrt{2} \sqrt{(2 \text{ b}^2 - 8 \text{ a} \text{ c} + \text{ a} (3 \text{ a} - \text{ b} + 3 \text{ c} + 4 \text{ a} \text{ Cosh}[2 \text{ x}] - 4 \text{ c} \text{ Cosh}[2 \text{ x}] + \text{ a} \text{ Cosh}[4 \text{ x}] + \text{ b} \text{ Cosh}[4 \text{ x}] + \text{ b} \text{ Cosh}[4 \text{ x}] + \text{ b} \text{ Cosh}[4 \text{ x}] + \text{ cosh}[4 \text{ x
                                                                                                                                                          \texttt{c} \; \texttt{Cosh[4\,x])} \; + \; \texttt{b} \; (3\;\texttt{a} \; - \; \texttt{b} \; + \; 3\;\texttt{c} \; + \; 4\;\texttt{a} \; \texttt{Cosh[2\,x]} \; - \; 4\;\texttt{c} \; \texttt{Cosh[2\,x]} \; + \; \texttt{a} \; \texttt{Cosh[4\,x]} \; + \; \texttt{b} \; \texttt{Cosh[4\,x]} \; + \; \texttt{c} \; \texttt{Cosh[4\,x]}) \; + \; \texttt{c} \; \texttt{cosh[4\,x]} \; + \; \texttt{cosh[4\,x]} \; 
                                                                                                                       c (3 a - b + 3 c + 4 a Cosh[2 x] - 4 c Cosh[2 x] + a Cosh[4 x] + b Cosh[4 x] + c Cosh[4 x]))
                  \left(-2\,a + 2\,c + \sqrt{2}\,\,\sqrt{\left(2\,b^2 - 8\,a\,c + a\,\left(3\,a - b + 3\,c + 4\,a\,Cosh[2\,x] - 4\,c\,Cosh[2\,x] + a\,Cosh[4\,x] + b\,Cosh[4\,x] + c\,Cosh[4\,x]\right)} + c\,Cosh[4\,x]\right) + c\,Cosh[4\,x]
                                                                                   \texttt{b} \; ( \; 3 \; \texttt{a} \; - \; \texttt{b} \; + \; 3 \; \texttt{c} \; + \; 4 \; \texttt{a} \; \texttt{Cosh}[\; 2 \; \texttt{x}] \; - \; 4 \; \texttt{c} \; \texttt{Cosh}[\; 2 \; \texttt{x}] \; + \; \texttt{a} \; \texttt{Cosh}[\; 4 \; \texttt{x}] \; + \; \texttt{b} \; \texttt{Cosh}[\; 4 \; \texttt{x}] \; + \; \texttt{c} \; \texttt{Cosh}[\; 4 \; \texttt{x}] \; ) \; + \; \texttt{cosh}[\; 4 \; \texttt{x}] \; ) \; + \; \texttt{cosh}[\; 4 \; \texttt{x}] \; + \; \texttt{cosh}[\; 4 \; \texttt{
                                                                                   c(3a-b+3c+4aCosh[2x]-4cCosh[2x]+aCosh[4x]+bCosh[4x]+cCosh[4x]))
               \sqrt{\left[-1 + \frac{1}{2(a+b+c)} \left(-2a+2c+\sqrt{2}\sqrt{2b^2-8ac+a(3a-b+3c+4aCosh[2x]-4cCosh[2x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCos
                                                                                                                                                                       b \, Cosh[4 \, x] + c \, Cosh[4 \, x]) + b \, (3 \, a - b + 3 \, c + 4 \, a \, Cosh[2 \, x] - 4 \, c \, Cosh[2 \, x] + a \, Cosh[4 \, x] + b \, Cosh[4 \,
                                                                                                                                                                      c \cosh[4x] + c (3a - b + 3c + 4a \cosh[2x] - 4c \cosh[2x] + a \cosh[4x] + b \cosh[4x] + c \cosh[4x])
             \sqrt{1 + \frac{1}{2(a+b+c)}} \left( -2a + 2c + \sqrt{2} \sqrt{2b^2 - 8ac + a(3a-b+3c+4a\cosh[2x] - 4c\cosh[2x] + a\cosh[4x] + \frac{1}{2(a+b+c)} \sqrt{1 + \frac{1}{2(a+b+c)}} \right) + \frac{1}{2(a+b+c)} \left( -2a + 2c + \sqrt{2} \sqrt{2b^2 - 8ac + a(3a-b+3c+4a\cosh[2x] - 4c\cosh[2x] + a\cosh[4x] + \frac{1}{2(a+b+c)} \sqrt{1 + \frac{1}{2(a+b+c)}} \right) + \frac{1}{2(a+b+c)} \left( -2a + 2c + \sqrt{2} \sqrt{2b^2 - 8ac + a(3a-b+3c+4a\cosh[2x] - 4c\cosh[2x] + a\cosh[4x] + \frac{1}{2(a+b+c)} \sqrt{1 + \frac{1}{2(a+b+c)}} \right) + \frac{1}{2(a+b+c)} \left( -2a + 2c + \sqrt{2} \sqrt{2b^2 - 8ac + a(3a-b+3c+4a\cosh[2x] - 4c\cosh[2x] + a\cosh[2x] + a\cosh[4x] + \frac{1}{2(a+b+c)} \sqrt{1 + \frac{1}{2(a+b+c)}} \right) + \frac{1}{2(a+b+c)} \left( -2a + 2c + \sqrt{2} \sqrt{2b^2 - 8ac + a(3a-b+3c+4a\cosh[2x] - 4c\cosh[2x] + a\cosh[2x] + ah^2 +
                                                                                                                                                                      b\, Cosh[\, 4\, x] \, + c\, Cosh[\, 4\, x]\,) \, + b\, (\, 3\, a - b + 3\, c + 4\, a\, Cosh[\, 2\, x]\, - 4\, c\, Cosh[\, 2\, x]\, + a\, Cosh[\, 4\, x]\, + b\, Cosh[\, 4\, x]
                                                                                                                                                                       c \cosh[4x] + c (3a - b + 3c + 4a \cosh[2x] - 4c \cosh[2x] + a \cosh[4x] + b \cosh[4x] + c \cosh[4x])
               \sqrt{(3 \, a - b + 3 \, c + 4 \, (a - c) \, Cosh[2 \, x] + (a + b + c) \, Cosh[4 \, x])} \, - \, \left[ (b - c) \, (1 + Cosh[2 \, x]) \right]
                                      3 a - b + 3 c + (4 a - 4 c) Cosh[2x] + (a + b + c) Cosh[4x]
                                                                                                                                                                                                                          (1 + Cosh[2x])^2
                  (3 a - b + 3 c + 4 (a - c) Cosh[2x] + (a + b + c) Cosh[4x])
```

$$\begin{aligned} & \operatorname{Csch}(x) \\ & \operatorname{Log}\left[b + 2\operatorname{cTanh}[x]^2 + 2\sqrt{c} \sqrt{a + b\operatorname{Tanh}[x]^2 + c\operatorname{Tanh}[x]^4}\right] \\ & \operatorname{Sech}(x) \\ & & \\ &$$

```
2 c \sqrt{3 a - b + 3 c + 4 a \cosh[2 x] - 4 c \cosh[2 x] + a \cosh[4 x] + b \cosh[4 x] + c \cosh[4 x]}
            \sqrt{\left[\frac{1}{a+b+c}\left(2\,b+4\,c+\sqrt{2}\,\sqrt{\left(2\,b^2-8\,a\,c+a\,\left(3\,a-b+3\,c+4\,a\,Cosh[2\,x]-4\,c\,Cosh[2\,x]+a\,Cosh[4\,x]+b\,Cosh[4\,x]\right)\right]}\right]}
                                                                                                                              \texttt{c} \; \texttt{Cosh[4\,x]} \;) \; + \; \texttt{b} \; (3 \; \texttt{a} \; - \; \texttt{b} \; + \; 3 \; \texttt{c} \; + \; 4 \; \texttt{a} \; \texttt{Cosh[2\,x]} \; - \; 4 \; \texttt{c} \; \texttt{Cosh[2\,x]} \; + \; \texttt{a} \; \texttt{Cosh[4\,x]} \; + \; \texttt{b} \; \texttt{Cosh[4\,x]} \; + \; \texttt{c} \; \texttt{Cosh[4\,x]} \;) \; + \; \texttt{c} \; \texttt{cosh[4\,x]} \; + \; \texttt
                                                                                                 c (3 a - b + 3 c + 4 a Cosh[2 x] - 4 c Cosh[2 x] + a Cosh[4 x] + b Cosh[4 x] + c Cosh[4 x]))
                     \frac{1}{\sqrt{C}} ArcTanh
                                                      \left( \text{ (b + 2 c) } \sqrt{\text{ 3 a - b + 3 c + 4 a } \text{Cosh[2 x] - 4 c } \text{Cosh[2 x] + a } \text{Cosh[4 x] + b } \text{Cosh[4 x] + c } \text{Cosh[4 x]} \right) \\
                                                               \left(2\sqrt{c}\sqrt{(2b^2-8ac+a(3a-b+3c+4aCosh[2x]-4cCosh[2x]+aCosh[4x]+bCosh[4x]+cCosh[4x])}\right)
                                                                                                            \texttt{b} \; ( \; \texttt{3} \; \texttt{a} \; - \; \texttt{b} \; + \; \texttt{3} \; \texttt{c} \; + \; \texttt{4} \; \texttt{a} \; \texttt{Cosh}[ \; \texttt{2} \; \texttt{x} ] \; - \; \texttt{4} \; \texttt{c} \; \texttt{Cosh}[ \; \texttt{2} \; \texttt{x} ] \; + \; \texttt{a} \; \texttt{Cosh}[ \; \texttt{4} \; \texttt{x} ] \; + \; \texttt{b} \; \texttt{Cosh}[ \; \texttt{4} \; \texttt{x} ] \; + \; \texttt{c} \; \texttt{Cosh}[ \; \texttt{4} \; \texttt{x} ] \; ) \; + \; \texttt{cosh}[ \; \texttt{4} \; \texttt{x} ] \; + \; \texttt{cosh}[ \; \texttt{4} \; \texttt{x} ] \; + \; \texttt{cosh}[ \; \texttt{4} \; \texttt{x} ] \; + \; \texttt{cosh}[ \; \texttt{4} \; \texttt{x} ] \; + \; \texttt{cosh}[ \; \texttt{4} \; \texttt{x} ] \; + \; \texttt{cosh}[ \; \texttt{4} \; \texttt{x} ] \; + \; \texttt{cosh}[ \; \texttt{4} \; \texttt{x} ] \; + \; \texttt{cosh}[ \; \texttt{4} \; \texttt{x} ] \; + \; \texttt{cosh}[ \; \texttt{4} \; \texttt{x} ] \; + \; \texttt{cosh}[ \; \texttt{4} \; \texttt{x} ] \; + \; \texttt{cosh}[ \; \texttt{4} \; \texttt{x} ] \; + \; \texttt{cosh}[ \; \texttt{4} \; \texttt{x} ] \; + \; \texttt{cosh}[ \; \texttt{4} \; \texttt{x} ] \; + \; \texttt{cosh}[ \; \texttt{4} \; \texttt{x} ] \; + \; \texttt{cosh}[ \; \texttt{4} \; \texttt{x} ] \; + \; \texttt{cosh}[ \; \texttt{4} \; \texttt{x} ] \; + \; \texttt{cosh}[ \; \texttt{4} \; \texttt{x} ] \; + \; \texttt{cosh}[ \; \texttt{4} \; \texttt{x} ] \; + \; \texttt{cosh}[ \; \texttt{4} \; \texttt{x} ] \; + \; \texttt{cosh}[ \; \texttt{4} \; \texttt{x} ] \; + \; \texttt{cosh}[ \; \texttt{4} \; \texttt{x} ] \; + \; \texttt{cosh}[ \; \texttt{4} \; \texttt{x} ] \; + \; \texttt{cosh}[ \; \texttt{4} \; \texttt{x} ] \; + \; \texttt{cosh}[ \; \texttt{4} \; \texttt{x} ] \; + \; \texttt{cosh}[ \; \texttt{4} \; \texttt{x} ] \; + \; \texttt{cosh}[ \; \texttt{4} \; \texttt{x} ] \; + \; \texttt{cosh}[ \; \texttt{4} \; \texttt{x} ] \; + \; \texttt{cosh}[ \; \texttt{4} \; \texttt{x} ] \; + \; \texttt{cosh}[ \; \texttt{4} \; \texttt{x} ] \; + \; \texttt{cosh}[ \; \texttt{4} \; \texttt{x} ] \; + \; \texttt{cosh}[ \; \texttt{4} \; \texttt{x} ] \; + \; \texttt{cosh}[ \; \texttt{4} \; \texttt{x} ] \; + \; \texttt{cosh}[ \; \texttt{4} \; \texttt{x} ] \; + \; \texttt{cosh}[ \; \texttt{4} \; \texttt{x} ] \; + \; \texttt{cosh}[ \; \texttt{4} \; \texttt{x} ] \; + \; \texttt{cosh}[ \; \texttt{4} \; \texttt{x} ] \; + \; \texttt{cosh}[ \; \texttt{4} \; \texttt{x} ] \; + \; \texttt{cosh}[ \; \texttt{4} \; \texttt{x} ] \; + \; \texttt{cosh}[ \; \texttt{4} \; \texttt{x} ] \; + \; \texttt{cosh}[ \; \texttt{4} \; \texttt{x} ] \; + \; \texttt{cosh}[ \; \texttt{4} \; \texttt{x} ] \; + \; \texttt{cosh}[ \; \texttt{4} \; \texttt{x} ] \; + \; \texttt{cosh}[ \; \texttt{4} \; \texttt{4} \; \texttt{a} ] \; + \; \texttt{cosh}[ \; \texttt{4} \; \texttt{4} \; \texttt{a} ] \; + \; \texttt{cosh}[ \; \texttt{4} \; \texttt{4} \; \texttt{a} ] \; + \; \texttt{cosh}[ \; \texttt{4} \; \texttt{4} \; \texttt{a} ] \; + \; \texttt{cosh}[ \; \texttt{4} \; \texttt{4} \; \texttt{a} ] \; + \; \texttt{cosh}[ \; \texttt{4} \; \texttt{4} \; \texttt{a} ] \; + \; \texttt{cosh}[ \; \texttt{4} \; \texttt{4} \; \texttt{a} ] \; + \; \texttt{cosh}[ \; \texttt{4} \; \texttt{4} \; \texttt{a} ] \; + \; \texttt{cosh}[ \; \texttt{4} \; \texttt{4} \; \texttt{a} ] \; + \; \texttt{cosh}[ \; \texttt{4} \; \texttt{4} \; \texttt{a} ] \; + \; \texttt{cosh}[ \; \texttt{4} \; \texttt{4} \; \texttt{4} ] \; + \; \texttt{cosh}[ \; \texttt{4} \; \texttt{4} ] \; + \; \texttt{cosh}[ \; \texttt{4} \; \texttt{4} ] \;
                                                                                                           c(3a-b+3c+4aCosh[2x]-4cCosh[2x]+aCosh[4x]+bCosh[4x]+cCosh[4x])))
                                   \frac{1}{\sqrt{a+b+c}} 2 \log[2(a\sqrt{3}a-b+3c+4aCosh[2x]-4cCosh[2x]+aCosh[4x]+bCosh[4x]+cCosh[4x]} +
                                                                                        b\sqrt{3}a - b + 3c + 4a \cosh[2x] - 4c \cosh[2x] + a \cosh[4x] + b \cosh[4x] + c \cosh[4x] + c
                                                                                                   \sqrt{3} a - b + 3 c + 4 a Cosh [2 x] - 4 c Cosh [2 x] + a Cosh [4 x] + b Cosh [4 x] + c Cosh [4 x] + \sqrt{a + b + c}
                                                                                                   \sqrt{(2b^2 - 8ac + a(3a - b + 3c + 4aCosh[2x] - 4cCosh[2x] + aCosh[4x] + bCosh[4x] + cCosh[4x])}
                                                                                                                               b \; (3 \; a - b + 3 \; c + 4 \; a \; Cosh[2 \; x] \; - \; 4 \; c \; Cosh[2 \; x] \; + \; a \; Cosh[4 \; x] \; + \; b \; Cosh[4 \; x] \; + \; c \; Cosh[4 \; x] \; ) \; + \; c \; Cosh[4 \; x] \; ) \; + \; c \; Cosh[4 \; x] \; ) \; + \; c \; Cosh[4 \; x] \; ) \; + \; c \; Cosh[4 \; x] \; ) \; + \; c \; Cosh[4 \; x] \; ) \; + \; c \; Cosh[4 \; x] \; ) \; + \; c \; Cosh[4 \; x] \; ) \; + \; c \; Cosh[4 \; x] \; ) \; + \; c \; Cosh[4 \; x] \; ) \; + \; c \; Cosh[4 \; x] \; ) \; + \; c \; Cosh[4 \; x] \; ) \; + \; c \; Cosh[4 \; x] \; ) \; + \; c \; Cosh[4 \; x] \; ) \; + \; c \; Cosh[4 \; x] \; ) \; + \; c \; Cosh[4 \; x] \; ) \; + \; c \; Cosh[4 \; x] \; ) \; + \; c \; Cosh[4 \; x] \; ) \; + \; c \; Cosh[4 \; x] \; ) \; + \; c \; Cosh[4 \; x] \; ) \; + \; c \; Cosh[4 \; x] \; ) \; + \; c \; Cosh[4 \; x] \; ) \; + \; c \; Cosh[4 \; x] \; ) \; + \; c \; Cosh[4 \; x] \; ) \; + \; c \; Cosh[4 \; x] \; ) \; + \; c \; Cosh[4 \; x] \; ) \; + \; c \; Cosh[4 \; x] \; ) \; + \; c \; Cosh[4 \; x] \; ) \; + \; c \; Cosh[4 \; x] \; ) \; + \; c \; Cosh[4 \; x] \; ) \; + \; c \; Cosh[4 \; x] \; ) \; + \; c \; Cosh[4 \; x] \; ) \; + \; c \; Cosh[4 \; x] \; ) \; + \; c \; Cosh[4 \; x] \; ) \; + \; c \; Cosh[4 \; x] \; ) \; + \; c \; Cosh[4 \; x] \; ) \; + \; c \; Cosh[4 \; x] \; ) \; + \; c \; Cosh[4 \; x] \; ) \; + \; c \; Cosh[4 \; x] \; ) \; + \; c \; Cosh[4 \; x] \; ) \; + \; c \; Cosh[4 \; x] \; ) \; + \; c \; Cosh[4 \; x] \; ) \; + \; c \; Cosh[4 \; x] \; ) \; + \; c \; Cosh[4 \; x] \; ) \; + \; c \; Cosh[4 \; x] \; ) \; + \; c \; Cosh[4 \; x] \; ) \; + \; c \; Cosh[4 \; x] \; ) \; + \; c \; Cosh[4 \; x] \; ) \; + \; c \; Cosh[4 \; x] \; ) \; + \; c \; Cosh[4 \; x] \; ) \; + \; c \; Cosh[4 \; x] \; ) \; + \; c \; Cosh[4 \; x] \; + \; c \; Cosh[4 \; x] \; ) \; + \; c \; Cosh[4 \; x] \; + \; c \; Cosh[4 \; x] \; ) \; + \; c \; Cosh[4 \; x] 
                                                                                                                               c (3 \text{ a} - \text{b} + 3 \text{ c} + 4 \text{ a} \text{Cosh}[2 \text{ x}] - 4 \text{ c} \text{Cosh}[2 \text{ x}] + \text{a} \text{Cosh}[4 \text{ x}] + \text{b} \text{Cosh}[4 \text{ x}] + \text{c} \text{Cosh}[4 \text{ x}])) Sech [x]^2
                                                                                                                                                             b Sech[x]2 Sinh[2x]
                        \sqrt{3} a - b + 3 c + 4 (a - c) \cosh[2x] + (a + b + c) \cosh[4x] \sqrt{3} a - b + 3 c + 4 (a - c) \cosh[2x] + (a + b + c) \cosh[4x]
                                                                                                                                  c Cosh[2x] Sech[x]^2 Sinh[2x]
                                   \sqrt{3 a - b + 3 c + 4 (a - c) \cosh[2 x] + (a + b + c) \cosh[4 x]}
                (4 \text{ a Sinh}[2 \text{ x}] - 4 \text{ c Sinh}[2 \text{ x}] + 2 \text{ a Sinh}[4 \text{ x}] + 2 \text{ b Sinh}[4 \text{ x}] + 2 \text{ c Sinh}[4 \text{ x}])
             (8 (a-c) Sinh[2x] + 4 (a+b+c) Sinh[4x])
 \begin{array}{c} (1) & (2 \times 1) \times 1 \\ (32 \times 1) \times 1 \times 1 \times 1 \\ (32 \times 1) \times 1 \times 1 \times 1 \\ (32 \times 1) \times 1 \times 1 \times 1 \\ (32 \times 1) \times 1 \times 1 \times 1 \\ (32 \times 1) \times 1 \times 1 \times 1 \\ (32 \times 1) \times 1 \times 1 \times 1 \\ (32 \times 1) \times 1 \times 1 \times 1 \\ (32 \times 1) \times 1 \times 1 \times 1 \\ (32 \times 1) \times 1 \times 1 \times 1 \\ (32 \times 1) \times 1 \times 1 \times 1 \\ (32 \times 1) \times 1 \times 1 \times 1 \\ (32 \times 1) \times 1 \times 1 \times 1 \\ (32 \times 1) \times 1 \\ (32 \times 1) \times 1 \times 1 
             \sqrt{(2b^2 - 8 \text{ a c} + \text{ a } (3 \text{ a} - b + 3 \text{ c} + 4 \text{ a } \text{Cosh}[2 \text{ x}] - 4 \text{ c } \text{Cosh}[2 \text{ x}] + \text{a } \text{Cosh}[4 \text{ x}] + \text{b } \text{Cosh}[4 \text{ x}] + \text{c } \text{Cosh}[4 \text{ x}]))}
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b\;(3\;a-b+3\;c+4\;a\;Cosh[\,2\;x]\;-4\;c\;Cosh[\,2\;x]\;+a\;Cosh[\,4\;x]\;+b\;Cosh[\,4\;x]\;+c\;Cosh[\,4\;x]\;)\;+
                                                   c(3a-b+3c+4aCosh[2x]-4cCosh[2x]+aCosh[4x]+bCosh[4x]+cCosh[4x])
  \sqrt{\left[\frac{1}{a+b+c}\left(-4\,a-2\,b+\sqrt{2}\,\sqrt{\left(2\,b^2-8\,a\,c+a\,\left(3\,a-b+3\,c+4\,a\,Cosh\left[2\,x\right]-4\,c\,Cosh\left[2\,x\right]+a\,Cosh\left[4\,x\right]+b\,Cosh\left[4\,x\right]+b\,Cosh\left[4\,x\right]+b\,Cosh\left[4\,x\right]+b\,Cosh\left[4\,x\right]+b\,Cosh\left[4\,x\right]+b\,Cosh\left[4\,x\right]+b\,Cosh\left[4\,x\right]+b\,Cosh\left[4\,x\right]+b\,Cosh\left[4\,x\right]+b\,Cosh\left[4\,x\right]+b\,Cosh\left[4\,x\right]+b\,Cosh\left[4\,x\right]+b\,Cosh\left[4\,x\right]+b\,Cosh\left[4\,x\right]+b\,Cosh\left[4\,x\right]+b\,Cosh\left[4\,x\right]+b\,Cosh\left[4\,x\right]+b\,Cosh\left[4\,x\right]+b\,Cosh\left[4\,x\right]+b\,Cosh\left[4\,x\right]+b\,Cosh\left[4\,x\right]+b\,Cosh\left[4\,x\right]+b\,Cosh\left[4\,x\right]+b\,Cosh\left[4\,x\right]+b\,Cosh\left[4\,x\right]+b\,Cosh\left[4\,x\right]+b\,Cosh\left[4\,x\right]+b\,Cosh\left[4\,x\right]+b\,Cosh\left[4\,x\right]+b\,Cosh\left[4\,x\right]+b\,Cosh\left[4\,x\right]+b\,Cosh\left[4\,x\right]+b\,Cosh\left[4\,x\right]+b\,Cosh\left[4\,x\right]+b\,Cosh\left[4\,x\right]+b\,Cosh\left[4\,x\right]+b\,Cosh\left[4\,x\right]+b\,Cosh\left[4\,x\right]+b\,Cosh\left[4\,x\right]+b\,Cosh\left[4\,x\right]+b\,Cosh\left[4\,x\right]+b\,Cosh\left[4\,x\right]+b\,Cosh\left[4\,x\right]+b\,Cosh\left[4\,x\right]+b\,Cosh\left[4\,x\right]+b\,Cosh\left[4\,x\right]+b\,Cosh\left[4\,x\right]+b\,Cosh\left[4\,x\right]+b\,Cosh\left[4\,x\right]+b\,Cosh\left[4\,x\right]+b\,Cosh\left[4\,x\right]+b\,Cosh\left[4\,x\right]+b\,Cosh\left[4\,x\right]+b\,Cosh\left[4\,x\right]+b\,Cosh\left[4\,x\right]+b\,Cosh\left[4\,x\right]+b\,Cosh\left[4\,x\right]+b\,Cosh\left[4\,x\right]+b\,Cosh\left[4\,x\right]+b\,Cosh\left[4\,x\right]+b\,Cosh\left[4\,x\right]+b\,Cosh\left[4\,x\right]+b\,Cosh\left[4\,x\right]+b\,Cosh\left[4\,x\right]+b\,Cosh\left[4\,x\right]+b\,Cosh\left[4\,x\right]+b\,Cosh\left[4\,x\right]+b\,Cosh\left[4\,x\right]+b\,Cosh\left[4\,x\right]+b\,Cosh\left[4\,x\right]+b\,Cosh\left[4\,x\right]+b\,Cosh\left[4\,x\right]+b\,Cosh\left[4\,x\right]+b\,Cosh\left[4\,x\right]+b\,Cosh\left[4\,x\right]+b\,Cosh\left[4\,x\right]+b\,Cosh\left[4\,x\right]+b\,Cosh\left[4\,x\right]+b\,Cosh\left[4\,x\right]+b\,Cosh\left[4\,x\right]+b\,Cosh\left[4\,x\right]+b\,Cosh\left[4\,x\right]+b\,Cosh\left[4\,x\right]+b\,Cosh\left[4\,x\right]+b\,Cosh\left[4\,x\right]+b\,Cosh\left[4\,x\right]+b\,Cosh\left[4\,x\right]+b\,Cosh\left[4\,x\right]+b\,Cosh\left[4\,x\right]+b\,Cosh\left[4\,x\right]+b\,Cosh\left[4\,x\right]+b\,Cosh\left[4\,x\right]+b\,Cosh\left[4\,x\right]+b\,Cosh\left[4\,x\right]+b\,Cosh\left[4\,x\right]+b\,Cosh\left[4\,x\right]+b\,Cosh\left[4\,x\right]+b\,Cosh\left[4\,x\right]+b\,Cosh\left[4\,x\right]+b\,Cosh\left[4\,x\right]+b\,Cosh\left[4\,x\right]+b\,Cosh\left[4\,x\right]+b\,Cosh\left[4\,x\right]+b\,Cosh\left[4\,x\right]+b\,Cosh\left[4\,x\right]+b\,Cosh\left[4\,x\right]+b\,Cosh\left[4\,x\right]+b\,Cosh\left[4\,x\right]+b\,Cosh\left[4\,x\right]+b\,Cosh\left[4\,x\right]+b\,Cosh\left[4\,x\right]+b\,Cosh\left[4\,x\right]+b\,Cosh\left[4\,x\right]+b\,Cosh\left[4\,x\right]+b\,Cosh\left[4\,x\right]+b\,Cosh\left[4\,x\right]+b\,Cosh\left[4\,x\right]+b\,Cosh\left[4\,x\right]+b\,Cosh\left[4\,x\right]+b\,Cosh\left[4\,x\right]+b\,Cosh\left[4\,x\right]+b\,Cosh\left[4\,x\right]+b\,Cosh\left[4\,x\right]+b\,Cosh\left[4\,x\right]+b\,Cosh\left[4\,x\right]+b\,Cosh\left[4\,x\right]+b\,Cosh\left[4\,x\right]+b\,Cosh\left[4\,x\right]+b\,Cosh\left[4\,x\right]+b\,Cosh\left[4\,x\right]+b\,Cosh\left[4\,x\right]+b\,Cosh\left[4\,x\right]+b\,Cosh\left[4\,x\right]+b\,Cosh\left[4\,x\right]+b\,Cosh\left[4\,x\right]+b\,Cosh\left[4\,x\right]+b\,Cosh\left[4\,x\right]+b\,Cosh\left[4\,x\right]+b\,Cos
                                                                                                                                                                                                 \texttt{c} \; \texttt{Cosh} \; [\; 4 \; \mathbf{x} \; ] \; ) \; + \; \texttt{b} \; \; (\; 3 \; \mathbf{a} \; - \; \mathbf{b} \; + \; 3 \; \mathbf{c} \; + \; 4 \; \mathbf{a} \; \texttt{Cosh} \; [\; 2 \; \mathbf{x} \; ] \; - \; 4 \; \mathbf{c} \; \texttt{Cosh} \; [\; 2 \; \mathbf{x} \; ] \; + \; \mathbf{a} \; \texttt{Cosh} \; [\; 4 \; \mathbf{x} \; ] \; + \; \mathbf{b} \; \texttt{Cosh} \; [\; 4 \; \mathbf{x} \; ] \; + \; \mathbf{c} \; \texttt{Cosh} \; [\; 4 \; \mathbf{x} \; ] \; ) \; + \; \mathbf{c} \; \texttt{Cosh} \; [\; 4 \; \mathbf{x} \; ] \; + \; \mathbf{c} \; \texttt{Cosh} \; [\; 4 \; \mathbf{x} \; ] \; + \; \mathbf{c} \; \texttt{Cosh} \; [\; 4 \; \mathbf{x} \; ] \; + \; \mathbf{c} \; \texttt{Cosh} \; [\; 4 \; \mathbf{x} \; ] \; + \; \mathbf{c} \; \texttt{Cosh} \; [\; 4 \; \mathbf{x} \; ] \; + \; \mathbf{c} \; \texttt{Cosh} \; [\; 4 \; \mathbf{x} \; ] \; + \; \mathbf{c} \; \texttt{Cosh} \; [\; 4 \; \mathbf{x} \; ] \; + \; \mathbf{c} \; \texttt{Cosh} \; [\; 4 \; \mathbf{x} \; ] \; + \; \mathbf{c} \; \texttt{Cosh} \; [\; 4 \; \mathbf{x} \; ] \; + \; \mathbf{c} \; \texttt{Cosh} \; [\; 4 \; \mathbf{x} \; ] \; + \; \mathbf{c} \; \texttt{Cosh} \; [\; 4 \; \mathbf{x} \; ] \; + \; \mathbf{c} \; \texttt{Cosh} \; [\; 4 \; \mathbf{x} \; ] \; + \; \mathbf{c} \; \texttt{Cosh} \; [\; 4 \; \mathbf{x} \; ] \; + \; \mathbf{c} \; \texttt{Cosh} \; [\; 4 \; \mathbf{x} \; ] \; + \; \mathbf{c} \; \texttt{Cosh} \; [\; 4 \; \mathbf{x} \; ] \; + \; \mathbf{c} \; \texttt{Cosh} \; [\; 4 \; \mathbf{x} \; ] \; + \; \mathbf{c} \; \texttt{Cosh} \; [\; 4 \; \mathbf{x} \; ] \; + \; \mathbf{c} \; \texttt{Cosh} \; [\; 4 \; \mathbf{x} \; ] \; + \; \mathbf{c} \; \texttt{Cosh} \; [\; 4 \; \mathbf{x} \; ] \; + \; \mathbf{c} \; \texttt{Cosh} \; [\; 4 \; \mathbf{x} \; ] \; + \; \mathbf{c} \; \texttt{Cosh} \; [\; 4 \; \mathbf{x} \; ] \; + \; \mathbf{c} \; \texttt{Cosh} \; [\; 4 \; \mathbf{x} \; ] \; + \; \mathbf{c} \; \texttt{Cosh} \; [\; 4 \; \mathbf{x} \; ] \; + \; \mathbf{c} \; \texttt{Cosh} \; [\; 4 \; \mathbf{x} \; ] \; + \; \mathbf{c} \; \texttt{Cosh} \; [\; 4 \; \mathbf{x} \; ] \; + \; \mathbf{c} \; \texttt{Cosh} \; [\; 4 \; \mathbf{x} \; ] \; + \; \mathbf{c} \; \texttt{Cosh} \; [\; 4 \; \mathbf{x} \; ] \; + \; \mathbf{c} \; \texttt{Cosh} \; [\; 4 \; \mathbf{x} \; ] \; + \; \mathbf{c} \; \texttt{Cosh} \; [\; 4 \; \mathbf{x} \; ] \; + \; \mathbf{c} \; \texttt{Cosh} \; [\; 4 \; \mathbf{x} \; ] \; + \; \mathbf{c} \; \texttt{Cosh} \; [\; 4 \; \mathbf{x} \; ] \; + \; \mathbf{c} \; \texttt{Cosh} \; [\; 4 \; \mathbf{x} \; ] \; + \; \mathbf{c} \; \texttt{Cosh} \; [\; 4 \; \mathbf{x} \; ] \; + \; \mathbf{c} \; \texttt{Cosh} \; [\; 4 \; \mathbf{x} \; ] \; + \; \mathbf{c} \; \texttt{Cosh} \; [\; 4 \; \mathbf{x} \; ] \; + \; \mathbf{c} \; \texttt{Cosh} \; [\; 4 \; \mathbf{x} \; ] \; + \; \mathbf{c} \; \texttt{Cosh} \; [\; 4 \; \mathbf{x} \; ] \; + \; \mathbf{c} \; \texttt{Cosh} \; [\; 4 \; \mathbf{x} \; ] \; + \; \mathbf{c} \; \texttt{Cosh} \; [\; 4 \; \mathbf{x} \; ] \; + \; \mathbf{c} \; \texttt{Cosh} \; [\; 4 \; \mathbf{x} \; ] \; + \; \mathbf{c} \; \texttt{Cosh} \; [\; 4 \; \mathbf{x} \; ] \; + \; \mathbf{c} \; \texttt{Cosh} \; [\; 4 \; \mathbf{x} \; ] \; + \; \mathbf{c} \; \texttt{Cosh} \; [\; 4 \; \mathbf{x} \; ] \; + \; \mathbf{c} \; \texttt{Cosh} \; [\; 4 \; \mathbf{x} \; ] \; + \; \mathbf{c} \; \texttt{Cosh} \; [\; 4 \; \mathbf
                                                                                                                                                c (3 a - b + 3 c + 4 a Cosh[2 x] - 4 c Cosh[2 x] + a Cosh[4 x] + b Cosh[4 x] + c Cosh[4 x]))
         \left[-2\,a + 2\,c + \sqrt{2}\,\sqrt{\left(2\,b^2 - 8\,a\,c + a\,\left(3\,a - b + 3\,c + 4\,a\,Cosh[2\,x] - 4\,c\,Cosh[2\,x] + a\,Cosh[4\,x] + b\,Cosh[4\,x] + c\,Cosh[4\,x]\right) + a\,Cosh[4\,x] + b\,Cosh[4\,x]\right]} + \left[-2\,a + 2\,c + \sqrt{2}\,\sqrt{\left(2\,b^2 - 8\,a\,c + a\,\left(3\,a - b + 3\,c + 4\,a\,Cosh[2\,x] - 4\,c\,Cosh[2\,x]\right) + a\,Cosh[4\,x] + b\,Cosh[4\,x] + b\,Cosh[4\,x]\right]} + c\,Cosh[4\,x]\right] + \left[-2\,a + 2\,c + \sqrt{2}\,\sqrt{\left(2\,b^2 - 8\,a\,c + a\,\left(3\,a - b + 3\,c + 4\,a\,Cosh[2\,x] - 4\,c\,Cosh[2\,x]\right) + a\,Cosh[4\,x] + b\,Cosh[4\,x]\right]} + c\,Cosh[4\,x]\right] + c\,Cosh[4\,x]\right] + c\,Cosh[4\,x]\right] + c\,Cosh[4\,x]
                                                                                               b \; (3 \; a \; -b \; + \; 3 \; c \; + \; 4 \; a \; Cosh[\; 2 \; x] \; - \; 4 \; c \; Cosh[\; 2 \; x] \; + \; a \; Cosh[\; 4 \; x] \; + \; b \; Cosh[\; 4 \; x] \; + \; c \; Cosh[\; 4 \; x] \; ) \; + \; c \; Cosh[\; 4 \; x] \; ) \; + \; c \; Cosh[\; 4 \; x] \; ) \; + \; c \; Cosh[\; 4 \; x] \; ) \; + \; c \; Cosh[\; 4 \; x] \; ) \; + \; c \; Cosh[\; 4 \; x] \; ) \; + \; c \; Cosh[\; 4 \; x] \; ) \; + \; c \; Cosh[\; 4 \; x] \; ) \; + \; c \; Cosh[\; 4 \; x] \; ) \; + \; c \; Cosh[\; 4 \; x] \; ) \; + \; c \; Cosh[\; 4 \; x] \; ) \; + \; c \; Cosh[\; 4 \; x] \; ) \; + \; c \; Cosh[\; 4 \; x] \; ) \; + \; c \; Cosh[\; 4 \; x] \; ) \; + \; c \; Cosh[\; 4 \; x] \; ) \; + \; c \; Cosh[\; 4 \; x] \; ) \; + \; c \; Cosh[\; 4 \; x] \; ) \; + \; c \; Cosh[\; 4 \; x] \; ) \; + \; c \; Cosh[\; 4 \; x] \; ) \; + \; c \; Cosh[\; 4 \; x] \; ) \; + \; c \; Cosh[\; 4 \; x] \; ) \; + \; c \; Cosh[\; 4 \; x] \; ) \; + \; c \; Cosh[\; 4 \; x] \; ) \; + \; c \; Cosh[\; 4 \; x] \; ) \; + \; c \; Cosh[\; 4 \; x] \; ) \; + \; c \; Cosh[\; 4 \; x] \; ) \; + \; c \; Cosh[\; 4 \; x] \; ) \; + \; c \; Cosh[\; 4 \; x] \; ) \; + \; c \; Cosh[\; 4 \; x] \; ) \; + \; c \; Cosh[\; 4 \; x] \; ) \; + \; c \; Cosh[\; 4 \; x] \; ) \; + \; c \; Cosh[\; 4 \; x] \; ) \; + \; c \; Cosh[\; 4 \; x] \; ) \; + \; c \; Cosh[\; 4 \; x] \; ) \; + \; c \; Cosh[\; 4 \; x] \; ) \; + \; c \; Cosh[\; 4 \; x] \; ) \; + \; c \; Cosh[\; 4 \; x] \; ) \; + \; c \; Cosh[\; 4 \; x] \; ) \; + \; c \; Cosh[\; 4 \; x] \; ) \; + \; c \; Cosh[\; 4 \; x] \; ) \; + \; c \; Cosh[\; 4 \; x] \; ) \; + \; c \; Cosh[\; 4 \; x] \; ) \; + \; c \; Cosh[\; 4 \; x] \; ) \; + \; c \; Cosh[\; 4 \; x] \; ) \; + \; c \; Cosh[\; 4 \; x] \; ) \; + \; c \; Cosh[\; 4 \; x] \; ) \; + \; c \; Cosh[\; 4 \; x] \; ) \; + \; c \; Cosh[\; 4 \; x] \; ) \; + \; c \; Cosh[\; 4 \; x] \; ) \; + \; c \; Cosh[\; 4 \; x] \; ) \; + \; c \; Cosh[\; 4 \; x] \; ) \; + \; c \; Cosh[\; 4 \; x] \; ) \; + \; c \; Cosh[\; 4 \; x] \; ) \; + \; c \; Cosh[\; 4 \; x] \; ) \; + \; c \; Cosh[\; 4 \; x] \; ) \; + \; c \; Cosh[\; 4 \; x] \; ) \; + \; c \; Cosh[\; 4 \; x] \; ) \; + \; c \; Cosh[\; 4 \; x] \; ) \; + \; c \; Cosh[\; 4 \; x] \; ) \; + \; c \; Cosh[\; 4 \; x] \; ) \; + \; c \; Cosh[\; 4 \; x] \; ) \; + \; c \; Cosh[\; 4 \; x] \; ) \; + \; c \; Cosh[\; 4 \; x] \; + \; c \; Cosh[\; 4 \; x] \; ) \; + \; c \; Cosh[\; 4 \; x] \; + \; c \; Cosh[\; 4 \; x] \; + \; c \; Cosh[\; 4 \; x] \; + \; c \; Cosh[\; 4 \; x] \; + \; c \; Cosh[\; 4 \; x] \; +
                                                                                                c (3 a - b + 3 c + 4 a Cosh[2 x] - 4 c Cosh[2 x] + a Cosh[4 x] + b Cosh[4 x] + c Cosh[4 x]))
\sqrt{\left[-1 + \frac{1}{2(a+b+c)} \left(-2a+2c+\sqrt{2}\sqrt{2b^2-8ac+a(3a-b+3c+4aCosh[2x]-4cCosh[2x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCos
                                                                                                                                                                                                                 b \, Cosh[4 \, x] + c \, Cosh[4 \, x]) + b \, (3 \, a - b + 3 \, c + 4 \, a \, Cosh[2 \, x] - 4 \, c \, Cosh[2 \, x] + a \, Cosh[4 \, x] + b \, Cosh[4 \,
                                                                                                                                                                                                               c \cosh[4x] + c (3a - b + 3c + 4a \cosh[2x] - 4c \cosh[2x] + a \cosh[4x] + b \cosh[4x] + c \cosh[4x])
\sqrt{1 + \frac{1}{2(a+b+c)}} \left( -2a + 2c + \sqrt{2} \sqrt{2b^2 - 8ac + a(3a-b+3c+4a) + 2c+4a + 2c+4c + 2c+4
                                                                                                                                                                                                                 b \, Cosh[4\,x] + c \, Cosh[4\,x]) + b \, (3\,a - b + 3\,c + 4\,a \, Cosh[2\,x] - 4\,c \, Cosh[2\,x] + a \, Cosh[4\,x] + b 
                                                                                                                                                                                                               c Cosh[4x]) + c (3a - b + 3c + 4a Cosh[2x] - 4c Cosh[2x] + a Cosh[4x] + b Cosh[4x] + c Cosh[4x]))
  \sqrt{\,(3\,a-b+3\,c+4\,\,(a-c)\,\,Cosh[\,2\,x\,]\,+\,(a+b+c)\,\,Cosh[\,4\,x\,]\,)\,\,Sech[\,x\,]^{\,4}\,}\,\Bigg]\,-\,\Bigg|\,c\,\,Cosh[\,2\,x\,]
      (3 a - b + 3 c + 4 (a - c) Cosh[2x] + (a + b + c) Cosh[4x])
          \left[ 2 \text{ a} \sqrt{3 \text{ a} - \text{b} + 3 \text{ c} + 4 \text{ a} \text{ Cosh}[2 \text{ x}] - 4 \text{ c} \text{ Cosh}[2 \text{ x}] + \text{a} \text{ Cosh}[4 \text{ x}] + \text{b} \text{ Cosh}[4 \text{ x}] + \text{c} \text{cosh}[4 \text{ x}] 
                                 2 b \sqrt{3 a - b + 3 c + 4 a Cosh[2 x] - 4 c Cosh[2 x] + a Cosh[4 x] + b Cosh[4 x] + c Cosh[4 x]} + c Cosh[4 x]
                                 2 c \sqrt{3} a - b + 3 c + 4 a Cosh[2 x] - 4 c Cosh[2 x] + a Cosh[4 x] + b Cosh[4 x] + c Cosh[4 x]
\sqrt{\left(\frac{1}{a+b+c}\left(2b+4c+\sqrt{2}\sqrt{2b^2-8ac+a(3a-b+3c+4aCosh[2x]-4cCosh[2x]+aCosh[4x]+bCosh[4x]+bCosh[4x]+bCosh[4x]+bCosh[4x]+bCosh[4x]+bCosh[4x]+bCosh[4x]+bCosh[4x]+bCosh[4x]+bCosh[4x]+bCosh[4x]+bCosh[4x]+bCosh[4x]+bCosh[4x]+bCosh[4x]+bCosh[4x]+bCosh[4x]+bCosh[4x]+bCosh[4x]+bCosh[4x]+bCosh[4x]+bCosh[4x]+bCosh[4x]+bCosh[4x]+bCosh[4x]+bCosh[4x]+bCosh[4x]+bCosh[4x]+bCosh[4x]+bCosh[4x]+bCosh[4x]+bCosh[4x]+bCosh[4x]+bCosh[4x]+bCosh[4x]+bCosh[4x]+bCosh[4x]+bCosh[4x]+bCosh[4x]+bCosh[4x]+bCosh[4x]+bCosh[4x]+bCosh[4x]+bCosh[4x]+bCosh[4x]+bCosh[4x]+bCosh[4x]+bCosh[4x]+bCosh[4x]+bCosh[4x]+bCosh[4x]+bCosh[4x]+bCosh[4x]+bCosh[4x]+bCosh[4x]+bCosh[4x]+bCosh[4x]+bCosh[4x]+bCosh[4x]+bCosh[4x]+bCosh[4x]+bCosh[4x]+bCosh[4x]+bCosh[4x]+bCosh[4x]+bCosh[4x]+bCosh[4x]+bCosh[4x]+bCosh[4x]+bCosh[4x]+bCosh[4x]+bCosh[4x]+bCosh[4x]+bCosh[4x]+bCosh[4x]+bCosh[4x]+bCosh[4x]+bCosh[4x]+bCosh[4x]+bCosh[4x]+bCosh[4x]+bCosh[4x]+bCosh[4x]+bCosh[4x]+bCosh[4x]+bCosh[4x]+bCosh[4x]+bCosh[4x]+bCosh[4x]+bCosh[4x]+bCosh[4x]+bCosh[4x]+bCosh[4x]+bCosh[4x]+bCosh[4x]+bCosh[4x]+bCosh[4x]+bCosh[4x]+bCosh[4x]+bCosh[4x]+bCosh[4x]+bCosh[4x]+bCosh[4x]+bCosh[4x]+bCosh[4x]+bCosh[4x]+bCosh[4x]+bCosh[4x]+bCosh[4x]+bCosh[4x]+bCosh[4x]+bCosh[4x]+bCosh[4x]+bCosh[4x]+bCosh[4x]+bCosh[4x]+bCosh[4x]+bCosh[4x]+bCosh[4x]+bCosh[4x]+bCosh[4x]+bCosh[4x]+bCosh[4x]+bCosh[4x]+bCosh[4x]+bCosh[4x]+bCosh[4x]+bCosh[4x]+bCosh[4x]+bCosh[4x]+bCosh[4x]+bCosh[4x]+bCosh[4x]+bCosh[4x]+bCosh[4x]+bCosh[4x]+bCosh[4x]+bCosh[4x]+bCosh[4x]+bCosh[4x]+bCosh[4x]+bCosh[4x]+bCosh[4x]+bCosh[4x]+bCosh[4x]+bCosh[4x]+bCosh[4x]+bCosh[4x]+bCosh[4x]+bCosh[4x]+bCosh[4x]+bCosh[4x]+bCosh[4x]+bCosh[4x]+bCosh[4x]+bCosh[4x]+bCosh[4x]+bCosh[4x]+bCosh[4x]+bCosh[4x]+bCosh[4x]+bCosh[4x]+bCosh[4x]+bCosh[4x]+bCosh[4x]+bCosh[4x]+bCosh[4x]+bCosh[4x]+bCosh[4x]+bCosh[4x]+bCosh[4x]+bCosh[4x]+bCosh[4x]+bCosh[4x]+bCosh[4x]+bCosh[4x]+bCosh[4x]+bCosh[4x]+bCosh[4x]+bCosh[4x]+bCosh[4x]+bCosh[4x]+bCosh[4x]+bCosh[4x]+bCosh[4x]+bCosh[4x]+bCosh[4x]+bCosh[4x]+bCosh[4x]+bCosh[4x]+bCosh[4x]+bCosh[4x]+bCosh[4x]+bCosh[4x]+bCosh[4x]+bCosh[4x]+bCos
                                                                                                                                                                                               \texttt{c} \; \texttt{Cosh} \; [\; 4 \; \mathbf{x} \; ] \; ) \; + \; \texttt{b} \; (\; 3 \; \mathbf{a} \; - \; \mathbf{b} \; + \; 3 \; \mathbf{c} \; + \; 4 \; \mathbf{a} \; \texttt{Cosh} \; [\; 2 \; \mathbf{x} \; ] \; - \; 4 \; \mathbf{c} \; \texttt{Cosh} \; [\; 2 \; \mathbf{x} \; ] \; + \; \mathbf{a} \; \texttt{Cosh} \; [\; 4 \; \mathbf{x} \; ] \; + \; \mathbf{b} \; \texttt{Cosh} \; [\; 4 \; \mathbf{x} \; ] \; + \; \mathbf{c} \; \texttt{Cosh} \; [\; 4 \; \mathbf{x} \; ] \; ) \; + \; \mathbf{c} \; \texttt{Cosh} \; [\; 4 \; \mathbf{x} \; ] \; + \; \mathbf{c} \; \texttt{Cosh} \; [\; 4 \; \mathbf{x} \; ] \; + \; \mathbf{c} \; \texttt{Cosh} \; [\; 4 \; \mathbf{x} \; ] \; + \; \mathbf{c} \; \texttt{Cosh} \; [\; 4 \; \mathbf{x} \; ] \; + \; \mathbf{c} \; \texttt{Cosh} \; [\; 4 \; \mathbf{x} \; ] \; + \; \mathbf{c} \; \texttt{Cosh} \; [\; 4 \; \mathbf{x} \; ] \; + \; \mathbf{c} \; \texttt{Cosh} \; [\; 4 \; \mathbf{x} \; ] \; + \; \mathbf{c} \; \texttt{Cosh} \; [\; 4 \; \mathbf{x} \; ] \; + \; \mathbf{c} \; \texttt{Cosh} \; [\; 4 \; \mathbf{x} \; ] \; + \; \mathbf{c} \; \texttt{Cosh} \; [\; 4 \; \mathbf{x} \; ] \; + \; \mathbf{c} \; \texttt{Cosh} \; [\; 4 \; \mathbf{x} \; ] \; + \; \mathbf{c} \; \texttt{Cosh} \; [\; 4 \; \mathbf{x} \; ] \; + \; \mathbf{c} \; \texttt{Cosh} \; [\; 4 \; \mathbf{x} \; ] \; + \; \mathbf{c} \; \texttt{Cosh} \; [\; 4 \; \mathbf{x} \; ] \; + \; \mathbf{c} \; \texttt{Cosh} \; [\; 4 \; \mathbf{x} \; ] \; + \; \mathbf{c} \; \texttt{Cosh} \; [\; 4 \; \mathbf{x} \; ] \; + \; \mathbf{c} \; \texttt{Cosh} \; [\; 4 \; \mathbf{x} \; ] \; + \; \mathbf{c} \; \texttt{Cosh} \; [\; 4 \; \mathbf{x} \; ] \; + \; \mathbf{c} \; \texttt{Cosh} \; [\; 4 \; \mathbf{x} \; ] \; + \; \mathbf{c} \; \texttt{Cosh} \; [\; 4 \; \mathbf{x} \; ] \; + \; \mathbf{c} \; \texttt{Cosh} \; [\; 4 \; \mathbf{x} \; ] \; + \; \mathbf{c} \; \texttt{Cosh} \; [\; 4 \; \mathbf{x} \; ] \; + \; \mathbf{c} \; \texttt{Cosh} \; [\; 4 \; \mathbf{x} \; ] \; + \; \mathbf{c} \; \texttt{Cosh} \; [\; 4 \; \mathbf{x} \; ] \; + \; \mathbf{c} \; \texttt{Cosh} \; [\; 4 \; \mathbf{x} \; ] \; + \; \mathbf{c} \; \texttt{Cosh} \; [\; 4 \; \mathbf{x} \; ] \; + \; \mathbf{c} \; \texttt{Cosh} \; [\; 4 \; \mathbf{x} \; ] \; + \; \mathbf{c} \; \texttt{Cosh} \; [\; 4 \; \mathbf{x} \; ] \; + \; \mathbf{c} \; \texttt{Cosh} \; [\; 4 \; \mathbf{x} \; ] \; + \; \mathbf{c} \; \texttt{Cosh} \; [\; 4 \; \mathbf{x} \; ] \; + \; \mathbf{c} \; \texttt{Cosh} \; [\; 4 \; \mathbf{x} \; ] \; + \; \mathbf{c} \; \texttt{Cosh} \; [\; 4 \; \mathbf{x} \; ] \; + \; \mathbf{c} \; \texttt{Cosh} \; [\; 4 \; \mathbf{x} \; ] \; + \; \mathbf{c} \; \texttt{Cosh} \; [\; 4 \; \mathbf{x} \; ] \; + \; \mathbf{c} \; \texttt{Cosh} \; [\; 4 \; \mathbf{x} \; ] \; + \; \mathbf{c} \; \texttt{Cosh} \; [\; 4 \; \mathbf{x} \; ] \; + \; \mathbf{c} \; \texttt{Cosh} \; [\; 4 \; \mathbf{x} \; ] \; + \; \mathbf{c} \; \texttt{Cosh} \; [\; 4 \; \mathbf{x} \; ] \; + \; \mathbf{c} \; \texttt{Cosh} \; [\; 4 \; \mathbf{x} \; ] \; + \; \mathbf{c} \; \texttt{Cosh} \; [\; 4 \; \mathbf{x} \; ] \; + \; \mathbf{c} \; \texttt{Cosh} \; [\; 4 \; \mathbf{x} \; ] \; + \; \mathbf{c} \; \texttt{Cosh} \; [\; 4 \; \mathbf{x} \; ] \; + \; \mathbf{c} \; \texttt{Cosh} \; [\; 4 \; \mathbf{x} \; ] \; + \; \mathbf{c} \; \texttt{Cosh} \; [\; 4 \; \mathbf{x} \; ] \; + \; \mathbf{c} \; \texttt{Cosh} \; [\; 4 \; \mathbf{x
                                                                                                                                                c (3 a - b + 3 c + 4 a Cosh[2 x] - 4 c Cosh[2 x] + a Cosh[4 x] + b Cosh[4 x] + c Cosh[4 x]))
                  \frac{\texttt{ArcTanh}\Big[\,\frac{\sqrt{\,3\,\text{a-b+3}\,\text{c+4}\,\text{a}\,\text{Cosh}[\,2\,\text{x}\,]\,-4\,\text{c}\,\text{Cosh}[\,2\,\text{x}\,]\,+\text{a}\,\text{Cosh}[\,4\,\text{x}\,]\,+\text{b}\,\text{Cosh}[\,4\,\text{x}\,]\,+\text{c}\,\text{Cosh}[\,4\,\text{x}\,]\,}{2\,\sqrt{\,2}\,\sqrt{\,c}}\,\Big]}{\sqrt{\,c}}
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                -\frac{1}{\sqrt{g}} ArcTanh[
                                                                      \left( (b + 2c) \sqrt{3 a - b + 3 c + 4 a \cosh[2x] - 4 c \cosh[2x] + a \cosh[4x] + b \cosh[4x] + c \cosh[4x]} \right) /
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2\sqrt{c}\sqrt{(2b^2-8ac+a(3a-b+3c+4aCosh[2x]-4cCosh[2x]+aCosh[4x]+bCosh[4x]+cCosh[4x])}
                                                                                                b(3a - b + 3c + 4a \cosh[2x] - 4c \cosh[2x] + a \cosh[4x] + b \cosh[4x] + c \cosh[4x])
                                                                                               c(3a-b+3c+4aCosh[2x]-4cCosh[2x]+aCosh[4x]+bCosh[4x]+cCosh[4x])))
                    b\sqrt{3} \ a - b + 3 \ c + 4 \ a \ Cosh[2 \ x] \ - 4 \ c \ Cosh[2 \ x] \ + a \ Cosh[4 \ x] \ + b \ Cosh[4 \ x] \ + c \ Cosh[4 \ x] \ + c
                                                                                       \sqrt{3} a - b + 3 c + 4 a Cosh[2 x] - 4 c Cosh[2 x] + a Cosh[4 x] + b Cosh[4 x] + c Cosh[4 x] + \sqrt{a} + b + c
                                                                                       \sqrt{(2b^2 - 8ac + a(3a - b + 3c + 4aCosh[2x] - 4cCosh[2x] + aCosh[4x] + bCosh[4x] + cCosh[4x])}
                                                                                                                   b \; (3 \; a \; - \; b \; + \; 3 \; c \; + \; 4 \; a \; Cosh[\; 2 \; x] \; - \; 4 \; c \; Cosh[\; 2 \; x] \; + \; a \; Cosh[\; 4 \; x] \; + \; b \; Cosh[\; 4 \; x] \; + \; c \; Cosh[\; 4 \; x] \; ) \; + \; c \; cosh[\; 4 \; x] \; ) \; + \; c \; cosh[\; 4 \; x] \; ) \; + \; c \; cosh[\; 4 \; x] \; ) \; + \; c \; cosh[\; 4 \; x] \; ) \; + \; c \; cosh[\; 4 \; x] \; ) \; + \; c \; cosh[\; 4 \; x] \; ) \; + \; c \; cosh[\; 4 \; x] \; ) \; + \; c \; cosh[\; 4 \; x] \; ) \; + \; c \; cosh[\; 4 \; x] \; ) \; + \; c \; cosh[\; 4 \; x] \; ) \; + \; c \; cosh[\; 4 \; x] \; ) \; + \; c \; cosh[\; 4 \; x] \; ) \; + \; c \; cosh[\; 4 \; x] \; ) \; + \; c \; cosh[\; 4 \; x] \; ) \; + \; c \; cosh[\; 4 \; x] \; ) \; + \; c \; cosh[\; 4 \; x] \; ) \; + \; c \; cosh[\; 4 \; x] \; ) \; + \; c \; cosh[\; 4 \; x] \; ) \; + \; c \; cosh[\; 4 \; x] \; ) \; + \; c \; cosh[\; 4 \; x] \; ) \; + \; c \; cosh[\; 4 \; x] \; ) \; + \; c \; cosh[\; 4 \; x] \; ) \; + \; c \; cosh[\; 4 \; x] \; ) \; + \; c \; cosh[\; 4 \; x] \; ) \; + \; c \; cosh[\; 4 \; x] \; ) \; + \; c \; cosh[\; 4 \; x] \; ) \; + \; c \; cosh[\; 4 \; x] \; ) \; + \; c \; cosh[\; 4 \; x] \; ) \; + \; c \; cosh[\; 4 \; x] \; ) \; + \; c \; cosh[\; 4 \; x] \; ) \; + \; c \; cosh[\; 4 \; x] \; ) \; + \; c \; cosh[\; 4 \; x] \; ) \; + \; c \; cosh[\; 4 \; x] \; ) \; + \; c \; cosh[\; 4 \; x] \; ) \; + \; c \; cosh[\; 4 \; x] \; ) \; + \; c \; cosh[\; 4 \; x] \; ) \; + \; c \; cosh[\; 4 \; x] \; ) \; + \; c \; cosh[\; 4 \; x] \; ) \; + \; c \; cosh[\; 4 \; x] \; ) \; + \; c \; cosh[\; 4 \; x] \; ) \; + \; c \; cosh[\; 4 \; x] \; ) \; + \; c \; cosh[\; 4 \; x] \; ) \; + \; c \; cosh[\; 4 \; x] \; ) \; + \; c \; cosh[\; 4 \; x] \; ) \; + \; c \; cosh[\; 4 \; x] \; ) \; + \; c \; cosh[\; 4 \; x] \; ) \; + \; c \; cosh[\; 4 \; x] \; ) \; + \; c \; cosh[\; 4 \; x] \; ) \; + \; c \; cosh[\; 4 \; x] \; ) \; + \; c \; cosh[\; 4 \; x] \; ) \; + \; c \; cosh[\; 4 \; x] \; ) \; + \; c \; cosh[\; 4 \; x] \; ) \; + \; c \; cosh[\; 4 \; x] \; ) \; + \; c \; cosh[\; 4 \; x] \; ) \; + \; c \; cosh[\; 4 \; x] \; ) \; + \; c \; cosh[\; 4 \; x] \; ) \; + \; c \; cosh[\; 4 \; x] \; ) \; + \; c \; cosh[\; 4 \; x] \; ) \; + \; c \; cosh[\; 4 \; x] \; ) \; + \; c \; cosh[\; 4 \; x] \; ) \; + \; c \; cosh[\; 4 \; x] \; ) \; + \; c \; cosh[\; 4 \; x] \; ) \; + \; c \; cosh[\; 4 \; x] \; + \; c \; cosh[\; 4 \; x] \; ) \; + \; c \; cosh[\; 4 \; x] \; + \; c \; cosh[\; 4 \; x] \; ) \; + \; c \; cosh[\; 4 \; x] \; + \; c \; cosh[\;
                                                                                                                    \texttt{c} \; (3 \; \texttt{a} \; - \; \texttt{b} \; + \; \texttt{3} \; \texttt{c} \; + \; \texttt{4} \; \texttt{a} \; \texttt{Cosh}[2 \; \texttt{x}] \; - \; \texttt{4} \; \texttt{c} \; \texttt{Cosh}[2 \; \texttt{x}] \; + \; \texttt{a} \; \texttt{Cosh}[4 \; \texttt{x}] \; + \; \texttt{b} \; \texttt{Cosh}[4 \; \texttt{x}] \; + \; \texttt{c} \; \texttt{Cosh}[4 \; \texttt{x}]) \Big) \Big] \Big] \; \\ \texttt{Sech}[\mathbf{x}]^2 \\ 
                                                                                                                                                   b \operatorname{Sech}[x]^2 \operatorname{Sinh}[2x]
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        c Sech[x]^2 Sinh[2x]
                   \sqrt{3 a - b + 3 c + 4 (a - c) \cosh[2 x] + (a + b + c) \cosh[4 x]}
                                                                                                                                                                                                                                                                                                                                                                                                                                                                             \sqrt{3 a - b + 3 c + 4 (a - c) \cosh[2 x] + (a + b + c) \cosh[4 x]}
                                                                                                                       c Cosh[2x] Sech[x]^2 Sinh[2x]
                        \sqrt{3 a - b + 3 c + 4 (a - c) \cosh[2 x] + (a + b + c) \cosh[4 x]}
    (4 \text{ a Sinh}[2 \text{ x}] - 4 \text{ c Sinh}[2 \text{ x}] + 2 \text{ a Sinh}[4 \text{ x}] + 2 \text{ b Sinh}[4 \text{ x}] + 2 \text{ c Sinh}[4 \text{ x}])
  (a \ (8 \ a \ Sinh[2 \ x] \ - \ 8 \ c \ Sinh[2 \ x] \ + \ 4 \ a \ Sinh[4 \ x] \ + \ 4 \ b \ Sinh[4 \ x] \ + \ 4 \ c \ Sinh[4 \ x]) \ + \ 4 \ c \ Sinh[4 \ x]) \ + \ 4 \ c \ Sinh[4 \ x]) \ + \ 4 \ c \ Sinh[4 \ x]) \ + \ 4 \ c \ Sinh[4 \ x]) \ + \ 4 \ c \ Sinh[4 \ x]) \ + \ 4 \ c \ Sinh[4 \ x]) \ + \ 4 \ c \ Sinh[4 \ x]) \ + \ 4 \ c \ Sinh[4 \ x]) \ + \ 4 \ c \ Sinh[4 \ x]) \ + \ 4 \ c \ Sinh[4 \ x]) \ + \ 4 \ c \ Sinh[4 \ x]) \ + \ 4 \ c \ Sinh[4 \ x]) \ + \ 4 \ c \ Sinh[4 \ x]) \ + \ 4 \ c \ Sinh[4 \ x]) \ + \ 4 \ c \ Sinh[4 \ x]) \ + \ 4 \ c \ Sinh[4 \ x]) \ + \ 4 \ c \ Sinh[4 \ x]) \ + \ 4 \ c \ Sinh[4 \ x]) \ + \ 4 \ c \ Sinh[4 \ x]) \ + \ 4 \ c \ Sinh[4 \ x]) \ + \ 4 \ c \ Sinh[4 \ x]) \ + \ 4 \ c \ Sinh[4 \ x]) \ + \ 4 \ c \ Sinh[4 \ x]) \ + \ 4 \ c \ Sinh[4 \ x]) \ + \ 4 \ c \ Sinh[4 \ x]) \ + \ 4 \ c \ Sinh[4 \ x]) \ + \ 4 \ c \ Sinh[4 \ x]) \ + \ 4 \ c \ Sinh[4 \ x]) \ + \ 4 \ c \ Sinh[4 \ x]) \ + \ 4 \ c \ Sinh[4 \ x]) \ + \ 4 \ c \ Sinh[4 \ x]) \ + \ 4 \ c \ Sinh[4 \ x]) \ + \ 4 \ c \ Sinh[4 \ x]) \ + \ 4 \ c \ Sinh[4 \ x]) \ + \ 4 \ c \ Sinh[4 \ x]) \ + \ 4 \ c \ Sinh[4 \ x]) \ + \ 4 \ c \ Sinh[4 \ x]) \ + \ 4 \ c \ Sinh[4 \ x]) \ + \ 4 \ c \ Sinh[4 \ x]) \ + \ 4 \ c \ Sinh[4 \ x]) \ + \ 4 \ c \ Sinh[4 \ x]) \ + \ 4 \ c \ Sinh[4 \ x]) \ + \ 4 \ c \ Sinh[4 \ x]) \ + \ 4 \ c \ Sinh[4 \ x]) \ + \ 4 \ c \ Sinh[4 \ x]) \ + \ 4 \ c \ Sinh[4 \ x]) \ + \ 4 \ c \ Sinh[4 \ x]) \ + \ 4 \ c \ Sinh[4 \ x]) \ + \ 4 \ c \ Sinh[4 \ x]) \ + \ 4 \ c \ Sinh[4 \ x]) \ + \ 4 \ c \ Sinh[4 \ x]) \ + \ 4 \ c \ Sinh[4 \ x]) \ + \ 4 \ c \ Sinh[4 \ x]) \ + \ 4 \ c \ Sinh[4 \ x]) \ + \ 4 \ c \ Sinh[4 \ x]) \ + \ 4 \ c \ Sinh[4 \ x]) \ + \ 4 \ c \ Sinh[4 \ x]) \ + \ 4 \ c \ Sinh[4 \ x]) \ + \ 4 \ c \ Sinh[4 \ x]) \ + \ 4 \ c \ Sinh[4 \ x]) \ + \ 4 \ c \ Sinh[4 \ x]) \ + \ 4 \ c \ Sinh[4 \ x]) \ + \ 4 \ c \ Sinh[4 \ x]) \ + \ 4 \ c \ Sinh[4 \ x]) \ + \ 4 \ c \ Sinh[4 \ x]) \ + \ 4 \ c \ Sinh[4 \ x]) \ + \ 4 \ c \ Sinh[4 \ x]) \ + \ 4 \ c \ Sinh[4 \ x]) \ + \ 4 \ c \ Sinh[4 \ x]) \ + \ 4 \ c \ Sinh[4 \ x]) \ + \ 4 \ c \ Sinh[4 \ 
                   b (8 a Sinh[2x] - 8 c Sinh[2x] + 4 a Sinh[4x] + 4 b Sinh[4x] + 4 c Sinh[4x]) +
                   c (8 \text{ a Sinh}[2 \text{ x}] - 8 \text{ c Sinh}[2 \text{ x}] + 4 \text{ a Sinh}[4 \text{ x}] + 4 \text{ b Sinh}[4 \text{ x}] + 4 \text{ c Sinh}[4 \text{ x}]))
    (b-c+c \cosh[2x]) \sqrt{3 a-b+3 c+4 a \cosh[2x]-4 c \cosh[2x]+a \cosh[4x]+b \cosh[4x]+c \cosh[4x]}
  (2b^2 - 8ac + a(3a - b + 3c + 4aCosh[2x] - 4cCosh[2x] + aCosh[4x] + bCosh[4x] + cCosh[4x]) + cCosh[4x])
                b (3 a - b + 3 c + 4 a Cosh[2x] - 4 c Cosh[2x] + a Cosh[4x] + b Cosh[4x] + c Cosh[4x]) +
                   c(3a-b+3c+4aCosh[2x]-4cCosh[2x]+aCosh[4x]+bCosh[4x]+cCosh[4x])
 \sqrt{\left(\frac{1}{a+b+c}\left(-4 \, a - 2 \, b + \sqrt{2} \, \sqrt{\left(2 \, b^2 - 8 \, a \, c + a \, \left(3 \, a - b + 3 \, c + 4 \, a \, \text{Cosh}\left[2 \, x\right] - 4 \, c \, \text{Cosh}\left[2 \, x\right] + a \, \text{Cosh}\left[4 \, x\right] + b \, \text{Cosh}
                                                                                                                  \verb|cCosh[4x]| + b(3a - b + 3c + 4aCosh[2x] - 4cCosh[2x] + aCosh[4x] + bCosh[4x] + cCosh[4x]) + cCosh[4x] + cCosh[
                                                                                     c(3a-b+3c+4aCosh[2x]-4cCosh[2x]+aCosh[4x]+bCosh[4x]+cCosh[4x]))
    \left(-2 \text{ a} + 2 \text{ c} + \sqrt{2} \sqrt{2 \text{ b}^2 - 8 \text{ a} \text{ c} + \text{ a} (3 \text{ a} - \text{b} + 3 \text{ c} + 4 \text{ a} \text{ Cosh}[2 \text{ x}] - 4 \text{ c} \text{ Cosh}[2 \text{ x}] + \text{a} \text{ Cosh}[4 \text{ x}] + \text{b} \text{ Cosh}[4 \text{ x}] + \text{c} \text{cosh}[4 \text{ x}] + \text{c} \text{cosh}[4 \text{ x}] + \text{c} \text{cosh}[4 \text{ x}] +
                                                         b (3 a - b + 3 c + 4 a Cosh[2 x] - 4 c Cosh[2 x] + a Cosh[4 x] + b Cosh[4 x] + c Cosh[4 x]) + c Cosh[4 x]) + c Cosh[4 x] + c Cosh[4 x]) + c Cosh[4 x]
                                                         c (3 a - b + 3 c + 4 a Cosh[2 x] - 4 c Cosh[2 x] + a Cosh[4 x] + b Cosh[4 x] + c Cosh[4 x]))
\sqrt{\left[-1 + \frac{1}{2(a+b+c)} \left(-2a+2c+\sqrt{2}\sqrt{2b^2-8ac+a(3a-b+3c+4aCosh[2x]-4cCosh[2x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCos
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b\, Cosh\, [\, 4\,\, x\,] \,\, + \, c\, Cosh\, [\, 4\,\, x\,] \,\, ) \,\, + \, b\,\, (\, 3\,\, a \,\, - \,\, b \,\, + \,\, 3\,\, c \,\, + \,\, 4\,\, a\,\, Cosh\, [\, 2\,\, x\,] \,\, - \,\, 4\,\, c\,\, Cosh\, [\, 2\,\, x\,] \,\, + \,\, a\,\, Cosh\, [\, 4\,\, x\,] \,\, + \,\, b\,\, Cosh\, [\, 4\,\, x
                                                                                                                                                                                                      c \cosh[4x] + c (3a - b + 3c + 4a \cosh[2x] - 4c \cosh[2x] + a \cosh[4x] + b \cosh[4x] + c \cosh[4x] + c \cosh[4x])
\left(1 + \frac{1}{2 \; (a + b + c)} \; \left(-2 \; a + 2 \; c + \sqrt{2} \; \sqrt{\left(2 \; b^2 - 8 \; a \; c + a \; (3 \; a - b + 3 \; c + 4 \; a \; Cosh[2 \; x] \; - 4 \; c \; Cosh[2 \; x] \; + a \; Cosh[4 \; x] \; + b \; Cosh[
                                                                                                                                                                                                                                         4\,x\,]\,+c\,Cosh[\,4\,x\,]\,)\,+b\,\,(3\,a-b+3\,c+4\,a\,Cosh[\,2\,x\,]\,-4\,c\,Cosh[\,2\,x\,]\,+a\,Cosh[\,4\,x\,]\,+b\,Cosh[\,4\,x\,]\,+c\,Cosh[\,4\,x\,]\,+c\,Cosh[\,4\,x\,]\,+c\,Cosh[\,4\,x\,]\,+c\,Cosh[\,4\,x\,]\,+c\,Cosh[\,4\,x\,]\,+c\,Cosh[\,4\,x\,]\,+c\,Cosh[\,4\,x\,]\,+c\,Cosh[\,4\,x\,]\,+c\,Cosh[\,4\,x\,]\,+c\,Cosh[\,4\,x\,]\,+c\,Cosh[\,4\,x\,]\,+c\,Cosh[\,4\,x\,]\,+c\,Cosh[\,4\,x\,]\,+c\,Cosh[\,4\,x\,]\,+c\,Cosh[\,4\,x\,]\,+c\,Cosh[\,4\,x\,]\,+c\,Cosh[\,4\,x\,]\,+c\,Cosh[\,4\,x\,]\,+c\,Cosh[\,4\,x\,]\,+c\,Cosh[\,4\,x\,]\,+c\,Cosh[\,4\,x\,]\,+c\,Cosh[\,4\,x\,]\,+c\,Cosh[\,4\,x\,]\,+c\,Cosh[\,4\,x\,]\,+c\,Cosh[\,4\,x\,]\,+c\,Cosh[\,4\,x\,]\,+c\,Cosh[\,4\,x\,]\,+c\,Cosh[\,4\,x\,]\,+c\,Cosh[\,4\,x\,]\,+c\,Cosh[\,4\,x\,]\,+c\,Cosh[\,4\,x\,]\,+c\,Cosh[\,4\,x\,]\,+c\,Cosh[\,4\,x\,]\,+c\,Cosh[\,4\,x\,]\,+c\,Cosh[\,4\,x\,]\,+c\,Cosh[\,4\,x\,]\,+c\,Cosh[\,4\,x\,]\,+c\,Cosh[\,4\,x\,]\,+c\,Cosh[\,4\,x\,]\,+c\,Cosh[\,4\,x\,]\,+c\,Cosh[\,4\,x\,]\,+c\,Cosh[\,4\,x\,]\,+c\,Cosh[\,4\,x\,]\,+c\,Cosh[\,4\,x\,]\,+c\,Cosh[\,4\,x\,]\,+c\,Cosh[\,4\,x\,]\,+c\,Cosh[\,4\,x\,]\,+c\,Cosh[\,4\,x\,]\,+c\,Cosh[\,4\,x\,]\,+c\,Cosh[\,4\,x\,]\,+c\,Cosh[\,4\,x\,]\,+c\,Cosh[\,4\,x\,]\,+c\,Cosh[\,4\,x\,]\,+c\,Cosh[\,4\,x\,]\,+c\,Cosh[\,4\,x\,]\,+c\,Cosh[\,4\,x\,]\,+c\,Cosh[\,4\,x\,]\,+c\,Cosh[\,4\,x\,]\,+c\,Cosh[\,4\,x\,]\,+c\,Cosh[\,4\,x\,]\,+c\,Cosh[\,4\,x\,]\,+c\,Cosh[\,4\,x\,]\,+c\,Cosh[\,4\,x\,]\,+c\,Cosh[\,4\,x\,]\,+c\,Cosh[\,4\,x\,]\,+c\,Cosh[\,4\,x\,]\,+c\,Cosh[\,4\,x\,]\,+c\,Cosh[\,4\,x\,]\,+c\,Cosh[\,4\,x\,]\,+c\,Cosh[\,4\,x\,]\,+c\,Cosh[\,4\,x\,]\,+c\,Cosh[\,4\,x\,]\,+c\,Cosh[\,4\,x\,]\,+c\,Cosh[\,4\,x\,]\,+c\,Cosh[\,4\,x\,]\,+c\,Cosh[\,4\,x\,]\,+c\,Cosh[\,4\,x\,]\,+c\,Cosh[\,4\,x\,]\,+c\,Cosh[\,4\,x\,]\,+c\,Cosh[\,4\,x\,]\,+c\,Cosh[\,4\,x\,]\,+c\,Cosh[\,4\,x\,]\,+c\,Cosh[\,4\,x\,]\,+c\,Cosh[\,4\,x\,]\,+c\,Cosh[\,4\,x\,]\,+c\,Cosh[\,4\,x\,]\,+c\,Cosh[\,4\,x\,]\,+c\,Cosh[\,4\,x\,]\,+c\,Cosh[\,4\,x\,]\,+c\,Cosh[\,4\,x\,]\,+c\,Cosh[\,4\,x\,]\,+c\,Cosh[\,4\,x\,]\,+c\,Cosh[\,4\,x\,]\,+c\,Cosh[\,4\,x\,]\,+c\,Cosh[\,4\,x\,]\,+c\,Cosh[\,4\,x\,]\,+c\,Cosh[\,4\,x\,]\,+c\,Cosh[\,4\,x\,]\,+c\,Cosh[\,4\,x\,]\,+c\,Cosh[\,4\,x\,]\,+c\,Cosh[\,4\,x\,]\,+c\,Cosh[\,4\,x\,]\,+c\,Cosh[\,4\,x\,]\,+c\,Cosh[\,4\,x\,]\,+c\,Cosh[\,4\,x\,]\,+c\,Cosh[\,4\,x\,]\,+c\,Cosh[\,4\,x\,]\,+c\,Cosh[\,4\,x\,]\,+c\,Cosh[\,4\,x\,]\,+c\,Cosh[\,4\,x\,]\,+c\,Cosh[\,4\,x\,]\,+c\,Cosh[\,4\,x\,]\,+c\,Cosh[\,4\,x\,]\,+c\,Cosh[\,4\,x\,]\,+c\,Cosh[\,4\,x\,]\,+c\,Cosh[\,4\,x\,]\,+c\,Cosh[\,4\,x\,]\,+c\,Cosh[\,4\,x\,]\,+c\,Cosh[\,4\,x\,]\,+c\,Cosh[\,4\,x\,]\,+c\,Cosh[\,4\,x\,]\,+c\,Cosh[\,4\,x\,]\,+c\,Cosh[\,4\,x\,]\,+c\,Cosh[\,4\,x\,]\,+c\,Cosh[\,4\,x\,]\,+c\,Cosh[\,4\,x\,]\,+c\,Cosh[\,4\,x\,]\,+c\,Cosh[\,4\,x\,]\,+c\,Cosh[\,4\,x\,]\,+c\,Cosh[
                                                                                                                                                                                                                                       4x]) + c (3a - b + 3c + 4a Cosh[2x] - 4c Cosh[2x] + a Cosh[4x] + b Cosh[4x] + c Cosh[4x]))
\sqrt{(3 \, a - b + 3 \, c + 4 \, (a - c) \, Cosh[2 \, x] \, + \, (a + b + c) \, Cosh[4 \, x]) \, Sech[x]^{\frac{4}{4}}} \, - \, \left| c \, Cosh[2 \, x] \, + \, (a + b + c) \, Cosh[4 \, x] \, \right| + \, (a + b + c) \, Cosh[4 \, x] \, + \, (a + b + c) \, Cosh[4 \, x] \, + \, (a + b + c) \, Cosh[4 \, x] \, + \, (a + b + c) \, Cosh[4 \, x] \, + \, (a + b + c) \, Cosh[4 \, x] \, + \, (a + b + c) \, Cosh[4 \, x] \, + \, (a + b + c) \, Cosh[4 \, x] \, + \, (a + b + c) \, Cosh[4 \, x] \, + \, (a + b + c) \, Cosh[4 \, x] \, + \, (a + b + c) \, Cosh[4 \, x] \, + \, (a + b + c) \, Cosh[4 \, x] \, + \, (a + b + c) \, Cosh[4 \, x] \, + \, (a + b + c) \, Cosh[4 \, x] \, + \, (a + b + c) \, Cosh[4 \, x] \, + \, (a + b + c) \, Cosh[4 \, x] \, + \, (a + b + c) \, Cosh[4 \, x] \, + \, (a + b + c) \, Cosh[4 \, x] \, + \, (a + b + c) \, Cosh[4 \, x] \, + \, (a + b + c) \, Cosh[4 \, x] \, + \, (a + b + c) \, Cosh[4 \, x] \, + \, (a + b + c) \, Cosh[4 \, x] \, + \, (a + b + c) \, Cosh[4 \, x] \, + \, (a + b + c) \, Cosh[4 \, x] \, + \, (a + b + c) \, Cosh[4 \, x] \, + \, (a + b + c) \, Cosh[4 \, x] \, + \, (a + b + c) \, Cosh[4 \, x] \, + \, (a + b + c) \, Cosh[4 \, x] \, + \, (a + b + c) \, Cosh[4 \, x] \, + \, (a + b + c) \, Cosh[4 \, x] \, + \, (a + b + c) \, Cosh[4 \, x] \, + \, (a + b + c) \, Cosh[4 \, x] \, + \, (a + b + c) \, Cosh[4 \, x] \, + \, (a + b + c) \, Cosh[4 \, x] \, + \, (a + b + c) \, Cosh[4 \, x] \, + \, (a + b + c) \, Cosh[4 \, x] \, + \, (a + b + c) \, Cosh[4 \, x] \, + \, (a + b + c) \, Cosh[4 \, x] \, + \, (a + b + c) \, Cosh[4 \, x] \, + \, (a + b + c) \, Cosh[4 \, x] \, + \, (a + b + c) \, Cosh[4 \, x] \, + \, (a + b + c) \, Cosh[4 \, x] \, + \, (a + b + c) \, Cosh[4 \, x] \, + \, (a + b + c) \, Cosh[4 \, x] \, + \, (a + b + c) \, Cosh[4 \, x] \, + \, (a + b + c) \, Cosh[4 \, x] \, + \, (a + b + c) \, Cosh[4 \, x] \, + \, (a + b + c) \, Cosh[4 \, x] \, + \, (a + b + c) \, Cosh[4 \, x] \, + \, (a + b + c) \, Cosh[4 \, x] \, + \, (a + b + c) \, Cosh[4 \, x] \, + \, (a + b + c) \, Cosh[4 \, x] \, + \, (a + b + c) \, Cosh[4 \, x] \, + \, (a + b + c) \, Cosh[4 \, x] \, + \, (a + b + c) \, Cosh[4 \, x] \, + \, (a + b + c) \, Cosh[4 \, x] \, + \, (a + b + c) \, Cosh[4 \, x] \, + \, (a + b + c) \, Cosh[4 \, x] \, + \, (a + b + c) \, Cosh[4 \, x] \, + \, (a + b + c) \, Cosh[
    (3 a - b + 3 c + 4 (a - c) Cosh[2x] + (a + b + c) Cosh[4x])
        2 \text{ a} \sqrt{3 \text{ a} - \text{b} + 3 \text{ c} + 4 \text{ a} \text{ Cosh}[2 \text{ x}] - 4 \text{ c} \text{ Cosh}[2 \text{ x}] + \text{a} \text{ Cosh}[4 \text{ x}] + \text{b} \text{ Cosh}[4 \text{ x}] + \text{c} \text{ Cosh}[4 \text{ x}]}
                              2 b \sqrt{3 a - b + 3 c + 4 a Cosh[2 x] - 4 c Cosh[2 x] + a Cosh[4 x] + b Cosh[4 x] + c Cosh[4 x]}
                              2 c \sqrt{3} a - b + 3 c + 4 a Cosh[2 x] - 4 c Cosh[2 x] + a Cosh[4 x] + b Cosh[4 x] + c Cosh[4 x]
\sqrt{\left(\frac{1}{2+b+a}\left(2b+4c+\sqrt{2}\sqrt{2b^2-8ac+a(3a-b+3c+4aCosh[2x]-4cCosh[2x]+aCosh[4x]+bCosh[4x]+bCosh[4x]+bCosh[4x]+bCosh[4x]+bCosh[4x]+bCosh[4x]+bCosh[4x]+bCosh[4x]+bCosh[4x]+bCosh[4x]+bCosh[4x]+bCosh[4x]+bCosh[4x]+bCosh[4x]+bCosh[4x]+bCosh[4x]+bCosh[4x]+bCosh[4x]+bCosh[4x]+bCosh[4x]+bCosh[4x]+bCosh[4x]+bCosh[4x]+bCosh[4x]+bCosh[4x]+bCosh[4x]+bCosh[4x]+bCosh[4x]+bCosh[4x]+bCosh[4x]+bCosh[4x]+bCosh[4x]+bCosh[4x]+bCosh[4x]+bCosh[4x]+bCosh[4x]+bCosh[4x]+bCosh[4x]+bCosh[4x]+bCosh[4x]+bCosh[4x]+bCosh[4x]+bCosh[4x]+bCosh[4x]+bCosh[4x]+bCosh[4x]+bCosh[4x]+bCosh[4x]+bCosh[4x]+bCosh[4x]+bCosh[4x]+bCosh[4x]+bCosh[4x]+bCosh[4x]+bCosh[4x]+bCosh[4x]+bCosh[4x]+bCosh[4x]+bCosh[4x]+bCosh[4x]+bCosh[4x]+bCosh[4x]+bCosh[4x]+bCosh[4x]+bCosh[4x]+bCosh[4x]+bCosh[4x]+bCosh[4x]+bCosh[4x]+bCosh[4x]+bCosh[4x]+bCosh[4x]+bCosh[4x]+bCosh[4x]+bCosh[4x]+bCosh[4x]+bCosh[4x]+bCosh[4x]+bCosh[4x]+bCosh[4x]+bCosh[4x]+bCosh[4x]+bCosh[4x]+bCosh[4x]+bCosh[4x]+bCosh[4x]+bCosh[4x]+bCosh[4x]+bCosh[4x]+bCosh[4x]+bCosh[4x]+bCosh[4x]+bCosh[4x]+bCosh[4x]+bCosh[4x]+bCosh[4x]+bCosh[4x]+bCosh[4x]+bCosh[4x]+bCosh[4x]+bCosh[4x]+bCosh[4x]+bCosh[4x]+bCosh[4x]+bCosh[4x]+bCosh[4x]+bCosh[4x]+bCosh[4x]+bCosh[4x]+bCosh[4x]+bCosh[4x]+bCosh[4x]+bCosh[4x]+bCosh[4x]+bCosh[4x]+bCosh[4x]+bCosh[4x]+bCosh[4x]+bCosh[4x]+bCosh[4x]+bCosh[4x]+bCosh[4x]+bCosh[4x]+bCosh[4x]+bCosh[4x]+bCosh[4x]+bCosh[4x]+bCosh[4x]+bCosh[4x]+bCosh[4x]+bCosh[4x]+bCosh[4x]+bCosh[4x]+bCosh[4x]+bCosh[4x]+bCosh[4x]+bCosh[4x]+bCosh[4x]+bCosh[4x]+bCosh[4x]+bCosh[4x]+bCosh[4x]+bCosh[4x]+bCosh[4x]+bCosh[4x]+bCosh[4x]+bCosh[4x]+bCosh[4x]+bCosh[4x]+bCosh[4x]+bCosh[4x]+bCosh[4x]+bCosh[4x]+bCosh[4x]+bCosh[4x]+bCosh[4x]+bCosh[4x]+bCosh[4x]+bCosh[4x]+bCosh[4x]+bCosh[4x]+bCosh[4x]+bCosh[4x]+bCosh[4x]+bCosh[4x]+bCosh[4x]+bCosh[4x]+bCosh[4x]+bCosh[4x]+bCosh[4x]+bCosh[4x]+bCosh[4x]+bCosh[4x]+bCosh[4x]+bCosh[4x]+bCosh[4x]+bCosh[4x]+bCosh[4x]+bCosh[4x]+bCosh[4x]+bCosh[4x]+bCosh[4x]+bCosh[4x]+bCosh[4x]+bCosh[4x]+bCosh[4x]+bCosh[4x]+bCosh[4x]+bCosh[4x]+bCosh[4x]+bCosh[4x]+bCosh[4x]+bCosh[4x]+bCosh[4x]+bCosh[4x]+bCosh[4x]+bCos
                                                                                                                                                                                       \texttt{c} \; \texttt{Cosh[4\,x])} \; + \; \texttt{b} \; (3\;\texttt{a} \; - \; \texttt{b} \; + \; 3\;\texttt{c} \; + \; 4\;\texttt{a} \; \texttt{Cosh[2\,x]} \; - \; 4\;\texttt{c} \; \texttt{Cosh[2\,x]} \; + \; \texttt{a} \; \texttt{Cosh[4\,x]} \; + \; \texttt{b} \; \texttt{Cosh[4\,x]} \; + \; \texttt{c} \; \texttt{Cosh[4\,x]}) \; + \; \texttt{c} \; \texttt{cosh[4\,x]} \; + \; \texttt{cosh[4\,x]} \; 
                                                                                                                                         c (3 a - b + 3 c + 4 a Cosh[2 x] - 4 c Cosh[2 x] + a Cosh[4 x] + b Cosh[4 x] + c Cosh[4 x]))
               ArcTanh \left[ \begin{array}{c} \sqrt{3 \, a - b + 3 \, c + 4 \, a \, Cosh[2 \, x] - 4 \, c \, Cosh[2 \, x] + a \, Cosh[4 \, x] + b \, Cosh[4 \, x] + c \, Cosh[4 \, x] - b \, Cosh[4 \, x] + b \, Cosh[4 \, x] + c \, Cosh[4 \, x] + b \, Cosh[4 \, x] + 
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           - Tanh [
                                                                   \left( \text{ (b + 2 c) } \sqrt{\text{ 3 a - b + 3 c + 4 a } \text{Cosh[2 x] - 4 c } \text{Cosh[2 x] + a } \text{Cosh[4 x] + b } \text{Cosh[4 x] + c } \text{Cosh[4 x]} \right) \\
                                                                                2\sqrt{c}\sqrt{(2b^2-8ac+a(3a-b+3c+4aCosh[2x]-4cCosh[2x]+aCosh[4x]+bCosh[4x]+cCosh[4x])}
                                                                                                                                                          b (3 a - b + 3 c + 4 a Cosh[2 x] - 4 c Cosh[2 x] + a Cosh[4 x] + b Cosh[4 x] + c Cosh[4 x]) +
                                                                                                                                                      c(3a-b+3c+4aCosh[2x]-4cCosh[2x]+aCosh[4x]+bCosh[4x]+cCosh[4x]))
                              \frac{1}{\sqrt{a+b+c}} 2 \log[2(a\sqrt{3a-b+3c+4a} + a \cosh[2x] - 4c \cosh[2x] + a \cosh[4x] + b \cosh[4x] + c \cosh[4
                                                                                                                          b\sqrt{3}a-b+3c+4a + cosh[2x]-4c + cosh[2x]+a + cosh[4x]+b + cosh[4x]+c 
                                                                                                                                         \sqrt{3} a - b + 3 c + 4 a Cosh[2 x] - 4 c Cosh[2 x] + a Cosh[4 x] + b Cosh[4 x] + c Cosh[4 x] + \sqrt{a + b + c}
                                                                                                                                         \sqrt{(2b^2 - 8ac + a(3a - b + 3c + 4aCosh[2x] - 4cCosh[2x] + aCosh[4x] + bCosh[4x] + cCosh[4x])}
                                                                                                                                                                                        b \; (3 \; a - b + 3 \; c + 4 \; a \; Cosh[2 \; x] \; - \; 4 \; c \; Cosh[2 \; x] \; + \; a \; Cosh[4 \; x] \; + \; b \; Cosh[4 \; x] \; + \; c \; Cosh[4 \; x] \; ) \; + \; c \; Cosh[4 \; x] \; ) \; + \; c \; Cosh[4 \; x] \; ) \; + \; c \; Cosh[4 \; x] \; ) \; + \; c \; Cosh[4 \; x] \; ) \; + \; c \; Cosh[4 \; x] \; ) \; + \; c \; Cosh[4 \; x] \; ) \; + \; c \; Cosh[4 \; x] \; ) \; + \; c \; Cosh[4 \; x] \; ) \; + \; c \; Cosh[4 \; x] \; ) \; + \; c \; Cosh[4 \; x] \; ) \; + \; c \; Cosh[4 \; x] \; ) \; + \; c \; Cosh[4 \; x] \; ) \; + \; c \; Cosh[4 \; x] \; ) \; + \; c \; Cosh[4 \; x] \; ) \; + \; c \; Cosh[4 \; x] \; ) \; + \; c \; Cosh[4 \; x] \; ) \; + \; c \; Cosh[4 \; x] \; ) \; + \; c \; Cosh[4 \; x] \; ) \; + \; c \; Cosh[4 \; x] \; ) \; + \; c \; Cosh[4 \; x] \; ) \; + \; c \; Cosh[4 \; x] \; ) \; + \; c \; Cosh[4 \; x] \; ) \; + \; c \; Cosh[4 \; x] \; ) \; + \; c \; Cosh[4 \; x] \; ) \; + \; c \; Cosh[4 \; x] \; ) \; + \; c \; Cosh[4 \; x] \; ) \; + \; c \; Cosh[4 \; x] \; ) \; + \; c \; Cosh[4 \; x] \; ) \; + \; c \; Cosh[4 \; x] \; ) \; + \; c \; Cosh[4 \; x] \; ) \; + \; c \; Cosh[4 \; x] \; ) \; + \; c \; Cosh[4 \; x] \; ) \; + \; c \; Cosh[4 \; x] \; ) \; + \; c \; Cosh[4 \; x] \; ) \; + \; c \; Cosh[4 \; x] \; ) \; + \; c \; Cosh[4 \; x] \; ) \; + \; c \; Cosh[4 \; x] \; ) \; + \; c \; Cosh[4 \; x] \; ) \; + \; c \; Cosh[4 \; x] \; ) \; + \; c \; Cosh[4 \; x] \; ) \; + \; c \; Cosh[4 \; x] \; ) \; + \; c \; Cosh[4 \; x] \; ) \; + \; c \; Cosh[4 \; x] \; ) \; + \; c \; Cosh[4 \; x] \; ) \; + \; c \; Cosh[4 \; x] \; ) \; + \; c \; Cosh[4 \; x] \; ) \; + \; c \; Cosh[4 \; x] \; ) \; + \; c \; Cosh[4 \; x] \; ) \; + \; c \; Cosh[4 \; x] \; ) \; + \; c \; Cosh[4 \; x] \; ) \; + \; c \; Cosh[4 \; x] \; + \; c \; Cosh[4 \; x] \; ) \; + \; c \; Cosh[4 \; x] \; + \; c \; Cosh[4 \; x] \; ) \; + \; c \; Cosh[4 \; x] \; + \; c \; Cosh[4 \; x]
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c(3a-b+3c+4aCosh[2x]-4cCosh[2x]+aCosh[4x]+bCosh[4x]+cCosh[4x])
                                                                                                                                                                                                                                                                  b \operatorname{Sech}[x]^2 \operatorname{Sinh}[2x]
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       c Sech[x]^2 Sinh[2x]
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       \sqrt{3 a - b + 3 c + 4 (a - c) \cosh[2 x] + (a + b + c) \cosh[4 x]}
                                 \sqrt{3 a - b + 3 c + 4 (a - c) \cosh[2 x] + (a + b + c) \cosh[4 x]}
                                                                                                                                                                                                                c Cosh[2x] Sech[x]^2 Sinh[2x]
                                        \sqrt{3 a - b + 3 c + 4 (a - c) \cosh[2 x] + (a + b + c) \cosh[4 x]}
    (4 \text{ a Sinh} [2 x] - 4 \text{ c Sinh} [2 x] + 2 \text{ a Sinh} [4 x] + 2 \text{ b Sinh} [4 x] + 2 \text{ c Sinh} [4 x])
    (a \ (8 \ a \ Sinh[2 \ x] \ - \ 8 \ c \ Sinh[2 \ x] \ + \ 4 \ a \ Sinh[4 \ x] \ + \ 4 \ b \ Sinh[4 \ x] \ + \ 4 \ c \ Sinh[4 \ x]) \ + \ 4 \ c \ Sinh[4 \ x]) \ + \ 4 \ c \ Sinh[4 \ x]) \ + \ 4 \ c \ Sinh[4 \ x]) \ + \ 4 \ c \ Sinh[4 \ x]) \ + \ 4 \ c \ Sinh[4 \ x]) \ + \ 4 \ c \ Sinh[4 \ x]) \ + \ 4 \ c \ Sinh[4 \ x]) \ + \ 4 \ c \ Sinh[4 \ x]) \ + \ 4 \ c \ Sinh[4 \ x]) \ + \ 4 \ c \ Sinh[4 \ x]) \ + \ 4 \ c \ Sinh[4 \ x]) \ + \ 4 \ c \ Sinh[4 \ x]) \ + \ 4 \ c \ Sinh[4 \ x]) \ + \ 4 \ c \ Sinh[4 \ x]) \ + \ 4 \ c \ Sinh[4 \ x]) \ + \ 4 \ c \ Sinh[4 \ x]) \ + \ 4 \ c \ Sinh[4 \ x]) \ + \ 4 \ c \ Sinh[4 \ x]) \ + \ 4 \ c \ Sinh[4 \ x]) \ + \ 4 \ c \ Sinh[4 \ x]) \ + \ 4 \ c \ Sinh[4 \ x]) \ + \ 4 \ c \ Sinh[4 \ x]) \ + \ 4 \ c \ Sinh[4 \ x]) \ + \ 4 \ c \ Sinh[4 \ x]) \ + \ 4 \ c \ Sinh[4 \ x]) \ + \ 4 \ c \ Sinh[4 \ x]) \ + \ 4 \ c \ Sinh[4 \ x]) \ + \ 4 \ c \ Sinh[4 \ x]) \ + \ 4 \ c \ Sinh[4 \ x]) \ + \ 4 \ c \ Sinh[4 \ x]) \ + \ 4 \ c \ Sinh[4 \ x]) \ + \ 4 \ c \ Sinh[4 \ x]) \ + \ 4 \ c \ Sinh[4 \ x]) \ + \ 4 \ c \ Sinh[4 \ x]) \ + \ 4 \ c \ Sinh[4 \ x]) \ + \ 4 \ c \ Sinh[4 \ x]) \ + \ 4 \ c \ Sinh[4 \ x]) \ + \ 4 \ c \ Sinh[4 \ x]) \ + \ 4 \ c \ Sinh[4 \ x]) \ + \ 4 \ c \ Sinh[4 \ x]) \ + \ 4 \ c \ Sinh[4 \ x]) \ + \ 4 \ c \ Sinh[4 \ x]) \ + \ 4 \ c \ Sinh[4 \ x]) \ + \ 4 \ c \ Sinh[4 \ x]) \ + \ 4 \ c \ Sinh[4 \ x]) \ + \ 4 \ c \ Sinh[4 \ x]) \ + \ 4 \ c \ Sinh[4 \ x]) \ + \ 4 \ c \ Sinh[4 \ x]) \ + \ 4 \ c \ Sinh[4 \ x]) \ + \ 4 \ c \ Sinh[4 \ x]) \ + \ 4 \ c \ Sinh[4 \ x]) \ + \ 4 \ c \ Sinh[4 \ x]) \ + \ 4 \ c \ Sinh[4 \ x]) \ + \ 4 \ c \ Sinh[4 \ x]) \ + \ 4 \ c \ Sinh[4 \ x]) \ + \ 4 \ c \ Sinh[4 \ x]) \ + \ 4 \ c \ Sinh[4 \ x]) \ + \ 4 \ c \ Sinh[4 \ x]) \ + \ 4 \ c \ Sinh[4 \ x]) \ + \ 4 \ c \ Sinh[4 \ x]) \ + \ 4 \ c \ Sinh[4 \ x]) \ + \ 4 \ c \ Sinh[4 \ x]) \ + \ 4 \ c \ Sinh[4 \ x]) \ + \ 4 \ c \ Sinh[4 \ x]) \ + \ 4 \ c \ Sinh[4 \ x]) \ + \ 4 \ c \ Sinh[4 \ x]) \ + \ 4 \ c \ Sinh[4 \ x]) \ + \ 4 \ c \ Sinh[4 \ x]) \ + \ 4 \ c \ Sinh[4 \ x]) \ + \ 4 \ c \ Sinh[4 \ x]) \ + \ 4 \ c \ Sinh[4 \ 
                                 b\ (8\ a\ Sinh[2\ x]\ -\ 8\ c\ Sinh[2\ x]\ +\ 4\ a\ Sinh[4\ x]\ +\ 4\ b\ Sinh[4\ x]\ +\ 4\ c\ Sinh[4\ x]\ )\ +\ 4\ c\ Sinh[4\ x]\ )\ +\ (8\ a\ S
                                  \texttt{c} \; \left( \; \texttt{8 a Sinh} \left[ \; \texttt{2} \; \texttt{x} \; \right] \; - \; \texttt{8 c Sinh} \left[ \; \texttt{2} \; \texttt{x} \; \right] \; + \; \texttt{4 a Sinh} \left[ \; \texttt{4} \; \texttt{x} \; \right] \; + \; \texttt{4 b Sinh} \left[ \; \texttt{4} \; \texttt{x} \; \right] \; + \; \texttt{4 c Sinh} \left[ \; \texttt{4} \; \texttt{x} \; \right] \; \right) \; 
       (b-c+c \cosh[2x]) \sqrt{3} a-b+3 c+4 a \cosh[2x]-4 c \cosh[2x]+a \cosh[4x]+b \cosh[4x]+c \cosh[4x]
       \left(2 \ b^2 - 8 \ a \ c + a \ (3 \ a - b + 3 \ c + 4 \ a \ Cosh[2 \ x] - 4 \ c \ Cosh[2 \ x] + a \ Cosh[4 \ x] + b \ Cosh[4 \ x] + c \ Cosh[4 \ x] \right) + c \ Cosh[4 \ x] + c \ 
                               \texttt{b} \; \left( \texttt{3} \; \texttt{a} - \texttt{b} + \texttt{3} \; \texttt{c} + \texttt{4} \; \texttt{a} \; \texttt{Cosh}[\, \texttt{2} \; \texttt{x} \,] \; - \; \texttt{4} \; \texttt{c} \; \texttt{Cosh}[\, \texttt{2} \; \texttt{x} \,] \; + \; \texttt{a} \; \texttt{Cosh}[\, \texttt{4} \; \texttt{x} \,] \; + \; \texttt{b} \; \texttt{Cosh}[\, \texttt{4} \; \texttt{x} \,] \; + \; \texttt{c} \; \texttt{Cosh}[\, \texttt{4} \; \texttt{x} \,] \; \right) \; + \; \texttt{cosh}[\, \texttt{4} \; \texttt{x} \,] \; + \; \texttt{cosh}[\, \texttt{4} \; \texttt{4} \; \texttt{x} \,] \; + \; \texttt{cosh}[\, \texttt{4} \; \texttt{4} \; \texttt{4} \; \texttt{4} \; \texttt{cosh}[\, \texttt{4} \; \texttt{4} 
                                 c(3a-b+3c+4aCosh[2x]-4cCosh[2x]+aCosh[4x]+bCosh[4x]+cCosh[4x])
                                                        \frac{1}{a+b+c} \left( -4 \, a - 2 \, b + \sqrt{2} \, \sqrt{2 \, b^2 - 8 \, a \, c + a \, (3 \, a - b + 3 \, c + 4 \, a \, Cosh[2 \, x] - 4 \, c \, Cosh[2 \, x] + a \, Cosh[4 \, x] + b \, 
                                                                                                                                                                                                       \texttt{c} \; \texttt{Cosh} [\, 4 \; \mathbf{x} \,] \;) \; + \; \texttt{b} \; (\, 3 \; \texttt{a} \; - \; \texttt{b} \; + \; 3 \; \texttt{c} \; + \; 4 \; \texttt{a} \; \texttt{Cosh} [\, 2 \; \mathbf{x} \,] \; - \; 4 \; \texttt{c} \; \texttt{Cosh} [\, 2 \; \mathbf{x} \,] \; + \; \texttt{a} \; \texttt{Cosh} [\, 4 \; \mathbf{x} \,] \; + \; \texttt{b} \; \texttt{Cosh} [\, 4 \; \mathbf{x} \,] \; + \; \texttt{c} \; \texttt{Cosh} [\, 4 \; \mathbf{x} \,] \;) \; + \; \texttt{c} \; \texttt{cosh} [\, 4 \; \mathbf{x} \,] \; + \; \texttt{c} \; \texttt{cosh} [\, 4 \; \mathbf{x} \,] \; + \; \texttt{c} \; \texttt{cosh} [\, 4 \; \mathbf{x} \,] \; + \; \texttt{c} \; \texttt{cosh} [\, 4 \; \mathbf{x} \,] \; + \; \texttt{c} \; \texttt{cosh} [\, 4 \; \mathbf{x} \,] \; + \; \texttt{c} \; \texttt{cosh} [\, 4 \; \mathbf{x} \,] \; + \; \texttt{c} \; \texttt{cosh} [\, 4 \; \mathbf{x} \,] \; + \; \texttt{c} \; \texttt{cosh} [\, 4 \; \mathbf{x} \,] \; + \; \texttt{c} \; \texttt{cosh} [\, 4 \; \mathbf{x} \,] \; + \; \texttt{c} \; \texttt{cosh} [\, 4 \; \mathbf{x} \,] \; + \; \texttt{c} \; \texttt{cosh} [\, 4 \; \mathbf{x} \,] \; + \; \texttt{c} \; \texttt{cosh} [\, 4 \; \mathbf{x} \,] \; + \; \texttt{c} \; \texttt{cosh} [\, 4 \; \mathbf{x} \,] \; + \; \texttt{c} \; \texttt{cosh} [\, 4 \; \mathbf{x} \,] \; + \; \texttt{c} \; \texttt{cosh} [\, 4 \; \mathbf{x} \,] \; + \; \texttt{c} \; \texttt{cosh} [\, 4 \; \mathbf{x} \,] \; + \; \texttt{c} \; \texttt{cosh} [\, 4 \; \mathbf{x} \,] \; + \; \texttt{c} \; \texttt{cosh} [\, 4 \; \mathbf{x} \,] \; + \; \texttt{c} \; \texttt{cosh} [\, 4 \; \mathbf{x} \,] \; + \; \texttt{c} \; \texttt{cosh} [\, 4 \; \mathbf{x} \,] \; + \; \texttt{c} \; \texttt{cosh} [\, 4 \; \mathbf{x} \,] \; + \; \texttt{c} \; \texttt{cosh} [\, 4 \; \mathbf{x} \,] \; + \; \texttt{c} \; \texttt{cosh} [\, 4 \; \mathbf{x} \,] \; + \; \texttt{c} \; \texttt{cosh} [\, 4 \; \mathbf{x} \,] \; + \; \texttt{c} \; \texttt{cosh} [\, 4 \; \mathbf{x} \,] \; + \; \texttt{c} \; \texttt{cosh} [\, 4 \; \mathbf{x} \,] \; + \; \texttt{c} \; \texttt{cosh} [\, 4 \; \mathbf{x} \,] \; + \; \texttt{c} \; \texttt{cosh} [\, 4 \; \mathbf{x} \,] \; + \; \texttt{c} \; \texttt{cosh} [\, 4 \; \mathbf{x} \,] \; + \; \texttt{c} \; \texttt{cosh} [\, 4 \; \mathbf{x} \,] \; + \; \texttt{c} \; \texttt{cosh} [\, 4 \; \mathbf{x} \,] \; + \; \texttt{c} \; \texttt{cosh} [\, 4 \; \mathbf{x} \,] \; + \; \texttt{c} \; \texttt{cosh} [\, 4 \; \mathbf{x} \,] \; + \; \texttt{c} \; \texttt{cosh} [\, 4 \; \mathbf{x} \,] \; + \; \texttt{c} \; \texttt{cosh} [\, 4 \; \mathbf{x} \,] \; + \; \texttt{c} \; \texttt{cosh} [\, 4 \; \mathbf{x} \,] \; + \; \texttt{c} \; \texttt{cosh} [\, 4 \; \mathbf{x} \,] \; + \; \texttt{c} \; \texttt{cosh} [\, 4 \; \mathbf{x} \,] \; + \; \texttt{c} \; \texttt{cosh} [\, 4 \; \mathbf{x} \,] \; + \; \texttt{c} \; \texttt{cosh} [\, 4 \; \mathbf{x} \,] \; + \; \texttt{c} \; \texttt{cosh} [\, 4 \; \mathbf{x} \,] \; + \; \texttt{c} \; \texttt{cosh} [\, 4 \; \mathbf{x} \,] \; + \; \texttt{c} \; \texttt{cosh} [\, 4 \; \mathbf{x} \,] \; + \; \texttt{c} \; \texttt{cosh} [\, 4 \; \mathbf{x} \,] \; + \; \texttt{c} \; \texttt{cosh} [\, 4 \; \mathbf{x} \,] \; + \; \texttt{c} \; \texttt{cosh} [\, 4 \; \mathbf{x} \,] \; + \; \texttt{c} \; \texttt{cosh} [\, 4 \; \mathbf{x} \,] \; + \; \texttt{c} \; \texttt{cosh} [\, 4 \; \mathbf{x} \,] \; + \; \texttt{c} \; \texttt{cosh} [\, 4 \; \mathbf{x} \,] \; + \;
                                                                                                                                                     c(3a-b+3c+4aCosh[2x]-4cCosh[2x]+aCosh[4x]+bCosh[4x]+cCosh[4x]))
          \left( -2\,a + 2\,c + \sqrt{2}\,\sqrt{\left(2\,b^2 - 8\,a\,c + a\,\left(3\,a - b + 3\,c + 4\,a\, \text{Cosh}[2\,x] - 4\,c\, \text{Cosh}[2\,x] + a\, \text{Cosh}[4\,x] + b\, \text{Cosh}[4\,x] + c\, \text{Cosh}[4\,x] \right) + \left( -2\,a + 2\,c + \sqrt{2}\,\sqrt{\left(2\,b^2 - 8\,a\,c + a\,\left(3\,a - b + 3\,c + 4\,a\, \text{Cosh}[2\,x] - 4\,c\, \text{Cosh}[2\,x] + a\, \text{Cosh}[4\,x] + b\, \text{Cosh}[4\,x] + c\, \text{Cosh}[4\,x] \right) \right) + \left( -2\,a + 2\,c + \sqrt{2}\,\sqrt{\left(2\,b^2 - 8\,a\,c + a\,\left(3\,a - b + 3\,c + 4\,a\, \text{Cosh}[2\,x] - 4\,c\, \text{Cosh}[2\,x] + a\, \text{Cosh}[4\,x] + b\, \text{Cosh}[4\,x] + c\, \text{Cosh}[4\,x] \right) \right) \right) + \left( -2\,a + 2\,c + \sqrt{2}\,\sqrt{\left(2\,b^2 - 8\,a\,c + a\,\left(3\,a - b + 3\,c + 4\,a\, \text{Cosh}[2\,x] - 4\,c\, \text{Cosh}[2\,x] + a\, \text{Cosh}[4\,x] + b\, \text{Cosh}[4\,x] + c\, \text{Cosh}[4\,x] + c\, \text{Cosh}[4\,x] + c\, \text{Cosh}[4\,x] \right) \right) \right) + \left( -2\,a + 2\,c + 
                                                                                                  \texttt{b} \; ( \; \texttt{3} \; \texttt{a} \; - \; \texttt{b} \; + \; \texttt{3} \; \texttt{c} \; + \; \texttt{4} \; \texttt{a} \; \texttt{Cosh} [ \; \texttt{2} \; \texttt{x} ] \; - \; \texttt{4} \; \texttt{c} \; \texttt{Cosh} [ \; \texttt{2} \; \texttt{x} ] \; + \; \texttt{a} \; \texttt{Cosh} [ \; \texttt{4} \; \texttt{x} ] \; + \; \texttt{b} \; \texttt{Cosh} [ \; \texttt{4} \; \texttt{x} ] \; + \; \texttt{c} \; \texttt{Cosh} [ \; \texttt{4} \; \texttt{x} ] \; ) \; + \; \texttt{c} \; \texttt{cosh} [ \; \texttt{4} \; \texttt{x} ] \; ) \; + \; \texttt{c} \; \texttt{cosh} [ \; \texttt{4} \; \texttt{x} ] \; ) \; + \; \texttt{cosh} [ \; \texttt{4} \; \texttt{x} ] \; + \; \texttt{cosh} [ \; \texttt{4} \; \texttt{x} ] \; + \; \texttt{cosh} [ \; \texttt{4} \; \texttt{x} ] \; ) \; + \; \texttt{cosh} [ \; \texttt{4} \; \texttt{x} ] \; ) \; + \; \texttt{cosh} [ \; \texttt{4} \; \texttt{x} ] \; ) \; + \; \texttt{cosh} [ \; \texttt{4} \; \texttt{x} ] \; ) \; + \; \texttt{cosh} [ \; \texttt{4} \; \texttt{x} ] \; ) \; + \; \texttt{cosh} [ \; \texttt{4} \; \texttt{x} ] \; ) \; + \; \texttt{cosh} [ \; \texttt{4} \; \texttt{x} ] \; ) \; + \; \texttt{cosh} [ \; \texttt{4} \; \texttt{x} ] \; ) \; + \; \texttt{cosh} [ \; \texttt{4} \; \texttt{x} ] \; ) \; + \; \texttt{cosh} [ \; \texttt{4} \; \texttt{x} ] \; ) \; + \; \texttt{cosh} [ \; \texttt{4} \; \texttt{x} ] \; ) \; + \; \texttt{cosh} [ \; \texttt{4} \; \texttt{x} ] \; ) \; + \; \texttt{cosh} [ \; \texttt{4} \; \texttt{x} ] \; ) \; + \; \texttt{cosh} [ \; \texttt{4} \; \texttt{x} ] \; ) \; + \; \texttt{cosh} [ \; \texttt{4} \; \texttt{x} ] \; ) \; + \; \texttt{cosh} [ \; \texttt{4} \; \texttt{x} ] \; ) \; + \; \texttt{cosh} [ \; \texttt{4} \; \texttt{x} ] \; ) \; + \; \texttt{cosh} [ \; \texttt{4} \; \texttt{x} ] \; ) \; + \; \texttt{cosh} [ \; \texttt{4} \; \texttt{x} ] \; ) \; + \; \texttt{cosh} [ \; \texttt{4} \; \texttt{x} ] \; ) \; + \; \texttt{cosh} [ \; \texttt{4} \; \texttt{x} ] \; ) \; + \; \texttt{cosh} [ \; \texttt{4} \; \texttt{x} ] \; ) \; + \; \texttt{cosh} [ \; \texttt{4} \; \texttt{x} ] \; ) \; + \; \texttt{cosh} [ \; \texttt{4} \; \texttt{x} ] \; ) \; + \; \texttt{cosh} [ \; \texttt{4} \; \texttt{x} ] \; ) \; + \; \texttt{cosh} [ \; \texttt{4} \; \texttt{x} ] \; ) \; + \; \texttt{cosh} [ \; \texttt{4} \; \texttt{x} ] \; ) \; + \; \texttt{cosh} [ \; \texttt{4} \; \texttt{x} ] \; ) \; + \; \texttt{cosh} [ \; \texttt{4} \; \texttt{x} ] \; ) \; + \; \texttt{cosh} [ \; \texttt{4} \; \texttt{x} ] \; ) \; + \; \texttt{cosh} [ \; \texttt{4} \; \texttt{x} ] \; ) \; + \; \texttt{cosh} [ \; \texttt{4} \; \texttt{x} ] \; ) \; + \; \texttt{cosh} [ \; \texttt{4} \; \texttt{4} \; \texttt{x} ] \; ) \; + \; \texttt{cosh} [ \; \texttt{4} \; \texttt{
                                                                                                   c(3a-b+3c+4aCosh[2x]-4cCosh[2x]+aCosh[4x]+bCosh[4x]+cCosh[4x]))
       \left(-1 + \frac{1}{2(a+b+c)} \left(-2a+2c+\sqrt{2}\sqrt{2b^2-8ac+a(3a-b+3c+4aCosh[2x]-4cCosh[2x]+aCosh[4x]+bCosh[2x]}\right)\right)
                                                                                                                                                                                                                                                              4x] + c Cosh[4x]) + b (3a - b + 3c + 4a Cosh[2x] - 4c Cosh[2x] + a Cosh[4x] + b Cosh[4x] + c C
                                                                                                                                                                                                                                                              4 \times ]) + c (3 a - b + 3 c + 4 a Cosh[2 x] - 4 c Cosh[2 x] + a Cosh[4 x] + b Cosh[4 x] + c Cosh[4 x]))
\sqrt{\left[1 + \frac{1}{2(a+b+c)} \left(-2a+2c+\sqrt{2}\sqrt{2b^2-8ac+a(3a-b+3c+4aCosh[2x]-4cCosh[2x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh
                                                                                                                                                                                                                        b\, Cosh[\, 4\, x] \, + c\, Cosh[\, 4\, x]\,) \, + b\, (\, 3\, a - b + 3\, c + 4\, a\, Cosh[\, 2\, x]\, - 4\, c\, Cosh[\, 2\, x]\, + a\, Cosh[\, 4\, x]\, + b\, Cosh[\, 4\, x]
                                                                                                                                                                                                                          c \cosh[4x] + c (3a - b + 3c + 4a \cosh[2x] - 4c \cosh[2x] + a \cosh[4x] + b \cosh[4x] + c \cosh[4x] + c \cosh[4x])
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\sqrt{(3 a - b + 3 c + 4 (a - c) Cosh[2 x] + (a + b + c) Cosh[4 x]) Sech[x]}
 (3 a - b + 3 c + 4 (a - c) Cosh[2x] + (a + b + c) Cosh[4x])
      \left(2 \text{ a} \sqrt{3 \text{ a} - \text{b} + 3 \text{ c} + 4 \text{ a} \text{ Cosh}[2 \text{ x}] - 4 \text{ c} \text{ Cosh}[2 \text{ x}] + \text{a} \text{ Cosh}[4 \text{ x}] + \text{b} \text{ Cosh}[4 \text{ x}] + \text{c} \text{cosh}[4 \text{ x}] + \text{c} \text{cosh}[4 \text{ x}] + \text
                     2 b \sqrt{3} a - b + 3 c + 4 a Cosh[2 x] - 4 c Cosh[2 x] + a Cosh[4 x] + b Cosh[4 x] + c Cosh[4 x] + c Cosh[4 x]
                     2 c \sqrt{3 a - b + 3 c + 4 a Cosh[2 x] - 4 c Cosh[2 x] + a Cosh[4 x] + b Cosh[4 x] + c Cosh[4 x]}
           ArcTanh \left[\begin{array}{c} \sqrt{3 \text{ a-b+3 c+4 a } Cosh[2 \text{ x}] - 4 \text{ c } Cosh[2 \text{ x}] + a Cosh[4 \text{ x}] + b Cosh[4 \text{ x}] + c Cos
                     \frac{1}{\sqrt{c}} \operatorname{ArcTanh} \left[ \left( (b + 2c) \sqrt{3a - b + 3c + 4a \operatorname{Cosh}[2x] - 4c \operatorname{Cosh}[2x] + a \operatorname{Cosh}[4x] + b \operatorname{Cosh}[4x] + c \operatorname{Cosh}[4x]} \right) \right]
                                                        2\sqrt{c}\sqrt{(2b^2-8ac+a(3a-b+3c+4aCosh[2x]-4cCosh[2x]+aCosh[4x]+bCosh[4x]+cCosh[4x])}
                                                                                                               b(3a-b+3c+4aCosh[2x]-4cCosh[2x]+aCosh[4x]+bCosh[4x]+cCosh[4x])+
                                                                                                              c (3 a - b + 3 c + 4 a Cosh[2 x] - 4 c Cosh[2 x] + a Cosh[4 x] + b Cosh[4 x] + c Cosh[4 x]))
                      \frac{1}{\sqrt{a+b+c}} \ 2 \ \text{Log} \left[ 2 \ \left( a \ \sqrt{3 \ a-b+3 \ c+4 \ a \ \text{Cosh}[2 \ x] - 4 \ c \ \text{Cosh}[2 \ x] + a \ \text{Cosh}[4 \ x] + b \ \text{Cosh}[4 \ x] + c \ \text{Cosh}[4 \ x] \right. \right. + \left. \left( \frac{1}{2} \ \frac
                                                                                        b\sqrt{3}a-b+3c+4a + cosh[2x]-4c + cosh[2x]+a + cosh[4x]+b + cosh[4x]+c 
                                                                                                     \sqrt{3} a - b + 3 c + 4 a Cosh[2 x] - 4 c Cosh[2 x] + a Cosh[4 x] + b Cosh[4 x] + c Cosh[4 x] + \sqrt{a + b + c}
                                                                                                     \sqrt{(2b^2 - 8ac + a(3a - b + 3c + 4aCosh[2x] - 4cCosh[2x] + aCosh[4x] + bCosh[4x] + cCosh[4x])} + cCosh[4x] + cCos
                                                                                                                                       b \; (3 \; a - b + 3 \; c + 4 \; a \; Cosh \lceil 2 \; x \rceil \; - \; 4 \; c \; Cosh \lceil 2 \; x \rceil \; + \; a \; Cosh \lceil 4 \; x \rceil \; + \; b \; Cosh \lceil 4 \; x \rceil \; + \; c \; Cosh \lceil 4 \; x \rceil \; ) \; + \; b \; Cosh \lceil 4 \; x \rceil \; ) \; + \; b \; Cosh \lceil 4 \; x \rceil \; ) \; + \; b \; Cosh \lceil 4 \; x \rceil \; ) \; + \; b \; Cosh \lceil 4 \; x \rceil \; ) \; + \; b \; Cosh \lceil 4 \; x \rceil \; ) \; + \; b \; Cosh \lceil 4 \; x \rceil \; ) \; + \; b \; Cosh \lceil 4 \; x \rceil \; ) \; + \; b \; Cosh \lceil 4 \; x \rceil \; ) \; + \; b \; Cosh \lceil 4 \; x \rceil \; ) \; + \; b \; Cosh \lceil 4 \; x \rceil \; ) \; + \; b \; Cosh \lceil 4 \; x \rceil \; ) \; + \; b \; Cosh \lceil 4 \; x \rceil \; ) \; + \; b \; Cosh \lceil 4 \; x \rceil \; ) \; + \; b \; Cosh \lceil 4 \; x \rceil \; ) \; + \; b \; Cosh \lceil 4 \; x \rceil \; ) \; + \; b \; Cosh \lceil 4 \; x \rceil \; ) \; + \; b \; Cosh \lceil 4 \; x \rceil \; ) \; + \; b \; Cosh \lceil 4 \; x \rceil \; ) \; + \; b \; Cosh \lceil 4 \; x \rceil \; ) \; + \; b \; Cosh \lceil 4 \; x \rceil \; ) \; + \; b \; Cosh \lceil 4 \; x \rceil \; ) \; + \; b \; Cosh \lceil 4 \; x \rceil \; ) \; + \; b \; Cosh \lceil 4 \; x \rceil \; ) \; + \; b \; Cosh \lceil 4 \; x \rceil \; ) \; + \; b \; Cosh \lceil 4 \; x \rceil \; ) \; + \; b \; Cosh \lceil 4 \; x \rceil \; ) \; + \; b \; Cosh \lceil 4 \; x \rceil \; ) \; + \; b \; Cosh \lceil 4 \; x \rceil \; ) \; + \; b \; Cosh \lceil 4 \; x \rceil \; ) \; + \; b \; Cosh \lceil 4 \; x \rceil \; ) \; + \; b \; Cosh \lceil 4 \; x \rceil \; ) \; + \; b \; Cosh \lceil 4 \; x \rceil \; ) \; + \; b \; Cosh \lceil 4 \; x \rceil \; ) \; + \; b \; Cosh \lceil 4 \; x \rceil \; ) \; + \; b \; Cosh \lceil 4 \; x \rceil \; ) \; + \; b \; Cosh \lceil 4 \; x \rceil \; ) \; + \; b \; Cosh \lceil 4 \; x \rceil \; ) \; + \; b \; Cosh \lceil 4 \; x \rceil \; ) \; + \; b \; Cosh \lceil 4 \; x \rceil \; ) \; + \; b \; Cosh \lceil 4 \; x \rceil \; ) \; + \; b \; Cosh \lceil 4 \; x \rceil \; ) \; + \; b \; Cosh \lceil 4 \; x \rceil \; ) \; + \; b \; Cosh \lceil 4 \; x \rceil \; ) \; + \; b \; Cosh \lceil 4 \; x \rceil \; ) \; + \; b \; Cosh \lceil 4 \; x \rceil \; ) \; + \; b \; Cosh \lceil 4 \; x \rceil \; ) \; + \; b \; Cosh \lceil 4 \; x \rceil \; ) \; + \; b \; Cosh \lceil 4 \; x \rceil \; ) \; + \; b \; Cosh \lceil 4 \; x \rceil \; ) \; + \; b \; Cosh \lceil 4 \; x \rceil \; ) \; + \; b \; Cosh \lceil 4 \; x \rceil \; ) \; + \; b \; Cosh \lceil 4 \; x \rceil \; ) \; + \; b \; Cosh \lceil 4 \; x \rceil \; ) \; + \; b \; Cosh \lceil 4 \; x \rceil \; ) \; + \; b \; Cosh \lceil 4 \; x \rceil \; ) \; + \; b \; Cosh \lceil 4 \; x \rceil \; ) \; + \; b \; Cosh \lceil 4 \; x \rceil \; ) \; + \; b \; Cosh \lceil 4 \; x \rceil \; ) \; + \; b \; Cosh \lceil 4 \; x \rceil \; ) \; + \; b \; Cosh \lceil 4 \; x \rceil \; ) \; + \; b \; Cosh \lceil 4 \; x \rceil \; ) \; + \; b \; Cosh \lceil 4 \; x \rceil \; ) \; + \; b \; Cosh \lceil 4 \; x \rceil \; ) \; + \; b \; Cosh \lceil 4 \; x \rceil \; ) \; + \; b \; Cosh \lceil 4 \; x \rceil \; ) \; 
                                                                                                                                      c (3 a - b + 3 c + 4 a Cosh[2 x] - 4 c Cosh[2 x] + a Cosh[4 x] + b Cosh[4 x] + c Cosh[4 x])) Sech[x]<sup>2</sup>
                                                                                                                                                                             b \operatorname{Sech}[x]^2 \operatorname{Sinh}[2x]
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       c Sech[x]2 Sinh[2x]
              \sqrt{3 a - b + 3 c + 4 (a - c) \cosh[2x] + (a + b + c) \cosh[4x]}
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    \sqrt{3 a - b + 3 c + 4 (a - c) \cosh[2 x] + (a + b + c) \cosh[4 x]}
                                                                                                                                           c Cosh[2x] Sech[x]^2 Sinh[2x]
                           \sqrt{3 a - b + 3 c + 4 (a - c) \cosh[2 x] + (a + b + c) \cosh[4 x]}
   (4 \text{ a Sinh}[2 \text{ x}] - 4 \text{ c Sinh}[2 \text{ x}] + 2 \text{ a Sinh}[4 \text{ x}] + 2 \text{ b Sinh}[4 \text{ x}] + 2 \text{ c Sinh}[4 \text{ x}])
 (a (8 a Sinh[2x] - 8 c Sinh[2x] + 4 a Sinh[4x] + 4 b Sinh[4x] + 4 c Sinh[4x]) +
                     b (8 a Sinh[2x] - 8 c Sinh[2x] + 4 a Sinh[4x] + 4 b Sinh[4x] + 4 c Sinh[4x]) +
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 \texttt{c} \; \left( \text{8 a Sinh[2x] - 8 c Sinh[2x] + 4 a Sinh[4x] + 4 b Sinh[4x] + 4 c Sinh[4x]} \right) \right) \left| / \left( \text{64} \; \sqrt{2} \; \left( \text{a + b + c} \right) \right) \right| 
    (b-c+c \cosh[2x]) \sqrt{3} a-b+3 c+4 a \cosh[2x]-4 c \cosh[2x]+a \cosh[4x]+b \cosh[4x]+c \cosh[4x]
   (2b^2 - 8ac + a(3a - b + 3c + 4aCosh[2x] - 4cCosh[2x] + aCosh[4x] + bCosh[4x] + cCosh[4x]) + cCosh[4x]
                   b (3 a - b + 3 c + 4 a Cosh[2x] - 4 c Cosh[2x] + a Cosh[4x] + b Cosh[4x] + c Cosh[4x]) + c Cosh[4x]) + c Cosh[4x] + c C
                     c(3a-b+3c+4aCosh[2x]-4cCosh[2x]+aCosh[4x]+bCosh[4x]+cCosh[4x])
\sqrt{\left(\frac{1}{a+b+c}\left(-4 \text{ a} - 2 \text{ b} + \sqrt{2} \sqrt{(2 \text{ b}^2 - 8 \text{ a} \text{ c} + \text{ a} (3 \text{ a} - \text{b} + 3 \text{ c} + 4 \text{ a} \text{ Cosh}[2 \text{ x}] - 4 \text{ c} \text{ Cosh}[2 \text{ x}] + \text{a} \text{ Cosh}[4 \text{ x}] + \text{b} \text{ Cosh}[4 \text{ x}] + \text{b} \text{ Cosh}[4 \text{ x}] + \text{c} \text{cosh}[4 \text{ x}] + \text{c} \text
                                                                                                                                  \verb| c Cosh[4x]| + b (3a - b + 3c + 4a Cosh[2x] - 4c Cosh[2x] + a Cosh[4x] + b Cosh[4x] + c Cosh[4x]) + c Cosh[4x] + c Co
                                                                                               c(3a-b+3c+4aCosh[2x]-4cCosh[2x]+aCosh[4x]+bCosh[4x]+cCosh[4x]))
 \left(-2\,a + 2\,c + \sqrt{2}\,\,\sqrt{\left(2\,b^2 - 8\,a\,c + a\,\left(3\,a - b + 3\,c + 4\,a\,Cosh[2\,x] - 4\,c\,Cosh[2\,x] + a\,Cosh[4\,x] + b\,Cosh[4\,x] + b\,Cosh[4\,x] + c\,Cosh[4\,x]\right) + a\,Cosh[4\,x] + b\,Cosh[4\,x] + b\,C
                                                                 b (3 a - b + 3 c + 4 a Cosh[2 x] - 4 c Cosh[2 x] + a Cosh[4 x] + b Cosh[4 x] + c Cosh[4 x]) +
                                                               c (3 a - b + 3 c + 4 a Cosh[2 x] - 4 c Cosh[2 x] + a Cosh[4 x] + b Cosh[4 x] + c Cosh[4 x]))
\sqrt{\left(\frac{1}{a+b+c}\left(2\,b+4\,c+\sqrt{2}\,\sqrt{\left(2\,b^2-8\,a\,c+a\,\left(3\,a-b+3\,c+4\,a\,Cosh[2\,x]-4\,c\,Cosh[2\,x]+a\,Cosh[4\,x]+b\,Cosh[4\,x]\right.\right)\right)}
                                                                                                                                \verb| c Cosh[4x]| + b (3a - b + 3c + 4a Cosh[2x] - 4c Cosh[2x] + a Cosh[4x] + b Cosh[4x] + c Cosh[4x]) + c Cosh[4x] + c Co
                                                                                               c (3 a - b + 3 c + 4 a Cosh[2 x] - 4 c Cosh[2 x] + a Cosh[4 x] + b Cosh[4 x] + c Cosh[4 x]))
\sqrt{\left[-1 + \frac{1}{2(a+b+c)} \left(-2a+2c+\sqrt{2}\sqrt{2b^2-8ac+a(3a-b+3c+4aCosh[2x]-4cCosh[2x]+aCosh[4x]+\frac{1}{2(a+b+c)}\right]}\right]}
                                                                                                                                          b \, Cosh[\, 4 \, x] \, + c \, Cosh[\, 4 \, x]\,) \, + b \, (3 \, a - b + 3 \, c + 4 \, a \, Cosh[\, 2 \, x] \, - \, 4 \, c \, Cosh[\, 2 \, x] \, + a \, Cosh[\, 4 \, x] \, + b \, C
                                                                                                                                          \sqrt{1 + \frac{1}{2(a+b+c)}} \left( -2a + 2c + \sqrt{2} \sqrt{2b^2 - 8ac + a(3a-b+3c+4a\cosh[2x] - 4c\cosh[2x] + a\cosh[4x] + \frac{1}{2(a+b+c)} \sqrt{1 + \frac{1}{2(a+b+c)}} \right) + \frac{1}{2(a+b+c)} \left( -2a + 2c + \sqrt{2} \sqrt{2b^2 - 8ac + a(3a-b+3c+4a\cosh[2x] - 4c\cosh[2x] + a\cosh[4x] + \frac{1}{2(a+b+c)} \sqrt{1 + \frac{1}{2(a+b+c)}} \right) + \frac{1}{2(a+b+c)} \left( -2a + 2c + \sqrt{2} \sqrt{2b^2 - 8ac + a(3a-b+3c+4a\cosh[2x] - 4c\cosh[2x] + a\cosh[4x] + a\cosh[4x] + \frac{1}{2(a+b+c)} \sqrt{1 + \frac{1}{2(a+b+c)}} \right) + \frac{1}{2(a+b+c)} \left( -2a + 2c + \sqrt{2} \sqrt{2b^2 - 8ac + a(3a-b+3c+4a\cosh[2x] - 4c\cosh[2x] + a\cosh[2x] + a\cosh[4x] + ah^2 + a
                                                                                                                                           b \, Cosh[4 \, x] + c \, Cosh[4 \, x]) + b \, (3 \, a - b + 3 \, c + 4 \, a \, Cosh[2 \, x] - 4 \, c \, Cosh[2 \, x] + a \, Cosh[4 \, x] + b \, Cosh[4 \,
                                                                                                                                          c \cosh[4x] + c (3a - b + 3c + 4a \cosh[2x] - 4c \cosh[2x] + a \cosh[4x] + b \cosh[4x] + c \cosh[4x])
 \sqrt{(3 \text{ a - b + 3 c + 4 (a - c) } \text{Cosh[2 x] + (a + b + c) } \text{Cosh[4 x])} \text{ Sech[x]}^{4}} \mid - \mid \text{c Cosh[2 x]}
    (3 a - b + 3 c + 4 (a - c) Cosh[2x] + (a + b + c) Cosh[4x])
      2 \text{ a} \sqrt{3 \text{ a} - \text{b} + 3 \text{ c} + 4 \text{ a} \text{ Cosh}[2 \text{ x}] - 4 \text{ c} \text{ Cosh}[2 \text{ x}] + \text{a} \text{ Cosh}[4 \text{ x}] + \text{b} \text{ Cosh}[4 \text{ x}] + \text{c} \text{ Cosh}[4 \text{ x}]}
                     2 b \sqrt{3} a - b + 3 c + 4 a Cosh[2 x] - 4 c Cosh[2 x] + a Cosh[4 x] + b Cosh[4 x] + c Cosh[4 x] + c Cosh[4 x]
                     2 c \sqrt{3} a - b + 3 c + 4 a Cosh[2 x] - 4 c Cosh[2 x] + a Cosh[4 x] + b Cosh[4 x] + c Cosh[4 x]
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\sqrt{\left(\frac{1}{a+b+c}\left(2\,b+4\,c+\sqrt{2}\,\sqrt{\left(2\,b^2-8\,a\,c+a\,\left(3\,a-b+3\,c+4\,a\,Cosh[2\,x]-4\,c\,Cosh[2\,x]+a\,Cosh[4\,x]+b\,Cosh[4\,x]\right.\right)}\right)}
                                                                                                                                                                              c \, Cosh[4 \, x]) + b \, (3 \, a - b + 3 \, c + 4 \, a \, Cosh[2 \, x] - 4 \, c \, Cosh[2 \, x] + a \, Cosh[4 \, x] + b \, Cosh[4 \, x] + c \, Cosh[4 \, x]) + c \, Cosh[4 \, x]) + c \, Cosh[4 \, x]) + c \, Cosh[4 \, x] + c \, Cosh[4 \, x]) + c \, Cosh[4 \, x] + c \, Cosh[4 \, x]) + c \, Cosh[4 \, x] + c \, Cosh[4 \, x]) + c \, Cosh[4 \, x] + c \, Cosh[4 \, x]) + c \, Cosh[4 \, x] + c \, Cosh[4 \, x]) + c \, Cosh[4 \, x] + c \, Cosh[4 \, x]) + c \, Cosh[4 \, x] + c \, Cosh[4 \, x]) + c \, Cosh[4 \, x] + c \, Cosh[4 \, x]) + c \, Cosh[4 \, x] + c \, Cosh[4 \, x]) + c \, Cosh[4 \, x] + c \, Cosh[4 \, x]) + c \, Cosh[4 \, x] + c \, Cosh[4 \, x]) + c \, Cosh[4 \, x] + c \, Cosh[4 \, x]) + c \, Cosh[4 \, x] + c \, Cosh[4 \, x]) + c \, Cosh[4 \, x] + c \, Cosh[4 \, x]) + c \, Cosh[4 \, x] + c \, Cosh[4 \, x]) + c \, Cosh[4 \, x] + c \, Cosh[4 \, x]) + c \, Cosh[4 \, x] + c \, Cosh[4 \, x]) + c \, Cosh[4 \, x] + c \, Cosh[4 \, x]) + c \, Cosh[4 \, x] + c \, Cosh[4 \, x]) + c \, Cosh[4 \, x] + c \, Cosh[4 \, x]) + c \, Cosh[4 \, x] + c \, Cosh[4 \, x]) + c \, Cosh[4 \, x] + c \, Cosh[4 \, x]) + c \, Cosh[4 \, x] + c \, Cosh[4 \, x]) + c \, Cosh[4 \, x] + c \, Cosh[4 \, x]) + c \, Cosh[4 \, x] + c \, Cosh[4 \, x]) + c \, Cosh[4 \, x] + c \, Cosh[4 \, x]) + c \, Cosh[4 \, x] + c \, Cosh[4 \, x]) + c \, Cosh[4 \, x] + c \, Cosh[4 \, x]) + c \, Cosh[4 \, x] + c \, Cosh[4 \, x] + c \, Cosh[4 \, x]) + c \, Cosh[4 \, x] 
                                                                                                                                      c(3a-b+3c+4aCosh[2x]-4cCosh[2x]+aCosh[4x]+bCosh[4x]+cCosh[4x]))
                                 ArcTanh \left[ \right. \left. \frac{\sqrt{\,3\,a - b + 3\,c + 4\,a\,Cosh[\,2\,x] - 4\,c\,Cosh[\,2\,x] + a\,Cosh[\,4\,x] + b\,Cosh[\,4\,x]}}{2\,a - b + 3\,c + 4\,a\,Cosh[\,2\,x] - 4\,c\,Cosh[\,2\,x] + a\,Cosh[\,4\,x]} \right] + c\,Cosh[\,4\,x] + a\,Cosh[\,4\,x] 
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            \frac{1}{\sqrt{c}} ArcTanh
                                                                                (b+2c)\sqrt{3a-b+3c+4a Cosh[2x]-4c Cosh[2x]+a Cosh[4x]+b Cosh[4x]+c Cosh[4x]}
                                                                                        \left(2\,\sqrt{c}\,\,\sqrt{\,\left(2\,b^2-8\,a\,c+a\,\left(3\,a-b+3\,c+4\,a\,Cosh[\,2\,x\,]\,-4\,c\,Cosh[\,2\,x\,]\,+a\,Cosh[\,4\,x\,]\,+b\,Cosh[\,4\,x\,]\,+c\,Cosh[\,4\,x\,]\,\right)}\right. + \\ \left(2\,\sqrt{c}\,\,\sqrt{\,\left(2\,b^2-8\,a\,c+a\,\left(3\,a-b+3\,c+4\,a\,Cosh[\,2\,x\,]\,-4\,c\,Cosh[\,2\,x\,]\,+a\,Cosh[\,4\,x\,]\,+b\,Cosh[\,4\,x\,]\,+c\,Cosh[\,4\,x\,]\,\right)}\right) + \\ \left(2\,\sqrt{c}\,\,\sqrt{\,\left(2\,b^2-8\,a\,c+a\,\left(3\,a-b+3\,c+4\,a\,Cosh[\,2\,x\,]\,-4\,c\,Cosh[\,2\,x\,]\,+a\,Cosh[\,4\,x\,]\,+b\,Cosh[\,4\,x\,]\,+b\,Cosh[\,4\,x\,]\,\right)}\right) + \\ \left(2\,\sqrt{c}\,\,\sqrt{\,\left(2\,b^2-8\,a\,c+a\,\left(3\,a-b+3\,c+4\,a\,Cosh[\,2\,x\,]\,-4\,c\,Cosh[\,2\,x\,]\,+a\,Cosh[\,4\,x\,]\,+b\,Cosh[\,4\,x\,]\,+b\,Cosh[\,4\,x\,]\,+c\,Cosh[\,4\,x\,]\,\right)}\right)}\right) + \\ \left(2\,\sqrt{c}\,\,\sqrt{\,\left(2\,b^2-8\,a\,c+a\,\left(3\,a-b+3\,c+4\,a\,Cosh[\,2\,x\,]\,-4\,c\,Cosh[\,2\,x\,]\,+a\,Cosh[\,4\,x\,]\,+b\,Cosh[\,4\,x\,]\,+c\,Cosh[\,4\,x\,]\,+c\,Cosh[\,4\,x\,]\,+c\,Cosh[\,4\,x\,]\,+c\,Cosh[\,4\,x\,]\,+c\,Cosh[\,4\,x\,]\,+c\,Cosh[\,4\,x\,]\,+c\,Cosh[\,4\,x\,]\,+c\,Cosh[\,4\,x\,]\,+c\,Cosh[\,4\,x\,]\,+c\,Cosh[\,4\,x\,]\,+c\,Cosh[\,4\,x\,]\,+c\,Cosh[\,4\,x\,]\,+c\,Cosh[\,4\,x\,]\,+c\,Cosh[\,4\,x\,]\,+c\,Cosh[\,4\,x\,]\,+c\,Cosh[\,4\,x\,]\,+c\,Cosh[\,4\,x\,]\,+c\,Cosh[\,4\,x\,]\,+c\,Cosh[\,4\,x\,]\,+c\,Cosh[\,4\,x\,]\,+c\,Cosh[\,4\,x\,]\,+c\,Cosh[\,4\,x\,]\,+c\,Cosh[\,4\,x\,]\,+c\,Cosh[\,4\,x\,]\,+c\,Cosh[\,4\,x\,]\,+c\,Cosh[\,4\,x\,]\,+c\,Cosh[\,4\,x\,]\,+c\,Cosh[\,4\,x\,]\,+c\,Cosh[\,4\,x\,]\,+c\,Cosh[\,4\,x\,]\,+c\,Cosh[\,4\,x\,]\,+c\,Cosh[\,4\,x\,]\,+c\,Cosh[\,4\,x\,]\,+c\,Cosh[\,4\,x\,]\,+c\,Cosh[\,4\,x\,]\,+c\,Cosh[\,4\,x\,]\,+c\,Cosh[\,4\,x\,]\,+c\,Cosh[\,4\,x\,]\,+c\,Cosh[\,4\,x\,]\,+c\,Cosh[\,4\,x\,]\,+c\,Cosh[\,4\,x\,]\,+c\,Cosh[\,4\,x\,]\,+c\,Cosh[\,4\,x\,]\,+c\,Cosh[\,4\,x\,]\,+c\,Cosh[\,4\,x\,]\,+c\,Cosh[\,4\,x\,]\,+c\,Cosh[\,4\,x\,]\,+c\,Cosh[\,4\,x\,]\,+c\,Cosh[\,4\,x\,]\,+c\,Cosh[\,4\,x\,]\,+c\,Cosh[\,4\,x\,]\,+c\,Cosh[\,4\,x\,]\,+c\,Cosh[\,4\,x\,]\,+c\,Cosh[\,4\,x\,]\,+c\,Cosh[\,4\,x\,]\,+c\,Cosh[\,4\,x\,]\,+c\,Cosh[\,4\,x\,]\,+c\,Cosh[\,4\,x\,]\,+c\,Cosh[\,4\,x\,]\,+c\,Cosh[\,4\,x\,]\,+c\,Cosh[\,4\,x\,]\,+c\,Cosh[\,4\,x\,]\,+c\,Cosh[\,4\,x\,]\,+c\,Cosh[\,4\,x\,]\,+c\,Cosh[\,4\,x\,]\,+c\,Cosh[\,4\,x\,]\,+c\,Cosh[\,4\,x\,]\,+c\,Cosh[\,4\,x\,]\,+c\,Cosh[\,4\,x\,]\,+c\,Cosh[\,4\,x\,]\,+c\,Cosh[\,4\,x\,]\,+c\,Cosh[\,4\,x\,]\,+c\,Cosh[\,4\,x\,]\,+c\,Cosh[\,4\,x\,]\,+c\,Cosh[\,4\,x\,]\,+c\,Cosh[\,4\,x\,]\,+c\,Cosh[\,4\,x\,]\,+c\,Cosh[\,4\,x\,]\,+c\,Cosh[\,4\,x\,]\,+c\,Cosh[\,4\,x\,]\,+c\,Cosh[\,4\,x\,]\,+c\,Cosh[\,4\,x\,]\,+c\,Cosh[\,4\,x\,]\,+c\,Cosh[\,4\,x\,]\,+c\,Cosh[\,4\,x\,]\,+c\,Cosh[\,4\,x\,]\,+c\,Cosh[\,4\,x\,]\,+c\,Cosh[\,4\,x\,]\,+c\,Cosh[\,4\,x\,]\,+c\,Cosh[\,4\,x\,]\,+c\,Cosh[\,4\,x\,]\,+c\,Cosh[\,4\,x\,]\,+c\,Cosh[\,4\,x\,]\,+c\,Cosh[\,4\,
                                                                                                                                                    b\;(3\;a-b+3\;c+4\;a\;Cosh[\,2\;x]\;-4\;c\;Cosh[\,2\;x]\;+a\;Cosh[\,4\;x]\;+b\;Cosh[\,4\;x]\;+c\;Cosh[\,4\;x]\;)\;+\\
                                                                                                                                                  c(3a-b+3c+4aCosh[2x]-4cCosh[2x]+aCosh[4x]+bCosh[4x]+cCosh[4x]))
                                               \frac{1}{\sqrt{a+b+c}} 2 \log \left[ 2 \left( a \sqrt{3 a-b+3 c+4 a \cosh[2 x]-4 c \cosh[2 x]+a \cosh[4 x]+b \cosh[4 x]+b \cosh[4 x]+c \cosh[4 x]} \right. \right. + \\ \left. \frac{1}{\sqrt{a+b+c}} \left( a \sqrt{3 a-b+3 c+4 a \cosh[2 x]-4 c \cosh[2 x]+a \cosh[4 x]+b \cosh[4 x]+b \cosh[4 x]+c \cosh[4 x]} \right) \right] + \\ \left[ \frac{1}{\sqrt{a+b+c}} \left( a \sqrt{3 a-b+3 c+4 a \cosh[2 x]-4 c \cosh[2 x]+a \cosh[4 x]+b \cosh[4 x]+b \cosh[4 x]+c \cosh[4 x]+
                                                                                                                         b\,\sqrt{\,3\,a-b+3\,c+4\,a\,Cosh[\,2\,x]\,-4\,c\,Cosh[\,2\,x]\,+a\,Cosh[\,4\,x]\,+b\,Cosh[\,4\,x]\,+c\,Cosh[\,4\,x]\,+c\,Cosh[\,4\,x]\,+c\,Cosh[\,4\,x]\,+c\,Cosh[\,4\,x]\,+c\,Cosh[\,4\,x]\,+c\,Cosh[\,4\,x]\,+c\,Cosh[\,4\,x]\,+c\,Cosh[\,4\,x]\,+c\,Cosh[\,4\,x]\,+c\,Cosh[\,4\,x]\,+c\,Cosh[\,4\,x]\,+c\,Cosh[\,4\,x]\,+c\,Cosh[\,4\,x]\,+c\,Cosh[\,4\,x]\,+c\,Cosh[\,4\,x]\,+c\,Cosh[\,4\,x]\,+c\,Cosh[\,4\,x]\,+c\,Cosh[\,4\,x]\,+c\,Cosh[\,4\,x]\,+c\,Cosh[\,4\,x]\,+c\,Cosh[\,4\,x]\,+c\,Cosh[\,4\,x]\,+c\,Cosh[\,4\,x]\,+c\,Cosh[\,4\,x]\,+c\,Cosh[\,4\,x]\,+c\,Cosh[\,4\,x]\,+c\,Cosh[\,4\,x]\,+c\,Cosh[\,4\,x]\,+c\,Cosh[\,4\,x]\,+c\,Cosh[\,4\,x]\,+c\,Cosh[\,4\,x]\,+c\,Cosh[\,4\,x]\,+c\,Cosh[\,4\,x]\,+c\,Cosh[\,4\,x]\,+c\,Cosh[\,4\,x]\,+c\,Cosh[\,4\,x]\,+c\,Cosh[\,4\,x]\,+c\,Cosh[\,4\,x]\,+c\,Cosh[\,4\,x]\,+c\,Cosh[\,4\,x]\,+c\,Cosh[\,4\,x]\,+c\,Cosh[\,4\,x]\,+c\,Cosh[\,4\,x]\,+c\,Cosh[\,4\,x]\,+c\,Cosh[\,4\,x]\,+c\,Cosh[\,4\,x]\,+c\,Cosh[\,4\,x]\,+c\,Cosh[\,4\,x]\,+c\,Cosh[\,4\,x]\,+c\,Cosh[\,4\,x]\,+c\,Cosh[\,4\,x]\,+c\,Cosh[\,4\,x]\,+c\,Cosh[\,4\,x]\,+c\,Cosh[\,4\,x]\,+c\,Cosh[\,4\,x]\,+c\,Cosh[\,4\,x]\,+c\,Cosh[\,4\,x]\,+c\,Cosh[\,4\,x]\,+c\,Cosh[\,4\,x]\,+c\,Cosh[\,4\,x]\,+c\,Cosh[\,4\,x]\,+c\,Cosh[\,4\,x]\,+c\,Cosh[\,4\,x]\,+c\,Cosh[\,4\,x]\,+c\,Cosh[\,4\,x]\,+c\,Cosh[\,4\,x]\,+c\,Cosh[\,4\,x]\,+c\,Cosh[\,4\,x]\,+c\,Cosh[\,4\,x]\,+c\,Cosh[\,4\,x]\,+c\,Cosh[\,4\,x]\,+c\,Cosh[\,4\,x]\,+c\,Cosh[\,4\,x]\,+c\,Cosh[\,4\,x]\,+c\,Cosh[\,4\,x]\,+c\,Cosh[\,4\,x]\,+c\,Cosh[\,4\,x]\,+c\,Cosh[\,4\,x]\,+c\,Cosh[\,4\,x]\,+c\,Cosh[\,4\,x]\,+c\,Cosh[\,4\,x]\,+c\,Cosh[\,4\,x]\,+c\,Cosh[\,4\,x]\,+c\,Cosh[\,4\,x]\,+c\,Cosh[\,4\,x]\,+c\,Cosh[\,4\,x]\,+c\,Cosh[\,4\,x]\,+c\,Cosh[\,4\,x]\,+c\,Cosh[\,4\,x]\,+c\,Cosh[\,4\,x]\,+c\,Cosh[\,4\,x]\,+c\,Cosh[\,4\,x]\,+c\,Cosh[\,4\,x]\,+c\,Cosh[\,4\,x]\,+c\,Cosh[\,4\,x]\,+c\,Cosh[\,4\,x]\,+c\,Cosh[\,4\,x]\,+c\,Cosh[\,4\,x]\,+c\,Cosh[\,4\,x]\,+c\,Cosh[\,4\,x]\,+c\,Cosh[\,4\,x]\,+c\,Cosh[\,4\,x]\,+c\,Cosh[\,4\,x]\,+c\,Cosh[\,4\,x]\,+c\,Cosh[\,4\,x]\,+c\,Cosh[\,4\,x]\,+c\,Cosh[\,4\,x]\,+c\,Cosh[\,4\,x]\,+c\,Cosh[\,4\,x]\,+c\,Cosh[\,4\,x]\,+c\,Cosh[\,4\,x]\,+c\,Cosh[\,4\,x]\,+c\,Cosh[\,4\,x]\,+c\,Cosh[\,4\,x]\,+c\,Cosh[\,4\,x]\,+c\,Cosh[\,4\,x]\,+c\,Cosh[\,4\,x]\,+c\,Cosh[\,4\,x]\,+c\,Cosh[\,4\,x]\,+c\,Cosh[\,4\,x]\,+c\,Cosh[\,4\,x]\,+c\,Cosh[\,4\,x]\,+c\,Cosh[\,4\,x]\,+c\,Cosh[\,4\,x]\,+c\,Cosh[\,4\,x]\,+c\,Cosh[\,4\,x]\,+c\,Cosh[\,4\,x]\,+c\,Cosh[\,4\,x]\,+c\,Cosh[\,4\,x]\,+c\,Cosh[\,4\,x]\,+c\,Cosh[\,4\,x]\,+c\,Cosh[\,4\,x]\,+c\,Cosh[\,4\,x]\,+c\,Cosh[\,4\,x]\,+c\,Cosh[\,4\,x]\,+c\,Cosh[\,4\,x]\,+c\,Cosh[\,4\,x]\,+c\,Cosh[\,4\,x]\,+c\,Cosh[\,4\,x]\,+c\,Cosh[\,4\,x]\,+c\,Cosh[\,4
                                                                                                                                       \sqrt{3} a - b + 3 c + 4 a Cosh[2 x] - 4 c Cosh[2 x] + a Cosh[4 x] + b Cosh[4 x] + c Cosh[4 x] + \sqrt{a + b + c}
                                                                                                                                       \sqrt{(2b^2 - 8ac + a(3a - b + 3c + 4aCosh[2x] - 4cCosh[2x] + aCosh[4x] + bCosh[4x] + cCosh[4x])} + cCosh[4x] + cCos
                                                                                                                                                                             b \; (3 \; a - b + 3 \; c + 4 \; a \; Cosh[2 \; x] \; - \; 4 \; c \; Cosh[2 \; x] \; + \; a \; Cosh[4 \; x] \; + \; b \; Cosh[4 \; x] \; + \; c \; Cosh[4 \; x] \; ) \; + \; c \; Cosh[4 \; x] \; ) \; + \; c \; Cosh[4 \; x] \; ) \; + \; c \; Cosh[4 \; x] \; ) \; + \; c \; Cosh[4 \; x] \; ) \; + \; c \; Cosh[4 \; x] \; ) \; + \; c \; Cosh[4 \; x] \; ) \; + \; c \; Cosh[4 \; x] \; ) \; + \; c \; Cosh[4 \; x] \; ) \; + \; c \; Cosh[4 \; x] \; ) \; + \; c \; Cosh[4 \; x] \; ) \; + \; c \; Cosh[4 \; x] \; ) \; + \; c \; Cosh[4 \; x] \; ) \; + \; c \; Cosh[4 \; x] \; ) \; + \; c \; Cosh[4 \; x] \; ) \; + \; c \; Cosh[4 \; x] \; ) \; + \; c \; Cosh[4 \; x] \; ) \; + \; c \; Cosh[4 \; x] \; ) \; + \; c \; Cosh[4 \; x] \; ) \; + \; c \; Cosh[4 \; x] \; ) \; + \; c \; Cosh[4 \; x] \; ) \; + \; c \; Cosh[4 \; x] \; ) \; + \; c \; Cosh[4 \; x] \; ) \; + \; c \; Cosh[4 \; x] \; ) \; + \; c \; Cosh[4 \; x] \; ) \; + \; c \; Cosh[4 \; x] \; ) \; + \; c \; Cosh[4 \; x] \; ) \; + \; c \; Cosh[4 \; x] \; ) \; + \; c \; Cosh[4 \; x] \; ) \; + \; c \; Cosh[4 \; x] \; ) \; + \; c \; Cosh[4 \; x] \; ) \; + \; c \; Cosh[4 \; x] \; ) \; + \; c \; Cosh[4 \; x] \; ) \; + \; c \; Cosh[4 \; x] \; ) \; + \; c \; Cosh[4 \; x] \; ) \; + \; c \; Cosh[4 \; x] \; ) \; + \; c \; Cosh[4 \; x] \; ) \; + \; c \; Cosh[4 \; x] \; ) \; + \; c \; Cosh[4 \; x] \; ) \; + \; c \; Cosh[4 \; x] \; ) \; + \; c \; Cosh[4 \; x] \; ) \; + \; c \; Cosh[4 \; x] \; ) \; + \; c \; Cosh[4 \; x] \; ) \; + \; c \; Cosh[4 \; x] \; ) \; + \; c \; Cosh[4 \; x] \; ) \; + \; c \; Cosh[4 \; x] \; ) \; + \; c \; Cosh[4 \; x] \; ) \; + \; c \; Cosh[4 \; x] \; ) \; + \; c \; Cosh[4 \; x] \; ) \; + \; c \; Cosh[4 \; x] \; ) \; + \; c \; Cosh[4 \; x] \; ) \; + \; c \; Cosh[4 \; x] \; + \; c \; Cosh[4 \; x] \; ) \; + \; c \; Cosh[4 \; x] \; + \; c \; Cosh[4 \; x] \; ) \; + \; c \; Cosh[4 \; x] 
                                                                                                                                                                              c (3 \text{ a - b + 3 c + 4 a } Cosh[2 \text{ x}] - 4 \text{ c } Cosh[2 \text{ x}] + a Cosh[4 \text{ x}] + b Cosh[4 \text{ x}] + c Cosh[4 \text{ x}])) Sech[x]<sup>2</sup>
                                                                                                                                                                                                                        b \operatorname{Sech}[x]^2 \operatorname{Sinh}[2x]
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    \sqrt{3 a - b + 3 c + 4 (a - c) \cosh[2 x] + (a + b + c) \cosh[4 x]}
                                  \sqrt{3 a - b + 3 c + 4 (a - c) \cosh[2 x] + (a + b + c) \cosh[4 x]}
                                                                                                                                                                                   c Cosh[2x] Sech[x]^2 Sinh[2x]
                                                   \sqrt{3 a - b + 3 c + 4 (a - c) \cosh[2 x] + (a + b + c) \cosh[4 x]}
                       (4 \text{ a Sinh}[2 \text{ x}] - 4 \text{ c Sinh}[2 \text{ x}] + 2 \text{ a Sinh}[4 \text{ x}] + 2 \text{ b Sinh}[4 \text{ x}] + 2 \text{ c Sinh}[4 \text{ x}])
                       b (8 a Sinh[2x] - 8 c Sinh[2x] + 4 a Sinh[4x] + 4 b Sinh[4x] + 4 c Sinh[4x]) +
                                             \verb|c| (8 a Sinh[2x] - 8 c Sinh[2x] + 4 a Sinh[4x] + 4 b Sinh[4x] + 4 c Sinh[4x])) |
32\sqrt{2} (b-c+c \, Cosh[2 \, x]) \sqrt{3 \, a-b+3 \, c+4 \, a \, Cosh[2 \, x]-4 \, c \, Cosh[2 \, x]+a \, Cosh[4 \, x]+b \, Cosh[4 \, x]+c \, Cos
                       (2b^2 - 8ac + a(3a - b + 3c + 4aCosh[2x] - 4cCosh[2x] + aCosh[4x] + bCosh[4x] + cCosh[4x]) + cCosh[4x]
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 \texttt{b} \; (3 \; \texttt{a} \; - \; \texttt{b} \; + \; \texttt{3} \; \texttt{c} \; + \; \texttt{4} \; \texttt{a} \; \texttt{Cosh} [\; 2 \; \texttt{x}\;] \; - \; \texttt{4} \; \texttt{c} \; \texttt{Cosh} [\; 2 \; \texttt{x}\;] \; + \; \texttt{a} \; \texttt{Cosh} [\; 4 \; \texttt{x}\;] \; + \; \texttt{b} \; \texttt{Cosh} [\; 4 \; \texttt{x}\;] \; + \; \texttt{c} \; \texttt{Cosh} [\; 4 \; \texttt{x}\;] \; ) \; + \; \texttt{c} \; \texttt{cosh} [\; 4 \; \texttt{x}\;] \; + \; \texttt{c} \; \texttt{cosh} [\; 4 \; \texttt{x}\;] \; ) \; + \; \texttt{cosh} [\; 4 \; \texttt{x}\;] \; + \; \texttt{cosh} [\; 4 \; \texttt
                          c(3a-b+3c+4aCosh[2x]-4cCosh[2x]+aCosh[4x]+bCosh[4x]+cCosh[4x])
 \sqrt{\left[\frac{1}{a+b+c}\left(-4 \text{ a} - 2 \text{ b} + \sqrt{2} \right. \sqrt{\left(2 \text{ b}^2 - 8 \text{ a} \text{ c} + \text{ a} \left(3 \text{ a} - \text{ b} + 3 \text{ c} + 4 \text{ a} \text{ Cosh}[2 \text{ x}] - 4 \text{ c} \text{ Cosh}[2 \text{ x}] + \text{ a} \text{ Cosh}[4 \text{ x}] + \text{ b} \text{ Cosh}[4 \text{ x}] + \text{ b} \text{ Cosh}[4 \text{ x}] + \text{ b} \text{ Cosh}[4 \text{ x}] + \text{ cosh}[4
                                                                                                                                                       \verb|cCosh[4x]| + b(3a - b + 3c + 4aCosh[2x] - 4cCosh[2x] + aCosh[4x] + bCosh[4x] + cCosh[4x]) + cCosh[4x]| + 
                                                                                                                 c (3 a - b + 3 c + 4 a Cosh[2 x] - 4 c Cosh[2 x] + a Cosh[4 x] + b Cosh[4 x] + c Cosh[4 x]))
     \left[-2\,a + 2\,c + \sqrt{2}\,\sqrt{\left(2\,b^2 - 8\,a\,c + a\,\left(3\,a - b + 3\,c + 4\,a\,Cosh[2\,x] - 4\,c\,Cosh[2\,x] + a\,Cosh[4\,x] + b\,Cosh[4\,x] + c\,Cosh[4\,x]\right) + a\,Cosh[4\,x] + b\,Cosh[4\,x]\right]} + \left[-2\,a + 2\,c + \sqrt{2}\,\sqrt{\left(2\,b^2 - 8\,a\,c + a\,\left(3\,a - b + 3\,c + 4\,a\,Cosh[2\,x] - 4\,c\,Cosh[2\,x] + a\,Cosh[4\,x] + b\,Cosh[4\,x] + b\,Cosh[4\,x]\right)} + c\,Cosh[4\,x]\right] + a\,Cosh[4\,x] + b\,Cosh[4\,x] + c\,Cosh[4\,x] + c\,
                                                                                        b (3 a - b + 3 c + 4 a Cosh[2 x] - 4 c Cosh[2 x] + a Cosh[4 x] + b Cosh[4 x] + c Cosh[4 x]) + c
                                                                                                        (3 a - b + 3 c + 4 a Cosh[2 x] - 4 c Cosh[2 x] + a Cosh[4 x] + b Cosh[4 x] + c Cosh[4 x]))
\sqrt{\left[-1 + \frac{1}{2(a+b+c)} \left(-2a+2c+\sqrt{2}\sqrt{2b^2-8ac+a(3a-b+3c+4aCosh[2x]-4cCosh[2x]+aCosh[4x]+\frac{1}{2(a+b+c)}\right)\right]}
                                                                                                                                                                    b \, Cosh[4 \, x] + c \, Cosh[4 \, x]) + b \, (3 \, a - b + 3 \, c + 4 \, a \, Cosh[2 \, x] - 4 \, c \, Cosh[2 \, x] + a \, Cosh[4 \, x] + b \, Cosh[4 \,
                                                                                                                                                                  c \, Cosh[4x]) + c \, (3a - b + 3c + 4a \, Cosh[2x] - 4c \, Cosh[2x] + a \, Cosh[4x] + b \, Cosh[4x] + c \, Cosh[4x]))
\sqrt{\left[1 + \frac{1}{2(a+b+c)} \left(-2a+2c+\sqrt{2}\sqrt{(2b^2-8ac+a(3a-b+3c+4aCosh[2x]-4cCosh[2x]+aCosh[4x]+aCosh[4x]+aCosh[2x]+aCosh[2x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCos
                                                                                                                                                                    b\, Cosh[\, 4\, x] \, + c\, Cosh[\, 4\, x]\,) \, + b\, (\, 3\, a - b + 3\, c + 4\, a\, Cosh[\, 2\, x]\, - 4\, c\, Cosh[\, 2\, x]\, + a\, Cosh[\, 4\, x]\, + b\, Cosh[\, 4\, x]
                                                                                                                                                                  c \, Cosh[4 \, x]) + c \, (3 \, a - b + 3 \, c + 4 \, a \, Cosh[2 \, x] - 4 \, c \, Cosh[2 \, x] + a \, Cosh[4 \, x] + b \, Cosh[4 \, x] + c \, Cosh[4 \, x]))
   \sqrt{(3 a - b + 3 c + 4 (a - c) Cosh[2 x] + (a + b + c) Cosh[4 x]) Sech[x]^{4}} - c Cosh[2 x]
     (3 a - b + 3 c + 4 (a - c) Cosh[2x] + (a + b + c) Cosh[4x])
        2 \text{ a} \sqrt{3 \text{ a} - \text{b} + 3 \text{ c} + 4 \text{ a} \text{ Cosh}[2 \text{ x}] - 4 \text{ c} \text{ Cosh}[2 \text{ x}] + \text{a} \text{ Cosh}[4 \text{ x}] + \text{b} \text{ Cosh}[4 \text{ x}] + \text{c} \text{ Cosh}[4 \text{ x}]} + \text{c} \text{ Cosh}[4 \text{ x}]
                          2 b \sqrt{3 a - b + 3 c + 4 a \cosh[2 x] - 4 c \cosh[2 x] + a \cosh[4 x] + b \cosh[4 x] + c \cosh[4 x]} + c \cosh[4 x]
                          2 c \sqrt{3 a - b + 3 c + 4 a \cosh[2 x] - 4 c \cosh[2 x] + a \cosh[4 x] + b \cosh[4 x] + c \cosh[4 x]}
 \sqrt{\left[\frac{1}{a+b+c}\left(2\,b+4\,c+\sqrt{2}\,\sqrt{\left(2\,b^2-8\,a\,c+a\,\left(3\,a-b+3\,c+4\,a\,Cosh[2\,x]-4\,c\,Cosh[2\,x]+a\,Cosh[4\,x]+b\,Cosh[4\,x]\right)\right.\right.}
                                                                                                                                                      {\tt c\,Cosh[4\,x])} \, + {\tt b\,(3\,a-b+3\,c+4\,a\,Cosh[2\,x]-4\,c\,Cosh[2\,x]} \, + {\tt a\,Cosh[4\,x]+b\,Cosh[4\,x]+c\,Cosh[4\,x])} \, + {\tt b\,Cosh[4\,x]} \, + {\tt b\,Cosh
                                                                                                                 c (3 a - b + 3 c + 4 a Cosh[2 x] - 4 c Cosh[2 x] + a Cosh[4 x] + b Cosh[4 x] + c Cosh[4 x]))
                                                       \left( (b + 2c) \sqrt{3 a - b + 3 c + 4 a \cosh[2x] - 4 c \cosh[2x] + a \cosh[4x] + b \cosh[4x] + c \cosh[4x]} \right) /
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2\sqrt{c}\sqrt{(2b^2-8ac+a(3a-b+3c+4aCosh[2x]-4cCosh[2x]+aCosh[4x]+bCosh[4x]+cCosh[4x])}
                                                                                            b (3 a - b + 3 c + 4 a \cosh[2x] - 4 c \cosh[2x] + a \cosh[4x] + b \cosh[4x] + c \cosh[4x]) +
                                                                                           c(3a-b+3c+4aCosh[2x]-4cCosh[2x]+aCosh[4x]+bCosh[4x]+cCosh[4x])))
                                                                                    - 2 Log[2 | a \sqrt{3} a - b + 3 c + 4 a Cosh[2 x] - 4 c Cosh[2 x] + a Cosh[4 x] + b Cosh[4 x] + c Cosh[4 x] +
                                                                        b\,\sqrt{\,3\,a-b+3\,c+4\,a\,Cosh[\,2\,x\,]\,-4\,c\,Cosh[\,2\,x\,]\,+a\,Cosh[\,4\,x\,]\,+b\,Cosh[\,4\,x\,]\,+c\,Cosh[\,4\,x\,]\,+c\,Cosh[\,4\,x\,]\,+c\,Cosh[\,4\,x\,]\,+c\,Cosh[\,4\,x\,]\,+c\,Cosh[\,4\,x\,]\,+c\,Cosh[\,4\,x\,]\,+c\,Cosh[\,4\,x\,]\,+c\,Cosh[\,4\,x\,]\,+c\,Cosh[\,4\,x\,]\,+c\,Cosh[\,4\,x\,]\,+c\,Cosh[\,4\,x\,]\,+c\,Cosh[\,4\,x\,]\,+c\,Cosh[\,4\,x\,]\,+c\,Cosh[\,4\,x\,]\,+c\,Cosh[\,4\,x\,]\,+c\,Cosh[\,4\,x\,]\,+c\,Cosh[\,4\,x\,]\,+c\,Cosh[\,4\,x\,]\,+c\,Cosh[\,4\,x\,]\,+c\,Cosh[\,4\,x\,]\,+c\,Cosh[\,4\,x\,]\,+c\,Cosh[\,4\,x\,]\,+c\,Cosh[\,4\,x\,]\,+c\,Cosh[\,4\,x\,]\,+c\,Cosh[\,4\,x\,]\,+c\,Cosh[\,4\,x\,]\,+c\,Cosh[\,4\,x\,]\,+c\,Cosh[\,4\,x\,]\,+c\,Cosh[\,4\,x\,]\,+c\,Cosh[\,4\,x\,]\,+c\,Cosh[\,4\,x\,]\,+c\,Cosh[\,4\,x\,]\,+c\,Cosh[\,4\,x\,]\,+c\,Cosh[\,4\,x\,]\,+c\,Cosh[\,4\,x\,]\,+c\,Cosh[\,4\,x\,]\,+c\,Cosh[\,4\,x\,]\,+c\,Cosh[\,4\,x\,]\,+c\,Cosh[\,4\,x\,]\,+c\,Cosh[\,4\,x\,]\,+c\,Cosh[\,4\,x\,]\,+c\,Cosh[\,4\,x\,]\,+c\,Cosh[\,4\,x\,]\,+c\,Cosh[\,4\,x\,]\,+c\,Cosh[\,4\,x\,]\,+c\,Cosh[\,4\,x\,]\,+c\,Cosh[\,4\,x\,]\,+c\,Cosh[\,4\,x\,]\,+c\,Cosh[\,4\,x\,]\,+c\,Cosh[\,4\,x\,]\,+c\,Cosh[\,4\,x\,]\,+c\,Cosh[\,4\,x\,]\,+c\,Cosh[\,4\,x\,]\,+c\,Cosh[\,4\,x\,]\,+c\,Cosh[\,4\,x\,]\,+c\,Cosh[\,4\,x\,]\,+c\,Cosh[\,4\,x\,]\,+c\,Cosh[\,4\,x\,]\,+c\,Cosh[\,4\,x\,]\,+c\,Cosh[\,4\,x\,]\,+c\,Cosh[\,4\,x\,]\,+c\,Cosh[\,4\,x\,]\,+c\,Cosh[\,4\,x\,]\,+c\,Cosh[\,4\,x\,]\,+c\,Cosh[\,4\,x\,]\,+c\,Cosh[\,4\,x\,]\,+c\,Cosh[\,4\,x\,]\,+c\,Cosh[\,4\,x\,]\,+c\,Cosh[\,4\,x\,]\,+c\,Cosh[\,4\,x\,]\,+c\,Cosh[\,4\,x\,]\,+c\,Cosh[\,4\,x\,]\,+c\,Cosh[\,4\,x\,]\,+c\,Cosh[\,4\,x\,]\,+c\,Cosh[\,4\,x\,]\,+c\,Cosh[\,4\,x\,]\,+c\,Cosh[\,4\,x\,]\,+c\,Cosh[\,4\,x\,]\,+c\,Cosh[\,4\,x\,]\,+c\,Cosh[\,4\,x\,]\,+c\,Cosh[\,4\,x\,]\,+c\,Cosh[\,4\,x\,]\,+c\,Cosh[\,4\,x\,]\,+c\,Cosh[\,4\,x\,]\,+c\,Cosh[\,4\,x\,]\,+c\,Cosh[\,4\,x\,]\,+c\,Cosh[\,4\,x\,]\,+c\,Cosh[\,4\,x\,]\,+c\,Cosh[\,4\,x\,]\,+c\,Cosh[\,4\,x\,]\,+c\,Cosh[\,4\,x\,]\,+c\,Cosh[\,4\,x\,]\,+c\,Cosh[\,4\,x\,]\,+c\,Cosh[\,4\,x\,]\,+c\,Cosh[\,4\,x\,]\,+c\,Cosh[\,4\,x\,]\,+c\,Cosh[\,4\,x\,]\,+c\,Cosh[\,4\,x\,]\,+c\,Cosh[\,4\,x\,]\,+c\,Cosh[\,4\,x\,]\,+c\,Cosh[\,4\,x\,]\,+c\,Cosh[\,4\,x\,]\,+c\,Cosh[\,4\,x\,]\,+c\,Cosh[\,4\,x\,]\,+c\,Cosh[\,4\,x\,]\,+c\,Cosh[\,4\,x\,]\,+c\,Cosh[\,4\,x\,]\,+c\,Cosh[\,4\,x\,]\,+c\,Cosh[\,4\,x\,]\,+c\,Cosh[\,4\,x\,]\,+c\,Cosh[\,4\,x\,]\,+c\,Cosh[\,4\,x\,]\,+c\,Cosh[\,4\,x\,]\,+c\,Cosh[\,4\,x\,]\,+c\,Cosh[\,4\,x\,]\,+c\,Cosh[\,4\,x\,]\,+c\,Cosh[\,4\,x\,]\,+c\,Cosh[\,4\,x\,]\,+c\,Cosh[\,4\,x\,]\,+c\,Cosh[\,4\,x\,]\,+c\,Cosh[\,4\,x\,]\,+c\,Cosh[\,4\,x\,]\,+c\,Cosh[\,4\,x\,]\,+c\,Cosh[\,4\,x\,]\,+c\,Cosh[\,4\,x\,]\,+c\,Cosh[\,4\,x\,]\,+c\,Cosh[\,4\,x\,]\,+c\,Cosh[\,4\,x\,]\,+c\,Cosh[\,4\,x\,]\,+c\,Cosh[\,4\,x\,]\,+c\,Cosh[\,4\,x\,]\,+
                                                                                   \sqrt{3} a - b + 3 c + 4 a Cosh[2 x] - 4 c Cosh[2 x] + a Cosh[4 x] + b Cosh[4 x] + c Cosh[4 x] + \sqrt{a} + b + c
                                                                                   \sqrt{(2b^2 - 8ac + a(3a - b + 3c + 4aCosh[2x] - 4cCosh[2x] + aCosh[4x] + bCosh[4x] + cCosh[4x])}
                                                                                                               \texttt{b} \; (3 \; \texttt{a} \; - \; \texttt{b} \; + \; \texttt{3} \; \texttt{c} \; + \; \texttt{4} \; \texttt{a} \; \texttt{Cosh}[\; 2 \; \texttt{x}] \; - \; \texttt{4} \; \texttt{c} \; \texttt{Cosh}[\; 2 \; \texttt{x}] \; + \; \texttt{a} \; \texttt{Cosh}[\; 4 \; \texttt{x}] \; + \; \texttt{b} \; \texttt{Cosh}[\; 4 \; \texttt{x}] \; + \; \texttt{c} \; \texttt{Cosh}[\; 4 \; \texttt{x}] \; ) \; + \; \texttt{c} \; \texttt{cosh}[\; 4 \; \texttt{x}] \; + \; \texttt{c} \; \texttt{cosh}[\; 4 \; \texttt{x}] \; ) \; + \; \texttt{cosh}[\; 4 \; \texttt{x}] \; + \; \texttt{cosh}[\; 4 \; \texttt{x}] \; + \; \texttt{cosh}[\; 4 \; \texttt{x}] \; ) \; + \; \texttt{cosh}[\; 4 \; \texttt{x}] \; + \; \texttt{cosh}[\; 4 \; \texttt{x}] \; + \; \texttt{cosh}[\; 4 \; \texttt{x}] \; ) \; + \; \texttt{cosh}[\; 4 \; \texttt{x}] \; + \; \texttt{cosh}[\; 4 \; \texttt{x}] \; + \; \texttt{cosh}[\; 4 \; \texttt{x}] \; ) \; + \; \texttt{cosh}[\; 4 \; \texttt{x}] \; + \; \texttt{cosh}[\; 4 \; \texttt{x}] \; + \; \texttt{cosh}[\; 4 \; \texttt{x}] \; ) \; + \; \texttt{cosh}[\; 4 \; \texttt{x}] \; + \; \texttt{cosh}[\; 4 \; \texttt{x}] \; + \; \texttt{cosh}[\; 4 \; \texttt{x}] \; ) \; + \; \texttt{cosh}[\; 4 \; \texttt{x}] \; + \; \texttt{cosh}[\; 4 \; \texttt{x}] \; ) \; + \; \texttt{cosh}[\; 4 \; \texttt{x}] \; + \; \texttt{cosh}[\; 4 \; \texttt{x}] \; + \; \texttt{cosh}[\; 4 \; \texttt{x}] \; ) \; + \; \texttt{cosh}[\; 4 \; \texttt{x}] \; + \; \texttt{cosh}[\; 4 \; \texttt{x}] \; + \; \texttt{cosh}[\; 4 \; \texttt{x}] \; ) \; + \; \texttt{cosh}[\; 4 \; \texttt{x}] \; + \; \texttt{cosh}[\; 4 \; \texttt{
                                                                                                               \texttt{c} \left( 3 \texttt{a} - \texttt{b} + 3 \texttt{c} + 4 \texttt{a} \operatorname{Cosh}[2 \texttt{x}] - 4 \texttt{c} \operatorname{Cosh}[2 \texttt{x}] + \texttt{a} \operatorname{Cosh}[4 \texttt{x}] + \texttt{b} \operatorname{Cosh}[4 \texttt{x}] + \texttt{c} \operatorname{Cosh}[4 \texttt{x}] \right) \right) \Big] \Big| \operatorname{Sech}[\texttt{x}]^2 
                                                                                                                                              b \operatorname{Sech}[x]^2 \operatorname{Sinh}[2x]
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             c Sech[x]^2 Sinh[2x]
              \sqrt{3 a - b + 3 c + 4 (a - c) \cosh[2 x] + (a + b + c) \cosh[4 x]}
                                                                                                                                                                                                                                                                                                                                                                                                                                                                    \sqrt{3 a - b + 3 c + 4 (a - c) \cosh[2 x] + (a + b + c) \cosh[4 x]}
                                                                                                                   c Cosh[2x] Sech[x]^2 Sinh[2x]
                     \sqrt{3 a - b + 3 c + 4 (a - c) Cosh[2x] + (a + b + c) Cosh[4x]}
 (4 \text{ a Sinh}[2 \text{ x}] - 4 \text{ c Sinh}[2 \text{ x}] + 2 \text{ a Sinh}[4 \text{ x}] + 2 \text{ b Sinh}[4 \text{ x}] + 2 \text{ c Sinh}[4 \text{ x}])
(a \ (8 \ a \ Sinh[2 \ x] \ - \ 8 \ c \ Sinh[2 \ x] \ + \ 4 \ a \ Sinh[4 \ x] \ + \ 4 \ b \ Sinh[4 \ x] \ + \ 4 \ c \ Sinh[4 \ x]) \ + \ 4 \ c \ Sinh[4 \ x]) \ + \ 4 \ c \ Sinh[4 \ x]) \ + \ 4 \ c \ Sinh[4 \ x]) \ + \ 4 \ c \ Sinh[4 \ x]) \ + \ 4 \ c \ Sinh[4 \ x]) \ + \ 4 \ c \ Sinh[4 \ x]) \ + \ 4 \ c \ Sinh[4 \ x]) \ + \ 4 \ c \ Sinh[4 \ x]) \ + \ 4 \ c \ Sinh[4 \ x]) \ + \ 4 \ c \ Sinh[4 \ x]) \ + \ 4 \ c \ Sinh[4 \ x]) \ + \ 4 \ c \ Sinh[4 \ x]) \ + \ 4 \ c \ Sinh[4 \ x]) \ + \ 4 \ c \ Sinh[4 \ x]) \ + \ 4 \ c \ Sinh[4 \ x]) \ + \ 4 \ c \ Sinh[4 \ x]) \ + \ 4 \ c \ Sinh[4 \ x]) \ + \ 4 \ c \ Sinh[4 \ x]) \ + \ 4 \ c \ Sinh[4 \ x]) \ + \ 4 \ c \ Sinh[4 \ x]) \ + \ 4 \ c \ Sinh[4 \ x]) \ + \ 4 \ c \ Sinh[4 \ x]) \ + \ 4 \ c \ Sinh[4 \ x]) \ + \ 4 \ c \ Sinh[4 \ x]) \ + \ 4 \ c \ Sinh[4 \ x]) \ + \ 4 \ c \ Sinh[4 \ x]) \ + \ 4 \ c \ Sinh[4 \ x]) \ + \ 4 \ c \ Sinh[4 \ x]) \ + \ 4 \ c \ Sinh[4 \ x]) \ + \ 4 \ c \ Sinh[4 \ x]) \ + \ 4 \ c \ Sinh[4 \ x]) \ + \ 4 \ c \ Sinh[4 \ x]) \ + \ 4 \ c \ Sinh[4 \ x]) \ + \ 4 \ c \ Sinh[4 \ x]) \ + \ 4 \ c \ Sinh[4 \ x]) \ + \ 4 \ c \ Sinh[4 \ x]) \ + \ 4 \ c \ Sinh[4 \ x]) \ + \ 4 \ c \ Sinh[4 \ x]) \ + \ 4 \ c \ Sinh[4 \ x]) \ + \ 4 \ c \ Sinh[4 \ x]) \ + \ 4 \ c \ Sinh[4 \ x]) \ + \ 4 \ c \ Sinh[4 \ x]) \ + \ 4 \ c \ Sinh[4 \ x]) \ + \ 4 \ c \ Sinh[4 \ x]) \ + \ 4 \ c \ Sinh[4 \ x]) \ + \ 4 \ c \ Sinh[4 \ x]) \ + \ 4 \ c \ Sinh[4 \ x]) \ + \ 4 \ c \ Sinh[4 \ x]) \ + \ 4 \ c \ Sinh[4 \ x]) \ + \ 4 \ c \ Sinh[4 \ x]) \ + \ 4 \ c \ Sinh[4 \ x]) \ + \ 4 \ c \ Sinh[4 \ x]) \ + \ 4 \ c \ Sinh[4 \ x]) \ + \ 4 \ c \ Sinh[4 \ x]) \ + \ 4 \ c \ Sinh[4 \ x]) \ + \ 4 \ c \ Sinh[4 \ x]) \ + \ 4 \ c \ Sinh[4 \ x]) \ + \ 4 \ c \ Sinh[4 \ x]) \ + \ 4 \ c \ Sinh[4 \ x]) \ + \ 4 \ c \ Sinh[4 \ x]) \ + \ 4 \ c \ Sinh[4 \ x]) \ + \ 4 \ c \ Sinh[4 \ x]) \ + \ 4 \ c \ Sinh[4 \ x]) \ + \ 4 \ c \ Sinh[4 \ x]) \ + \ 4 \ c \ Sinh[4 \ x]) \ + \ 4 \ c \ Sinh[4 \ x]) \ + \ 4 \ c \ Sinh[4 \ x]) \ + \ 4 \ c \ Sinh[4 \ x]) \ + \ 4 \ c \ Sinh[4 \ x]) \ + \ 4 \ c \ Sinh[4 \ x]) \ + \ 4 \ c \ Sinh[4 \ 
                b (8 a Sinh[2x] - 8 c Sinh[2x] + 4 a Sinh[4x] + 4 b Sinh[4x] + 4 c Sinh[4x]) +
              c (8 \text{ a Sinh}[2 \text{ x}] - 8 \text{ c Sinh}[2 \text{ x}] + 4 \text{ a Sinh}[4 \text{ x}] + 4 \text{ b Sinh}[4 \text{ x}] + 4 \text{ c Sinh}[4 \text{ x}]))
 (b-c+c \cosh[2x]) \sqrt{3} a-b+3 c+4 a \cosh[2x]-4 c \cosh[2x]+a \cosh[4x]+b \cosh[4x]+c \cosh[4x]
(2b^2 - 8ac + a(3a - b + 3c + 4aCosh[2x] - 4cCosh[2x] + aCosh[4x] + bCosh[4x] + cCosh[4x]) + cCosh[4x])
             b (3 a - b + 3 c + 4 a Cosh[2x] - 4 c Cosh[2x] + a Cosh[4x] + b Cosh[4x] + c Cosh[4x]) +
                c(3a-b+3c+4aCosh[2x]-4cCosh[2x]+aCosh[4x]+bCosh[4x]+cCosh[4x])
         \frac{1}{a+b+c} \left( -4 \, a - 2 \, b + \sqrt{2} \, \sqrt{\left(2 \, b^2 - 8 \, a \, c + a \, \left(3 \, a - b + 3 \, c + 4 \, a \, \text{Cosh}[2 \, x] - 4 \, c \, \text{Cosh}[2 \, x] + a \, \text{Cosh}[4 \, x] + b \, \text{Cosh}[4
                                                                                                               \verb|ccosh[4x]| + b (3a - b + 3c + 4a Cosh[2x] - 4c Cosh[2x] + a Cosh[4x] + b Cosh[4x] + c Cosh[4x]) + c Cosh[4x] + c Cosh[
                                                                                 c (3 a - b + 3 c + 4 a Cosh[2 x] - 4 c Cosh[2 x] + a Cosh[4 x] + b Cosh[4 x] + c Cosh[4 x]))
 \left(-2 \text{ a} + 2 \text{ c} + \sqrt{2} \sqrt{2 \text{ b}^2 - 8 \text{ a} \text{ c} + \text{ a} (3 \text{ a} - \text{b} + 3 \text{ c} + 4 \text{ a} \text{ Cosh}[2 \text{ x}] - 4 \text{ c} \text{ Cosh}[2 \text{ x}] + \text{a} \text{ Cosh}[4 \text{ x}] + \text{b} \text{ Cosh}[4 \text{ x}] + \text{c} \text{cosh}[4 \text{ x}] + \text{c} \text{cosh}[4 \text{ x}] + \text{c} \text{cosh}[4 \text{ x}] +
                                                    b\ (3\ a-b+3\ c+4\ a\ Cosh[2\ x]\ -4\ c\ Cosh[2\ x]\ +a\ Cosh[4\ x]\ +b\ Cosh[4\ x]\ +c\ Cosh[4\ x]\ )\ +c\ Cosh[4\ x]\ )\ +c\ Cosh[4\ x]\ )\ +c\ Cosh[4\ x]\ )
                                                     c(3a-b+3c+4aCosh[2x]-4cCosh[2x]+aCosh[4x]+bCosh[4x]+cCosh[4x]))
```

```
\sqrt{\left[-1 + \frac{1}{2(a+b+c)} \left(-2a+2c+\sqrt{2}\sqrt{2b^2-8ac+a(3a-b+3c+4aCosh[2x]-4cCosh[2x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCos
                                                                                                                                                                                                            b Cosh[4x] + c Cosh[4x]) + b (3a - b + 3c + 4a Cosh[2x] - 4c Cosh[2x] + a Cosh[4x] + b Cosh[4x] +
                                                                                                                                                                                                          c \cosh[4x] + c (3a - b + 3c + 4a \cosh[2x] - 4c \cosh[2x] + a \cosh[4x] + b \cosh[4x] + c \cosh[4x])
\sqrt{\left[1 + \frac{1}{2(a+b+c)} \left(-2a+2c+\sqrt{2}\sqrt{(2b^2-8ac+a(3a-b+3c+4aCosh[2x]-4cCosh[2x]+aCosh[4x]+aCosh[4x]+aCosh[2x]+aCosh[2x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCos
                                                                                                                                                                                                          b \cosh[4x] + c \cosh[4x]) + b (3a - b + 3c + 4a \cosh[2x] - 4c \cosh[2x] + a \cosh[4x] + b \cosh[
                                                                                                                                                                                                            \sqrt{\,(3\,a-b+3\,c+4\,\,(a-c)\,\,Cosh[\,2\,x\,]\,+\,(a+b+c)\,\,Cosh[\,4\,x\,]\,)\,\,Sech[\,x\,]^{\,4}\,}\,\, -\,\, \left|\,c\,\,Cosh[\,2\,x\,]\,\, +\,\, \left|\,c\,\,Cosh[\,2\,x\,]\,\,\right|\,\, +\,\, \left|\,
      (3 a - b + 3 c + 4 (a - c) Cosh[2x] + (a + b + c) Cosh[4x])
           2 \text{ a} \sqrt{3 \text{ a} - \text{b} + 3 \text{ c} + 4 \text{ a} \text{ Cosh}[2 \text{ x}] - 4 \text{ c} \text{ Cosh}[2 \text{ x}] + \text{a} \text{ Cosh}[4 \text{ x}] + \text{b} \text{ Cosh}[4 \text{ x}] + \text{c} \text{ Cosh}[4 \text{ x}]}
                              2\;b\;\sqrt{3\;a\;-\;b\;+\;3\;c\;+\;4\;a\;Cosh[\,2\;x\,]\;-\;4\;c\;Cosh[\,2\;x\,]\;+\;a\;Cosh[\,4\;x\,]\;+\;b\;Cosh[\,4\;x\,]\;+\;c\;Cosh[\,4\;x\,]\;+\;c\;Cosh[\,4\;x\,]\;+\;b\;Cosh[\,4\;x\,]\;+\;b\;Cosh[\,4\;x\,]\;+\;b\;Cosh[\,4\;x\,]\;+\;b\;Cosh[\,4\;x\,]\;+\;b\;Cosh[\,4\;x\,]\;+\;b\;Cosh[\,4\;x\,]\;+\;b\;Cosh[\,4\;x\,]\;+\;b\;Cosh[\,4\;x\,]\;+\;b\;Cosh[\,4\;x\,]\;+\;b\;Cosh[\,4\;x\,]\;+\;b\;Cosh[\,4\;x\,]\;+\;b\;Cosh[\,4\;x\,]\;+\;b\;Cosh[\,4\;x\,]\;+\;b\;Cosh[\,4\;x\,]\;+\;b\;Cosh[\,4\;x\,]\;+\;b\;Cosh[\,4\;x\,]\;+\;b\;Cosh[\,4\;x\,]\;+\;b\;Cosh[\,4\;x\,]\;+\;b\;Cosh[\,4\;x\,]\;+\;b\;Cosh[\,4\;x\,]\;+\;b\;Cosh[\,4\;x\,]\;+\;b\;Cosh[\,4\;x\,]\;+\;b\;Cosh[\,4\;x\,]\;+\;b\;Cosh[\,4\;x\,]\;+\;b\;Cosh[\,4\;x\,]\;+\;b\;Cosh[\,4\;x\,]\;+\;b\;Cosh[\,4\;x\,]\;+\;b\;Cosh[\,4\;x\,]\;+\;b\;Cosh[\,4\;x\,]\;+\;b\;Cosh[\,4\;x\,]\;+\;b\;Cosh[\,4\;x\,]\;+\;b\;Cosh[\,4\;x\,]\;+\;b\;Cosh[\,4\;x\,]\;+\;b\;Cosh[\,4\;x\,]\;+\;b\;Cosh[\,4\;x\,]\;+\;b\;Cosh[\,4\;x\,]\;+\;b\;Cosh[\,4\;x\,]\;+\;b\;Cosh[\,4\;x\,]\;+\;b\;Cosh[\,4\;x\,]\;+\;b\;Cosh[\,4\;x\,]\;+\;b\;Cosh[\,4\;x\,]\;+\;b\;Cosh[\,4\;x\,]\;+\;b\;Cosh[\,4\;x\,]\;+\;b\;Cosh[\,4\;x\,]\;+\;b\;Cosh[\,4\;x\,]\;+\;b\;Cosh[\,4\;x\,]\;+\;b\;Cosh[\,4\;x\,]\;+\;b\;Cosh[\,4\;x\,]\;+\;b\;Cosh[\,4\;x\,]\;+\;b\;Cosh[\,4\;x\,]\;+\;b\;Cosh[\,4\;x\,]\;+\;b\;Cosh[\,4\;x\,]\;+\;b\;Cosh[\,4\;x\,]\;+\;b\;Cosh[\,4\;x\,]\;+\;b\;Cosh[\,4\;x\,]\;+\;b\;Cosh[\,4\;x\,]\;+\;b\;Cosh[\,4\;x\,]\;+\;b\;Cosh[\,4\;x\,]\;+\;b\;Cosh[\,4\;x\,]\;+\;b\;Cosh[\,4\;x\,]\;+\;b\;Cosh[\,4\;x\,]\;+\;b\;Cosh[\,4\;x\,]\;+\;b\;Cosh[\,4\;x\,]\;+\;b\;Cosh[\,4\;x\,]\;+\;b\;Cosh[\,4\;x\,]\;+\;b\;Cosh[\,4\;x\,]\;+\;b\;Cosh[\,4\;x\,]\;+\;b\;Cosh[\,4\;x\,]\;+\;b\;Cosh[\,4\;x\,]\;+\;b\;Cosh[\,4\;x\,]\;+\;b\;Cosh[\,4\;x\,]\;+\;b\;Cosh[\,4\;x\,]\;+\;b\;Cosh[\,4\;x\,]\;+\;b\;Cosh[\,4\;x\,]\;+\;b\;Cosh[\,4\;x\,]\;+\;b\;Cosh[\,4\;x\,]\;+\;b\;Cosh[\,4\;x\,]\;+\;b\;Cosh[\,4\;x\,]\;+\;b\;Cosh[\,4\;x\,]\;+\;b\;Cosh[\,4\;x\,]\;+\;b\;Cosh[\,4\;x\,]\;+\;b\;Cosh[\,4\;x\,]\;+\;b\;Cosh[\,4\;x\,]\;+\;b\;Cosh[\,4\;x\,]\;+\;b\;Cosh[\,4\;x\,]\;+\;b\;Cosh[\,4\;x\,]\;+\;b\;Cosh[\,4\;x\,]\;+\;b\;Cosh[\,4\;x\,]\;+\;b\;Cosh[\,4\;x\,]\;+\;b\;Cosh[\,4\;x\,]\;+\;b\;Cosh[\,4\;x\,]\;+\;b\;Cosh[\,4\;x\,]\;+\;b\;Cosh[\,4\;x\,]\;+\;b\;Cosh[\,4\;x\,]\;+\;b\;Cosh[\,4\;x\,]\;+\;b\;Cosh[\,4\;x\,]\;+\;b\;Cosh[\,4\;x\,]\;+\;b\;Cosh[\,4\;x\,]\;+\;b\;Cosh[\,4\;x\,]\;+\;b\;Cosh[\,4\;x\,]\;+\;b\;Cosh[\,4\;x\,]\;+\;b\;Cosh[\,4\;x\,]\;+\;b\;Cosh[\,4\;x\,]\;+\;b\;Cosh[\,4\;x\,]\;+\;b\;Cosh[\,4\;x\,]\;+\;b\;Cosh[\,4\;x\,]\;+\;b\;Cosh[\,4\;x\,]\;+\;b\;Cosh[\,4\;x\,]\;+\;b\;Cosh[\,4\;x\,]\;+\;b\;Cosh[\,4\;x\,]\;+\;b\;Cosh[\,4\;x\,]\;+\;b\;Cosh[\,4\;x\,]\;+\;b\;Cosh[\,4\;x\,]\;+\;b\;Cosh[\,4\;x\,]\;+\;b\;Cosh[\,4\;x\,]\;+\;b\;Cosh[\,4\;x\,]\;+\;b\;Cosh[\,4\;x\,]\;+\;b\;Cosh[\,4\;x\,]\;+\;b\;Cosh[\,4\;x\,]\;+\;b\;Cosh[\,4\;x\,]\;+\;b\;
                                 2\ c\ \sqrt{3\ a-b+3\ c+4\ a\ Cosh[2\ x]\ -4\ c\ Cosh[2\ x]\ +a\ Cosh[4\ x]\ +b\ Cosh[4\ x]\ +c\ Cosh[4\ x]\ }
  \sqrt{\left[\frac{1}{2+b+a}\left(2b+4c+\sqrt{2}\sqrt{2b^2-8ac+a(3a-b+3c+4aCosh[2x]-4cCosh[2x]+aCosh[4x]+bCosh[4x]+bCosh[4x]+bCosh[4x]+bCosh[4x]+bCosh[4x]+bCosh[4x]+bCosh[4x]+bCosh[4x]+bCosh[4x]+bCosh[4x]+bCosh[4x]+bCosh[4x]+bCosh[4x]+bCosh[4x]+bCosh[4x]+bCosh[4x]+bCosh[4x]+bCosh[4x]+bCosh[4x]+bCosh[4x]+bCosh[4x]+bCosh[4x]+bCosh[4x]+bCosh[4x]+bCosh[4x]+bCosh[4x]+bCosh[4x]+bCosh[4x]+bCosh[4x]+bCosh[4x]+bCosh[4x]+bCosh[4x]+bCosh[4x]+bCosh[4x]+bCosh[4x]+bCosh[4x]+bCosh[4x]+bCosh[4x]+bCosh[4x]+bCosh[4x]+bCosh[4x]+bCosh[4x]+bCosh[4x]+bCosh[4x]+bCosh[4x]+bCosh[4x]+bCosh[4x]+bCosh[4x]+bCosh[4x]+bCosh[4x]+bCosh[4x]+bCosh[4x]+bCosh[4x]+bCosh[4x]+bCosh[4x]+bCosh[4x]+bCosh[4x]+bCosh[4x]+bCosh[4x]+bCosh[4x]+bCosh[4x]+bCosh[4x]+bCosh[4x]+bCosh[4x]+bCosh[4x]+bCosh[4x]+bCosh[4x]+bCosh[4x]+bCosh[4x]+bCosh[4x]+bCosh[4x]+bCosh[4x]+bCosh[4x]+bCosh[4x]+bCosh[4x]+bCosh[4x]+bCosh[4x]+bCosh[4x]+bCosh[4x]+bCosh[4x]+bCosh[4x]+bCosh[4x]+bCosh[4x]+bCosh[4x]+bCosh[4x]+bCosh[4x]+bCosh[4x]+bCosh[4x]+bCosh[4x]+bCosh[4x]+bCosh[4x]+bCosh[4x]+bCosh[4x]+bCosh[4x]+bCosh[4x]+bCosh[4x]+bCosh[4x]+bCosh[4x]+bCosh[4x]+bCosh[4x]+bCosh[4x]+bCosh[4x]+bCosh[4x]+bCosh[4x]+bCosh[4x]+bCosh[4x]+bCosh[4x]+bCosh[4x]+bCosh[4x]+bCosh[4x]+bCosh[4x]+bCosh[4x]+bCosh[4x]+bCosh[4x]+bCosh[4x]+bCosh[4x]+bCosh[4x]+bCosh[4x]+bCosh[4x]+bCosh[4x]+bCosh[4x]+bCosh[4x]+bCosh[4x]+bCosh[4x]+bCosh[4x]+bCosh[4x]+bCosh[4x]+bCosh[4x]+bCosh[4x]+bCosh[4x]+bCosh[4x]+bCosh[4x]+bCosh[4x]+bCosh[4x]+bCosh[4x]+bCosh[4x]+bCosh[4x]+bCosh[4x]+bCosh[4x]+bCosh[4x]+bCosh[4x]+bCosh[4x]+bCosh[4x]+bCosh[4x]+bCosh[4x]+bCosh[4x]+bCosh[4x]+bCosh[4x]+bCosh[4x]+bCosh[4x]+bCosh[4x]+bCosh[4x]+bCosh[4x]+bCosh[4x]+bCosh[4x]+bCosh[4x]+bCosh[4x]+bCosh[4x]+bCosh[4x]+bCosh[4x]+bCosh[4x]+bCosh[4x]+bCosh[4x]+bCosh[4x]+bCosh[4x]+bCosh[4x]+bCosh[4x]+bCosh[4x]+bCosh[4x]+bCosh[4x]+bCosh[4x]+bCosh[4x]+bCosh[4x]+bCosh[4x]+bCosh[4x]+bCosh[4x]+bCosh[4x]+bCosh[4x]+bCosh[4x]+bCosh[4x]+bCosh[4x]+bCosh[4x]+bCosh[4x]+bCosh[4x]+bCosh[4x]+bCosh[4x]+bCosh[4x]+bCosh[4x]+bCosh[4x]+bCosh[4x]+bCosh[4x]+bCosh[4x]+bCosh[4x]+bCosh[4x]+bCosh[4x]+bCosh[4x]+bCos
                                                                                                                                                                                           \texttt{c} \; \texttt{Cosh} \left[ \; 4 \; \mathbf{x} \; \right] \; ) \; + \; \texttt{b} \; \left( \; 3 \; \text{a} \; - \; \text{b} \; + \; 3 \; \text{c} \; + \; 4 \; \text{a} \; \texttt{Cosh} \left[ \; 2 \; \mathbf{x} \; \right] \; - \; 4 \; \text{c} \; \texttt{Cosh} \left[ \; 2 \; \mathbf{x} \; \right] \; + \; \text{a} \; \texttt{Cosh} \left[ \; 4 \; \mathbf{x} \; \right] \; + \; \text{b} \; \texttt{Cosh} \left[ \; 4 \; \mathbf{x} \; \right] \; + \; \text{c} \; \texttt{Cosh} \left[ \; 4 \; \mathbf{x} \; \right] \; ) \; + \; \texttt{c} \; \texttt{Cosh} \left[ \; 4 \; \mathbf{x} \; \right] \; + \; \texttt{c} \; \texttt{Cosh} \left[ \; 4 \; \mathbf{x} \; \right] \; + \; \texttt{c} \; \texttt{Cosh} \left[ \; 4 \; \mathbf{x} \; \right] \; + \; \texttt{c} \; \texttt{Cosh} \left[ \; 4 \; \mathbf{x} \; \right] \; + \; \texttt{c} \; \texttt{Cosh} \left[ \; 4 \; \mathbf{x} \; \right] \; + \; \texttt{c} \; \texttt{Cosh} \left[ \; 4 \; \mathbf{x} \; \right] \; + \; \texttt{c} \; \texttt{cosh} \left[ \; 4 \; \mathbf{x} \; \right] \; + \; \texttt{c} \; \texttt{cosh} \left[ \; 4 \; \mathbf{x} \; \right] \; + \; \texttt{c} \; \texttt{cosh} \left[ \; 4 \; \mathbf{x} \; \right] \; + \; \texttt{c} \; \texttt{cosh} \left[ \; 4 \; \mathbf{x} \; \right] \; + \; \texttt{c} \; \texttt{cosh} \left[ \; 4 \; \mathbf{x} \; \right] \; + \; \texttt{c} \; \texttt{cosh} \left[ \; 4 \; \mathbf{x} \; \right] \; + \; \texttt{c} \; \texttt{cosh} \left[ \; 4 \; \mathbf{x} \; \right] \; + \; \texttt{c} \; \texttt{cosh} \left[ \; 4 \; \mathbf{x} \; \right] \; + \; \texttt{c} \; \texttt{cosh} \left[ \; 4 \; \mathbf{x} \; \right] \; + \; \texttt{c} \; \texttt{cosh} \left[ \; 4 \; \mathbf{x} \; \right] \; + \; \texttt{c} \; \texttt{cosh} \left[ \; 4 \; \mathbf{x} \; \right] \; + \; \texttt{c} \; \texttt{cosh} \left[ \; 4 \; \mathbf{x} \; \right] \; + \; \texttt{c} \; \texttt{cosh} \left[ \; 4 \; \mathbf{x} \; \right] \; + \; \texttt{c} \; \texttt{cosh} \left[ \; 4 \; \mathbf{x} \; \right] \; + \; \texttt{c} \; \texttt{cosh} \left[ \; 4 \; \mathbf{x} \; \right] \; + \; \texttt{c} \; \texttt{cosh} \left[ \; 4 \; \mathbf{x} \; \right] \; + \; \texttt{c} \; \texttt{cosh} \left[ \; 4 \; \mathbf{x} \; \right] \; + \; \texttt{c} \; \texttt{cosh} \left[ \; 4 \; \mathbf{x} \; \right] \; + \; \texttt{c} \; \texttt{cosh} \left[ \; 4 \; \mathbf{x} \; \right] \; + \; \texttt{c} \; \texttt{cosh} \left[ \; 4 \; \mathbf{x} \; \right] \; + \; \texttt{c} \; \texttt{cosh} \left[ \; 4 \; \mathbf{x} \; \right] \; + \; \texttt{c} \; \texttt{cosh} \left[ \; 4 \; \mathbf{x} \; \right] \; + \; \texttt{c} \; \texttt{cosh} \left[ \; 4 \; \mathbf{x} \; \right] \; + \; \texttt{c} \; \texttt{cosh} \left[ \; 4 \; \mathbf{x} \; \right] \; + \; \texttt{c} \; \texttt{cosh} \left[ \; 4 \; \mathbf{x} \; \right] \; + \; \texttt{c} \; \texttt{cosh} \left[ \; 4 \; \mathbf{x} \; \right] \; + \; \texttt{c} \; \texttt{cosh} \left[ \; 4 \; \mathbf{x} \; \right] \; + \; \texttt{c} \; \texttt{cosh} \left[ \; 4 \; \mathbf{x} \; \right] \; + \; \texttt{c} \; \texttt{cosh} \left[ \; 4 \; \mathbf{x} \; \right] \; + \; \texttt{c} \; \texttt{cosh} \left[ \; 4 \; \mathbf{x} \; \right] \; + \; \texttt{c} \; \texttt{cosh} \left[ \; 4 \; \mathbf{x} \; \right] \; + \; \texttt{c} \; \texttt{cosh} \left[ \; 4 \; \mathbf{x} \; \right] \; + \; \texttt{c} \; \texttt{cosh} \left[ \; 4 \; \mathbf{x} \; \right] \; + \; \texttt{c} \; \texttt{cosh} \left[ \; 4 \; \mathbf{x} \; \right] \; + \; \texttt{c} \; \texttt{cosh} \left[ \; 4 \; \mathbf{x} \; \right] \; + \; \texttt{c} \; \texttt{cosh} \left[ \; 4 \; \mathbf{x} \; \right] \; + \; \texttt{c} \; \texttt{cosh} \left[ \; 4 \; \mathbf{x} \; \right] \; + \; \texttt{c} \; \texttt{cosh} 
                                                                                                                                            c (3 a - b + 3 c + 4 a Cosh[2 x] - 4 c Cosh[2 x] + a Cosh[4 x] + b Cosh[4 x] + c Cosh[4 x]))
                 \frac{\operatorname{ArcTanh}\Big[\frac{\sqrt{3\,\operatorname{a-b+3}\,c+4\,\operatorname{a}\,\operatorname{Cosh}[2\,x]-4\,\operatorname{c}\,\operatorname{Cosh}[4\,x]+\operatorname{b}\,\operatorname{Cosh}[4\,x]+\operatorname{c}\,\operatorname{Cosh}[4\,x]}}{2\,\sqrt{c}}\Big]}{\sqrt{c}} - \frac{1}{\sqrt{c}}\,\operatorname{ArcTanh}\Big[
                                                                     \left( (b + 2 c) \sqrt{3 a - b + 3 c + 4 a Cosh[2 x] - 4 c Cosh[2 x] + a Cosh[4 x] + b Cosh[4 x] + c Cosh[4 x]} \right) / 
                                                                                   2\sqrt{c}\sqrt{(2b^2-8ac+a(3a-b+3c+4aCosh[2x]-4cCosh[2x]+aCosh[4x]+bCosh[4x]+cCosh[4x])}
                                                                                                                                                               b (3 a - b + 3 c + 4 a Cosh[2x] - 4 c Cosh[2x] + a Cosh[4x] + b Cosh[4x] + c Cosh[4x]) + c Cosh[4x] + c Co
                                                                                                                                                              c(3a-b+3c+4aCosh[2x]-4cCosh[2x]+aCosh[4x]+bCosh[4x]+cCosh[4x])))
                                 \frac{1}{\sqrt{a+b+c}} 2 \log \left[ 2 \left( a \sqrt{3 a-b+3 c+4 a \cosh[2 x]-4 c \cosh[2 x]+a \cosh[4 x]+b \cosh[4 x]+b \cosh[4 x]+c \cosh[4 x]} \right) \right]
                                                                                                                             b\sqrt{3}a - b + 3c + 4a Cosh[2x] - 4c Cosh[2x] + a Cosh[4x] + b Cosh[4x] + c Cosh[4x] + c
                                                                                                                                               \sqrt{3} a - b + 3 c + 4 a Cosh[2 x] - 4 c Cosh[2 x] + a Cosh[4 x] + b Cosh[4 x] + c Cosh[4 x] + \sqrt{a + b + c}
                                                                                                                                               \sqrt{(2b^2 - 8ac + a(3a - b + 3c + 4aCosh[2x] - 4cCosh[2x] + aCosh[4x] + bCosh[4x] + cCosh[4x])} + cCosh[4x] + cCos
                                                                                                                                                                                            \texttt{b} \; (3 \; \texttt{a} \; - \; \texttt{b} \; + \; 3 \; \texttt{c} \; + \; 4 \; \texttt{a} \; \texttt{Cosh}[\; 2 \; \texttt{x}] \; - \; 4 \; \texttt{c} \; \texttt{Cosh}[\; 2 \; \texttt{x}] \; + \; \texttt{a} \; \texttt{Cosh}[\; 4 \; \texttt{x}] \; + \; \texttt{b} \; \texttt{Cosh}[\; 4 \; \texttt{x}] \; + \; \texttt{c} \; \texttt{Cosh}[\; 4 \; \texttt{x}] \; ) \; + \; \texttt{c} \; \texttt{cosh}[\; 4 \; \texttt{x}] \; + \; \texttt{cosh}[\; 4 \; \texttt{
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c (3 a - b + 3 c + 4 a Cosh[2 x] - 4 c Cosh[2 x] + a Cosh[4 x] + b Cosh[4 x] + c Cosh[4 x])
                                                                                                                                                                                                                                                                                                                             b \operatorname{Sech}[x]^2 \operatorname{Sinh}[2x]
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   c Sech[x]^2 Sinh[2x]
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 \sqrt{3 a - b + 3 c + 4 (a - c) \cosh[2 x] + (a + b + c) \cosh[4 x]}
                                                \sqrt{3 a - b + 3 c + 4 (a - c) \cosh[2 x] + (a + b + c) \cosh[4 x]}
                                                                                                                                                                                                                                                                    c Cosh[2x] Sech[x]^2 Sinh[2x]
                                                                   \sqrt{3 a - b + 3 c + 4 (a - c) \cosh[2 x] + (a + b + c) \cosh[4 x]}
                             (4 \text{ a Sinh} [2 x] - 4 \text{ c Sinh} [2 x] + 2 \text{ a Sinh} [4 x] + 2 \text{ b Sinh} [4 x] + 2 \text{ c Sinh} [4 x])
                           (a \ (8 \ a \ Sinh[2 \ x] \ - \ 8 \ c \ Sinh[2 \ x] \ + \ 4 \ a \ Sinh[4 \ x] \ + \ 4 \ b \ Sinh[4 \ x] \ + \ 4 \ c \ Sinh[4 \ x]) \ + \ 4 \ c \ Sinh[4 \ x]) \ + \ 4 \ c \ Sinh[4 \ x]) \ + \ 4 \ c \ Sinh[4 \ x]) \ + \ 4 \ c \ Sinh[4 \ x]) \ + \ 4 \ c \ Sinh[4 \ x]) \ + \ 4 \ c \ Sinh[4 \ x]) \ + \ 4 \ c \ Sinh[4 \ x]) \ + \ 4 \ c \ Sinh[4 \ x]) \ + \ 4 \ c \ Sinh[4 \ x]) \ + \ 4 \ c \ Sinh[4 \ x]) \ + \ 4 \ c \ Sinh[4 \ x]) \ + \ 4 \ c \ Sinh[4 \ x]) \ + \ 4 \ c \ Sinh[4 \ x]) \ + \ 4 \ c \ Sinh[4 \ x]) \ + \ 4 \ c \ Sinh[4 \ x]) \ + \ 4 \ c \ Sinh[4 \ x]) \ + \ 4 \ c \ Sinh[4 \ x]) \ + \ 4 \ c \ Sinh[4 \ x]) \ + \ 4 \ c \ Sinh[4 \ x]) \ + \ 4 \ c \ Sinh[4 \ x]) \ + \ 4 \ c \ Sinh[4 \ x]) \ + \ 4 \ c \ Sinh[4 \ x]) \ + \ 4 \ c \ Sinh[4 \ x]) \ + \ 4 \ c \ Sinh[4 \ x]) \ + \ 4 \ c \ Sinh[4 \ x]) \ + \ 4 \ c \ Sinh[4 \ x]) \ + \ 4 \ c \ Sinh[4 \ x]) \ + \ 4 \ c \ Sinh[4 \ x]) \ + \ 4 \ c \ Sinh[4 \ x]) \ + \ 4 \ c \ Sinh[4 \ x]) \ + \ 4 \ c \ Sinh[4 \ x]) \ + \ 4 \ c \ Sinh[4 \ x]) \ + \ 4 \ c \ Sinh[4 \ x]) \ + \ 4 \ c \ Sinh[4 \ x]) \ + \ 4 \ c \ Sinh[4 \ x]) \ + \ 4 \ c \ Sinh[4 \ x]) \ + \ 4 \ c \ Sinh[4 \ x]) \ + \ 4 \ c \ Sinh[4 \ x]) \ + \ 4 \ c \ Sinh[4 \ x]) \ + \ 4 \ c \ Sinh[4 \ x]) \ + \ 4 \ c \ Sinh[4 \ x]) \ + \ 4 \ c \ Sinh[4 \ x]) \ + \ 4 \ c \ Sinh[4 \ x]) \ + \ 4 \ c \ Sinh[4 \ x]) \ + \ 4 \ c \ Sinh[4 \ x]) \ + \ 4 \ c \ Sinh[4 \ x]) \ + \ 4 \ c \ Sinh[4 \ x]) \ + \ 4 \ c \ Sinh[4 \ x]) \ + \ 4 \ c \ Sinh[4 \ x]) \ + \ 4 \ c \ Sinh[4 \ x]) \ + \ 4 \ c \ Sinh[4 \ x]) \ + \ 4 \ c \ Sinh[4 \ x]) \ + \ 4 \ c \ Sinh[4 \ x]) \ + \ 4 \ c \ Sinh[4 \ x]) \ + \ 4 \ c \ Sinh[4 \ x]) \ + \ 4 \ c \ Sinh[4 \ x]) \ + \ 4 \ c \ Sinh[4 \ x]) \ + \ 4 \ c \ Sinh[4 \ x]) \ + \ 4 \ c \ Sinh[4 \ x]) \ + \ 4 \ c \ Sinh[4 \ x]) \ + \ 4 \ c \ Sinh[4 \ x]) \ + \ 4 \ c \ Sinh[4 \ x]) \ + \ 4 \ c \ Sinh[4 \ x]) \ + \ 4 \ c \ Sinh[4 \ x]) \ + \ 4 \ c \ Sinh[4 \ x]) \ + \ 4 \ c \ Sinh[4 \ x]) \ + \ 4 \ c \ Sinh[4 \ x]) \ + \ 4 \ c \ Sinh[4 \ x]) \ + \ 4 \ c \ Sinh[4 \ x]) \ + \ 4 \ c \ Sinh[4 \ x]) \ + \ 4 \ c \ Sinh[4 \ 
                                                           b\ (8\ a\ Sinh[2\ x]\ -\ 8\ c\ Sinh[2\ x]\ +\ 4\ a\ Sinh[4\ x]\ +\ 4\ b\ Sinh[4\ x]\ +\ 4\ c\ Sinh[4\ x]\ )\ +\ 4\ c\ Sinh[4\ x]\ )\ +\ (8\ a\ S
                                                            \texttt{c} \; ( \texttt{8} \; \texttt{a} \; \texttt{Sinh} \, [ \, \texttt{2} \; \texttt{x} \, ] \; - \; \texttt{8} \; \texttt{c} \; \texttt{Sinh} \, [ \, \texttt{2} \; \texttt{x} \, ] \; + \; \texttt{4} \; \texttt{a} \; \texttt{Sinh} \, [ \, \texttt{4} \; \texttt{x} \, ] \; + \; \texttt{4} \; \texttt{b} \; \texttt{Sinh} \, [ \, \texttt{4} \; \texttt{x} \, ] \; + \; \texttt{4} \; \texttt{c} \; \texttt{Sinh} \, [ \, \texttt{4} \; \texttt{x} \, ] \; ) \; ) \; 
64 \ (b-c+c \ Cosh[2 \ x]) \ \sqrt{3} \ a-b+3 \ c+4 \ a \ Cosh[2 \ x]-4 \ c \ Cosh[2 \ x]+a \ Cosh[4 \ x]+b \ Cosh[4 \ x]+c \ Co
                        \left(2\;b^2\;-\;8\;a\;c\;+\;a\;\left(3\;a\;-\;b\;+\;3\;c\;+\;4\;a\;Cosh\left[2\;x\right]\;-\;4\;c\;Cosh\left[2\;x\right]\;+\;a\;Cosh\left[4\;x\right]\;+\;b\;Cosh\left[4\;x\right]\;+\;c\;Cosh\left[4\;x\right]\;)\;+\;a\;Cosh\left[4\;x\right]\;+\;b\;Cosh\left[4\;x\right]\;+\;b\;Cosh\left[4\;x\right]\;+\;b\;Cosh\left[4\;x\right]\;+\;b\;Cosh\left[4\;x\right]\;+\;b\;Cosh\left[4\;x\right]\;+\;b\;Cosh\left[4\;x\right]\;+\;b\;Cosh\left[4\;x\right]\;+\;b\;Cosh\left[4\;x\right]\;+\;b\;Cosh\left[4\;x\right]\;+\;b\;Cosh\left[4\;x\right]\;+\;b\;Cosh\left[4\;x\right]\;+\;b\;Cosh\left[4\;x\right]\;+\;b\;Cosh\left[4\;x\right]\;+\;b\;Cosh\left[4\;x\right]\;+\;b\;Cosh\left[4\;x\right]\;+\;b\;Cosh\left[4\;x\right]\;+\;b\;Cosh\left[4\;x\right]\;+\;b\;Cosh\left[4\;x\right]\;+\;b\;Cosh\left[4\;x\right]\;+\;b\;Cosh\left[4\;x\right]\;+\;b\;Cosh\left[4\;x\right]\;+\;b\;Cosh\left[4\;x\right]\;+\;b\;Cosh\left[4\;x\right]\;+\;b\;Cosh\left[4\;x\right]\;+\;b\;Cosh\left[4\;x\right]\;+\;b\;Cosh\left[4\;x\right]\;+\;b\;Cosh\left[4\;x\right]\;+\;b\;Cosh\left[4\;x\right]\;+\;b\;Cosh\left[4\;x\right]\;+\;b\;Cosh\left[4\;x\right]\;+\;b\;Cosh\left[4\;x\right]\;+\;b\;Cosh\left[4\;x\right]\;+\;b\;Cosh\left[4\;x\right]\;+\;b\;Cosh\left[4\;x\right]\;+\;b\;Cosh\left[4\;x\right]\;+\;b\;Cosh\left[4\;x\right]\;+\;b\;Cosh\left[4\;x\right]\;+\;b\;Cosh\left[4\;x\right]\;+\;b\;Cosh\left[4\;x\right]\;+\;b\;Cosh\left[4\;x\right]\;+\;b\;Cosh\left[4\;x\right]\;+\;b\;Cosh\left[4\;x\right]\;+\;b\;Cosh\left[4\;x\right]\;+\;b\;Cosh\left[4\;x\right]\;+\;b\;Cosh\left[4\;x\right]\;+\;b\;Cosh\left[4\;x\right]\;+\;b\;Cosh\left[4\;x\right]\;+\;b\;Cosh\left[4\;x\right]\;+\;b\;Cosh\left[4\;x\right]\;+\;b\;Cosh\left[4\;x\right]\;+\;b\;Cosh\left[4\;x\right]\;+\;b\;Cosh\left[4\;x\right]\;+\;b\;Cosh\left[4\;x\right]\;+\;b\;Cosh\left[4\;x\right]\;+\;b\;Cosh\left[4\;x\right]\;+\;b\;Cosh\left[4\;x\right]\;+\;b\;Cosh\left[4\;x\right]\;+\;b\;Cosh\left[4\;x\right]\;+\;b\;Cosh\left[4\;x\right]\;+\;b\;Cosh\left[4\;x\right]\;+\;b\;Cosh\left[4\;x\right]\;+\;b\;Cosh\left[4\;x\right]\;+\;b\;Cosh\left[4\;x\right]\;+\;b\;Cosh\left[4\;x\right]\;+\;b\;Cosh\left[4\;x\right]\;+\;b\;Cosh\left[4\;x\right]\;+\;b\;Cosh\left[4\;x\right]\;+\;b\;Cosh\left[4\;x\right]\;+\;b\;Cosh\left[4\;x\right]\;+\;b\;Cosh\left[4\;x\right]\;+\;b\;Cosh\left[4\;x\right]\;+\;b\;Cosh\left[4\;x\right]\;+\;b\;Cosh\left[4\;x\right]\;+\;b\;Cosh\left[4\;x\right]\;+\;b\;Cosh\left[4\;x\right]\;+\;b\;Cosh\left[4\;x\right]\;+\;b\;Cosh\left[4\;x\right]\;+\;b\;Cosh\left[4\;x\right]\;+\;b\;Cosh\left[4\;x\right]\;+\;b\;Cosh\left[4\;x\right]\;+\;b\;Cosh\left[4\;x\right]\;+\;b\;Cosh\left[4\;x\right]\;+\;b\;Cosh\left[4\;x\right]\;+\;b\;Cosh\left[4\;x\right]\;+\;b\;Cosh\left[4\;x\right]\;+\;b\;Cosh\left[4\;x\right]\;+\;b\;Cosh\left[4\;x\right]\;+\;b\;Cosh\left[4\;x\right]\;+\;b\;Cosh\left[4\;x\right]\;+\;b\;Cosh\left[4\;x\right]\;+\;b\;Cosh\left[4\;x\right]\;+\;b\;Cosh\left[4\;x\right]\;+\;b\;Cosh\left[4\;x\right]\;+\;b\;Cosh\left[4\;x\right]\;+\;b\;Cosh\left[4\;x\right]\;+\;b\;Cosh\left[4\;x\right]\;+\;b\;Cosh\left[4\;x\right]\;+\;b\;Cosh\left[4\;x\right]\;+\;b\;Cosh\left[4\;x\right]\;+\;b\;Cosh\left[4\;x\right]\;+\;b\;Cosh\left[4\;x\right]\;+\;b\;Cosh\left[4\;x\right]\;+\;b\;Cosh\left[4\;x\right]\;+\;b\;Cosh\left[4\;x\right]\;+\;b\;Cosh\left[4\;x\right]\;+\;b\;Cosh\left[4\;x\right]\;+\;b\;Cosh\left[4\;x\right]\;+\;b\;Cosh\left[4\;x\right]\;+\;b\;Cosh\left[4\;x\right]\;+\;b\;Cosh\left[4\;x\right]\;+\;b\;Cosh\left[4\;x\right]\;+\;b\;Cosh\left[4\;x\right]\;+\;b\;Cosh\left[4\;x\right]\;+\;b\;Cosh\left[4\;x\right]\;+\;b\;Cosh\left[4\;x\right]\;+\;b\;Cosh\left[4\;x\right]\;+\;b\;Cosh\left[4\;x\right]\;+\;b\;Cosh\left[4\;x\right]\;+\;b\;Cosh\left[4\;x\right]\;+\;
                                                                             \texttt{b} \; ( \; \texttt{3} \; \texttt{a} \; - \; \texttt{b} \; + \; \texttt{3} \; \texttt{c} \; + \; \texttt{4} \; \texttt{a} \; \texttt{Cosh} [ \; \texttt{2} \; \texttt{x} ] \; - \; \texttt{4} \; \texttt{c} \; \texttt{Cosh} [ \; \texttt{2} \; \texttt{x} ] \; + \; \texttt{a} \; \texttt{Cosh} [ \; \texttt{4} \; \texttt{x} ] \; + \; \texttt{b} \; \texttt{Cosh} [ \; \texttt{4} \; \texttt{x} ] \; + \; \texttt{c} \; \texttt{Cosh} [ \; \texttt{4} \; \texttt{x} ] \; ) \; + \; \texttt{cosh} [ \; \texttt{4} \; \texttt{x} ] \; + \; \texttt{cosh} [ \; \texttt{4} \; \texttt{x} ] \; + \; \texttt{cosh} [ \; \texttt{4} \; \texttt{x} ] \; + \; \texttt{cosh} [ \; \texttt{4} \; \texttt{x} ] \; + \; \texttt{cosh} [ \; \texttt{4} \; \texttt{x} ] \; + \; \texttt{cosh} [ \; \texttt{4} \; \texttt{x} ] \; + \; \texttt{cosh} [ \; \texttt{4} \; \texttt{x} ] \; + \; \texttt{cosh} [ \; \texttt{4} \; \texttt{x} ] \; + \; \texttt{cosh} [ \; \texttt{4} \; \texttt{x} ] \; + \; \texttt{cosh} [ \; \texttt{4} \; \texttt{x} ] \; + \; \texttt{cosh} [ \; \texttt{4} \; \texttt{x} ] \; + \; \texttt{cosh} [ \; \texttt{4} \; \texttt{x} ] \; + \; \texttt{cosh} [ \; \texttt{4} \; \texttt{x} ] \; + \; \texttt{cosh} [ \; \texttt{4} \; \texttt{x} ] \; + \; \texttt{cosh} [ \; \texttt{4} \; \texttt{x} ] \; + \; \texttt{cosh} [ \; \texttt{4} \; \texttt{x} ] \; + \; \texttt{cosh} [ \; \texttt{4} \; \texttt{x} ] \; + \; \texttt{cosh} [ \; \texttt{4} \; \texttt{x} ] \; + \; \texttt{cosh} [ \; \texttt{4} \; \texttt{x} ] \; + \; \texttt{cosh} [ \; \texttt{4} \; \texttt{x} ] \; + \; \texttt{cosh} [ \; \texttt{4} \; \texttt{x} ] \; + \; \texttt{cosh} [ \; \texttt{4} \; \texttt{x} ] \; + \; \texttt{cosh} [ \; \texttt{4} \; \texttt{x} ] \; + \; \texttt{cosh} [ \; \texttt{4} \; \texttt{x} ] \; + \; \texttt{cosh} [ \; \texttt{4} \; \texttt{x} ] \; + \; \texttt{cosh} [ \; \texttt{4} \; \texttt{x} ] \; + \; \texttt{cosh} [ \; \texttt{4} \; \texttt{x} ] \; + \; \texttt{cosh} [ \; \texttt{4} \; \texttt{x} ] \; + \; \texttt{cosh} [ \; \texttt{4} \; \texttt{x} ] \; + \; \texttt{cosh} [ \; \texttt{4} \; \texttt{x} ] \; + \; \texttt{cosh} [ \; \texttt{4} \; \texttt{x} ] \; + \; \texttt{cosh} [ \; \texttt{4} \; \texttt{x} ] \; + \; \texttt{cosh} [ \; \texttt{4} \; \texttt{x} ] \; + \; \texttt{cosh} [ \; \texttt{4} \; \texttt{x} ] \; + \; \texttt{cosh} [ \; \texttt{4} \; \texttt{x} ] \; + \; \texttt{cosh} [ \; \texttt{4} \; \texttt{x} ] \; + \; \texttt{cosh} [ \; \texttt{4} \; \texttt{x} ] \; + \; \texttt{cosh} [ \; \texttt{4} \; \texttt{x} ] \; + \; \texttt{cosh} [ \; \texttt{4} \; \texttt{x} ] \; + \; \texttt{cosh} [ \; \texttt{4} \; \texttt{x} ] \; + \; \texttt{cosh} [ \; \texttt{4} \; \texttt{x} ] \; + \; \texttt{cosh} [ \; \texttt{4} \; \texttt{x} ] \; + \; \texttt{cosh} [ \; \texttt{4} \; \texttt{x} ] \; + \; \texttt{cosh} [ \; \texttt{4} \; \texttt{x} ] \; + \; \texttt{cosh} [ \; \texttt{4} \; \texttt{x} ] \; + \; \texttt{cosh} [ \; \texttt{4} \; \texttt{x} ] \; + \; \texttt{cosh} [ \; \texttt{4} \; \texttt{x} ] \; + \; \texttt{cosh} [ \; \texttt{4} \; \texttt{x} ] \; + \; \texttt{cosh} [ \; \texttt{4} \; \texttt{x} ] \; + \; \texttt{cosh} [ \; \texttt{4} \; \texttt{x} ] \; + \; \texttt{cosh} [ \; \texttt{4} \; \texttt{x} ] \; + \; \texttt{cosh} [ \; \texttt{4} \; \texttt{x} ] \; + \; \texttt{cosh} [ \; \texttt{4} \; \texttt{x} ] \; + \; \texttt{cosh} [ \; \texttt{4} \; \texttt{x} ] \; + \; \texttt{cosh} [ \; \texttt{4} \; \texttt{x} ] \; + \; \texttt{cosh} [ \; 
                                                                                  \texttt{c} \; \left( \; 3 \; \texttt{a} \; - \; \texttt{b} \; + \; 3 \; \texttt{c} \; + \; 4 \; \texttt{a} \; \texttt{Cosh}[\; 2 \; \texttt{x} \; ] \; \; - \; 4 \; \texttt{c} \; \texttt{Cosh}[\; 2 \; \texttt{x} \; ] \; \; + \; \texttt{a} \; \texttt{Cosh}[\; 4 \; \texttt{x} \; ] \; \; + \; \texttt{b} \; \texttt{Cosh}[\; 4 \; \texttt{x} \; ] \; \; \right) \; \right)^{3/2} 
                     \sqrt{\left(\frac{1}{a+b+c}\left(-4 \text{ a} - 2 \text{ b} + \sqrt{2} \sqrt{(2 \text{ b}^2 - 8 \text{ a} \text{ c} + \text{ a} (3 \text{ a} - \text{b} + 3 \text{ c} + 4 \text{ a} \text{ Cosh}[2 \text{ x}] - 4 \text{ c} \text{ Cosh}[2 \text{ x}] + \text{a} \text{ Cosh}[4 \text{ x}] + \text{b} \text{ Cosh}[4 \text{ x}] + \text{b} \text{ Cosh}[4 \text{ x}] + \text{c} \text{cosh}[4 \text{ x
                                                                                                                                                                                                                                                         \texttt{c} \; \texttt{Cosh[4\,x]} \;) \; + \; \texttt{b} \; (3 \; \texttt{a} \; - \; \texttt{b} \; + \; 3 \; \texttt{c} \; + \; 4 \; \texttt{a} \; \texttt{Cosh[2\,x]} \; - \; 4 \; \texttt{c} \; \texttt{Cosh[2\,x]} \; + \; \texttt{a} \; \texttt{Cosh[4\,x]} \; + \; \texttt{b} \; \texttt{Cosh[4\,x]} \; + \; \texttt{c} \; \texttt{Cosh[4\,x]} \;) \; + \; \texttt{c} \; \texttt{cosh[4\,x]} \; + \; \texttt
                                                                                                                                                                                                c (3 a - b + 3 c + 4 a Cosh[2 x] - 4 c Cosh[2 x] + a Cosh[4 x] + b Cosh[4 x] + c Cosh[4 x]))
                             \left(-2\,\text{a} + 2\,\text{c} + \sqrt{2}\,\,\sqrt{\left(2\,b^2 - 8\,\text{a}\,\text{c} + \text{a}\,\left(3\,\text{a} - b + 3\,\text{c} + 4\,\text{a}\,\text{Cosh}\left[2\,x\right] - 4\,\text{c}\,\text{Cosh}\left[2\,x\right] + \text{a}\,\text{Cosh}\left[4\,x\right] + b\,\text{Cosh}\left[4\,x\right] + c\,\text{Cosh}\left[4\,x\right]\right) + c\,\text{Cosh}\left[4\,x\right]\right) + c\,\text{Cosh}\left[4\,x\right] + c\,\text{Cos
                                                                                                                                     b\ (3\ a-b+3\ c+4\ a\ Cosh[2\ x]\ -4\ c\ Cosh[2\ x]\ +a\ Cosh[4\ x]\ +b\ Cosh[4\ x]\ +c\ Cosh[4\ x]\ )\ +c\ Cosh[4\ x]\ )\ +c\ Cosh[4\ x]\ )\ +c\ Cosh[4\ x]\ )
                                                                                                                                       c(3a-b+3c+4aCosh[2x]-4cCosh[2x]+aCosh[4x]+bCosh[4x]+cCosh[4x]))
                                        \int \left[ -1 + \frac{1}{2(a+b+c)} \left( -2a+2c+\sqrt{2}\sqrt{2b^2-8ac+a(3a-b+3c+4aCosh[2x]-4cCosh[2x]+aCosh[4x] + \frac{1}{2(a+b+c)} \left( -2a+2c+\sqrt{2}\sqrt{2b^2-8ac+a(3a-b+3c+4aCosh[2x]-4cCosh[2x] + aCosh[4x] + \frac{1}{2(a+b+c)} \left( -2a+2c+\sqrt{2}\sqrt{2b^2-8ac+a(3a-b+3c+4aCosh[2x]-4cCosh[2x] + aCosh[4x] + \frac{1}{2(a+b+c)} \left( -2a+2c+\sqrt{2}\sqrt{2b^2-8ac+a(3a-b+3c+4aCosh[2x]-4cCosh[2x] + aCosh[2x] + 
                                                                                                                                                                                                                                                                               b \, Cosh[4\,x] + c \, Cosh[4\,x]) + b \, (3\,a - b + 3\,c + 4\,a \, Cosh[2\,x] - 4\,c \, Cosh[2\,x] + a \, Cosh[4\,x] + b 
                                                                                                                                                                                                                                                                            c \cosh[4x] + c (3a - b + 3c + 4a \cosh[2x] - 4c \cosh[2x] + a \cosh[4x] + b \cosh[4x] + c \cosh[4x])
                     \sqrt{\left[1 + \frac{1}{2(a+b+c)} \left(-2a+2c+\sqrt{2}\sqrt{2b^2-8ac+a(3a-b+3c+4aCosh[2x]-4cCosh[2x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh
                                                                                                                                                                                                                                                                               b \, Cosh[4\,x] \, + c \, Cosh[4\,x]) \, + b \, (3\,a - b + 3\,c + 4\,a \, Cosh[2\,x] \, - 4\,c \, Cosh[2\,x] \, + a \, Cosh[4\,x] \, + b 
                                                                                                                                                                                                                                                                               c \cosh[4x] + c (3a - b + 3c + 4a \cosh[2x] - 4c \cosh[2x] + a \cosh[4x] + b \cosh[4x] + c \cosh[4x])
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\sqrt{(3 a - b + 3 c + 4 (a - c) Cosh[2 x] + (a + b + c) Cosh[4 x]) Sech[x]^4}
 (3 a - b + 3 c + 4 (a - c) Cosh[2x] + (a + b + c) Cosh[4x])
\sqrt{\left(\frac{1}{a+b+c}\left(2\,b+4\,c+\sqrt{2}\,\sqrt{\left(2\,b^2-8\,a\,c+a\,\left(3\,a-b+3\,c+4\,a\,Cosh[2\,x]-4\,c\,Cosh[2\,x]+a\,Cosh[4\,x]+b\,Cosh[4\,x]\right.\right)}\right)}
                                                                                                                   \verb| c Cosh[4x]| + b (3a - b + 3c + 4a Cosh[2x] - 4c Cosh[2x] + a Cosh[4x] + b Cosh[4x] + c Cosh[4x]| + c Cosh[4x
                                                                                      c(3a-b+3c+4aCosh[2x]-4cCosh[2x]+aCosh[4x]+bCosh[4x]+cCosh[4x]))
         ArcTanh \left[ \frac{\sqrt{3 \text{ a-b+3 c+4 a } \text{Cosh}[2 \text{ x}] - 4 \text{ c } \text{Cosh}[2 \text{ x}] + a \text{ Cosh}[4 \text{ x}] + b \text{ Cosh}[4 \text{ x}] + c \text{ Cosh}[4 \text{ x}]}{2 \text{ cosh}[4 \text{ x}] + b \text{ Cosh}[4 \text{ x}] + b \text{ Cosh}[4 \text{ x}]} \right] + c \text{ Cosh}[4 \text{ x}] + b 
                                          (b+2c)\sqrt{3a-b+3c+4a Cosh[2x]-4c Cosh[2x]+a Cosh[4x]+b Cosh[4x]+c Cosh[4x]}
                                                  2\sqrt{c}\sqrt{(2b^2-8ac+a(3a-b+3c+4aCosh[2x]-4cCosh[2x]+aCosh[4x]+bCosh[4x]+cCosh[4x])}
                                                                                                 b \; (3 \; a \; -b \; + \; 3 \; c \; + \; 4 \; a \; Cosh[\; 2 \; x] \; - \; 4 \; c \; Cosh[\; 2 \; x] \; + \; a \; Cosh[\; 4 \; x] \; + \; b \; Cosh[\; 4 \; x] \; + \; c \; Cosh[\; 4 \; x] \; ) \; + \; c \; Cosh[\; 4 \; x] \; ) \; + \; c \; Cosh[\; 4 \; x] \; ) \; + \; c \; Cosh[\; 4 \; x] \; ) \; + \; c \; Cosh[\; 4 \; x] \; ) \; + \; c \; Cosh[\; 4 \; x] \; ) \; + \; c \; Cosh[\; 4 \; x] \; ) \; + \; c \; Cosh[\; 4 \; x] \; ) \; + \; c \; Cosh[\; 4 \; x] \; ) \; + \; c \; Cosh[\; 4 \; x] \; ) \; + \; c \; Cosh[\; 4 \; x] \; ) \; + \; c \; Cosh[\; 4 \; x] \; ) \; + \; c \; Cosh[\; 4 \; x] \; ) \; + \; c \; Cosh[\; 4 \; x] \; ) \; + \; c \; Cosh[\; 4 \; x] \; ) \; + \; c \; Cosh[\; 4 \; x] \; ) \; + \; c \; Cosh[\; 4 \; x] \; ) \; + \; c \; Cosh[\; 4 \; x] \; ) \; + \; c \; Cosh[\; 4 \; x] \; ) \; + \; c \; Cosh[\; 4 \; x] \; ) \; + \; c \; Cosh[\; 4 \; x] \; ) \; + \; c \; Cosh[\; 4 \; x] \; ) \; + \; c \; Cosh[\; 4 \; x] \; ) \; + \; c \; Cosh[\; 4 \; x] \; ) \; + \; c \; Cosh[\; 4 \; x] \; ) \; + \; c \; Cosh[\; 4 \; x] \; ) \; + \; c \; Cosh[\; 4 \; x] \; ) \; + \; c \; Cosh[\; 4 \; x] \; ) \; + \; c \; Cosh[\; 4 \; x] \; ) \; + \; c \; Cosh[\; 4 \; x] \; ) \; + \; c \; Cosh[\; 4 \; x] \; ) \; + \; c \; Cosh[\; 4 \; x] \; ) \; + \; c \; Cosh[\; 4 \; x] \; ) \; + \; c \; Cosh[\; 4 \; x] \; ) \; + \; c \; Cosh[\; 4 \; x] \; ) \; + \; c \; Cosh[\; 4 \; x] \; ) \; + \; c \; Cosh[\; 4 \; x] \; ) \; + \; c \; Cosh[\; 4 \; x] \; ) \; + \; c \; Cosh[\; 4 \; x] \; ) \; + \; c \; Cosh[\; 4 \; x] \; ) \; + \; c \; Cosh[\; 4 \; x] \; ) \; + \; c \; Cosh[\; 4 \; x] \; ) \; + \; c \; Cosh[\; 4 \; x] \; ) \; + \; c \; Cosh[\; 4 \; x] \; ) \; + \; c \; Cosh[\; 4 \; x] \; ) \; + \; c \; Cosh[\; 4 \; x] \; ) \; + \; c \; Cosh[\; 4 \; x] \; ) \; + \; c \; Cosh[\; 4 \; x] \; ) \; + \; c \; Cosh[\; 4 \; x] \; ) \; + \; c \; Cosh[\; 4 \; x] \; ) \; + \; c \; Cosh[\; 4 \; x] \; + \; c \; Cosh[\; 4 \; x] \; ) \; + \; c \; Cosh[\; 4 \; x] \; ) \; + \; c \; Cosh[\; 4 \; x] \; + \; c \; Cosh[\; 4 \; x] \; + \; c \; Cosh[\; 4 \; x] \; + \; c \; Cosh[\; 4 \; x] \; + \; c \; Cosh[\; 4 \; x] \; + \; c \; Cosh[\; 4 \; x] \; + \; c \; Cosh[\; 4 \; x] \; + \; c \; Cosh[\; 4 \; x] \; + \; c \; Cosh[\; 4 \; x] \; + \; c \; Cosh[\; 4 \; x] \; + \; c \; Cosh[\; 4 \; x] \; + \; c \; Cosh[\; 4 \; x] \; + \; c \; Cosh[\; 4 \; x] \; + \; c \; Cosh[\; 4 \; x] \; + \; c \; Cosh[\; 4 \; x] \; + \; c \; Cosh[\; 4 \; x] \; + \; c \; Cosh[\; 4 \; x] \; + \; c \; Cosh[\; 4 \; x] 
                                                                                                c (3 a - b + 3 c + 4 a Cosh[2 x] - 4 c Cosh[2 x] + a Cosh[4 x] + b Cosh[4 x] + c Cosh[4 x]))
                    \frac{1}{\sqrt{a+b+c}} \ 2 \ \text{Log} \left[ 2 \ \left( a \ \sqrt{3} \ a-b+3 \ c+4 \ a \ \text{Cosh} [2 \ x] \ -4 \ c \ \text{Cosh} [2 \ x] \ +a \ \text{Cosh} [4 \ x] \ +b \ \text{Cosh} [4 \ x] \ +c \ \text{Cosh} [4 \ x] \ 
                                                                            b\sqrt{3}a - b + 3c + 4a Cosh[2x] - 4c Cosh[2x] + a Cosh[4x] + b Cosh[4x] + c Cosh[4x] + c
                                                                                         \sqrt{3} a - b + 3 c + 4 a Cosh [2 x] - 4 c Cosh [2 x] + a Cosh [4 x] + b Cosh [4 x] + c Cosh [4 x] + \sqrt{a + b + c}
                                                                                       \sqrt{(2b^2 - 8ac + a(3a - b + 3c + 4aCosh[2x] - 4cCosh[2x] + aCosh[4x] + bCosh[4x] + cCosh[4x])}
                                                                                                                    \texttt{b} \; (3 \; \texttt{a} \; - \; \texttt{b} \; + \; 3 \; \texttt{c} \; + \; 4 \; \texttt{a} \; \texttt{Cosh}[\; 2 \; \texttt{x}] \; - \; 4 \; \texttt{c} \; \texttt{Cosh}[\; 2 \; \texttt{x}] \; + \; \texttt{a} \; \texttt{Cosh}[\; 4 \; \texttt{x}] \; + \; \texttt{b} \; \texttt{Cosh}[\; 4 \; \texttt{x}] \; + \; \texttt{c} \; \texttt{Cosh}[\; 4 \; \texttt{x}] \; ) \; + \; \texttt{c} \; \texttt{cosh}[\; 4 \; \texttt{x}] \; + \; \texttt{cosh}[\; 4 \; \texttt{
                                                                                                                   c (3 a - b + 3 c + 4 a Cosh[2 x] - 4 c Cosh[2 x] + a Cosh[4 x] + b Cosh[4 x] + c Cosh[4 x])) Sech[x]<sup>2</sup>
                                                                                                                                                    b \operatorname{Sech}[x]^2 \operatorname{Sinh}[2x]
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           c Sech[x]^2 Sinh[2x]
            \sqrt{3 \, a - b + 3 \, c + 4 \, (a - c) \, Cosh[2 \, x] + (a + b + c) \, Cosh[4 \, x]} - \sqrt{3 \, a - b + 3 \, c + 4 \, (a - c) \, Cosh[2 \, x] + (a + b + c) \, Cosh[4 \, x]}
                                                                                                                       c Cosh[2x] Sech[x]^2 Sinh[2x]
                       \sqrt{3 a - b + 3 c + 4 (a - c) \cosh[2 x] + (a + b + c) \cosh[4 x]}
    (4 \text{ a Sinh}[2 \text{ x}] - 4 \text{ c Sinh}[2 \text{ x}] + 2 \text{ a Sinh}[4 \text{ x}] + 2 \text{ b Sinh}[4 \text{ x}] + 2 \text{ c Sinh}[4 \text{ x}])
                                      a (8 a Sinh[2x] - 8 c Sinh[2x] + 4 a Sinh[4x] + 4 b Sinh[4x] + 4 c Sinh[4x])
            \sqrt{3 \text{ a - b + 3 c + 4 a } \text{Cosh}[2 \text{ x}] - 4 \text{ c } \text{Cosh}[2 \text{ x}] + \text{a } \text{Cosh}[4 \text{ x}] + \text{b } \text{Cosh}[4 \text{ x}] + \text{c } \text{Cosh}[4 \text{ x}]}
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b\ (8\ a\ Sinh[2\ x]\ -\ 8\ c\ Sinh[2\ x]\ +\ 4\ a\ Sinh[4\ x]\ +\ 4\ b\ Sinh[4\ x]\ +\ 4\ c\ Sinh[4\ x]\ )
                                                   \sqrt{3 \text{ a - b + 3 c + 4 a } \text{Cosh}[2 \text{ x}] - 4 \text{ c } \text{Cosh}[2 \text{ x}] + \text{a } \text{Cosh}[4 \text{ x}] + \text{b } \text{Cosh}[4 \text{ x}] + \text{c } \text{Cosh}[4 \text{ x}]}
                                                                                         \verb|c| (8 a Sinh[2 x] - 8 c Sinh[2 x] + 4 a Sinh[4 x] + 4 b Sinh[4 x] + 4 c Sinh[4 x]) | \\
                                                 \sqrt{3 \text{ a - b + 3 c + 4 a } \text{Cosh}[2 \text{ x}] - 4 \text{ c } \text{Cosh}[2 \text{ x}] + \text{a } \text{Cosh}[4 \text{ x}] + \text{b } \text{Cosh}[4 \text{ x}] + \text{c } \text{Cosh}[4 \text{ x}]}
32 \ (b-c+c \ Cosh[2 \ x]) \ \sqrt{3} \ a-b+3 \ c+4 \ a \ Cosh[2 \ x]-4 \ c \ Cosh[2 \ x]+a \ Cosh[4 \ x]+b \ Cosh[4 \ x]+c \ Co
                  \sqrt{(2b^2 - 8 \text{ a c} + \text{a } (3 \text{ a} - b + 3 \text{ c} + 4 \text{ a } \text{Cosh}[2 \text{ x}] - 4 \text{ c } \text{Cosh}[2 \text{ x}] + \text{a } \text{Cosh}[4 \text{ x}] + b \text{ Cosh}[4 \text{ x}] + c \text{ Cosh}[4 \text{ x}])}
                                                          \texttt{b} \; ( \; 3 \; \texttt{a} \; - \; \texttt{b} \; + \; 3 \; \texttt{c} \; + \; 4 \; \texttt{a} \; \texttt{Cosh}[ \; 2 \; \texttt{x} ] \; - \; 4 \; \texttt{c} \; \texttt{Cosh}[ \; 2 \; \texttt{x} ] \; + \; \texttt{a} \; \texttt{Cosh}[ \; 4 \; \texttt{x} ] \; + \; \texttt{b} \; \texttt{Cosh}[ \; 4 \; \texttt{x} ] \; + \; \texttt{c} \; \texttt{Cosh}[ \; 4 \; \texttt{x} ] \; ) \; + \; \texttt{cosh}[ \; 4 \; \texttt{x} ] \; + \; \texttt{cosh}[ \; 4 \; \texttt{x} ] \; + \; \texttt{cosh}[ \; 4 \; \texttt{x} ] \; ) \; + \; \texttt{cosh}[ \; 4 \; \texttt{x} ] \; + \; \texttt{cosh}[ \; 4 \; \texttt{x} ] \; + \; \texttt{cosh}[ \; 4 \; \texttt{x} ] \; + \; \texttt{cosh}[ \; 4 \; \texttt{x} ] \; + \; \texttt{cosh}[ \; 4 \; \texttt{x} ] \; + \; \texttt{cosh}[ \; 4 \; \texttt{x} ] \; + \; \texttt{cosh}[ \; 4 \; \texttt{x} ] \; + \; \texttt{cosh}[ \; 4 \; \texttt{x} ] \; + \; \texttt{cosh}[ \; 4 \; \texttt{x} ] \; + \; \texttt{cosh}[ \; 4 \; \texttt{x} ] \; + \; \texttt{cosh}[ \; 4 \; \texttt{x} ] \; + \; \texttt{cosh}[ \; 4 \; \texttt{x} ] \; + \; \texttt{cosh}[ \; 4 \; \texttt{x} ] \; + \; \texttt{cosh}[ \; 4 \; \texttt{x} ] \; + \; \texttt{cosh}[ \; 4 \; \texttt{x} ] \; + \; \texttt{cosh}[ \; 4 \; \texttt{x} ] \; + \; \texttt{cosh}[ \; 4 \; \texttt{x} ] \; + \; \texttt{cosh}[ \; 4 \; \texttt{x} ] \; + \; \texttt{cosh}[ \; 4 \; \texttt{x} ] \; + \; \texttt{cosh}[ \; 4 \; \texttt{x} ] \; + \; \texttt{cosh}[ \; 4 \; \texttt{x} ] \; + \; \texttt{cosh}[ \; 4 \; \texttt{x} ] \; + \; \texttt{cosh}[ \; 4 \; \texttt{x} ] \; + \; \texttt{cosh}[ \; 4 \; \texttt{x} ] \; + \; \texttt{cosh}[ \; 4 \; \texttt{x} ] \; + \; \texttt{cosh}[ \; 4 \; \texttt{x} ] \; + \; \texttt{cosh}[ \; 4 \; \texttt{x} ] \; + \; \texttt{cosh}[ \; 4 \; \texttt{x} ] \; + \; \texttt{cosh}[ \; 4 \; \texttt{x} ] \; + \; \texttt{cosh}[ \; 4 \; \texttt{x} ] \; + \; \texttt{cosh}[ \; 4 \; \texttt{x} ] \; + \; \texttt{cosh}[ \; 4 \; \texttt{x} ] \; + \; \texttt{cosh}[ \; 4 \; \texttt{x} ] \; + \; \texttt{cosh}[ \; 4 \; \texttt{x} ] \; + \; \texttt{cosh}[ \; 4 \; \texttt{x} ] \; + \; \texttt{cosh}[ \; 4 \; \texttt{x} ] \; + \; \texttt{cosh}[ \; 4 \; \texttt{x} ] \; + \; \texttt{cosh}[ \; 4 \; \texttt{x} ] \; + \; \texttt{cosh}[ \; 4 \; \texttt{x} ] \; + \; \texttt{cosh}[ \; 4 \; \texttt{x} ] \; + \; \texttt{cosh}[ \; 4 \; \texttt{x} ] \; + \; \texttt{cosh}[ \; 4 \; \texttt{x} ] \; + \; \texttt{cosh}[ \; 4 \; \texttt{x} ] \; + \; \texttt{cosh}[ \; 4 \; \texttt{x} ] \; + \; \texttt{cosh}[ \; 4 \; \texttt{x} ] \; + \; \texttt{cosh}[ \; 4 \; \texttt{x} ] \; + \; \texttt{cosh}[ \; 4 \; \texttt{x} ] \; + \; \texttt{cosh}[ \; 4 \; \texttt{x} ] \; + \; \texttt{cosh}[ \; 4 \; \texttt{x} ] \; + \; \texttt{cosh}[ \; 4 \; \texttt{x} ] \; + \; \texttt{cosh}[ \; 4 \; \texttt{x} ] \; + \; \texttt{cosh}[ \; 4 \; \texttt{x} ] \; + \; \texttt{cosh}[ \; 4 \; \texttt{x} ] \; + \; \texttt{cosh}[ \; 4 \; \texttt{x} ] \; + \; \texttt{cosh}[ \; 4 \; \texttt{x} ] \; + \; \texttt{cosh}[ \; 4 \; \texttt{x} ] \; + \; \texttt{cosh}[ \; 4 \; \texttt{x} ] \; + \; \texttt{cosh}[ \; 4 \; \texttt{x} ] \; + \; \texttt{cosh}[ \; 4 \; \texttt{x} ] \; + \; \texttt{cosh}[ \; 4 \; \texttt{x} ] \; + \; \texttt{cosh}[ \; 4 \; \texttt{x} ] \; + \; \texttt{cosh}[
                                                             c(3a-b+3c+4aCosh[2x]-4cCosh[2x]+aCosh[4x]+bCosh[4x]+cCosh[4x])
                \sqrt{\left(\frac{1}{a+b+c}\left(-4 \text{ a} - 2 \text{ b} + \sqrt{2} \sqrt{(2 \text{ b}^2 - 8 \text{ a} \text{ c} + \text{ a} (3 \text{ a} - \text{b} + 3 \text{ c} + 4 \text{ a} \text{ Cosh}[2 \text{ x}] - 4 \text{ c} \text{ Cosh}[2 \text{ x}] + \text{a} \text{ Cosh}[4 \text{ x}] + \text{b} \text{ Cosh}[4 \text{ x}] + \text{b} \text{ Cosh}[4 \text{ x}] + \text{c} \text{cosh}[4 \text{ x}] + \text{c} 
                                                                                                                                                                                             \texttt{c} \; \texttt{Cosh} \; [\; 4 \; \mathbf{x} \; ] \; ) \; + \; \texttt{b} \; (\; 3 \; \mathbf{a} \; - \; \mathbf{b} \; + \; 3 \; \mathbf{c} \; + \; 4 \; \mathbf{a} \; \texttt{Cosh} \; [\; 2 \; \mathbf{x} \; ] \; - \; 4 \; \mathbf{c} \; \texttt{Cosh} \; [\; 2 \; \mathbf{x} \; ] \; + \; \mathbf{a} \; \texttt{Cosh} \; [\; 4 \; \mathbf{x} \; ] \; + \; \mathbf{b} \; \texttt{Cosh} \; [\; 4 \; \mathbf{x} \; ] \; + \; \mathbf{c} \; \texttt{Cosh} \; [\; 4 \; \mathbf{x} \; ] \; ) \; + \; \mathbf{c} \; \texttt{Cosh} \; [\; 4 \; \mathbf{x} \; ] \; + \; \mathbf{c} \; \texttt{Cosh} \; [\; 4 \; \mathbf{x} \; ] \; + \; \mathbf{c} \; \texttt{Cosh} \; [\; 4 \; \mathbf{x} \; ] \; + \; \mathbf{c} \; \texttt{Cosh} \; [\; 4 \; \mathbf{x} \; ] \; + \; \mathbf{c} \; \texttt{Cosh} \; [\; 4 \; \mathbf{x} \; ] \; + \; \mathbf{c} \; \texttt{Cosh} \; [\; 4 \; \mathbf{x} \; ] \; + \; \mathbf{c} \; \texttt{Cosh} \; [\; 4 \; \mathbf{x} \; ] \; + \; \mathbf{c} \; \texttt{Cosh} \; [\; 4 \; \mathbf{x} \; ] \; + \; \mathbf{c} \; \texttt{Cosh} \; [\; 4 \; \mathbf{x} \; ] \; + \; \mathbf{c} \; \texttt{Cosh} \; [\; 4 \; \mathbf{x} \; ] \; + \; \mathbf{c} \; \texttt{Cosh} \; [\; 4 \; \mathbf{x} \; ] \; + \; \mathbf{c} \; \texttt{Cosh} \; [\; 4 \; \mathbf{x} \; ] \; + \; \mathbf{c} \; \texttt{Cosh} \; [\; 4 \; \mathbf{x} \; ] \; + \; \mathbf{c} \; \texttt{Cosh} \; [\; 4 \; \mathbf{x} \; ] \; + \; \mathbf{c} \; \texttt{Cosh} \; [\; 4 \; \mathbf{x} \; ] \; + \; \mathbf{c} \; \texttt{Cosh} \; [\; 4 \; \mathbf{x} \; ] \; + \; \mathbf{c} \; \texttt{Cosh} \; [\; 4 \; \mathbf{x} \; ] \; + \; \mathbf{c} \; \texttt{Cosh} \; [\; 4 \; \mathbf{x} \; ] \; + \; \mathbf{c} \; \texttt{Cosh} \; [\; 4 \; \mathbf{x} \; ] \; + \; \mathbf{c} \; \texttt{Cosh} \; [\; 4 \; \mathbf{x} \; ] \; + \; \mathbf{c} \; \texttt{Cosh} \; [\; 4 \; \mathbf{x} \; ] \; + \; \mathbf{c} \; \texttt{Cosh} \; [\; 4 \; \mathbf{x} \; ] \; + \; \mathbf{c} \; \texttt{Cosh} \; [\; 4 \; \mathbf{x} \; ] \; + \; \mathbf{c} \; \texttt{Cosh} \; [\; 4 \; \mathbf{x} \; ] \; + \; \mathbf{c} \; \texttt{Cosh} \; [\; 4 \; \mathbf{x} \; ] \; + \; \mathbf{c} \; \texttt{Cosh} \; [\; 4 \; \mathbf{x} \; ] \; + \; \mathbf{c} \; \texttt{Cosh} \; [\; 4 \; \mathbf{x} \; ] \; + \; \mathbf{c} \; \texttt{Cosh} \; [\; 4 \; \mathbf{x} \; ] \; + \; \mathbf{c} \; \texttt{Cosh} \; [\; 4 \; \mathbf{x} \; ] \; + \; \mathbf{c} \; \texttt{Cosh} \; [\; 4 \; \mathbf{x} \; ] \; + \; \mathbf{c} \; \texttt{Cosh} \; [\; 4 \; \mathbf{x} \; ] \; + \; \mathbf{c} \; \texttt{Cosh} \; [\; 4 \; \mathbf{x} \; ] \; + \; \mathbf{c} \; \texttt{Cosh} \; [\; 4 \; \mathbf{x} \; ] \; + \; \mathbf{c} \; \texttt{Cosh} \; [\; 4 \; \mathbf{x} \; ] \; + \; \mathbf{c} \; \texttt{Cosh} \; [\; 4 \; \mathbf{x} \; ] \; + \; \mathbf{c} \; \texttt{Cosh} \; [\; 4 \; \mathbf{x} \; ] \; + \; \mathbf{c} \; \texttt{Cosh} \; [\; 4 \; \mathbf{x} \; ] \; + \; \mathbf{c} \; \texttt{Cosh} \; [\; 4 \; \mathbf{x} \; ] \; + \; \mathbf{c} \; \texttt{Cosh} \; [\; 4 \; \mathbf{x} \; ] \; + \; \mathbf{c} \; \texttt{Cosh} \; [\; 4 \; \mathbf{x} \; ] \; + \; \mathbf{c} \; \texttt{Cosh} \; [\; 4 \; \mathbf{x} \; ] \; + \; \mathbf{c} \; \texttt{Cosh} \; [\; 4 \; \mathbf{x} \; ] \; + \; \mathbf{c} \; \texttt{Cosh} \; [\; 4 \; \mathbf{x} \; ] \; + \; \mathbf{c} \; \texttt{Cosh} \; [\; 4 \; \mathbf{x} \; ] \; + \; \mathbf{c} \; \texttt{Cosh} \; [\; 4 \; \mathbf{x
                                                                                                                                                  c (3 a - b + 3 c + 4 a Cosh[2 x] - 4 c Cosh[2 x] + a Cosh[4 x] + b Cosh[4 x] + c Cosh[4 x]))
                      \left[-2\,a + 2\,c + \sqrt{2}\,\sqrt{\left(2\,b^2 - 8\,a\,c + a\,\left(3\,a - b + 3\,c + 4\,a\,Cosh[2\,x] - 4\,c\,Cosh[2\,x] + a\,Cosh[4\,x] + b\,Cosh[4\,x] + c\,Cosh[4\,x]\right) + a\,Cosh[4\,x]\right]} + \left[-2\,a + 2\,c + \sqrt{2}\,\sqrt{\left(2\,b^2 - 8\,a\,c + a\,\left(3\,a - b + 3\,c + 4\,a\,Cosh[2\,x] - 4\,c\,Cosh[2\,x]\right) + a\,Cosh[4\,x] + b\,Cosh[4\,x]\right]} + \left[-2\,a + 2\,c + \sqrt{2}\,\sqrt{\left(2\,b^2 - 8\,a\,c + a\,\left(3\,a - b + 3\,c + 4\,a\,Cosh[2\,x] - 4\,c\,Cosh[2\,x]\right) + a\,Cosh[4\,x]\right]} + \left[-2\,a + 2\,c + \sqrt{2}\,\sqrt{\left(2\,b^2 - 8\,a\,c + a\,\left(3\,a - b + 3\,c + 4\,a\,Cosh[2\,x] - 4\,c\,Cosh[2\,x]\right) + a\,Cosh[4\,x]\right]} + \left[-2\,a + 2\,c + \sqrt{2}\,\sqrt{\left(2\,b^2 - 8\,a\,c + a\,\left(3\,a - b + 3\,c + 4\,a\,Cosh[2\,x] - 4\,c\,Cosh[2\,x]\right) + a\,Cosh[4\,x]\right]} + \left[-2\,a + 2\,c + a\,Cosh[4\,x] - 4\,c\,Cosh[4\,x]\right] + \left[-2\,a + a\,Cosh[4\,x] - 4\,a\,Cosh[4\,x]\right] + \left[-2\,a + a\,Cosh[4\,x] - 4\,a\,Cosh[4\,x]\right]
                                                                                                     b \; (3 \; a \; -b \; + \; 3 \; c \; + \; 4 \; a \; Cosh[\; 2 \; x] \; - \; 4 \; c \; Cosh[\; 2 \; x] \; + \; a \; Cosh[\; 4 \; x] \; + \; b \; Cosh[\; 4 \; x] \; + \; c \; Cosh[\; 4 \; x] \; ) \; + \; c \; Cosh[\; 4 \; x] \; ) \; + \; c \; Cosh[\; 4 \; x] \; ) \; + \; c \; Cosh[\; 4 \; x] \; ) \; + \; c \; Cosh[\; 4 \; x] \; ) \; + \; c \; Cosh[\; 4 \; x] \; ) \; + \; c \; Cosh[\; 4 \; x] \; ) \; + \; c \; Cosh[\; 4 \; x] \; ) \; + \; c \; Cosh[\; 4 \; x] \; ) \; + \; c \; Cosh[\; 4 \; x] \; ) \; + \; c \; Cosh[\; 4 \; x] \; ) \; + \; c \; Cosh[\; 4 \; x] \; ) \; + \; c \; Cosh[\; 4 \; x] \; ) \; + \; c \; Cosh[\; 4 \; x] \; ) \; + \; c \; Cosh[\; 4 \; x] \; ) \; + \; c \; Cosh[\; 4 \; x] \; ) \; + \; c \; Cosh[\; 4 \; x] \; ) \; + \; c \; Cosh[\; 4 \; x] \; ) \; + \; c \; Cosh[\; 4 \; x] \; ) \; + \; c \; Cosh[\; 4 \; x] \; ) \; + \; c \; Cosh[\; 4 \; x] \; ) \; + \; c \; Cosh[\; 4 \; x] \; ) \; + \; c \; Cosh[\; 4 \; x] \; ) \; + \; c \; Cosh[\; 4 \; x] \; ) \; + \; c \; Cosh[\; 4 \; x] \; ) \; + \; c \; Cosh[\; 4 \; x] \; ) \; + \; c \; Cosh[\; 4 \; x] \; ) \; + \; c \; Cosh[\; 4 \; x] \; ) \; + \; c \; Cosh[\; 4 \; x] \; ) \; + \; c \; Cosh[\; 4 \; x] \; ) \; + \; c \; Cosh[\; 4 \; x] \; ) \; + \; c \; Cosh[\; 4 \; x] \; ) \; + \; c \; Cosh[\; 4 \; x] \; ) \; + \; c \; Cosh[\; 4 \; x] \; ) \; + \; c \; Cosh[\; 4 \; x] \; ) \; + \; c \; Cosh[\; 4 \; x] \; ) \; + \; c \; Cosh[\; 4 \; x] \; ) \; + \; c \; Cosh[\; 4 \; x] \; ) \; + \; c \; Cosh[\; 4 \; x] \; ) \; + \; c \; Cosh[\; 4 \; x] \; ) \; + \; c \; Cosh[\; 4 \; x] \; ) \; + \; c \; Cosh[\; 4 \; x] \; ) \; + \; c \; Cosh[\; 4 \; x] \; ) \; + \; c \; Cosh[\; 4 \; x] \; ) \; + \; c \; Cosh[\; 4 \; x] \; ) \; + \; c \; Cosh[\; 4 \; x] \; ) \; + \; c \; Cosh[\; 4 \; x] \; ) \; + \; c \; Cosh[\; 4 \; x] \; ) \; + \; c \; Cosh[\; 4 \; x] \; ) \; + \; c \; Cosh[\; 4 \; x] \; ) \; + \; c \; Cosh[\; 4 \; x] \; ) \; + \; c \; Cosh[\; 4 \; x] \; ) \; + \; c \; Cosh[\; 4 \; x] \; ) \; + \; c \; Cosh[\; 4 \; x] \; ) \; + \; c \; Cosh[\; 4 \; x] \; ) \; + \; c \; Cosh[\; 4 \; x] \; ) \; + \; c \; Cosh[\; 4 \; x] \; ) \; + \; c \; Cosh[\; 4 \; x] \; ) \; + \; c \; Cosh[\; 4 \; x] \; ) \; + \; c \; Cosh[\; 4 \; x] \; ) \; + \; c \; Cosh[\; 4 \; x] \; ) \; + \; c \; Cosh[\; 4 \; x] \; ) \; + \; c \; Cosh[\; 4 \; x] \; + \; c \; Cosh[\; 4 \; x] \; ) \; + \; c \; Cosh[\; 4 \; x] \; + \; c \; Cosh[\; 4 \; x] \; + \; c \; Cosh[\; 4 \; x] \; + \; c \; Cosh[\; 4 \; x] \; + \; c \; Cosh[\; 4 \; x] \; +
                                                                                                      c(3a-b+3c+4aCosh[2x]-4cCosh[2x]+aCosh[4x]+bCosh[4x]+cCosh[4x]))
                \sqrt{\left[-1 + \frac{1}{2(a+b+c)} \left(-2a+2c+\sqrt{2}\sqrt{2b^2-8ac+a(3a-b+3c+4aCosh[2x]-4cCosh[2x]+aCosh[4x]+\frac{1}{2(a+b+c)}\right]}\right]}
                                                                                                                                                                                                             b\, Cosh[\, 4\, x]\, + c\, Cosh[\, 4\, x]\, )\, + b\, (\, 3\, a\, -\, b\, +\, 3\, c\, +\, 4\, a\, Cosh[\, 2\, x]\, -\, 4\, c\, Cosh[\, 2\, x]\, +\, a\, Cosh[\, 4\, x]\, +\, b\, Cosh
                                                                                                                                                                                                           c \cosh[4x] + c (3a - b + 3c + 4a \cosh[2x] - 4c \cosh[2x] + a \cosh[4x] + b \cosh[4x] + c \cosh[4x])
              \sqrt{\left[1 + \frac{1}{2(a+b+c)} \left(-2a+2c+\sqrt{2}\sqrt{(2b^2-8ac+a(3a-b+3c+4aCosh[2x]-4cCosh[2x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[2x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCos
                                                                                                                                                                                                             b Cosh[4x] + c Cosh[4x]) + b (3a - b + 3c + 4a Cosh[2x] - 4c Cosh[2x] + a Cosh[4x] + b Cosh[4x] +
                                                                                                                                                                                                             c \, Cosh[4 \, x]) + c \, (3 \, a - b + 3 \, c + 4 \, a \, Cosh[2 \, x] - 4 \, c \, Cosh[2 \, x] + a \, Cosh[4 \, x] + b \, Cosh[4 \, x] + c \, Cosh[4 \, x]))
                \sqrt{ (3 \, a - b + 3 \, c + 4 \, (a - c) \, Cosh[2 \, x] \, + \, (a + b + c) \, Cosh[4 \, x] ) \, Sech[x]^{\, 4} } \, + \, \left| \, (b - c) \, (1 + Cosh[2 \, x]) \, (a + b + c) \, Cosh[4 \, x] \, (a + b + c) \, Cosh[4 \, x] \, (a + b + c) \, Cosh[4 \, x] \, (a + b + c) \, Cosh[4 \, x] \, (a + b + c) \, Cosh[4 \, x] \, (a + b + c) \, Cosh[4 \, x] \, (a + b + c) \, Cosh[4 \, x] \, (a + b + c) \, Cosh[4 \, x] \, (a + b + c) \, Cosh[4 \, x] \, (a + b + c) \, Cosh[4 \, x] \, (a + b + c) \, Cosh[4 \, x] \, (a + b + c) \, Cosh[4 \, x] \, (a + b + c) \, Cosh[4 \, x] \, (a + b + c) \, Cosh[4 \, x] \, (a + b + c) \, Cosh[4 \, x] \, (a + b + c) \, Cosh[4 \, x] \, (a + b + c) \, Cosh[4 \, x] \, (a + b + c) \, Cosh[4 \, x] \, (a + b + c) \, Cosh[4 \, x] \, (a + b + c) \, Cosh[4 \, x] \, (a + b + c) \, Cosh[4 \, x] \, (a + b + c) \, Cosh[4 \, x] \, (a + b + c) \, Cosh[4 \, x] \, (a + b + c) \, Cosh[4 \, x] \, (a + b + c) \, Cosh[4 \, x] \, (a + b + c) \, Cosh[4 \, x] \, (a + b + c) \, Cosh[4 \, x] \, (a + b + c) \, Cosh[4 \, x] \, (a + b + c) \, Cosh[4 \, x] \, (a + b + c) \, Cosh[4 \, x] \, (a + b + c) \, Cosh[4 \, x] \, (a + b + c) \, Cosh[4 \, x] \, (a + b + c) \, Cosh[4 \, x] \, (a + b + c) \, Cosh[4 \, x] \, (a + b + c) \, Cosh[4 \, x] \, (a + b + c) \, Cosh[4 \, x] \, (a + b + c) \, Cosh[4 \, x] \, (a + b + c) \, Cosh[4 \, x] \, (a + b + c) \, Cosh[4 \, x] \, (a + b + c) \, Cosh[4 \, x] \, (a + b + c) \, Cosh[4 \, x] \, (a + b + c) \, Cosh[4 \, x] \, (a + b + c) \, Cosh[4 \, x] \, (a + b + c) \, Cosh[4 \, x] \, (a + b + c) \, Cosh[4 \, x] \, (a + b + c) \, Cosh[4 \, x] \, (a + b + c) \, Cosh[4 \, x] \, (a + b + c) \, Cosh[4 \, x] \, (a + b + c) \, Cosh[4 \, x] \, (a + b + c) \, Cosh[4 \, x] \, (a + b + c) \, Cosh[4 \, x] \, (a + b + c) \, Cosh[4 \, x] \, (a + b + c) \, Cosh[4 \, x] \, (a + b + c) \, Cosh[4 \, x] \, (a + b + c) \, Cosh[4 \, x] \, (a + b + c) \, Cosh[4 \, x] \, (a + b + c) \, Cosh[4 \, x] \, (a + b + c) \, Cosh[4 \, x] \, (a + b + c) \, Cosh[4 \, x] \, (a + b + c) \, Cosh[4 \, x] \, (a + b + c) \, Cosh[4 \, x] \, (a + b + c) \, Cosh[4 \, x] \, (a + b + c) \, Cosh[4 \, x] \, (a + b + c) \, Cosh[4 \, x] \, (a + b + c) \, Cosh[4 \, x] \, (a + b + c) \, Cosh[4 \, x] \, (a + b + c) \, Cosh[4 \, x] \, (a + b + c) \, Cosh[4 \, x]
                  (3 a - b + 3 c + 4 (a - c) Cosh[2x] + (a + b + c) Cosh[4x])
                  Csch[x]
                  Log[b+2cTanh[x]^2+2\sqrt{c}\sqrt{a+bTanh[x]^2+cTanh[x]^4}]
                  Sech[x]
                                                                                                                                                                                                                                            b \operatorname{Sech}[x]^2 \operatorname{Sinh}[2x]
                                  \sqrt{3 a - b + 3 c + 4 (a - c) \cosh[2 x] + (a + b + c) \cosh[4 x]}
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c Sech[x]^2 Sinh[2x]
                       \sqrt{3 a - b + 3 c + 4 (a - c) Cosh[2x] + (a + b + c) Cosh[4x]}
                                                                            c Cosh[2x] Sech[x]^2 Sinh[2x]
                       \sqrt{3 a - b + 3 c + 4 (a - c) \cosh[2 x] + (a + b + c) \cosh[4 x]}
                      4 (3 a - b + 3 c + (4 a - 4 c) Cosh[2 x] + (a + b + c) Cosh[4 x]) Sinh[2 x]
                                                                                                                                         (1 + Cosh[2x])^3
                      2 (4 a - 4 c) Sinh[2x] + 4 (a + b + c) Sinh[4x]
                                                                                       (1 + Cosh[2x])^2
   3a - b + 3c + (4a - 4c) Cosh[2x] + (a + b + c) Cosh[4x]
                                                                                                         (1 + Cosh[2x])^2
          \sqrt{\;(\,3\;a\,-\,b\,+\,3\;c\,+\,4\;\;(a\,-\,c\,)\;\;Cosh\,[\,2\;x\,]\;+\;(a\,+\,b\,+\,c\,)\;\;Cosh\,[\,4\;x\,]\,\,)\;\;Sech\,[\,x\,]^{\;4}}
c \, Cosh[2 \, x] \, (3 \, a - b + 3 \, c + 4 \, (a - c) \, Cosh[2 \, x] + (a + b + c) \, Cosh[4 \, x])
             \boxed{ 2 \text{ a} \sqrt{3 \text{ a} - \text{b} + 3 \text{ c} + 4 \text{ a} \, \text{Cosh}[2 \, \text{x}] - 4 \text{ c} \, \text{Cosh}[2 \, \text{x}] + \text{a} \, \text{Cosh}[4 \, \text{x}] + \text{b} \, \text{Cosh}[4 \, \text{x}] + \text{c} \, \text{c} \, \text{Cosh}[4 \, \text{x}] + \text{c} \, \text{c} \, \text{c} \, \text{c} \, \text{c} \, \text{c} + \text{c} \, \text{c}
                     2 b \sqrt{3} a - b + 3 c + 4 a Cosh[2 x] - 4 c Cosh[2 x] + a Cosh[4 x] + b Cosh[4 x] + c Cosh[4 x] + c Cosh[4 x]
                     2 c \sqrt{3 a - b + 3 c + 4 a \cosh[2 x] - 4 c \cosh[2 x] + a \cosh[4 x] + b \cosh[4 x] + c \cosh[4 x]}
          \sqrt{\frac{1}{a+b+c}} \left( 2b+4c+\sqrt{2} \sqrt{(2b^2-8ac+a(3a-b+3c+4aCosh[2x]-4cCosh[2x]+aCosh[4x]+bCosh[4x]+bCosh[4x]+bCosh[4x]+bCosh[4x]+bCosh[4x]+bCosh[4x]+bCosh[4x]+bCosh[4x]+bCosh[4x]+bCosh[4x]+bCosh[4x]+bCosh[4x]+bCosh[4x]+bCosh[4x]+bCosh[4x]+bCosh[4x]+bCosh[4x]+bCosh[4x]+bCosh[4x]+bCosh[4x]+bCosh[4x]+bCosh[4x]+bCosh[4x]+bCosh[4x]+bCosh[4x]+bCosh[4x]+bCosh[4x]+bCosh[4x]+bCosh[4x]+bCosh[4x]+bCosh[4x]+bCosh[4x]+bCosh[4x]+bCosh[4x]+bCosh[4x]+bCosh[4x]+bCosh[4x]+bCosh[4x]+bCosh[4x]+bCosh[4x]+bCosh[4x]+bCosh[4x]+bCosh[4x]+bCosh[4x]+bCosh[4x]+bCosh[4x]+bCosh[4x]+bCosh[4x]+bCosh[4x]+bCosh[4x]+bCosh[4x]+bCosh[4x]+bCosh[4x]+bCosh[4x]+bCosh[4x]+bCosh[4x]+bCosh[4x]+bCosh[4x]+bCosh[4x]+bCosh[4x]+bCosh[4x]+bCosh[4x]+bCosh[4x]+bCosh[4x]+bCosh[4x]+bCosh[4x]+bCosh[4x]+bCosh[4x]+bCosh[4x]+bCosh[4x]+bCosh[4x]+bCosh[4x]+bCosh[4x]+bCosh[4x]+bCosh[4x]+bCosh[4x]+bCosh[4x]+bCosh[4x]+bCosh[4x]+bCosh[4x]+bCosh[4x]+bCosh[4x]+bCosh[4x]+bCosh[4x]+bCosh[4x]+bCosh[4x]+bCosh[4x]+bCosh[4x]+bCosh[4x]+bCosh[4x]+bCosh[4x]+bCosh[4x]+bCosh[4x]+bCosh[4x]+bCosh[4x]+bCosh[4x]+bCosh[4x]+bCosh[4x]+bCosh[4x]+bCosh[4x]+bCosh[4x]+bCosh[4x]+bCosh[4x]+bCosh[4x]+bCosh[4x]+bCosh[4x]+bCosh[4x]+bCosh[4x]+bCosh[4x]+bCosh[4x]+bCosh[4x]+bCosh[4x]+bCosh[4x]+bCosh[4x]+bCosh[4x]+bCosh[4x]+bCosh[4x]+bCosh[4x]+bCosh[4x]+bCosh[4x]+bCosh[4x]+bCosh[4x]+bCosh[4x]+bCosh[4x]+bCosh[4x]+bCosh[4x]+bCosh[4x]+bCosh[4x]+bCosh[4x]+bCosh[4x]+bCosh[4x]+bCosh[4x]+bCosh[4x]+bCosh[4x]+bCosh[4x]+bCosh[4x]+bCosh[4x]+bCosh[4x]+bCosh[4x]+bCosh[4x]+bCosh[4x]+bCosh[4x]+bCosh[4x]+bCosh[4x]+bCosh[4x]+bCosh[4x]+bCosh[4x]+bCosh[4x]+bCosh[4x]+bCosh[4x]+bCosh[4x]+bCosh[4x]+bCosh[4x]+bCosh[4x]+bCosh[4x]+bCosh[4x]+bCosh[4x]+bCosh[4x]+bCosh[4x]+bCosh[4x]+bCosh[4x]+bCosh[4x]+bCosh[4x]+bCosh[4x]+bCosh[4x]+bCosh[4x]+bCosh[4x]+bCosh[4x]+bCosh[4x]+bCosh[4x]+bCosh[4x]+bCosh[4x]+bCosh[4x]+bCosh[4x]+bCosh[4x]+bCosh[4x]+bCosh[4x]+bCosh[4x]+bCosh[4x]+bCosh[4x]+bCosh[4x]+bCosh[4x]+bCosh[4x]+bCosh[4x]+bCosh[4x]+bCosh[4x]+bCosh[4x]+bCosh[4x]+bCosh[4x]+bCosh[4x]+bCosh[4x]+bCosh[4x]+bCosh[4x]+bCosh[4x]+bCosh[4x]+bCosh[4x]+b
                                                                           c (3 a - b + 3 c + 4 a Cosh[2 x] - 4 c Cosh[2 x] + a Cosh[4 x] + b Cosh[4 x] + c Cosh[4 x])) Sech[x]<sup>2</sup>
                                                                                            b \operatorname{Sech}[x]^2 \operatorname{Sinh}[2x]
                                                                                                                                                                                                                                                                                                                                                        c Sech[x]^2 Sinh[2x]
                 \sqrt{3}\,a-b+3\,c+4\,(a-c)\,\cosh[2\,x]+(a+b+c)\,\cosh[4\,x]
                                                                             c Cosh[2x] Sech[x]^2 Sinh[2x]
                       \sqrt{3 a - b + 3 c + 4 (a - c) Cosh[2x] + (a + b + c) Cosh[4x]}
             (4 \text{ a Sinh}[2 \text{ x}] - 4 \text{ c Sinh}[2 \text{ x}] + 2 \text{ a Sinh}[4 \text{ x}] + 2 \text{ b Sinh}[4 \text{ x}] + 2 \text{ c Sinh}[4 \text{ x}])
                 (8 \text{ a Sinh}[2 \text{ x}] - 8 \text{ c Sinh}[2 \text{ x}] + 4 \text{ a Sinh}[4 \text{ x}] + 4 \text{ b Sinh}[4 \text{ x}] + 4 \text{ c Sinh}[4 \text{ x}])
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\left(1 - \frac{3 \text{ a - b + 3 c + 4 a } \text{Cosh}[2 \text{ x}] - 4 \text{ c } \text{Cosh}[2 \text{ x}] + \text{a } \text{Cosh}[4 \text{ x}] + \text{b } \text{Cosh}[4 \text{ x}] + \text{c } \text{Cosh}[4 \text{ x}]}{2 - \frac{1}{2}}\right)
\left( (b+2c) (8 a Sinh[2x] - 8c Sinh[2x] + 4a Sinh[4x] + 4b Sinh[4x] + 4c Sinh[4x] \right)
                                                            \left(4\,\sqrt{\text{c}}\,\,\sqrt{3\,\,\text{a}\,-\,\text{b}\,+\,3\,\,\text{c}\,+\,4\,\,\text{a}\,\,\text{Cosh}\,[\,2\,\,\text{x}\,]\,\,-\,4\,\,\text{c}\,\,\text{Cosh}\,[\,2\,\,\text{x}\,]\,\,+\,\text{a}\,\,\text{Cosh}\,[\,4\,\,\text{x}\,]\,\,+\,\text{b}\,\,\text{Cosh}\,[\,4\,\,\text{x}\,]\,\,+\,\text{c}\,\,\text{Cosh}\,[\,4\,\,\text{x}\,]\,\,+\,\text{c}\,\,\text{Cosh}\,[\,4\,\,\text{x}\,]\,\,+\,\text{c}\,\,\text{Cosh}\,[\,4\,\,\text{x}\,]\,\,+\,\text{c}\,\,\text{Cosh}\,[\,4\,\,\text{x}\,]\,\,+\,\text{c}\,\,\text{Cosh}\,[\,4\,\,\text{x}\,]\,\,+\,\text{c}\,\,\text{Cosh}\,[\,4\,\,\text{x}\,]\,\,+\,\text{c}\,\,\text{Cosh}\,[\,4\,\,\text{x}\,]\,\,+\,\text{c}\,\,\text{Cosh}\,[\,4\,\,\text{x}\,]\,\,+\,\text{c}\,\,\text{Cosh}\,[\,4\,\,\text{x}\,]\,\,+\,\text{c}\,\,\text{Cosh}\,[\,4\,\,\text{x}\,]\,\,+\,\text{c}\,\,\text{Cosh}\,[\,4\,\,\text{x}\,]\,\,+\,\text{c}\,\,\text{Cosh}\,[\,4\,\,\text{x}\,]\,\,+\,\text{c}\,\,\text{Cosh}\,[\,4\,\,\text{x}\,]\,\,+\,\text{c}\,\,\text{Cosh}\,[\,4\,\,\text{x}\,]\,\,+\,\text{c}\,\,\text{Cosh}\,[\,4\,\,\text{x}\,]\,\,+\,\text{c}\,\,\text{Cosh}\,[\,4\,\,\text{x}\,]\,\,+\,\text{c}\,\,\text{Cosh}\,[\,4\,\,\text{x}\,]\,\,+\,\text{c}\,\,\text{Cosh}\,[\,4\,\,\text{x}\,]\,\,+\,\text{c}\,\,\text{Cosh}\,[\,4\,\,\text{x}\,]\,\,+\,\text{c}\,\,\text{Cosh}\,[\,4\,\,\text{x}\,]\,\,+\,\text{c}\,\,\text{Cosh}\,[\,4\,\,\text{x}\,]\,\,+\,\text{c}\,\,\text{Cosh}\,[\,4\,\,\text{x}\,]\,\,+\,\text{c}\,\,\text{Cosh}\,[\,4\,\,\text{x}\,]\,\,+\,\text{c}\,\,\text{Cosh}\,[\,4\,\,\text{x}\,]\,\,+\,\text{c}\,\,\text{Cosh}\,[\,4\,\,\text{x}\,]\,\,+\,\text{c}\,\,\text{Cosh}\,[\,4\,\,\text{x}\,]\,\,+\,\text{c}\,\,\text{Cosh}\,[\,4\,\,\text{x}\,]\,\,+\,\text{c}\,\,\text{Cosh}\,[\,4\,\,\text{x}\,]\,\,+\,\text{c}\,\,\text{Cosh}\,[\,4\,\,\text{x}\,]\,\,+\,\text{c}\,\,\text{Cosh}\,[\,4\,\,\text{x}\,]\,\,+\,\text{c}\,\,\text{Cosh}\,[\,4\,\,\text{x}\,]\,\,+\,\text{c}\,\,\text{Cosh}\,[\,4\,\,\text{x}\,]\,\,+\,\text{c}\,\,\text{Cosh}\,[\,4\,\,\text{x}\,]\,\,+\,\text{c}\,\,\text{Cosh}\,[\,4\,\,\text{x}\,]\,\,+\,\text{c}\,\,\text{Cosh}\,[\,4\,\,\text{x}\,]\,\,+\,\text{c}\,\,\text{c}\,\,\text{cosh}\,[\,4\,\,\text{x}\,]\,\,+\,\text{c}\,\,\text{c}\,\,\text{cosh}\,[\,4\,\,\text{x}\,]\,\,+\,\text{c}\,\,\text{cosh}\,[\,4\,\,\text{x}\,]\,\,+\,\text{c}\,\,\text{cosh}\,[\,4\,\,\text{x}\,]\,\,+\,\text{c}\,\,\text{cosh}\,[\,4\,\,\text{x}\,]\,\,+\,\text{c}\,\,\text{cosh}\,[\,4\,\,\text{x}\,]\,\,+\,\text{c}\,\,\text{cosh}\,[\,4\,\,\text{x}\,]\,\,+\,\text{c}\,\,\text{cosh}\,[\,4\,\,\text{x}\,]\,\,+\,\text{c}\,\,\text{cosh}\,[\,4\,\,\text{x}\,]\,\,+\,\text{c}\,\,\text{cosh}\,[\,4\,\,\text{x}\,]\,\,+\,\text{c}\,\,\text{cosh}\,[\,4\,\,\text{x}\,]\,\,+\,\text{c}\,\,\text{cosh}\,[\,4\,\,\text{x}\,]\,\,+\,\text{c}\,\,\text{cosh}\,[\,4\,\,\text{x}\,]\,\,+\,\text{c}\,\,\text{cosh}\,[\,4\,\,\text{x}\,]\,\,+\,\text{c}\,\,\text{cosh}\,[\,4\,\,\text{x}\,]\,\,+\,\text{c}\,\,\text{cosh}\,[\,4\,\,\text{x}\,]\,\,+\,\text{c}\,\,\text{cosh}\,[\,4\,\,\text{x}\,]\,\,+\,\text{c}\,\,\text{cosh}\,[\,4\,\,\text{x}\,]\,\,+\,\text{c}\,\,\text{cosh}\,[\,4\,\,\text{x}\,]\,\,+\,\text{c}\,\,\text{cosh}\,[\,4\,\,\text{x}\,]\,\,+\,\text{c}\,\,\text{cosh}\,[\,4\,\,\text{cosh}\,[\,4\,\,\text{x}\,]\,\,+\,\text{c}\,\,\text{cosh}\,[\,4\,\,\text{cosh}\,[\,4\,\,\text{cosh}\,[\,4\,\,\text{cosh}\,[\,4\,\,\text{cosh}\,[\,4\,\,\text{cosh}\,[\,4\,\,\text{cosh}\,[\,4\,\,\text{cosh}\,[\,4\,\,\text{cosh}\,[\,4\,\,\text{cosh}\,[\,4\,\,\text{cosh}\,[\,4\,\,\text{cosh}\,[\,4\,\,\text{cosh}\,[\,4\,\,\text{cosh}\,[\,4\,\,\text{cosh}\,[\,4\,\,\text{cosh}\,[\,4\,\,\text{cosh}\,[\,4\,\,\text{co
                                                                                              \sqrt{(2 b^2 - 8 a c + a (3 a - b + 3 c + 4 a Cosh[2 x] - 4 c Cosh[2 x] + a Cosh[4 x] + b Cosh[4 x] + c Cosh[4 x])}
                                                                                                                                           \texttt{b} \; (3 \; \texttt{a} \; - \; \texttt{b} \; + \; \texttt{3} \; \texttt{c} \; + \; \texttt{4} \; \texttt{a} \; \texttt{Cosh} [\; 2 \; \texttt{x}\; ] \; - \; \texttt{4} \; \texttt{c} \; \texttt{Cosh} [\; 2 \; \texttt{x}\; ] \; + \; \texttt{a} \; \texttt{Cosh} [\; 4 \; \texttt{x}\; ] \; + \; \texttt{b} \; \texttt{Cosh} [\; 4 \; \texttt{x}\; ] \; + \; \texttt{c} \; \texttt{Cosh} [\; 4 \; \texttt{x}\; ] \; ) \; + \; \texttt{c} \; \texttt{cosh} [\; 4 \; \texttt{x}\; ] \; + \; \texttt{c} \; \texttt{cosh} [\; 4 \; \texttt{x}\; ] \; ) \; + \; \texttt{c} \; \texttt{cosh} [\; 4 \; \texttt{x}\; ] \; ) \; + \; \texttt{c} \; \texttt{cosh} [\; 4 \; \texttt{x}\; ] \; ) \; + \; \texttt{c} \; \texttt{cosh} [\; 4 \; \texttt{x}\; ] \; ) \; + \; \texttt{c} \; \texttt{cosh} [\; 4 \; \texttt{x}\; ] \; ) \; + \; \texttt{c} \; \texttt{cosh} [\; 4 \; \texttt{x}\; ] \; ) \; + \; \texttt{c} \; \texttt{cosh} [\; 4 \; \texttt{x}\; ] \; ) \; + \; \texttt{c} \; \texttt{cosh} [\; 4 \; \texttt{x}\; ] \; ) \; + \; \texttt{c} \; \texttt{cosh} [\; 4 \; \texttt{x}\; ] \; ) \; + \; \texttt{c} \; \texttt{cosh} [\; 4 \; \texttt{x}\; ] \; ) \; + \; \texttt{c} \; \texttt{cosh} [\; 4 \; \texttt{x}\; ] \; ) \; + \; \texttt{c} \; \texttt{cosh} [\; 4 \; \texttt{x}\; ] \; ) \; + \; \texttt{c} \; \texttt{cosh} [\; 4 \; \texttt{x}\; ] \; ) \; + \; \texttt{c} \; \texttt{cosh} [\; 4 \; \texttt{x}\; ] \; ) \; + \; \texttt{c} \; \texttt{cosh} [\; 4 \; \texttt{x}\; ] \; ) \; + \; \texttt{c} \; \texttt{cosh} [\; 4 \; \texttt{x}\; ] \; ) \; + \; \texttt{c} \; \texttt{cosh} [\; 4 \; \texttt{x}\; ] \; ) \; + \; \texttt{c} \; \texttt{cosh} [\; 4 \; \texttt{x}\; ] \; ) \; + \; \texttt{c} \; \texttt{cosh} [\; 4 \; \texttt{x}\; ] \; ) \; + \; \texttt{c} \; \texttt{cosh} [\; 4 \; \texttt{x}\; ] \; ) \; + \; \texttt{c} \; \texttt{cosh} [\; 4 \; \texttt{x}\; ] \; ) \; + \; \texttt{c} \; \texttt{cosh} [\; 4 \; \texttt{x}\; ] \; ) \; + \; \texttt{c} \; \texttt{cosh} [\; 4 \; \texttt{x}\; ] \; ) \; + \; \texttt{c} \; \texttt{cosh} [\; 4 \; \texttt{x}\; ] \; ) \; + \; \texttt{c} \; \texttt{cosh} [\; 4 \; \texttt{x}\; ] \; ) \; + \; \texttt{c} \; \texttt{cosh} [\; 4 \; \texttt{x}\; ] \; ) \; + \; \texttt{c} \; \texttt{cosh} [\; 4 \; \texttt{x}\; ] \; ) \; + \; \texttt{c} \; \texttt{cosh} [\; 4 \; \texttt{x}\; ] \; ) \; + \; \texttt{c} \; \texttt{cosh} [\; 4 \; \texttt{x}\; ] \; ) \; + \; \texttt{c} \; \texttt{cosh} [\; 4 \; \texttt{x}\; ] \; ) \; + \; \texttt{c} \; \texttt{cosh} [\; 4 \; \texttt{x}\; ] \; ) \; + \; \texttt{c} \; \texttt{cosh} [\; 4 \; \texttt{x}\; ] \; ) \; + \; \texttt{c} \; \texttt{cosh} [\; 4 \; \texttt{x}\; ] \; ) \; + \; \texttt{c} \; \texttt{cosh} [\; 4 \; \texttt{x}\; ] \; ) \; + \; \texttt{c} \; \texttt{cosh} [\; 4 \; \texttt{x}\; ] \; ) \; + \; \texttt{c} \; \texttt{cosh} [\; 4 \; \texttt{x}\; ] \; ) \; + \; \texttt{c} \; \texttt{cosh} [\; 4 \; \texttt{x}\; ] \; ) \; + \; \texttt{c} \; \texttt{cosh} [\; 4 \; \texttt{x}\; ] \; ) \; + \; \texttt{c} \; \texttt{cosh} [\; 4 \; \texttt{x}\; ] \; ) \; + \; \texttt{c} \; \texttt{cosh} [\; 4 \; \texttt{x}\; ] \; ) \; + \; \texttt{c} \; \texttt{cosh} [\; 4 \; \texttt{x}\; ] \; ) \; + \; \texttt{c} \; \texttt{cosh} [\; 4 \; \texttt{x}\; ] \; ) \; + \; \texttt{c} \; \texttt{cosh} [\; 4 \; \texttt{x}\; ] \; ) \; + \; \texttt{c} \; \texttt{cosh} [\; 4 \; \texttt{x}\; ] \; ) \; +
                                                                                                                                          c (3 a - b + 3 c + 4 a Cosh[2 x] - 4 c Cosh[2 x] + a Cosh[4 x] + b Cosh[4 x] + c Cosh[4 x]))
                                                 \left( \text{(b+2c)} \ \sqrt{3\,\text{a-b+3c+4\,a\,Cosh[2\,x]} - 4\,\text{c\,Cosh[2\,x]} + \text{a\,Cosh[4\,x]} + \text{b\,Cosh[4\,x]} + \text{c\,Cosh[4\,x]} + \text{c\,Cosh[4\,x]} \right) + \text{c\,Cosh[4\,x]} + \text{c\,
                                                                                              (a (8 a Sinh[2 x] - 8 c Sinh[2 x] + 4 a Sinh[4 x] + 4 b Sinh[4 x] + 4 c Sinh[4 x]) + 4 c 
                                                                                                                        b (8 a Sinh[2 x] - 8 c Sinh[2 x] + 4 a Sinh[4 x] + 4 b Sinh[4 x] + 4 c Sinh[4 x]) +
                                                                                                                            c (8 a Sinh[2x] - 8 c Sinh[2x] + 4 a Sinh[4x] + 4 b Sinh[4x] + 4 c Sinh[4x]))
                                                              \left(4\,\sqrt{\text{c}}\,\left(2\,\text{b}^2-8\,\text{a}\,\text{c}+\text{a}\,\left(3\,\text{a}-\text{b}+3\,\text{c}+4\,\text{a}\,\text{Cosh}[2\,\text{x}]-4\,\text{c}\,\text{Cosh}[2\,\text{x}]+\text{a}\,\text{Cosh}[4\,\text{x}]+\text{b}\,\text{Cosh}[4\,\text{x}]+\text{c}\,\text{Cosh}[4\,\text{x}]\right)\right)
                                                                                                                                          c (3 a - b + 3 c + 4 a Cosh[2 x] - 4 c Cosh[2 x] + a Cosh[4 x] + b Cosh[4 x] + c Cosh[4 x])
           \left( \sqrt{c} \left( 1 - \left( \left( b + 2 \, c \right)^2 \, \left( 3 \, a - b + 3 \, c + 4 \, a \, \text{Cosh} \left[ 2 \, x \right] - 4 \, c \, \text{Cosh} \left[ 2 \, x \right] + a \, \text{Cosh} \left[ 4 \, x \right] + b \, \text{Cosh} \left[ 4 \, x \right] + c \, \text{Cosh} \left[ 4 \, x \right] \right) \right) / \left( \left( b + 2 \, c \right)^2 \, \left( 3 \, a - b + 3 \, c + 4 \, a \, \text{Cosh} \left[ 2 \, x \right] - 4 \, c \, \text{Cosh} \left[ 2 \, x \right] + a \, \text{Cosh} \left[ 4 \, x \right] + b \, \text{Cosh} \left[ 4 \, x \right] \right) \right) / \left( \left( b + 2 \, c \right)^2 \, \left( 3 \, a - b + 3 \, c + 4 \, a \, \text{Cosh} \left[ 2 \, x \right] - 4 \, c \, \text{Cosh} \left[ 2 \, x \right] \right) \right) / \left( \left( b + 2 \, c \right)^2 \, \left( 3 \, a - b + 3 \, c + 4 \, a \, \text{Cosh} \left[ 2 \, x \right] \right) \right) / \left( \left( b + 2 \, c \right)^2 \, \left( 3 \, a - b + 3 \, c + 4 \, a \, \text{Cosh} \left[ 2 \, x \right] \right) \right) / \left( \left( b + 2 \, c \right)^2 \, \left( 3 \, a - b + 3 \, c + 4 \, a \, \text{Cosh} \left[ 2 \, x \right] \right) \right) / \left( \left( b + 2 \, c \right)^2 \, \left( 3 \, a - b + 3 \, c + 4 \, a \, \text{Cosh} \left[ 2 \, x \right] \right) \right) / \left( \left( b + 2 \, c \right)^2 \, \left( 3 \, a - b + 3 \, c + 4 \, a \, \text{Cosh} \left[ 2 \, x \right] \right) \right) / \left( \left( b + 2 \, c \right)^2 \, \left( 3 \, a - b + 3 \, c + 4 \, a \, \text{Cosh} \left[ 2 \, x \right] \right) \right) / \left( \left( b + 2 \, c \right)^2 \, \left( 3 \, a - b + 3 \, c + 4 \, a \, \text{Cosh} \left[ 2 \, x \right] \right) \right) / \left( \left( b + 2 \, c \right)^2 \, \left( 3 \, a - b + 3 \, c + 4 \, a \, \text{Cosh} \left[ 2 \, x \right] \right) \right) / \left( \left( b + 2 \, c \right)^2 \, \left( 3 \, a - b + 3 \, c + 4 \, a \, \text{Cosh} \left[ 2 \, x \right] \right) \right) / \left( \left( b + 2 \, c \right)^2 \, \left( 3 \, a - b + 3 \, c + 4 \, a \, \text{Cosh} \left[ 2 \, x \right] \right) \right) / \left( \left( b + 2 \, c \right)^2 \, \left( 3 \, a - b + 3 \, c + 4 \, a \, \text{Cosh} \left[ 2 \, x \right] \right) \right) / \left( \left( b + 2 \, c \right)^2 \, \left( 3 \, a - b + 3 \, c + 4 \, a \, \text{Cosh} \left[ 2 \, x \right] \right) \right) / \left( \left( b + 2 \, c \right)^2 \, \left( 3 \, a - b + 3 \, c + 4 \, a \, \text{Cosh} \left[ 2 \, x \right] \right) \right) / \left( \left( b + 2 \, c \right)^2 \, \left( 3 \, a - b + 3 \, c + 4 \, a \, \text{Cosh} \left[ 2 \, x \right] \right) \right) / \left( \left( b + 2 \, c \right)^2 \, \left( 3 \, a - b + 3 \, c + 4 \, a \, \text{Cosh} \left[ 2 \, x \right] \right) \right) / \left( \left( b + 2 \, c \right)^2 \, \left( 3 \, a - b + 3 \, c + 4 \, a \, \text{Cosh} \left[ 2 \, x \right] \right) \right) 
                                                                                              (4 c (2 b^2 - 8 a c + a (3 a - b + 3 c + 4 a Cosh[2 x] - 4 c Cosh[2 x] + a Cosh[4 x] + b Cosh[4 x] + c Cosh[4 x]) + c Cosh[4 x]) + c Cosh[4 x] + c Cosh[4 
                                                                                                                                                           \texttt{b} \; (3 \; \texttt{a} \; - \; \texttt{b} \; + \; \texttt{3} \; \texttt{c} \; + \; \texttt{4} \; \texttt{a} \; \texttt{Cosh} [\; 2 \; \texttt{x}\;] \; - \; \texttt{4} \; \texttt{c} \; \texttt{Cosh} [\; 2 \; \texttt{x}\;] \; + \; \texttt{a} \; \texttt{Cosh} [\; 4 \; \texttt{x}\;] \; + \; \texttt{b} \; \texttt{Cosh} [\; 4 \; \texttt{x}\;] \; + \; \texttt{c} \; \texttt{Cosh} [\; 4 \; \texttt{x}\;] \; ) \; + \; \texttt{c} \; \texttt{cosh} [\; 4 \; \texttt{x}\;] \; + \; \texttt{c} \; \texttt{cosh} [\; 4 \; \texttt{x}\;] \; ) \; + \; \texttt{c} \; \texttt{cosh} [\; 4 \; \texttt{x}\;] \; + \; \texttt{c} \; \texttt{cosh} [\; 4 \; \texttt{x}\;] \; + \; \texttt{c} \; \texttt{cosh} [\; 4 \; \texttt{x}\;] \; ) \; + \; \texttt{c} \; \texttt{cosh} [\; 4 \; \texttt{x}\;] \; + \; \texttt{c} \; \texttt{cosh} [\; 4 \; \texttt{x}\;] \; ) \; + \; \texttt{c} \; \texttt{cosh} [\; 4 \; \texttt{x}\;] \; + \; \texttt{c} \; \texttt{cosh} [\; 4 \; \texttt{x}\;] \; ) \; + \; \texttt{c} \; \texttt{cosh} [\; 4 \; \texttt{x}\;] \; ) \; + \; \texttt{c} \; \texttt{cosh} [\; 4 \; \texttt{x}\;] \; + \; \texttt{c} \; \texttt{cosh} [\; 4 \; \texttt{x}\;] \; ) \; + \; \texttt{c} \; \texttt{cosh} [\; 4 \; \texttt{x}\;] \; ) \; + \; \texttt{c} \; \texttt{cosh} [\; 4 \; \texttt{x}\;] \; ) \; + \; \texttt{c} \; \texttt{cosh} [\; 4 \; \texttt{x}\;] \; ) \; + \; \texttt{c} \; \texttt{cosh} [\; 4 \; \texttt{x}\;] \; ) \; + \; \texttt{c} \; \texttt{cosh} [\; 4 \; \texttt{x}\;] \; ) \; + \; \texttt{c} \; \texttt{cosh} [\; 4 \; \texttt{x}\;] \; ) \; + \; \texttt{c} \; \texttt{cosh} [\; 4 \; \texttt{x}\;] \; ) \; + \; \texttt{c} \; \texttt{cosh} [\; 4 \; \texttt{x}\;] \; ) \; + \; \texttt{c} \; \texttt{cosh} [\; 4 \; \texttt{x}\;] \; ) \; + \; \texttt{c} \; \texttt{cosh} [\; 4 \; \texttt{x}\;] \; ) \; + \; \texttt{c} \; \texttt{cosh} [\; 4 \; \texttt{x}\;] \; ) \; + \; \texttt{c} \; \texttt{cosh} [\; 4 \; \texttt{x}\;] \; ) \; + \; \texttt{c} \; \texttt{cosh} [\; 4 \; \texttt{x}\;] \; ) \; + \; \texttt{c} \; \texttt{cosh} [\; 4 \; \texttt{x}\;] \; ) \; + \; \texttt{c} \; \texttt{cosh} [\; 4 \; \texttt{x}\;] \; ) \; + \; \texttt{c} \; \texttt{cosh} [\; 4 \; \texttt{x}\;] \; ) \; + \; \texttt{c} \; \texttt{cosh} [\; 4 \; \texttt{x}\;] \; ) \; + \; \texttt{c} \; \texttt{cosh} [\; 4 \; \texttt{x}\;] \; ) \; + \; \texttt{c} \; \texttt{cosh} [\; 4 \; \texttt{x}\;] \; ) \; + \; \texttt{c} \; \texttt{cosh} [\; 4 \; \texttt{x}\;] \; ) \; + \; \texttt{c} \; \texttt{cosh} [\; 4 \; \texttt{x}\;] \; + \; \texttt{c} \; \texttt{cosh} [\; 4 \; \texttt{x}\;] \; ) \; + \; \texttt{c} \; \texttt{cosh} [\; 4 \; \texttt{x}\;] \; + \; \texttt{c} \; \texttt{cosh} [\; 4 \; \texttt{x}\;] \; + \; \texttt{c} \; \texttt{cosh} [\; 4 \; \texttt{x}\;] \; ) \; + \; \texttt{c} \; \texttt{cosh} [\; 4 \; \texttt{x}\;] \; + \; \texttt{c} \; \texttt{cosh} [\; 4 \; \texttt{x}\;] \; + \; \texttt{c} \; \texttt{cosh} [\; 4 \; \texttt{x}\;] \; + \; \texttt{c} \; \texttt{cosh} [\; 4 \; \texttt{x}\;] \; + \; \texttt{c} \; \texttt{cosh} [\; 4 \; \texttt{x}\;] \; + \; \texttt{c} \; \texttt{cosh} [\; 4 \; \texttt{x}\;] \; + \; \texttt{c} \; \texttt{cosh} [\; 4 \; \texttt{x}\;] \; + \; \texttt{c} \; \texttt{cosh} [\; 4 \; \texttt{x}\;] \; + \; \texttt{c} \; \texttt{cosh} [\; 4 \; \texttt{x}\;] \; + \; \texttt{c} \; \texttt{cosh} [\; 4 \; \texttt{x}\;] \; + \; \texttt{c} \; \texttt{cosh} [\; 4 \; \texttt{x}\;] \; + \; \texttt{c} \;
                                                                                                                                                          c(3a-b+3c+4aCosh[2x]-4cCosh[2x]+aCosh[4x]+bCosh[4x]+cCosh[4x])))))
                                                                                                        a (8 \text{ a Sinh}[2 \text{ x}] - 8 \text{ c Sinh}[2 \text{ x}] + 4 \text{ a Sinh}[4 \text{ x}] + 4 \text{ b Sinh}[4 \text{ x}] + 4 \text{ c Sinh}[4 \text{ x}])
                                         2\sqrt{3} a - b + 3 c + 4 a Cosh[2 x] - 4 c Cosh[2 x] + a Cosh[4 x] + b Cosh[4 x] + c Cosh[4 x]
                                                                                                                                   b (8 a Sinh[2x] - 8 c Sinh[2x] + 4 a Sinh[4x] + 4 b Sinh[4x] + 4 c Sinh[4x])
                                                                                2\,\sqrt{\,3\,\,a\,-\,b\,+\,3\,\,c\,+\,4\,\,a\,\,Cosh\,[\,2\,\,x\,]\,\,-\,4\,\,c\,\,Cosh\,[\,2\,\,x\,]\,\,+\,a\,\,Cosh\,[\,4\,\,x\,]\,\,+\,b\,\,Cosh\,[\,4\,\,x\,]\,\,+\,c\,\,Cosh\,[\,4\,\,x\,]}
                                                                                                                                         \texttt{c} \; ( \texttt{8} \; \texttt{a} \; \texttt{Sinh} [ \, \texttt{2} \; \texttt{x} \, ] \; - \; \texttt{8} \; \texttt{c} \; \texttt{Sinh} [ \, \texttt{2} \; \texttt{x} \, ] \; + \; \texttt{4} \; \texttt{a} \; \texttt{Sinh} [ \, \texttt{4} \; \texttt{x} \, ] \; + \; \texttt{4} \; \texttt{b} \; \texttt{Sinh} [ \, \texttt{4} \; \texttt{x} \, ] \; + \; \texttt{4} \; \texttt{c} \; \texttt{Sinh} [ \, \texttt{4} \; \texttt{x} \, ] \; ) 
                                                                                2\sqrt{3} a - b + 3 c + 4 a Cosh[2x] - 4 c Cosh[2x] + a Cosh[4x] + b Cosh[4x] + c Cosh[4x]
                                                                                \sqrt{a+b+c} (a (8 a Sinh[2x] - 8 c Sinh[2x] + 4 a Sinh[4x] + 4 b Sinh[4x] + 4 c Sinh[4x]) +
                                                                                                                                                           b \ (8 \ a \ Sinh[2 \ x] - 8 \ c \ Sinh[2 \ x] + 4 \ a \ Sinh[4 \ x] + 4 \ b \ Sinh[4 \ x] + 4 \ c \ Sinh[4 \ x]) + \\
                                                                                                                                                             c (8 \text{ a Sinh}[2 \text{ x}] - 8 \text{ c Sinh}[2 \text{ x}] + 4 \text{ a Sinh}[4 \text{ x}] + 4 \text{ b Sinh}[4 \text{ x}] + 4 \text{ c Sinh}[4 \text{ x}]))
                                                                                              \left(2\,\sqrt{\,\left(2\,b^{2}\,-\,8\,a\,c\,+\,a\,\left(3\,a\,-\,b\,+\,3\,c\,+\,4\,a\,Cosh\,[\,2\,x\,]\,-\,4\,c\,Cosh\,[\,2\,x\,]\,+\,a\,Cosh\,[\,4\,x\,]\,+\,b\,Cosh\,[\,4\,x\,]\,+\,c\,Cosh\,[\,4\,x\,]\,\right)\,+\,3\,c\,+\,4\,a\,Cosh\,[\,4\,x\,]\,+\,a\,Cosh\,[\,4\,x\,]\,+\,b\,Cosh\,[\,4\,x\,]\,+\,b\,Cosh\,[\,4\,x\,]\,+\,b\,Cosh\,[\,4\,x\,]\,+\,b\,Cosh\,[\,4\,x\,]\,+\,b\,Cosh\,[\,4\,x\,]\,+\,b\,Cosh\,[\,4\,x\,]\,+\,b\,Cosh\,[\,4\,x\,]\,+\,b\,Cosh\,[\,4\,x\,]\,+\,b\,Cosh\,[\,4\,x\,]\,+\,b\,Cosh\,[\,4\,x\,]\,+\,b\,Cosh\,[\,4\,x\,]\,+\,b\,Cosh\,[\,4\,x\,]\,+\,b\,Cosh\,[\,4\,x\,]\,+\,b\,Cosh\,[\,4\,x\,]\,+\,b\,Cosh\,[\,4\,x\,]\,+\,b\,Cosh\,[\,4\,x\,]\,+\,b\,Cosh\,[\,4\,x\,]\,+\,b\,Cosh\,[\,4\,x\,]\,+\,b\,Cosh\,[\,4\,x\,]\,+\,b\,Cosh\,[\,4\,x\,]\,+\,b\,Cosh\,[\,4\,x\,]\,+\,b\,Cosh\,[\,4\,x\,]\,+\,b\,Cosh\,[\,4\,x\,]\,+\,b\,Cosh\,[\,4\,x\,]\,+\,b\,Cosh\,[\,4\,x\,]\,+\,b\,Cosh\,[\,4\,x\,]\,+\,b\,Cosh\,[\,4\,x\,]\,+\,b\,Cosh\,[\,4\,x\,]\,+\,b\,Cosh\,[\,4\,x\,]\,+\,b\,Cosh\,[\,4\,x\,]\,+\,b\,Cosh\,[\,4\,x\,]\,+\,b\,Cosh\,[\,4\,x\,]\,+\,b\,Cosh\,[\,4\,x\,]\,+\,b\,Cosh\,[\,4\,x\,]\,+\,b\,Cosh\,[\,4\,x\,]\,+\,b\,Cosh\,[\,4\,x\,]\,+\,b\,Cosh\,[\,4\,x\,]\,+\,b\,Cosh\,[\,4\,x\,]\,+\,b\,Cosh\,[\,4\,x\,]\,+\,b\,Cosh\,[\,4\,x\,]\,+\,b\,Cosh\,[\,4\,x\,]\,+\,b\,Cosh\,[\,4\,x\,]\,+\,b\,Cosh\,[\,4\,x\,]\,+\,b\,Cosh\,[\,4\,x\,]\,+\,b\,Cosh\,[\,4\,x\,]\,+\,b\,Cosh\,[\,4\,x\,]\,+\,b\,Cosh\,[\,4\,x\,]\,+\,b\,Cosh\,[\,4\,x\,]\,+\,b\,Cosh\,[\,4\,x\,]\,+\,b\,Cosh\,[\,4\,x\,]\,+\,b\,Cosh\,[\,4\,x\,]\,+\,b\,Cosh\,[\,4\,x\,]\,+\,b\,Cosh\,[\,4\,x\,]\,+\,b\,Cosh\,[\,4\,x\,]\,+\,b\,Cosh\,[\,4\,x\,]\,+\,b\,Cosh\,[\,4\,x\,]\,+\,b\,Cosh\,[\,4\,x\,]\,+\,b\,Cosh\,[\,4\,x\,]\,+\,b\,Cosh\,[\,4\,x\,]\,+\,b\,Cosh\,[\,4\,x\,]\,+\,b\,Cosh\,[\,4\,x\,]\,+\,b\,Cosh\,[\,4\,x\,]\,+\,b\,Cosh\,[\,4\,x\,]\,+\,b\,Cosh\,[\,4\,x\,]\,+\,b\,Cosh\,[\,4\,x\,]\,+\,b\,Cosh\,[\,4\,x\,]\,+\,b\,Cosh\,[\,4\,x\,]\,+\,b\,Cosh\,[\,4\,x\,]\,+\,b\,Cosh\,[\,4\,x\,]\,+\,b\,Cosh\,[\,4\,x\,]\,+\,b\,Cosh\,[\,4\,x\,]\,+\,b\,Cosh\,[\,4\,x\,]\,+\,b\,Cosh\,[\,4\,x\,]\,+\,b\,Cosh\,[\,4\,x\,]\,+\,b\,Cosh\,[\,4\,x\,]\,+\,b\,Cosh\,[\,4\,x\,]\,+\,b\,Cosh\,[\,4\,x\,]\,+\,b\,Cosh\,[\,4\,x\,]\,+\,b\,Cosh\,[\,4\,x\,]\,+\,b\,Cosh\,[\,4\,x\,]\,+\,b\,Cosh\,[\,4\,x\,]\,+\,b\,Cosh\,[\,4\,x\,]\,+\,b\,Cosh\,[\,4\,x\,]\,+\,b\,Cosh\,[\,4\,x\,]\,+\,b\,Cosh\,[\,4\,x\,]\,+\,b\,Cosh\,[\,4\,x\,]\,+\,b\,Cosh\,[\,4\,x\,]\,+\,b\,Cosh\,[\,4\,x\,]\,+\,b\,Cosh\,[\,4\,x\,]\,+\,b\,Cosh\,[\,4\,x\,]\,+\,b\,Cosh\,[\,4\,x\,]\,+\,b\,Cosh\,[\,4\,x\,]\,+\,b\,Cosh\,[\,4\,x\,]\,+\,b\,Cosh\,[\,4\,x\,]\,+\,b\,Cosh\,[\,4\,x\,]\,+\,b\,Cosh\,[\,4\,x\,]\,+\,b\,Cosh\,[\,4\,x\,]\,+\,b\,Cosh\,[\,4\,x\,]\,+\,b\,Cosh\,[\,4\,x\,]\,+\,b\,Cosh\,[\,4\,x\,]\,+\,b\,Cosh\,[\,4\,x\,]\,+\,b\,Cosh\,[\,4\,x\,]\,+\,b\,Cosh\,[\,4\,x\,]\,+\,b\,Cosh\,[\,4\,x\,]\,+\,b\,Cosh\,[\,4\,x\,]\,+\,b\,Cosh\,[\,4\,x\,]\,+\,b\,Cosh\,[\,4\,x\,]\,+\,b\,Cosh\,[\,4\,x\,]\,+\,b\,Cosh\,[\,4\,x\,]\,+\,b\,Cosh\,[\,4
                                                                                                                                                                              \texttt{b} \; (3 \; \texttt{a} \; - \; \texttt{b} \; + \; 3 \; \texttt{c} \; + \; 4 \; \texttt{a} \; \texttt{Cosh}[\; 2 \; \texttt{x}] \; - \; 4 \; \texttt{c} \; \texttt{Cosh}[\; 2 \; \texttt{x}] \; + \; \texttt{a} \; \texttt{Cosh}[\; 4 \; \texttt{x}] \; + \; \texttt{b} \; \texttt{Cosh}[\; 4 \; \texttt{x}] \; + \; \texttt{c} \; \texttt{Cosh}[\; 4 \; \texttt{x}] \; ) \; + \; \texttt{c} \; \texttt{cosh}[\; 4 \; \texttt{x}] \; + \; \texttt{c} \; \texttt{cosh}[\; 4 \; \texttt{x}] \; + \; \texttt{c} \; \texttt{cosh}[\; 4 \; \texttt{x}] \; ) \; + \; \texttt{cosh}[\; 4 \; \texttt{x}] \; + 
                                                                                                                                                                              \texttt{c} \; \left( \; 3 \; \texttt{a} \; - \; \texttt{b} \; + \; 3 \; \texttt{c} \; + \; 4 \; \texttt{a} \; \texttt{Cosh} \left[ \; 2 \; \texttt{x} \; \right] \; - \; 4 \; \texttt{c} \; \texttt{Cosh} \left[ \; 2 \; \texttt{x} \; \right] \; + \; \texttt{a} \; \texttt{Cosh} \left[ \; 4 \; \texttt{x} \; \right] \; + \; \texttt{b} \; \texttt{Cosh} \left[ \; 4 \; \texttt{x} \; \right] \; + \; \texttt{c} \; \texttt{Cosh} \left[ \; 4 \; \texttt{x} \; \right] \; + \; \texttt{c} \; \texttt{Cosh} \left[ \; 4 \; \texttt{x} \; \right] \; + \; \texttt{c} \; \texttt{Cosh} \left[ \; 4 \; \texttt{x} \; \right] \; + \; \texttt{c} \; \texttt{Cosh} \left[ \; 4 \; \texttt{x} \; \right] \; + \; \texttt{c} \; \texttt{Cosh} \left[ \; 4 \; \texttt{x} \; \right] \; + \; \texttt{c} \; \texttt{Cosh} \left[ \; 4 \; \texttt{x} \; \right] \; + \; \texttt{c} \; \texttt{cosh} \left[ \; 4 \; \texttt{x} \; \right] \; + \; \texttt{c} \; \texttt{cosh} \left[ \; 4 \; \texttt{x} \; \right] \; + \; \texttt{c} \; \texttt{cosh} \left[ \; 4 \; \texttt{x} \; \right] \; + \; \texttt{c} \; \texttt{cosh} \left[ \; 4 \; \texttt{x} \; \right] \; + \; \texttt{c} \; \texttt{cosh} \left[ \; 4 \; \texttt{x} \; \right] \; + \; \texttt{c} \; \texttt{cosh} \left[ \; 4 \; \texttt{x} \; \right] \; + \; \texttt{c} \; \texttt{cosh} \left[ \; 4 \; \texttt{x} \; \right] \; + \; \texttt{c} \; \texttt{cosh} \left[ \; 4 \; \texttt{x} \; \right] \; + \; \texttt{c} \; \texttt{cosh} \left[ \; 4 \; \texttt{x} \; \right] \; + \; \texttt{c} \; \texttt{cosh} \left[ \; 4 \; \texttt{x} \; \right] \; + \; \texttt{c} \; \texttt{cosh} \left[ \; 4 \; \texttt{x} \; \right] \; + \; \texttt{c} \; \texttt{cosh} \left[ \; 4 \; \texttt{x} \; \right] \; + \; \texttt{c} \; \texttt{cosh} \left[ \; 4 \; \texttt{x} \; \right] \; + \; \texttt{c} \; \texttt{cosh} \left[ \; 4 \; \texttt{x} \; \right] \; + \; \texttt{c} \; \texttt{cosh} \left[ \; 4 \; \texttt{x} \; \right] \; + \; \texttt{c} \; \texttt{cosh} \left[ \; 4 \; \texttt{x} \; \right] \; + \; \texttt{c} \; \texttt{cosh} \left[ \; 4 \; \texttt{x} \; \right] \; + \; \texttt{c} \; \texttt{cosh} \left[ \; 4 \; \texttt{x} \; \right] \; + \; \texttt{c} \; \texttt{cosh} \left[ \; 4 \; \texttt{x} \; \right] \; + \; \texttt{c} \; \texttt{cosh} \left[ \; 4 \; \texttt{x} \; \right] \; + \; \texttt{c} \; \texttt{cosh} \left[ \; 4 \; \texttt{x} \; \right] \; + \; \texttt{c} \; \texttt{cosh} \left[ \; 4 \; \texttt{x} \; \right] \; + \; \texttt{c} \; \texttt{cosh} \left[ \; 4 \; \texttt{x} \; \right] \; + \; \texttt{c} \; \texttt{cosh} \left[ \; 4 \; \texttt{x} \; \right] \; + \; \texttt{c} \; \texttt{cosh} \left[ \; 4 \; \texttt{x} \; \right] \; + \; \texttt{c} \; \texttt{cosh} \left[ \; 4 \; \texttt{x} \; \right] \; + \; \texttt{c} \; \texttt{cosh} \left[ \; 4 \; \texttt{x} \; \right] \; + \; \texttt{c} \; \texttt{cosh} \left[ \; 4 \; \texttt{x} \; \right] \; + \; \texttt{c} \; \texttt{cosh} \left[ \; 4 \; \texttt{x} \; \right] \; + \; \texttt{c} \; \texttt{cosh} \left[ \; 4 \; \texttt{x} \; \right] \; + \; \texttt{c} \; \texttt{cosh} \left[ \; 4 \; \texttt{x} \; \right] \; + \; \texttt{c} \; \texttt{cosh} \left[ \; 4 \; \texttt{x} \; \right] \; + \; \texttt{c} \; \texttt{cosh} \left[ \; 4 \; \texttt{x} \; \right] \; + \; \texttt{c} \; \texttt{cosh} \left[ \; 4 \; \texttt{x} \; \right] \; + \; \texttt{c} \; \texttt{cosh} \left[ \; 4 \; \texttt{x} \; \right] \; + \; \texttt{c} \; \texttt{cosh} \left[ \; 4 \; \texttt{x} \; \right] \; + \; \texttt{c} \; \texttt{cosh} \left[ \; 4 \; \texttt{x} \; \right] \; + \; \texttt{c} \; \texttt{cosh} \left[ \; 4 \; \texttt{x} \; \right] \; + \; \texttt{c} \; \texttt{cosh} \left[ \; 4 \; \texttt{x} \; \right] \; + \; \texttt{c} \; \texttt{cosh} \left[ \; 4 
             \sqrt{a + b + c} \left( a \sqrt{3 a - b + 3 c + 4 a Cosh[2 x] - 4 c Cosh[2 x] + a Cosh[4 x] + b Cosh[4 x] + c 
                                                                       b \sqrt{3 \, a - b + 3 \, c + 4 \, a \, Cosh[2 \, x] - 4 \, c \, Cosh[2 \, x] + a \, Cosh[4 \, x] + b \, Cosh[4 \, x] + c \, Cosh[4 \, x]} \  \  \, + c \, Cosh[4 \, x] + c \, C
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c\,\sqrt{\,3\,a-b+3\,c+4\,a\,Cosh[\,2\,x]\,-4\,c\,Cosh[\,2\,x]\,+a\,Cosh[\,4\,x]\,+b\,Cosh[\,4\,x]\,+c\,Cosh[\,4\,x]\,+\sqrt{\,a+b+c}}
                                                                                                                                            \sqrt{(2b^2 - 8ac + a(3a - b + 3c + 4aCosh[2x] - 4cCosh[2x] + aCosh[4x] + bCosh[4x] + cCosh[4x])} + cCosh[4x] + cCos
                                                                                                                                                                                        b \; (3 \; a \; - \; b \; + \; 3 \; c \; + \; 4 \; a \; Cosh [\; 2 \; x] \; - \; 4 \; c \; Cosh [\; 2 \; x] \; + \; a \; Cosh [\; 4 \; x] \; + \; b \; Cosh [\; 4 \; x] \; + \; c \; Cosh [\; 4 \; x] \; ) \; + \; c \; cosh [\; 4 \; x] \; ) \; + \; cosh [\; 4 \; x] \; ) \; + \; cosh [\; 4 \; x] \; ) \; + \; cosh [\; 4 \; x] \; ) \; + \; cosh [\; 4 \; x] \; ) \; + \; cosh [\; 4 \; x] \; ) \; + \; cosh [\; 4 \; x] \; ) \; + \; cosh [\; 4 \; x] \; ) \; + \; cosh [\; 4 \; x] \; ) \; + \; cosh [\; 4 \; x] \; ) \; + \; cosh [\; 4 \; x] \; ) \; + \; cosh [\; 4 \; x] \; ) \; + \; cosh [\; 4 \; x] \; ) \; + \; cosh [\; 4 \; x] \; ) \; + \; cosh [\; 4 \; x] \; ) \; + \; cosh [\; 4 \; x] \; ) \; + \; cosh [\; 4 \; x] \; ) \; + \; cosh [\; 4 \; x] \; ) \; + \; cosh [\; 4 \; x] \; ) \; + \; cosh [\; 4 \; x] \; ) \; + \; cosh [\; 4 \; x] \; ) \; + \; cosh [\; 4 \; x] \; ) \; + \; cosh [\; 4 \; x] \; ) \; + \; cosh [\; 4 \; x] \; ) \; + \; cosh [\; 4 \; x] \; ) \; + \; cosh [\; 4 \; x] \; ) \; + \; cosh [\; 4 \; x] \; ) \; + \; cosh [\; 4 \; x] \; ) \; + \; cosh [\; 4 \; x] \; ) \; + \; cosh [\; 4 \; x] \; ) \; + \; cosh [\; 4 \; x] \; ) \; + \; cosh [\; 4 \; x] \; ) \; + \; cosh [\; 4 \; x] \; ) \; + \; cosh [\; 4 \; x] \; ) \; + \; cosh [\; 4 \; x] \; ) \; + \; cosh [\; 4 \; x] \; ) \; + \; cosh [\; 4 \; x] \; ) \; + \; cosh [\; 4 \; x] \; ) \; + \; cosh [\; 4 \; x] \; ) \; + \; cosh [\; 4 \; x] \; ) \; + \; cosh [\; 4 \; x] \; ) \; + \; cosh [\; 4 \; x] \; ) \; + \; cosh [\; 4 \; x] \; ) \; + \; cosh [\; 4 \; x] \; ) \; + \; cosh [\; 4 \; x] \; ) \; + \; cosh [\; 4 \; x] \; ) \; + \; cosh [\; 4 \; x] \; ) \; + \; cosh [\; 4 \; x] \; ) \; + \; cosh [\; 4 \; x] \; ) \; + \; cosh [\; 4 \; x] \; ) \; + \; cosh [\; 4 \; x] \; ) \; + \; cosh [\; 4 \; x] \; ) \; + \; cosh [\; 4 \; x] \; ) \; + \; cosh [\; 4 \; x] \; ) \; + \; cosh [\; 4 \; x] \; ) \; + \; cosh [\; 4 \; x] \; ) \; + \; cosh [\; 4 \; x] \; ) \; + \; cosh [\; 4 \; x] \; ) \; + \; cosh [\; 4 \; x] \; ) \; + \; cosh [\; 4 \; x] \; ) \; + \; cosh [\; 4 \; x] \; ) \; + \; cosh [\; 4 \; x] \; ) \; + \; cosh [\; 4 \; x] \; + \; cosh [\; 4 \; x] \; ) \; + \; cosh [\; 4 \; x] \; ) \; + \; cosh [\; 4 \; x] \; ) \; + \; cosh [\; 4 \; x] \; + \; cosh [\; 4 \; x] \; ) \; + \; cosh [\; 4 \; x] \; + \; cosh 
                                                                                                                                                                                        \texttt{c} \; \left( \; 3 \; \texttt{a} \; - \; \texttt{b} \; + \; 3 \; \texttt{c} \; + \; 4 \; \texttt{a} \; \texttt{Cosh} \left[ \; 2 \; \texttt{x} \; \right] \; + \; \texttt{a} \; \texttt{Cosh} \left[ \; 4 \; \texttt{x} \; \right] \; + \; \texttt{b} \; \texttt{Cosh} \left[ \; 4 \; \texttt{x} \; \right] \; + \; \texttt{c} \; \texttt{Cosh} \left[ \; 4 \; \texttt{x} \; \right] \; + \; \texttt{c} \; \texttt{Cosh} \left[ \; 4 \; \texttt{x} \; \right] \; + \; \texttt{c} \; \texttt{Cosh} \left[ \; 4 \; \texttt{x} \; \right] \; + \; \texttt{c} \; \texttt{Cosh} \left[ \; 4 \; \texttt{x} \; \right] \; + \; \texttt{c} \; \texttt{Cosh} \left[ \; 4 \; \texttt{x} \; \right] \; + \; \texttt{c} \; \texttt{Cosh} \left[ \; 4 \; \texttt{x} \; \right] \; + \; \texttt{c} \; \texttt{Cosh} \left[ \; 4 \; \texttt{x} \; \right] \; + \; \texttt{c} \; \texttt{Cosh} \left[ \; 4 \; \texttt{x} \; \right] \; + \; \texttt{c} \; \texttt{Cosh} \left[ \; 4 \; \texttt{x} \; \right] \; + \; \texttt{c} \; \texttt{cosh} \left[ \; 4 \; \texttt{x} \; \right] \; + \; \texttt{c} \; \texttt{cosh} \left[ \; 4 \; \texttt{x} \; \right] \; + \; \texttt{c} \; \texttt{cosh} \left[ \; 4 \; \texttt{x} \; \right] \; + \; \texttt{c} \; \texttt{cosh} \left[ \; 4 \; \texttt{x} \; \right] \; + \; \texttt{c} \; \texttt{cosh} \left[ \; 4 \; \texttt{x} \; \right] \; + \; \texttt{c} \; \texttt{cosh} \left[ \; 4 \; \texttt{x} \; \right] \; + \; \texttt{c} \; \texttt{cosh} \left[ \; 4 \; \texttt{x} \; \right] \; + \; \texttt{c} \; \texttt{cosh} \left[ \; 4 \; \texttt{x} \; \right] \; + \; \texttt{c} \; \texttt{cosh} \left[ \; 4 \; \texttt{x} \; \right] \; + \; \texttt{c} \; \texttt{cosh} \left[ \; 4 \; \texttt{x} \; \right] \; + \; \texttt{c} \; \texttt{cosh} \left[ \; 4 \; \texttt{x} \; \right] \; + \; \texttt{c} \; \texttt{cosh} \left[ \; 4 \; \texttt{x} \; \right] \; + \; \texttt{c} \; \texttt{cosh} \left[ \; 4 \; \texttt{x} \; \right] \; + \; \texttt{c} \; \texttt{cosh} \left[ \; 4 \; \texttt{x} \; \right] \; + \; \texttt{c} \; \texttt{cosh} \left[ \; 4 \; \texttt{x} \; \right] \; + \; \texttt{c} \; \texttt{cosh} \left[ \; 4 \; \texttt{x} \; \right] \; + \; \texttt{c} \; \texttt{cosh} \left[ \; 4 \; \texttt{x} \; \right] \; + \; \texttt{c} \; \texttt{cosh} \left[ \; 4 \; \texttt{x} \; \right] \; + \; \texttt{c} \; \texttt{cosh} \left[ \; 4 \; \texttt{x} \; \right] \; + \; \texttt{c} \; \texttt{cosh} \left[ \; 4 \; \texttt{x} \; \right] \; + \; \texttt{c} \; \texttt{cosh} \left[ \; 4 \; \texttt{x} \; \right] \; + \; \texttt{c} \; \texttt{cosh} \left[ \; 4 \; \texttt{x} \; \right] \; + \; \texttt{c} \; \texttt{cosh} \left[ \; 4 \; \texttt{x} \; \right] \; + \; \texttt{c} \; \texttt{cosh} \left[ \; 4 \; \texttt{x} \; \right] \; + \; \texttt{c} \; \texttt{cosh} \left[ \; 4 \; \texttt{x} \; \right] \; + \; \texttt{c} \; \texttt{cosh} \left[ \; 4 \; \texttt{x} \; \right] \; + \; \texttt{c} \; \texttt{cosh} \left[ \; 4 \; \texttt{x} \; \right] \; + \; \texttt{c} \; \texttt{cosh} \left[ \; 4 \; \texttt{x} \; \right] \; + \; \texttt{c} \; \texttt{cosh} \left[ \; 4 \; \texttt{x} \; \right] \; + \; \texttt{c} \; \texttt{cosh} \left[ \; 4 \; \texttt{x} \; \right] \; + \; \texttt{c} \; \texttt{cosh} \left[ \; 4 \; \texttt{x} \; \right] \; + \; \texttt{c} \; \texttt{cosh} \left[ \; 4 \; \texttt{x} \; \right] \; + \; \texttt{c} \; \texttt{cosh} \left[ \; 4 \; \texttt{x} \; \right] \; + \; \texttt{c} \; \texttt{cosh} \left[ \; 4 \; \texttt{x} \; \right] \; + \; \texttt{c} \; \texttt{cosh} \left[ \; 4 \; \texttt{x} \; \right] \; + \; \texttt{c} \; \texttt{cosh} \left[ \; 4 \; \texttt{x} \; \right] \; + \; \texttt{c} \; \texttt{cosh} \left[ \; 4 \; \texttt{x} \; \right] \; + \; \texttt{c} \; \texttt{cosh} \left[ \; 4 \; \texttt{
32 (b - c + c Cosh[2x]) \sqrt{3} a - b + 3 c + 4 a Cosh[2x] - 4 c Cosh[2x] + a Cosh[4x] + b Cosh[4x] + c Cosh[4x]
                   \sqrt{(2b^2 - 8ac + a(3a - b + 3c + 4aCosh[2x] - 4cCosh[2x] + aCosh[4x] + bCosh[4x] + cCosh[4x])}
                                                            b (3a - b + 3c + 4a Cosh[2x] - 4c Cosh[2x] + a Cosh[4x] + b Cosh[4x] + c Cosh[4x]) +
                                                              c(3a-b+3c+4aCosh[2x]-4cCosh[2x]+aCosh[4x]+bCosh[4x]+cCosh[4x])
                 \sqrt{\left(\frac{1}{a+b+c}\left(-4 \text{ a} - 2 \text{ b} + \sqrt{2} \sqrt{(2 \text{ b}^2 - 8 \text{ a} \text{ c} + \text{ a} (3 \text{ a} - \text{b} + 3 \text{ c} + 4 \text{ a} \text{ Cosh}[2 \text{ x}] - 4 \text{ c} \text{ Cosh}[2 \text{ x}] + \text{a} \text{ Cosh}[4 \text{ x}] + \text{b} \text{ Cosh}[4 \text{ x}] + \text{b} \text{ Cosh}[4 \text{ x}] + \text{c} \text{cosh}[4 \text{ x}] + \text{c} 
                                                                                                                                                                                                      \texttt{c} \; \texttt{Cosh[4\,x])} \; + \; \texttt{b} \; (3 \; \texttt{a} \; - \; \texttt{b} \; + \; 3 \; \texttt{c} \; + \; 4 \; \texttt{a} \; \texttt{Cosh[2\,x]} \; - \; 4 \; \texttt{c} \; \texttt{Cosh[2\,x]} \; + \; \texttt{a} \; \texttt{Cosh[4\,x]} \; + \; \texttt{b} \; \texttt{Cosh[4\,x]} \; + \; \texttt{c} \; \texttt{Cosh[4\,x]}) \; + \; \texttt{c} \; \texttt{cosh[4\,x]} \; + \; \texttt{cosh[4\,x]} \; + \; \texttt{c} \; \texttt{cosh[4\,x]} \; + \; \texttt{cosh[4\,x]} \; + \; \texttt{c} \; \texttt{cosh[4\,x]} \; + \; \texttt{c} \; \texttt{cosh[4\,x]} \; +
                                                                                                                                                         c(3a-b+3c+4aCosh[2x]-4cCosh[2x]+aCosh[4x]+bCosh[4x]+cCosh[4x]))
                     \left(-2\,\text{a} + 2\,\text{c} + \sqrt{2}\,\,\sqrt{\left(2\,b^2 - 8\,\text{a}\,\text{c} + \text{a}\,\left(3\,\text{a} - b + 3\,\text{c} + 4\,\text{a}\,\text{Cosh}\left[2\,x\right] - 4\,\text{c}\,\text{Cosh}\left[2\,x\right] + \text{a}\,\text{Cosh}\left[4\,x\right] + b\,\text{Cosh}\left[4\,x\right] + c\,\text{Cosh}\left[4\,x\right]\right) + c\,\text{Cosh}\left[4\,x\right]\right) + c\,\text{Cosh}\left[4\,x\right] + c\,\text{Cos
                                                                                                          \texttt{b} \; ( \; 3 \; \texttt{a} \; - \; \texttt{b} \; + \; 3 \; \texttt{c} \; + \; 4 \; \texttt{a} \; \texttt{Cosh}[\; 2 \; \texttt{x}] \; - \; 4 \; \texttt{c} \; \texttt{Cosh}[\; 2 \; \texttt{x}] \; + \; \texttt{a} \; \texttt{Cosh}[\; 4 \; \texttt{x}] \; + \; \texttt{b} \; \texttt{Cosh}[\; 4 \; \texttt{x}] \; + \; \texttt{c} \; \texttt{Cosh}[\; 4 \; \texttt{x}] \; ) \; + \; \texttt{cosh}[\; 4 \; \texttt{x}] \; ) \; + \; \texttt{cosh}[\; 4 \; \texttt{x}] \; + \; \texttt{cosh}[\; 4 \; \texttt{
                                                                                                           c(3a-b+3c+4aCosh[2x]-4cCosh[2x]+aCosh[4x]+bCosh[4x]+cCosh[4x]))
                 \sqrt{\left[-1 + \frac{1}{2(a+b+c)} \left(-2a+2c+\sqrt{2}\sqrt{2b^2-8ac+a(3a-b+3c+4aCosh[2x]-4cCosh[2x]+aCosh[4x]+\frac{1}{2(a+b+c)}\right)\right]}
                                                                                                                                                                                                                       b \, Cosh[4 \, x] + c \, Cosh[4 \, x]) + b \, (3 \, a - b + 3 \, c + 4 \, a \, Cosh[2 \, x] - 4 \, c \, Cosh[2 \, x] + a \, Cosh[4 \, x] + b \, Cosh[4 \,
                                                                                                                                                                                                                     c \cosh[4x] + c (3a - b + 3c + 4a \cosh[2x] - 4c \cosh[2x] + a \cosh[4x] + b \cosh[4x] + c \cosh[4x])
               \sqrt{\left[1 + \frac{1}{2(a+b+c)} \left(-2a+2c+\sqrt{2}\sqrt{2b^2-8ac+a(3a-b+3c+4a\cosh[2x]-4c\cosh[2x]+a\cosh[4x]+a\cosh[4x]+a\cosh[4x]+a\cosh[4x]+a\cosh[4x]+a\cosh[4x]+a\cosh[4x]+a\cosh[4x]+a\cosh[4x]+a\cosh[4x]+a\cosh[4x]+a\cosh[4x]+a\cosh[4x]+a\cosh[4x]+a\cosh[4x]+a\cosh[4x]+a\cosh[4x]+a\cosh[4x]+a\cosh[4x]+a\cosh[4x]+a\cosh[4x]+a\cosh[4x]+a\cosh[4x]+a\cosh[4x]+a\cosh[4x]+ahandah
                                                                                                                                                                                                                     b \, Cosh[4\,x] + c \, Cosh[4\,x]) + b \, (3\,a - b + 3\,c + 4\,a \, Cosh[2\,x] - 4\,c \, Cosh[2\,x] + a \, Cosh[4\,x] + b 
                                                                                                                                                                                                                     c \cosh[4x] + c (3a - b + 3c + 4a \cosh[2x] - 4c \cosh[2x] + a \cosh[4x] + b \cosh[4x] + c \cosh[4x])
                   \sqrt{(3 a - b + 3 c + 4 (a - c) Cosh[2 x] + (a + b + c) Cosh[4 x]) Sech[x]^{4}} - c Cosh[2 x]
                     (3 a - b + 3 c + 4 (a - c) Cosh[2x] + (a + b + c) Cosh[4x])
                       2 \text{ a} \sqrt{3 \text{ a} - \text{b} + 3 \text{ c} + 4 \text{ a} \text{ Cosh}[2 \text{ x}] - 4 \text{ c} \text{ Cosh}[2 \text{ x}] + \text{a} \text{ Cosh}[4 \text{ x}] + \text{b} \text{ Cosh}[4 \text{ x}] + \text{c} \text{ Cosh}[4 \text{ x}] + \text{c} \text{ Cosh}[4 \text{ x}]}
                                               2 b \sqrt{3} a - b + 3 c + 4 a \cosh[2 x] - 4 c \cosh[2 x] + a \cosh[4 x] + b \cosh[4 x] + c \cosh[4 x] + c \cosh[4 x]
                                               2 c \sqrt{3 a - b + 3 c + 4 a Cosh[2 x] - 4 c Cosh[2 x] + a Cosh[4 x] + b Cosh[4 x] + c Cosh[4 x]}
                 \sqrt{\left[\frac{1}{2+b+a}\left(2b+4c+\sqrt{2}\sqrt{(2b^2-8ac+a(3a-b+3c+4aCosh[2x]-4cCosh[2x]+aCosh[4x]+bCosh[4x]+bCosh[4x]+bCosh[4x]+bCosh[4x]+bCosh[4x]+bCosh[4x]+bCosh[4x]+bCosh[4x]+bCosh[4x]+bCosh[4x]+bCosh[4x]+bCosh[4x]+bCosh[4x]+bCosh[4x]+bCosh[4x]+bCosh[4x]+bCosh[4x]+bCosh[4x]+bCosh[4x]+bCosh[4x]+bCosh[4x]+bCosh[4x]+bCosh[4x]+bCosh[4x]+bCosh[4x]+bCosh[4x]+bCosh[4x]+bCosh[4x]+bCosh[4x]+bCosh[4x]+bCosh[4x]+bCosh[4x]+bCosh[4x]+bCosh[4x]+bCosh[4x]+bCosh[4x]+bCosh[4x]+bCosh[4x]+bCosh[4x]+bCosh[4x]+bCosh[4x]+bCosh[4x]+bCosh[4x]+bCosh[4x]+bCosh[4x]+bCosh[4x]+bCosh[4x]+bCosh[4x]+bCosh[4x]+bCosh[4x]+bCosh[4x]+bCosh[4x]+bCosh[4x]+bCosh[4x]+bCosh[4x]+bCosh[4x]+bCosh[4x]+bCosh[4x]+bCosh[4x]+bCosh[4x]+bCosh[4x]+bCosh[4x]+bCosh[4x]+bCosh[4x]+bCosh[4x]+bCosh[4x]+bCosh[4x]+bCosh[4x]+bCosh[4x]+bCosh[4x]+bCosh[4x]+bCosh[4x]+bCosh[4x]+bCosh[4x]+bCosh[4x]+bCosh[4x]+bCosh[4x]+bCosh[4x]+bCosh[4x]+bCosh[4x]+bCosh[4x]+bCosh[4x]+bCosh[4x]+bCosh[4x]+bCosh[4x]+bCosh[4x]+bCosh[4x]+bCosh[4x]+bCosh[4x]+bCosh[4x]+bCosh[4x]+bCosh[4x]+bCosh[4x]+bCosh[4x]+bCosh[4x]+bCosh[4x]+bCosh[4x]+bCosh[4x]+bCosh[4x]+bCosh[4x]+bCosh[4x]+bCosh[4x]+bCosh[4x]+bCosh[4x]+bCosh[4x]+bCosh[4x]+bCosh[4x]+bCosh[4x]+bCosh[4x]+bCosh[4x]+bCosh[4x]+bCosh[4x]+bCosh[4x]+bCosh[4x]+bCosh[4x]+bCosh[4x]+bCosh[4x]+bCosh[4x]+bCosh[4x]+bCosh[4x]+bCosh[4x]+bCosh[4x]+bCosh[4x]+bCosh[4x]+bCosh[4x]+bCosh[4x]+bCosh[4x]+bCosh[4x]+bCosh[4x]+bCosh[4x]+bCosh[4x]+bCosh[4x]+bCosh[4x]+bCosh[4x]+bCosh[4x]+bCosh[4x]+bCosh[4x]+bCosh[4x]+bCosh[4x]+bCosh[4x]+bCosh[4x]+bCosh[4x]+bCosh[4x]+bCosh[4x]+bCosh[4x]+bCosh[4x]+bCosh[4x]+bCosh[4x]+bCosh[4x]+bCosh[4x]+bCosh[4x]+bCosh[4x]+bCosh[4x]+bCosh[4x]+bCosh[4x]+bCosh[4x]+bCosh[4x]+bCosh[4x]+bCosh[4x]+bCosh[4x]+bCosh[4x]+bCosh[4x]+bCosh[4x]+bCosh[4x]+bCosh[4x]+bCosh[4x]+bCosh[4x]+bCosh[4x]+bCosh[4x]+bCosh[4x]+bCosh[4x]+bCosh[4x]+bCosh[4x]+bCosh[4x]+bCosh[4x]+bCosh[4x]+bCosh[4x]+bCosh[4x]+bCosh[4x]+bCosh[4x]+bCosh[4x]+bCosh[4x]+bCosh[4x]+bCosh[4x]+bCosh[4x]+bCosh[4x]+bCosh[4x]+bCosh[4x]+bCosh[4x]+bCosh[4x]+bCosh[4x]+bCosh[4x]+bCosh[4x]+bCosh[4x]+bCosh[4x]+bCosh[4x]+bCo
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c \, Cosh[4\,x]) \, + b \, (3\,a - b + 3\,c + 4\,a \, Cosh[2\,x] - 4\,c \, Cosh[2\,x] \, + a \, Cosh[4\,x] \, + b \, Cosh[4\,x] \, + c \, Cosh[4\,x]) \, + c \, Cosh[4\,x] \, + c \,
                                                                                                                                                                  \texttt{c} \; (3 \; \texttt{a} \; - \; \texttt{b} \; + \; \texttt{3} \; \texttt{c} \; + \; \texttt{4} \; \texttt{a} \; \texttt{Cosh}[\; 2 \; \texttt{x}] \; - \; \texttt{4} \; \texttt{c} \; \texttt{Cosh}[\; 2 \; \texttt{x}] \; + \; \texttt{a} \; \texttt{Cosh}[\; 4 \; \texttt{x}] \; + \; \texttt{b} \; \texttt{Cosh}[\; 4 \; \texttt{x}] \; + \; \texttt{c} \; \texttt{Cosh}[\; 4 \; \texttt{x}] \; ) \, \Big)
                                  {\tt ArcTanh} \Big[ \frac{\sqrt{\, {\tt 3\, a-b+3\, c+4\, a\, Cosh[\, 2\, x]\, -4\, c\, Cosh[\, 2\, x]\, +a\, Cosh[\, 4\, x]\, +b\, Cosh[\, 4\, x]\, +b\, Cosh[\, 4\, x]\, +c\, C
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      - ArcTanh
                                                                                             (b+2c)\sqrt{3}a-b+3c+4a Cosh[2x]-4c Cosh[2x]+a Cosh[4x]+b Cosh[4x]+c Cosh[4x]
                                                                                                      2\sqrt{c}\sqrt{(2b^2-8ac+a(3a-b+3c+4aCosh[2x]-4cCosh[2x]+aCosh[4x]+bCosh[4x]+cCosh[4x])}
                                                                                                                                                                                    b(3a-b+3c+4aCosh[2x]-4cCosh[2x]+aCosh[4x]+bCosh[4x]+cCosh[4x])+
                                                                                                                                                                                 c(3a-b+3c+4aCosh[2x]-4cCosh[2x]+aCosh[4x]+bCosh[4x]+cCosh[4x])))
                                                    \frac{1}{\sqrt{a+b+c}} \ 2 \ \text{Log} \left[ 2 \ \left( a \ \sqrt{3 \ a-b+3 \ c+4 \ a \ \text{Cosh}[2 \ x] - 4 \ c \ \text{Cosh}[2 \ x] + a \ \text{Cosh}[4 \ x] + b \ \text{Cosh}[4 \ x] + c \ 
                                                                                                                                                 b\,\sqrt{\,3\,a-b+3\,c+4\,a\,Cosh[\,2\,x\,]\,-4\,c\,Cosh[\,2\,x\,]\,+a\,Cosh[\,4\,x\,]\,+b\,Cosh[\,4\,x\,]\,+c\,Cosh[\,4\,x\,]\,+c\,Cosh[\,4\,x\,]\,+c\,Cosh[\,4\,x\,]\,+c\,Cosh[\,4\,x\,]\,+c\,Cosh[\,4\,x\,]\,+c\,Cosh[\,4\,x\,]\,+c\,Cosh[\,4\,x\,]\,+c\,Cosh[\,4\,x\,]\,+c\,Cosh[\,4\,x\,]\,+c\,Cosh[\,4\,x\,]\,+c\,Cosh[\,4\,x\,]\,+c\,Cosh[\,4\,x\,]\,+c\,Cosh[\,4\,x\,]\,+c\,Cosh[\,4\,x\,]\,+c\,Cosh[\,4\,x\,]\,+c\,Cosh[\,4\,x\,]\,+c\,Cosh[\,4\,x\,]\,+c\,Cosh[\,4\,x\,]\,+c\,Cosh[\,4\,x\,]\,+c\,Cosh[\,4\,x\,]\,+c\,Cosh[\,4\,x\,]\,+c\,Cosh[\,4\,x\,]\,+c\,Cosh[\,4\,x\,]\,+c\,Cosh[\,4\,x\,]\,+c\,Cosh[\,4\,x\,]\,+c\,Cosh[\,4\,x\,]\,+c\,Cosh[\,4\,x\,]\,+c\,Cosh[\,4\,x\,]\,+c\,Cosh[\,4\,x\,]\,+c\,Cosh[\,4\,x\,]\,+c\,Cosh[\,4\,x\,]\,+c\,Cosh[\,4\,x\,]\,+c\,Cosh[\,4\,x\,]\,+c\,Cosh[\,4\,x\,]\,+c\,Cosh[\,4\,x\,]\,+c\,Cosh[\,4\,x\,]\,+c\,Cosh[\,4\,x\,]\,+c\,Cosh[\,4\,x\,]\,+c\,Cosh[\,4\,x\,]\,+c\,Cosh[\,4\,x\,]\,+c\,Cosh[\,4\,x\,]\,+c\,Cosh[\,4\,x\,]\,+c\,Cosh[\,4\,x\,]\,+c\,Cosh[\,4\,x\,]\,+c\,Cosh[\,4\,x\,]\,+c\,Cosh[\,4\,x\,]\,+c\,Cosh[\,4\,x\,]\,+c\,Cosh[\,4\,x\,]\,+c\,Cosh[\,4\,x\,]\,+c\,Cosh[\,4\,x\,]\,+c\,Cosh[\,4\,x\,]\,+c\,Cosh[\,4\,x\,]\,+c\,Cosh[\,4\,x\,]\,+c\,Cosh[\,4\,x\,]\,+c\,Cosh[\,4\,x\,]\,+c\,Cosh[\,4\,x\,]\,+c\,Cosh[\,4\,x\,]\,+c\,Cosh[\,4\,x\,]\,+c\,Cosh[\,4\,x\,]\,+c\,Cosh[\,4\,x\,]\,+c\,Cosh[\,4\,x\,]\,+c\,Cosh[\,4\,x\,]\,+c\,Cosh[\,4\,x\,]\,+c\,Cosh[\,4\,x\,]\,+c\,Cosh[\,4\,x\,]\,+c\,Cosh[\,4\,x\,]\,+c\,Cosh[\,4\,x\,]\,+c\,Cosh[\,4\,x\,]\,+c\,Cosh[\,4\,x\,]\,+c\,Cosh[\,4\,x\,]\,+c\,Cosh[\,4\,x\,]\,+c\,Cosh[\,4\,x\,]\,+c\,Cosh[\,4\,x\,]\,+c\,Cosh[\,4\,x\,]\,+c\,Cosh[\,4\,x\,]\,+c\,Cosh[\,4\,x\,]\,+c\,Cosh[\,4\,x\,]\,+c\,Cosh[\,4\,x\,]\,+c\,Cosh[\,4\,x\,]\,+c\,Cosh[\,4\,x\,]\,+c\,Cosh[\,4\,x\,]\,+c\,Cosh[\,4\,x\,]\,+c\,Cosh[\,4\,x\,]\,+c\,Cosh[\,4\,x\,]\,+c\,Cosh[\,4\,x\,]\,+c\,Cosh[\,4\,x\,]\,+c\,Cosh[\,4\,x\,]\,+c\,Cosh[\,4\,x\,]\,+c\,Cosh[\,4\,x\,]\,+c\,Cosh[\,4\,x\,]\,+c\,Cosh[\,4\,x\,]\,+c\,Cosh[\,4\,x\,]\,+c\,Cosh[\,4\,x\,]\,+c\,Cosh[\,4\,x\,]\,+c\,Cosh[\,4\,x\,]\,+c\,Cosh[\,4\,x\,]\,+c\,Cosh[\,4\,x\,]\,+c\,Cosh[\,4\,x\,]\,+c\,Cosh[\,4\,x\,]\,+c\,Cosh[\,4\,x\,]\,+c\,Cosh[\,4\,x\,]\,+c\,Cosh[\,4\,x\,]\,+c\,Cosh[\,4\,x\,]\,+c\,Cosh[\,4\,x\,]\,+c\,Cosh[\,4\,x\,]\,+c\,Cosh[\,4\,x\,]\,+c\,Cosh[\,4\,x\,]\,+c\,Cosh[\,4\,x\,]\,+c\,Cosh[\,4\,x\,]\,+c\,Cosh[\,4\,x\,]\,+c\,Cosh[\,4\,x\,]\,+c\,Cosh[\,4\,x\,]\,+c\,Cosh[\,4\,x\,]\,+c\,Cosh[\,4\,x\,]\,+c\,Cosh[\,4\,x\,]\,+c\,Cosh[\,4\,x\,]\,+c\,Cosh[\,4\,x\,]\,+c\,Cosh[\,4\,x\,]\,+c\,Cosh[\,4\,x\,]\,+c\,Cosh[\,4\,x\,]\,+c\,Cosh[\,4\,x\,]\,+c\,Cosh[\,4\,x\,]\,+c\,Cosh[\,4\,x\,]\,+c\,Cosh[\,4\,x\,]\,+c\,Cosh[\,4\,x\,]\,+c\,Cosh[\,4\,x\,]\,+c\,Cosh[\,4\,x\,]\,+c\,Cosh[\,4\,x\,]\,+c\,Cosh[\,4\,x\,]\,+c\,Cosh[\,4\,x\,]\,+c\,Cosh[\,4\,x\,]\,+
                                                                                                                                                                    \sqrt{3} a - b + 3 c + 4 a Cosh[2x] - 4 c Cosh[2x] + a Cosh[4x] + b Cosh[4x] + c Cosh[4x] + \sqrt{a+b+c}
                                                                                                                                                                    \sqrt{(2b^2 - 8ac + a(3a - b + 3c + 4aCosh[2x] - 4cCosh[2x] + aCosh[4x] + bCosh[4x] + cCosh[4x])} + cCosh[4x] + cCos
                                                                                                                                                                                                                  \texttt{b} \; (3 \; \texttt{a} \; - \; \texttt{b} \; + \; \texttt{3} \; \texttt{c} \; + \; \texttt{4} \; \texttt{a} \; \texttt{Cosh} [\; 2 \; \texttt{x}\;] \; - \; \texttt{4} \; \texttt{c} \; \texttt{Cosh} [\; 2 \; \texttt{x}\;] \; + \; \texttt{a} \; \texttt{Cosh} [\; 4 \; \texttt{x}\;] \; + \; \texttt{b} \; \texttt{Cosh} [\; 4 \; \texttt{x}\;] \; + \; \texttt{c} \; \texttt{Cosh} [\; 4 \; \texttt{x}\;] \; ) \; + \; \texttt{c} \; \texttt{cosh} [\; 4 \; \texttt{x}\;] \; + \; \texttt{c} \; \texttt{cosh} [\; 4 \; \texttt{x}\;] \; ) \; + \; \texttt{c} \; \texttt{cosh} [\; 4 \; \texttt{x}\;] \; + \; \texttt{c} \; \texttt{cosh} [\; 4 \; \texttt{x}\;] \; + \; \texttt{c} \; \texttt{cosh} [\; 4 \; \texttt{x}\;] \; ) \; + \; \texttt{c} \; \texttt{cosh} [\; 4 \; \texttt{x}\;] \; + \; \texttt{c} \; \texttt{cosh} [\; 4 \; \texttt{x}\;] \; ) \; + \; \texttt{c} \; \texttt{cosh} [\; 4 \; \texttt{x}\;] \; + \; \texttt{c} \; \texttt{cosh} [\; 4 \; \texttt{x}\;] \; ) \; + \; \texttt{c} \; \texttt{cosh} [\; 4 \; \texttt{x}\;] \; ) \; + \; \texttt{c} \; \texttt{cosh} [\; 4 \; \texttt{x}\;] \; + \; \texttt{c} \; \texttt{cosh} [\; 4 \; \texttt{x}\;] \; ) \; + \; \texttt{c} \; \texttt{cosh} [\; 4 \; \texttt{x}\;] \; ) \; + \; \texttt{c} \; \texttt{cosh} [\; 4 \; \texttt{x}\;] \; ) \; + \; \texttt{c} \; \texttt{cosh} [\; 4 \; \texttt{x}\;] \; ) \; + \; \texttt{c} \; \texttt{cosh} [\; 4 \; \texttt{x}\;] \; ) \; + \; \texttt{c} \; \texttt{cosh} [\; 4 \; \texttt{x}\;] \; ) \; + \; \texttt{c} \; \texttt{cosh} [\; 4 \; \texttt{x}\;] \; ) \; + \; \texttt{c} \; \texttt{cosh} [\; 4 \; \texttt{x}\;] \; ) \; + \; \texttt{c} \; \texttt{cosh} [\; 4 \; \texttt{x}\;] \; ) \; + \; \texttt{c} \; \texttt{cosh} [\; 4 \; \texttt{x}\;] \; ) \; + \; \texttt{c} \; \texttt{cosh} [\; 4 \; \texttt{x}\;] \; ) \; + \; \texttt{c} \; \texttt{cosh} [\; 4 \; \texttt{x}\;] \; ) \; + \; \texttt{c} \; \texttt{cosh} [\; 4 \; \texttt{x}\;] \; ) \; + \; \texttt{c} \; \texttt{cosh} [\; 4 \; \texttt{x}\;] \; ) \; + \; \texttt{c} \; \texttt{cosh} [\; 4 \; \texttt{x}\;] \; ) \; + \; \texttt{c} \; \texttt{cosh} [\; 4 \; \texttt{x}\;] \; ) \; + \; \texttt{c} \; \texttt{cosh} [\; 4 \; \texttt{x}\;] \; ) \; + \; \texttt{c} \; \texttt{cosh} [\; 4 \; \texttt{x}\;] \; ) \; + \; \texttt{c} \; \texttt{cosh} [\; 4 \; \texttt{x}\;] \; ) \; + \; \texttt{c} \; \texttt{cosh} [\; 4 \; \texttt{x}\;] \; ) \; + \; \texttt{c} \; \texttt{cosh} [\; 4 \; \texttt{x}\;] \; ) \; + \; \texttt{c} \; \texttt{cosh} [\; 4 \; \texttt{x}\;] \; + \; \texttt{c} \; \texttt{cosh} [\; 4 \; \texttt{x}\;] \; ) \; + \; \texttt{c} \; \texttt{cosh} [\; 4 \; \texttt{x}\;] \; + \; \texttt{c} \; \texttt{cosh} [\; 4 \; \texttt{x}\;] \; + \; \texttt{c} \; \texttt{cosh} [\; 4 \; \texttt{x}\;] \; ) \; + \; \texttt{c} \; \texttt{cosh} [\; 4 \; \texttt{x}\;] \; + \; \texttt{c} \; \texttt{cosh} [\; 4 \; \texttt{x}\;] \; + \; \texttt{c} \; \texttt{cosh} [\; 4 \; \texttt{x}\;] \; + \; \texttt{c} \; \texttt{cosh} [\; 4 \; \texttt{x}\;] \; + \; \texttt{c} \; \texttt{cosh} [\; 4 \; \texttt{x}\;] \; + \; \texttt{c} \; \texttt{cosh} [\; 4 \; \texttt{x}\;] \; + \; \texttt{c} \; \texttt{cosh} [\; 4 \; \texttt{x}\;] \; + \; \texttt{c} \; \texttt{cosh} [\; 4 \; \texttt{x}\;] \; + \; \texttt{c} \; \texttt{cosh} [\; 4 \; \texttt{x}\;] \; + \; \texttt{c} \; \texttt{cosh} [\; 4 \; \texttt{x}\;] \; + \; \texttt{c} \; \texttt{cosh} [\; 4 \; \texttt{x}\;] \; + \; \texttt{c} \;
                                                                                                                                                                                                                  \texttt{c} \left( 3 \texttt{a} - \texttt{b} + 3 \texttt{c} + 4 \texttt{a} \texttt{Cosh}[2 \texttt{x}] - 4 \texttt{c} \texttt{Cosh}[2 \texttt{x}] + \texttt{a} \texttt{Cosh}[4 \texttt{x}] + \texttt{b} \texttt{Cosh}[4 \texttt{x}] + \texttt{c} \texttt{Cosh}[4 \texttt{x}] \right) \right) \right] \\ | \texttt{Sech}[\texttt{x}]^2 
                                                                                                                                                                                                                                                                        b \operatorname{Sech}[x]^2 \operatorname{Sinh}[2x]
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            c Sech[x]^2 Sinh[2x]
                                         \sqrt{3 a - b + 3 c + 4 (a - c) \cosh[2 x] + (a + b + c) \cosh[4 x]}
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           \sqrt{3 a - b + 3 c + 4 (a - c) \cosh[2 x] + (a + b + c) \cosh[4 x]}
                                                                                                                                                                                                                          c Cosh[2x] Sech[x]^2 Sinh[2x]
                                                           \sqrt{3 a - b + 3 c + 4 (a - c) \cosh[2 x] + (a + b + c) \cosh[4 x]}
                      (4 \text{ a Sinh}[2 \text{ x}] - 4 \text{ c Sinh}[2 \text{ x}] + 2 \text{ a Sinh}[4 \text{ x}] + 2 \text{ b Sinh}[4 \text{ x}] + 2 \text{ c Sinh}[4 \text{ x}])
                    Tanh[x]
16 \; (b-c+c \; Cosh[2 \; x]) \; \sqrt{3} \; a-b+3 \; c+4 \; a \; Cosh[2 \; x] - 4 \; c \; Cosh[2 \; x] + a \; Cosh[4 \; x] + b \; Cosh[4 \; x] + c \; Cosh[4
                    \sqrt{(2b^2 - 8ac + a(3a - b + 3c + 4aCosh[2x] - 4cCosh[2x] + aCosh[4x] + bCosh[4x] + cCosh[4x])} + cCosh[4x]
                                                                \texttt{b} \; ( \; 3 \; \texttt{a} \; - \; \texttt{b} \; + \; 3 \; \texttt{c} \; + \; 4 \; \texttt{a} \; \texttt{Cosh}[ \; 2 \; \texttt{x} ] \; - \; 4 \; \texttt{c} \; \texttt{Cosh}[ \; 2 \; \texttt{x} ] \; + \; \texttt{a} \; \texttt{Cosh}[ \; 4 \; \texttt{x} ] \; + \; \texttt{b} \; \texttt{Cosh}[ \; 4 \; \texttt{x} ] \; + \; \texttt{c} \; \texttt{Cosh}[ \; 4 \; \texttt{x} ] \; ) \; + \; \texttt{cosh}[ \; 4 \; \texttt{x} ] \; + \; \texttt{cosh}[ \; 4 \; \texttt{x} ] \; + \; \texttt{cosh}[ \; 4 \; \texttt{x} ] \; ) \; + \; \texttt{cosh}[ \; 4 \; \texttt{x} ] \; + \; \texttt{cosh}[ \; 4 \; \texttt{x} ] \; + \; \texttt{cosh}[ \; 4 \; \texttt{x} ] \; + \; \texttt{cosh}[ \; 4 \; \texttt{x} ] \; + \; \texttt{cosh}[ \; 4 \; \texttt{x} ] \; + \; \texttt{cosh}[ \; 4 \; \texttt{x} ] \; + \; \texttt{cosh}[ \; 4 \; \texttt{x} ] \; + \; \texttt{cosh}[ \; 4 \; \texttt{x} ] \; + \; \texttt{cosh}[ \; 4 \; \texttt{x} ] \; + \; \texttt{cosh}[ \; 4 \; \texttt{x} ] \; + \; \texttt{cosh}[ \; 4 \; \texttt{x} ] \; + \; \texttt{cosh}[ \; 4 \; \texttt{x} ] \; + \; \texttt{cosh}[ \; 4 \; \texttt{x} ] \; + \; \texttt{cosh}[ \; 4 \; \texttt{x} ] \; + \; \texttt{cosh}[ \; 4 \; \texttt{x} ] \; + \; \texttt{cosh}[ \; 4 \; \texttt{x} ] \; + \; \texttt{cosh}[ \; 4 \; \texttt{x} ] \; + \; \texttt{cosh}[ \; 4 \; \texttt{x} ] \; + \; \texttt{cosh}[ \; 4 \; \texttt{x} ] \; + \; \texttt{cosh}[ \; 4 \; \texttt{x} ] \; + \; \texttt{cosh}[ \; 4 \; \texttt{x} ] \; + \; \texttt{cosh}[ \; 4 \; \texttt{x} ] \; + \; \texttt{cosh}[ \; 4 \; \texttt{x} ] \; + \; \texttt{cosh}[ \; 4 \; \texttt{x} ] \; + \; \texttt{cosh}[ \; 4 \; \texttt{x} ] \; + \; \texttt{cosh}[ \; 4 \; \texttt{x} ] \; + \; \texttt{cosh}[ \; 4 \; \texttt{x} ] \; + \; \texttt{cosh}[ \; 4 \; \texttt{x} ] \; + \; \texttt{cosh}[ \; 4 \; \texttt{x} ] \; + \; \texttt{cosh}[ \; 4 \; \texttt{x} ] \; + \; \texttt{cosh}[ \; 4 \; \texttt{x} ] \; + \; \texttt{cosh}[ \; 4 \; \texttt{x} ] \; + \; \texttt{cosh}[ \; 4 \; \texttt{x} ] \; + \; \texttt{cosh}[ \; 4 \; \texttt{x} ] \; + \; \texttt{cosh}[ \; 4 \; \texttt{x} ] \; + \; \texttt{cosh}[ \; 4 \; \texttt{x} ] \; + \; \texttt{cosh}[ \; 4 \; \texttt{x} ] \; + \; \texttt{cosh}[ \; 4 \; \texttt{x} ] \; + \; \texttt{cosh}[ \; 4 \; \texttt{x} ] \; + \; \texttt{cosh}[ \; 4 \; \texttt{x} ] \; + \; \texttt{cosh}[ \; 4 \; \texttt{x} ] \; + \; \texttt{cosh}[ \; 4 \; \texttt{x} ] \; + \; \texttt{cosh}[ \; 4 \; \texttt{x} ] \; + \; \texttt{cosh}[ \; 4 \; \texttt{x} ] \; + \; \texttt{cosh}[ \; 4 \; \texttt{x} ] \; + \; \texttt{cosh}[ \; 4 \; \texttt{x} ] \; + \; \texttt{cosh}[ \; 4 \; \texttt{x} ] \; + \; \texttt{cosh}[ \; 4 \; \texttt{x} ] \; + \; \texttt{cosh}[ \; 4 \; \texttt{x} ] \; + \; \texttt{cosh}[ \; 4 \; \texttt{x} ] \; + \; \texttt{cosh}[ \; 4 \; \texttt{x} ] \; + \; \texttt{cosh}[ \; 4 \; \texttt{x} ] \; + \; \texttt{cosh}[ \; 4 \; \texttt{x} ] \; + \; \texttt{cosh}[ \; 4 \; \texttt{x} ] \; + \; \texttt{cosh}[ \; 4 \; \texttt{x} ] \; + \; \texttt{cosh}[ \; 4 \; \texttt{x} ] \; + \; \texttt{cosh}[ \; 4 \; \texttt{x} ] \; + \; \texttt{cosh}[ \; 4 \; \texttt{x} ] \; + \; \texttt{cosh}[ \; 4 \; \texttt{x} ] \; + \; \texttt{cosh}[ \; 4 \; \texttt{x} ] \; + \; \texttt{cosh}[ \; 4 \; \texttt{x} ] \; + \; \texttt{cosh}[
                                                                    c(3a-b+3c+4aCosh[2x]-4cCosh[2x]+aCosh[4x]+bCosh[4x]+cCosh[4x])
                                                                      \frac{1}{a+b+c} \left[ -4 \, a - 2 \, b + \sqrt{2} \, \sqrt{\left(2 \, b^2 - 8 \, a \, c + a \, \left(3 \, a - b + 3 \, c + 4 \, a \, \text{Cosh} \left[2 \, x\right] - 4 \, c \, \text{Cosh} \left[2 \, x\right] + a \, \text{Cosh} \left[4 \, x\right] + b \, \text{Cosh} \left[4 \, x\right] + b
```

```
\texttt{c} \; \texttt{Cosh[4\,x])} \; + \; \texttt{b} \; (3 \; \texttt{a} \; - \; \texttt{b} \; + \; 3 \; \texttt{c} \; + \; 4 \; \texttt{a} \; \texttt{Cosh[2\,x]} \; - \; 4 \; \texttt{c} \; \texttt{Cosh[4\,x]} \; + \; \texttt{a} \; \texttt{Cosh[4\,x]} \; + \; \texttt{b} \; \texttt{Cosh[4\,x]} \; + \; \texttt{c} \; \texttt{Cosh[4\,x]}) \; + \; \texttt{c} \; \texttt{cosh[4\,x]} \; + \; \texttt{c} \; \texttt{cosh[4\,x]} \; + \; \texttt{cosh[4\,x
                                                                                                                                     c (3 a - b + 3 c + 4 a Cosh[2 x] - 4 c Cosh[2 x] + a Cosh[4 x] + b Cosh[4 x] + c Cosh[4 x]))
                        \left(-2\,a + 2\,c + \sqrt{2}\,\,\sqrt{\left(2\,b^2 - 8\,a\,c + a\,\left(3\,a - b + 3\,c + 4\,a\,Cosh[2\,x] - 4\,c\,Cosh[2\,x] + a\,Cosh[4\,x] + b\,Cosh[4\,x] + c\,Cosh[4\,x]\right) + a\,Cosh[4\,x] + b\,Cosh[4\,x] + b\,Cosh[4\,x] + c\,Cosh[4\,x]\right) + a\,Cosh[4\,x] + b\,Cosh[4\,x] + b
                                                                                                 b (3 a - b + 3 c + 4 a Cosh[2 x] - 4 c Cosh[2 x] + a Cosh[4 x] + b Cosh[4 x] + c Cosh[4 x]) +
                                                                                                c(3a-b+3c+4aCosh[2x]-4cCosh[2x]+aCosh[4x]+bCosh[4x]+cCosh[4x]))
                     \sqrt{\left[-1 + \frac{1}{2(a+b+c)} \left(-2a+2c+\sqrt{2}\sqrt{2b^2-8ac+a(3a-b+3c+4aCosh[2x]-4cCosh[2x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCos
                                                                                                                                                                                         b \, Cosh[4\,x] \, + c \, Cosh[4\,x] \, ) \, + b \, (3\,a - b + 3\,c + 4\,a \, Cosh[2\,x] \, - 4\,c \, Cosh[2\,x] \, + a \, Cosh[4\,x] \, + b \, Cosh[4\,x] \, +
                                                                                                                                                                                       c \cosh[4x] + c (3a - b + 3c + 4a \cosh[2x] - 4c \cosh[2x] + a \cosh[4x] + b \cosh[4x] + c \cosh[4x])
                     \sqrt{\left[1 + \frac{1}{2(a+b+c)} \left(-2a+2c+\sqrt{2}\sqrt{2b^2-8ac+a(3a-b+3c+4a\cosh[2x]-4c\cosh[2x]+a\cosh[4x]+a\cosh[4x]+a\cosh[4x]+a\cosh[4x]+a\cosh[4x]+a\cosh[4x]+a\cosh[4x]+a\cosh[4x]+a\cosh[4x]+a\cosh[4x]+a\cosh[4x]+a\cosh[4x]+a\cosh[4x]+a\cosh[4x]+a\cosh[4x]+a\cosh[4x]+a\cosh[4x]+a\cosh[4x]+a\cosh[4x]+a\cosh[4x]+a\cosh[4x]+a\cosh[4x]+a\cosh[4x]+a\cosh[4x]+a\cosh[4x]+ahandah
                                                                                                                                                                                       b \, Cosh[\, 4 \, x] \, + c \, Cosh[\, 4 \, x]\,) \, + b \, (3 \, a - b + 3 \, c + 4 \, a \, Cosh[\, 2 \, x] \, - \, 4 \, c \, Cosh[\, 2 \, x] \, + a \, Cosh[\, 4 \, x] \, + b \, C
                                                                                                                                                                                        \verb| c Cosh[4x] | + c (3a - b + 3c + 4a Cosh[2x] - 4c Cosh[2x] + a Cosh[4x] + b Cosh[4x] + c Cosh[4x] | + c Co
                       \sqrt{\,(3\,a-b+3\,c+4\,\,(a-c)\,\,Cosh\,[\,2\,x\,]\,+\,(a+b+c)\,\,Cosh\,[\,4\,x\,]\,\,)\,\,Sech\,[\,x\,]^{\,4}\,}\,\,-\,\,\left|\,\,(b-c)\,\,\,(1+Cosh\,[\,2\,x\,]\,\,)\,\,Sech\,[\,x\,]^{\,4}\,\,\right|\,\,.
                                                 3 a - b + 3 c + (4 a - 4 c) Cosh[2x] + (a + b + c) Cosh[4x]
                                                                                                                                                                                                                                  (1 + Cosh[2x])^2
                        (3 a - b + 3 c + 4 (a - c) Cosh[2x] + (a + b + c) Cosh[4x])
                       Log[b+2cTanh[x]^2+2\sqrt{c}\sqrt{a+bTanh[x]^2+cTanh[x]^4}]
                       Sech[x]
                                                                                                                                                                                                                   b \operatorname{Sech}[x]^2 \operatorname{Sinh}[2x]
                                     \sqrt{3 a - b + 3 c + 4 (a - c) \cosh[2 x] + (a + b + c) \cosh[4 x]}
                                                                                                                                                                                                                                   c Sech[x]^2 Sinh[2x]
                                                   \sqrt{3 a - b + 3 c + 4 (a - c) \cosh[2 x] + (a + b + c) \cosh[4 x]}
                                                                                                                                                                                  c Cosh[2x] Sech[x]^2 Sinh[2x]
                                                   \sqrt{3 a - b + 3 c + 4 (a - c) \cosh[2 x] + (a + b + c) \cosh[4 x]}
                        (Sech[x]^{4}(8(a-c)Sinh[2x]+4(a+b+c)Sinh[4x])-
                                              4 \; \left( \; 3 \; a \; - \; b \; + \; 3 \; c \; + \; 4 \; \left( \; a \; - \; c \; \right) \; \\ \mathsf{Cosh}\left[ \; 2 \; x \; \right] \; + \; \left( \; a \; + \; b \; + \; c \; \right) \; \\ \mathsf{Cosh}\left[ \; 4 \; x \; \right] \; \right) \; \\ \mathsf{Sech}\left[ \; x \; \right]^{\; 4} \; \\ \mathsf{Tanh}\left[ \; x \; \right] \; \right) \; \\ \mathsf{Tanh}\left[ \; x \; \right] \; \left( \; a \; + \; b \; + \; c \; \right) \; \\ \mathsf{Tanh}\left[ \; x \; \right] \; \left( \; a \; + \; b \; + \; c \; \right) \; \\ \mathsf{Tanh}\left[ \; x \; \right] \; \left( \; a \; + \; b \; + \; c \; \right) \; \\ \mathsf{Tanh}\left[ \; x \; \right] \; \left( \; a \; + \; b \; + \; c \; \right) \; \\ \mathsf{Tanh}\left[ \; x \; \right] \; \left( \; a \; + \; b \; + \; c \; \right) \; \\ \mathsf{Tanh}\left[ \; x \; \right] \; \left( \; a \; + \; b \; + \; c \; \right) \; \\ \mathsf{Tanh}\left[ \; x \; \right] \; \left( \; a \; + \; b \; + \; c \; \right) \; \\ \mathsf{Tanh}\left[ \; x \; \right] \; \left( \; a \; + \; b \; + \; c \; \right) \; \\ \mathsf{Tanh}\left[ \; x \; \right] \; \left( \; a \; + \; b \; + \; c \; \right) \; \\ \mathsf{Tanh}\left[ \; x \; \right] \; \left( \; a \; + \; b \; + \; c \; \right) \; \\ \mathsf{Tanh}\left[ \; x \; \right] \; \left( \; a \; + \; b \; + \; c \; \right) \; \\ \mathsf{Tanh}\left[ \; x \; \right] \; \left( \; a \; + \; b \; + \; c \; \right) \; \\ \mathsf{Tanh}\left[ \; x \; \right] \; \left( \; a \; + \; b \; + \; c \; \right) \; \\ \mathsf{Tanh}\left[ \; x \; \right] \; \left( \; a \; + \; b \; + \; c \; \right) \; \\ \mathsf{Tanh}\left[ \; x \; \right] \; \left( \; a \; + \; b \; + \; c \; \right) \; \\ \mathsf{Tanh}\left[ \; x \; \right] \; \left( \; a \; + \; b \; + \; c \; \right) \; \\ \mathsf{Tanh}\left[ \; x \; \right] \; \left( \; a \; + \; b \; + \; c \; \right) \; \\ \mathsf{Tanh}\left[ \; x \; \right] \; \left( \; a \; + \; b \; + \; c \; \right) \; \\ \mathsf{Tanh}\left[ \; x \; \right] \; \left( \; a \; + \; b \; + \; c \; \right) \; \\ \mathsf{Tanh}\left[ \; x \; \right] \; \left( \; a \; + \; b \; + \; c \; \right) \; \\ \mathsf{Tanh}\left[ \; x \; \right] \; \left( \; a \; + \; b \; + \; c \; \right) \; \\ \mathsf{Tanh}\left[ \; x \; \right] \; \left( \; a \; + \; b \; + \; c \; \right) \; \\ \mathsf{Tanh}\left[ \; x \; \right] \; \left( \; a \; + \; b \; + \; c \; \right) \; \\ \mathsf{Tanh}\left[ \; x \; \right] \; \left( \; a \; + \; b \; + \; c \; \right) \; \\ \mathsf{Tanh}\left[ \; x \; \right] \; \left( \; a \; + \; b \; + \; c \; \right) \; \\ \mathsf{Tanh}\left[ \; x \; + \; c \; + \; c \; + \; c \; \right] \; \\ \mathsf{Tanh}\left[ \; x \; + \; c \; + \; c \; + \; c \; + \; c \; \right] \; \\ \mathsf{Tanh}\left[ \; x \; + \; c \; \right] \; \\ \mathsf{Tanh}\left[ \; x \; + \; c \; \right] \; \\ \mathsf{Tanh}\left[ \; x \; + \; c \; \right] \; \\ \mathsf{Tanh}\left[ \; x \; + \; c \; \right] \; \\ \mathsf{Tanh}\left[ \; x \; + \; c \; \right] \; \\ \mathsf{Tanh}\left[ \; x \; + \; c \; \right] \; 
\left(16\,\sqrt{2}\,\,\sqrt{c}\,\,\left(b-c+c\,\text{Cosh}\,[\,2\,\,x]\,\right)\,\sqrt{3\,\,a-b+3\,\,c+\,\left(4\,\,a-4\,\,c\right)\,\,\text{Cosh}\,[\,2\,\,x]\,+\,\left(a+b+c\right)\,\,\text{Cosh}\,[\,4\,\,x]}\right)
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c \, Cosh[2 \, x] \, (3 \, a - b + 3 \, c + 4 \, (a - c) \, Cosh[2 \, x] + (a + b + c) \, Cosh[4 \, x])
                        \left(2\,a\,\sqrt{3\,a-b+3\,c+4\,a\,Cosh[2\,x]-4\,c\,Cosh[2\,x]+a\,Cosh[4\,x]+b\,Cosh[4\,x]+c\,Cosh[4\,x]}\right. + \left(2\,a\,\sqrt{3\,a-b+3\,c+4\,a\,Cosh[2\,x]-4\,c\,Cosh[2\,x]}\right) + \left(2\,a\,\sqrt{3\,a-b+3\,c+4\,a\,Cosh[2\,x]-4\,c\,Cosh[2\,x]}\right) + \left(2\,a\,\sqrt{3\,a-b+3\,c+4\,a\,Cosh[2\,x]-4\,c\,Cosh[2\,x]}\right) + \left(2\,a\,\sqrt{3\,a-b+3\,c+4\,a\,Cosh[2\,x]-4\,c\,Cosh[2\,x]}\right) + \left(2\,a\,\sqrt{3\,a-b+3\,c+4\,a\,Cosh[2\,x]-4\,c\,Cosh[2\,x]}\right) + \left(2\,a\,\sqrt{3\,a-b+3\,c+4\,a\,Cosh[2\,x]-4\,c\,Cosh[2\,x]-4\,c\,Cosh[2\,x]-4\,c\,Cosh[2\,x]-4\,c\,Cosh[2\,x]-4\,c\,Cosh[2\,x]-4\,c\,Cosh[2\,x]-4\,c\,Cosh[2\,x]-4\,c\,Cosh[2\,x]-4\,c\,Cosh[2\,x]-4\,c\,Cosh[2\,x]-4\,c\,Cosh[2\,x]-4\,c\,Cosh[2\,x]-4\,c\,Cosh[2\,x]-4\,c\,Cosh[2\,x]-4\,c\,Cosh[2\,x]-4\,c\,Cosh[2\,x]-4\,c\,Cosh[2\,x]-4\,c\,Cosh[2\,x]-4\,c\,Cosh[2\,x]-4\,c\,Cosh[2\,x]-4\,c\,Cosh[2\,x]-4\,c\,Cosh[2\,x]-4\,c\,Cosh[2\,x]-4\,c\,Cosh[2\,x]-4\,c\,Cosh[2\,x]-4\,c\,Cosh[2\,x]-4\,c\,Cosh[2\,x]-4\,c\,Cosh[2\,x]-4\,c\,Cosh[2\,x]-4\,c\,Cosh[2\,x]-4\,c\,Cosh[2\,x]-4\,c\,Cosh[2\,x]-4\,c\,Cosh[2\,x]-4\,c\,Cosh[2\,x]-4\,c\,Cosh[2\,x]-4\,c\,Cosh[2\,x]-4\,c\,Cosh[2\,x]-4\,c\,Cosh[2\,x]-4\,c\,Cosh[2\,x]-4\,c\,Cosh[2\,x]-4\,c\,Cosh[2\,x]-4\,c\,Cosh[2\,x]-4\,c\,Cosh[2\,x]-4\,c\,Cosh[2\,x]-4\,c\,Cosh[2\,x]-4\,c\,Cosh[2\,x]-4\,c\,Cosh[2\,x]-4\,c\,Cosh[2\,x]-4\,c\,Cosh[2\,x]-4\,c\,Cosh[2\,x]-4\,c\,Cosh[2\,x]-4\,c\,Cosh[2\,x]-4\,c\,Cosh[2\,x]-4\,c\,Cosh[2\,x]-4\,c\,Cosh[2\,x]-4\,c\,Cosh[2\,x]-4\,c\,Cosh[2\,x]-4\,c\,Cosh[2\,x]-4\,c\,Cosh[2\,x]-4\,c\,Cosh[2\,x]-4\,c\,Cosh[2\,x]-4\,c\,Cosh[2\,x]-4\,c\,Cosh[2\,x]-4\,c\,Cosh[2\,x]-4\,c\,Cosh[2\,x]-4\,c\,Cosh[2\,x]-4\,c\,Cosh[2\,x]-4\,c\,Cosh[2\,x]-4\,c\,Cosh[2\,x]-4\,c\,Cosh[2\,x]-4\,c\,Cosh[2\,x]-4\,c\,Cosh[2\,x]-4\,c\,Cosh[2\,x]-4\,c\,Cosh[2\,x]-4\,c\,Cosh[2\,x]-4\,c\,Cosh[2\,x]-4\,c\,Cosh[2\,x]-4\,c\,Cosh[2\,x]-4\,c\,Cosh[2\,x]-4\,c\,Cosh[2\,x]-4\,c\,Cosh[2\,x]-4\,c\,Cosh[2\,x]-4\,c\,Cosh[2\,x]-4\,c\,Cosh[2\,x]-4\,c\,Cosh[2\,x]-4\,c\,Cosh[2\,x]-4\,c\,Cosh[2\,x]-4\,c\,Cosh[2\,x]-4\,c\,Cosh[2\,x]-4\,c\,Cosh[2\,x]-4\,c\,Cosh[2\,x]-4\,c\,Cosh[2\,x]-4\,c\,Cosh[2\,x]-4\,c\,Cosh[2\,x]-4\,c\,Cosh[2\,x]-4\,c\,Cosh[2\,x]-4\,c\,Cosh[2\,x]-4\,c\,Cosh[2\,x]-4\,c\,Cosh[2\,x]-4\,c\,Cosh[2\,x]-4\,c\,Cosh[2\,x]-4\,c\,Cosh[2\,x]-4\,c\,Cosh[2\,x]-4\,c\,Cosh[2\,x]-4\,c\,Cosh[2\,x]-4\,c\,Cosh[2\,x]-4\,c\,Cosh[2\,x]-4\,c\,Cosh[2\,x]-4\,c\,Cosh[2\,x]-4\,c\,Cosh[2\,x]-4\,c\,Cosh[2\,x]-4\,c\,Cosh[2\,x]-4\,c\,Cosh[2\,x]-4\,c\,Cosh[2\,x]-4\,c\,Cosh[2\,x]-4\,c\,Cosh[2\,x]-4\,c\,Cosh[2\,x]-4\,c\,Cosh[2\,x]-4\,c\,Cosh[2\,x]-4\,c\,
                                          2 b \sqrt{3 a - b + 3 c + 4 a \cosh[2 x] - 4 c \cosh[2 x] + a \cosh[4 x] + b \cosh[4 x] + c \cosh[4 x]}
                                          2 c \sqrt{3 a - b + 3 c + 4 a Cosh[2 x] - 4 c Cosh[2 x] + a Cosh[4 x] + b Cosh[4 x] + c Cosh[4 x]}
                     \sqrt{\left[\frac{1}{2+b+a}\left(2b+4c+\sqrt{2}\sqrt{2b^2-8ac+a(3a-b+3c+4aCosh[2x]-4cCosh[2x]+aCosh[4x]+bCosh[4x]+bCosh[4x]+bCosh[4x]+bCosh[4x]+bCosh[4x]+bCosh[4x]+bCosh[4x]+bCosh[4x]+bCosh[4x]+bCosh[4x]+bCosh[4x]+bCosh[4x]+bCosh[4x]+bCosh[4x]+bCosh[4x]+bCosh[4x]+bCosh[4x]+bCosh[4x]+bCosh[4x]+bCosh[4x]+bCosh[4x]+bCosh[4x]+bCosh[4x]+bCosh[4x]+bCosh[4x]+bCosh[4x]+bCosh[4x]+bCosh[4x]+bCosh[4x]+bCosh[4x]+bCosh[4x]+bCosh[4x]+bCosh[4x]+bCosh[4x]+bCosh[4x]+bCosh[4x]+bCosh[4x]+bCosh[4x]+bCosh[4x]+bCosh[4x]+bCosh[4x]+bCosh[4x]+bCosh[4x]+bCosh[4x]+bCosh[4x]+bCosh[4x]+bCosh[4x]+bCosh[4x]+bCosh[4x]+bCosh[4x]+bCosh[4x]+bCosh[4x]+bCosh[4x]+bCosh[4x]+bCosh[4x]+bCosh[4x]+bCosh[4x]+bCosh[4x]+bCosh[4x]+bCosh[4x]+bCosh[4x]+bCosh[4x]+bCosh[4x]+bCosh[4x]+bCosh[4x]+bCosh[4x]+bCosh[4x]+bCosh[4x]+bCosh[4x]+bCosh[4x]+bCosh[4x]+bCosh[4x]+bCosh[4x]+bCosh[4x]+bCosh[4x]+bCosh[4x]+bCosh[4x]+bCosh[4x]+bCosh[4x]+bCosh[4x]+bCosh[4x]+bCosh[4x]+bCosh[4x]+bCosh[4x]+bCosh[4x]+bCosh[4x]+bCosh[4x]+bCosh[4x]+bCosh[4x]+bCosh[4x]+bCosh[4x]+bCosh[4x]+bCosh[4x]+bCosh[4x]+bCosh[4x]+bCosh[4x]+bCosh[4x]+bCosh[4x]+bCosh[4x]+bCosh[4x]+bCosh[4x]+bCosh[4x]+bCosh[4x]+bCosh[4x]+bCosh[4x]+bCosh[4x]+bCosh[4x]+bCosh[4x]+bCosh[4x]+bCosh[4x]+bCosh[4x]+bCosh[4x]+bCosh[4x]+bCosh[4x]+bCosh[4x]+bCosh[4x]+bCosh[4x]+bCosh[4x]+bCosh[4x]+bCosh[4x]+bCosh[4x]+bCosh[4x]+bCosh[4x]+bCosh[4x]+bCosh[4x]+bCosh[4x]+bCosh[4x]+bCosh[4x]+bCosh[4x]+bCosh[4x]+bCosh[4x]+bCosh[4x]+bCosh[4x]+bCosh[4x]+bCosh[4x]+bCosh[4x]+bCosh[4x]+bCosh[4x]+bCosh[4x]+bCosh[4x]+bCosh[4x]+bCosh[4x]+bCosh[4x]+bCosh[4x]+bCosh[4x]+bCosh[4x]+bCosh[4x]+bCosh[4x]+bCosh[4x]+bCosh[4x]+bCosh[4x]+bCosh[4x]+bCosh[4x]+bCosh[4x]+bCosh[4x]+bCosh[4x]+bCosh[4x]+bCosh[4x]+bCosh[4x]+bCosh[4x]+bCosh[4x]+bCosh[4x]+bCosh[4x]+bCosh[4x]+bCosh[4x]+bCosh[4x]+bCosh[4x]+bCosh[4x]+bCosh[4x]+bCosh[4x]+bCosh[4x]+bCosh[4x]+bCosh[4x]+bCosh[4x]+bCosh[4x]+bCosh[4x]+bCosh[4x]+bCosh[4x]+bCosh[4x]+bCosh[4x]+bCosh[4x]+bCosh[4x]+bCosh[4x]+bCosh[4x]+bCosh[4x]+bCosh[4x]+bCosh[4x]+bCosh[4x]+bCosh[4x]+bCosh[4x]+bCosh[4x]+bCosh[4x]+bCosh[4x]+bCosh[4x]+bCosh[4x]+bCosh[4x]+bCos
                                                                                                                                                      \verb| c Cosh[4x]| + b (3a-b+3c+4a Cosh[2x]-4c Cosh[2x]+a Cosh[4x]+b Cosh[4x]+c Cosh[4x]) + | c Cosh[4x]| + | c
                                                                                                                     c (3 a - b + 3 c + 4 a Cosh[2 x] - 4 c Cosh[2 x] + a Cosh[4 x] + b Cosh[4 x] + c Cosh[4 x]))
                                \texttt{ArcTanh} \Big[ \, \frac{\sqrt{\, \texttt{3}\, \texttt{a-b+3}\, \texttt{c+4}\, \texttt{a}\, \texttt{Cosh}[\, \texttt{2}\, \texttt{x}\, \texttt{]}\, - \texttt{4}\, \texttt{c}\, \texttt{Cosh}[\, \texttt{2}\, \texttt{x}\, \texttt{]}\, + \texttt{a}\, \texttt{Cosh}[\, \texttt{4}\, \texttt{x}\, \texttt{]}\, + \texttt{b}\, \texttt{Cosh}[\, \texttt{4}\, \texttt{x}\, \texttt{]}\, + \texttt{c}\, \texttt{cosh
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      \frac{1}{\sqrt{c}} ArcTanh[
                                                                    \left( \text{ (b + 2 c) } \sqrt{\text{ 3 a - b + 3 c + 4 a } \text{Cosh[2 x] - 4 c } \text{Cosh[2 x] + a } \text{Cosh[4 x] + b } \text{Cosh[4 x] + c } \text{Cosh[4 x]} \right)
                                                                             \left(2\,\sqrt{c}\,\,\sqrt{\left(2\,b^2-8\,a\,c+a\,\left(3\,a-b+3\,c+4\,a\,Cosh[\,2\,x\,]\,-4\,c\,Cosh[\,2\,x\,]\,+a\,Cosh[\,4\,x\,]\,+b\,Cosh[\,4\,x\,]\,+c\,Cosh[\,4\,x\,]\,\right)}\right.
                                                                                                                                 b\ (3\ a-b+3\ c+4\ a\ Cosh[\ 2\ x]\ -4\ c\ Cosh[\ 2\ x]\ +a\ Cosh[\ 4\ x]\ +b\ Cosh[\ 4\ x]\ +c\ Cosh[\ 4\ x]\ )\ +
                                                                                                                              c(3a-b+3c+4aCosh[2x]-4cCosh[2x]+aCosh[4x]+bCosh[4x]+cCosh[4x])))
                                            \frac{1}{\sqrt{a+b+c}} 2 \log \left[ 2 \left( a \sqrt{3 a-b+3 c+4 a \cosh[2 x]-4 c \cosh[2 x]+a \cosh[4 x]+b \cosh[4 x]+c \cosh[4 x]} + \frac{1}{\sqrt{a+b+c}} \right) \right]
                                                                                                          b\sqrt{3}a - b + 3c + 4a \cosh[2x] - 4c \cosh[2x] + a \cosh[4x] + b \cosh[4x] + c \cosh[4x] + c
                                                                                                                     \sqrt{3} a - b + 3 c + 4 a Cosh[2 x] - 4 c Cosh[2 x] + a Cosh[4 x] + b Cosh[4 x] + c Cosh[4 x] + \sqrt{a + b + c}
                                                                                                                       \sqrt{(2b^2 - 8ac + a(3a - b + 3c + 4aCosh[2x] - 4cCosh[2x] + aCosh[4x] + bCosh[4x] + cCosh[4x])} + cCosh[4x] + cCos
                                                                                                                                                      b \; (3 \; a - b + 3 \; c + 4 \; a \; Cosh[2 \; x] \; - \; 4 \; c \; Cosh[2 \; x] \; + \; a \; Cosh[4 \; x] \; + \; b \; Cosh[4 \; x] \; + \; c \; Cosh[4 \; x]) \; + \; c \; Cosh[4 \; x] \; + \; c \; Cos
                                                                                                                                                     c (3 a - b + 3 c + 4 a Cosh[2 x] - 4 c Cosh[2 x] + a Cosh[4 x] + b Cosh[4 x] + c Cosh[4 x])) Sech[x]<sup>2</sup>
                                                                                                                                                                                        b \operatorname{Sech}[x]^2 \operatorname{Sinh}[2x]
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    c Sech[x]^2 Sinh[2x]
                                   \frac{\sqrt{3 \, a - b + 3 \, c + 4 \, (a - c) \, Cosh[2 \, x] \, + \, (a + b + c) \, Cosh[4 \, x]}}{\sqrt{3 \, a - b + 3 \, c + 4 \, (a - c) \, Cosh[2 \, x] \, + \, (a + b + c) \, Cosh[4 \, x]}}
                                                                                                                                                  c Cosh[2x] Sech[x]^2 Sinh[2x]
                                               \sqrt{3 a - b + 3 c + 4 (a - c) \cosh[2 x] + (a + b + c) \cosh[4 x]}
                         (4 \text{ a Sinh}[2 \text{ x}] - 4 \text{ c Sinh}[2 \text{ x}] + 2 \text{ a Sinh}[4 \text{ x}] + 2 \text{ b Sinh}[4 \text{ x}] + 2 \text{ c Sinh}[4 \text{ x}])
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\left(\operatorname{Sech}[x]^{4}\left(8\left(a-c\right)\operatorname{Sinh}[2x]+4\left(a+b+c\right)\operatorname{Sinh}[4x]\right)-\right)
                                        4 (3 a - b + 3 c + 4 (a - c) Cosh[2x] + (a + b + c) Cosh[4x]) Sech[x]^4 Tanh[x]
64 \; (b-c+c \; Cosh[2 \; x] \; ) \; \sqrt{3 \; a-b+3 \; c+4 \; a \; Cosh[2 \; x] \; -4 \; c \; Cosh[2 \; x] \; +a \; Cosh[4 \; x] \; +b \; Cosh[4 \; x] \; +c \; Cosh[4 \;
                \sqrt{(2b^2 - 8ac + a(3a - b + 3c + 4aCosh[2x] - 4cCosh[2x] + aCosh[4x] + bCosh[4x] + cCosh[4x])}
                                                    b \; (3 \; a \; - \; b \; + \; 3 \; c \; + \; 4 \; a \; Cosh \left[ \; 2 \; x \right] \; - \; 4 \; c \; Cosh \left[ \; 2 \; x \right] \; + \; a \; Cosh \left[ \; 4 \; x \right] \; + \; b \; Cosh \left[ \; 4 \; x \right] \; + \; c \; Cosh \left[ \; 4 \; x \right] \; ) \; + \; c \; Cosh \left[ \; 4 \; x \right] \; ) \; + \; c \; Cosh \left[ \; 4 \; x \right] \; ) \; + \; c \; Cosh \left[ \; 4 \; x \right] \; ) \; + \; c \; Cosh \left[ \; 4 \; x \right] \; ) \; + \; c \; Cosh \left[ \; 4 \; x \right] \; ) \; + \; c \; Cosh \left[ \; 4 \; x \right] \; ) \; + \; c \; Cosh \left[ \; 4 \; x \right] \; ) \; + \; c \; Cosh \left[ \; 4 \; x \right] \; ) \; + \; c \; Cosh \left[ \; 4 \; x \right] \; ) \; + \; c \; Cosh \left[ \; 4 \; x \right] \; ) \; + \; c \; Cosh \left[ \; 4 \; x \right] \; ) \; + \; c \; Cosh \left[ \; 4 \; x \right] \; ) \; + \; c \; Cosh \left[ \; 4 \; x \right] \; ) \; + \; c \; Cosh \left[ \; 4 \; x \right] \; ) \; + \; c \; Cosh \left[ \; 4 \; x \right] \; ) \; + \; c \; Cosh \left[ \; 4 \; x \right] \; ) \; + \; c \; Cosh \left[ \; 4 \; x \right] \; ) \; + \; c \; Cosh \left[ \; 4 \; x \right] \; ) \; + \; c \; Cosh \left[ \; 4 \; x \right] \; ) \; + \; c \; Cosh \left[ \; 4 \; x \right] \; ) \; + \; c \; Cosh \left[ \; 4 \; x \right] \; ) \; + \; c \; Cosh \left[ \; 4 \; x \right] \; ) \; + \; c \; Cosh \left[ \; 4 \; x \right] \; ) \; + \; c \; Cosh \left[ \; 4 \; x \right] \; ) \; + \; c \; Cosh \left[ \; 4 \; x \right] \; ) \; + \; c \; Cosh \left[ \; 4 \; x \right] \; + \; c \; Cosh \left[ \; 4 \; x \right] \; ) \; + \; c \; Cosh \left[ \; 4 \; x \right] \; + \; c \; Cosh \left[ \; 4 \; x \right] \; ) \; + \; c \; Cosh \left[ \; 4 \; x \right] \; + \; c \; Cosh \left[ \; 4 \; x \right] \; + \; c \; Cosh \left[ \; 4 \; x \right] \; + \; c \; Cosh \left[ \; 4 \; x \right] \; + \; c \; Cosh \left[ \; 4 \; x \right] \; + \; c \; Cosh \left[ \; 4 \; x \right] \; + \; c \; Cosh \left[ \; 4 \; x \right] \; + \; c \; Cosh \left[ \; 4 \; x \right] \; + \; c \; Cosh \left[ \; 4 \; x \right] \; + \; c \; Cosh \left[ \; 4 \; x \right] \; + \; c \; Cosh \left[ \; 4 \; x \right] \; + \; c \; Cosh \left[ \; 4 \; x \right] \; + \; c \; Cosh \left[ \; 4 \; x \right] \; + \; c \; Cosh \left[ \; 4 \; x \right] \; + \; c \; Cosh \left[ \; 4 \; x \right] \; + \; c \; Cosh \left[ \; 4 \; x \right] \; + \; c \; Cosh \left[ \; 4 \; x \right] \; + \; c \; Cosh \left[ \; 4 \; x \right] \; + \; c \; Cosh \left[ \; 4 \; x \right] \; + \; c \; Cosh \left[ \; 4 \; x \right] \; + \; c \; Cosh \left[ \; 4 \; x \right] \; + \; c \; Cosh \left[ \; 4 \; x \right] \; + \; c \; Cosh \left[ \; 4 \; x \right] \; + \; c \; Cosh \left[ \; 4 \; x \right] \; + \; c \; Cosh \left[ \; 4 \; x \right] \; + \; c \; Cosh \left[ \; 4 \; x \right] \; + \; c \; Cosh \left[ \; 4 \; x \right] \; + \; c \; Cosh \left[ \; 4 \; x \right] \; + \; c \; Cosh \left[ \; 4 \; x \right] \; + \; c \; Cosh \left[ \; 4 \; x \right] \; + \; c \; Cosh \left[ \; 4 \; x \right] \; + \; c
                                                     c(3a-b+3c+4aCosh[2x]-4cCosh[2x]+aCosh[4x]+bCosh[4x]+cCosh[4x])
              \sqrt{\left(\frac{1}{a+b+c}\left(-4 \ a-2 \ b+\sqrt{2} \ \sqrt{\left(2 \ b^2-8 \ a \ c+a \ \left(3 \ a-b+3 \ c+4 \ a \ Cosh[2 \ x]\right.\right. - 4 \ c \ Cosh[2 \ x] \ + a \ Cosh[4 \ x] \ + b \ Cosh[4 \ x]
                                                                                                                                                                          \texttt{c} \; \texttt{Cosh[4\,x])} \; + \; \texttt{b} \; (3 \; \texttt{a} \; - \; \texttt{b} \; + \; 3 \; \texttt{c} \; + \; 4 \; \texttt{a} \; \texttt{Cosh[2\,x]} \; - \; 4 \; \texttt{c} \; \texttt{Cosh[2\,x]} \; + \; \texttt{a} \; \texttt{Cosh[4\,x]} \; + \; \texttt{b} \; \texttt{Cosh[4\,x]} \; + \; \texttt{c} \; \texttt{Cosh[4\,x]}) \; + \; \texttt{c} \; \texttt{cosh[4\,x]} \; + \; \texttt{cosh[4\,x]} \; + \; \texttt{c} \; \texttt{cosh[4\,x]} \; + \; \texttt{cosh[4\,x]} \; + \; \texttt{c} \; \texttt{cosh[4\,x]} \; + \; \texttt{c} \; \texttt{cosh[4\,x]} \; +
                                                                                                                                   c(3a-b+3c+4aCosh[2x]-4cCosh[2x]+aCosh[4x]+bCosh[4x]+cCosh[4x]))
                    \left(-2 \text{ a} + 2 \text{ c} + \sqrt{2} \sqrt{2 b^2 - 8 \text{ a} \text{ c} + \text{ a} (3 \text{ a} - b + 3 \text{ c} + 4 \text{ a} \text{ Cosh}[2 \text{ x}] - 4 \text{ c} \text{ Cosh}[2 \text{ x}] + \text{ a} \text{ Cosh}[4 \text{ x}] + \text{ b} \text{ Cosh}[4 \text{ x}] + \text{ c} \text{ c} \text{ Cosh}[4 \text{ x}] + \text{ c} \text{ cosh}[4 \text{ x}] +
                                                                                          b\ (3\ a-b+3\ c+4\ a\ Cosh[\ 2\ x]\ -4\ c\ Cosh[\ 2\ x]\ +a\ Cosh[\ 4\ x]\ +b\ Cosh[\ 4\ x]\ +c\ Cosh[\ 4\ x]\ )\ +c\ Cosh[\ 4\ x]\ )\ +c\ Cosh[\ 4\ x]\ )\ +c\ Cosh[\ 4\ x]\ )
                                                                                            c(3a-b+3c+4aCosh[2x]-4cCosh[2x]+aCosh[4x]+bCosh[4x]+cCosh[4x]))
              \sqrt{\left[-1 + \frac{1}{2(a+b+c)} \left(-2a+2c+\sqrt{2}\sqrt{2b^2-8ac+a(3a-b+3c+4aCosh[2x]-4cCosh[2x]+aCosh[4x]+\frac{1}{2(a+b+c)}\right]}\right]}
                                                                                                                                                                                         b \, Cosh[\, 4 \, x] \, + c \, Cosh[\, 4 \, x] \, ) \, + b \, (\, 3 \, a - b + 3 \, c + 4 \, a \, Cosh[\, 2 \, x] \, - \, 4 \, c \, Cosh[\, 2 \, x] \, + \, a \, Cosh[\, 4 \, x] \, + \, b \, Cosh[\, 4 \, x] \, + \, b \, Cosh[\, 4 \, x] \, + \, b \, Cosh[\, 4 \, x] \, + \, b \, Cosh[\, 4 \, x] \, + \, b \, Cosh[\, 4 \, x] \, + \, b \, Cosh[\, 4 \, x] \, + \, b \, Cosh[\, 4 \, x] \, + \, b \, Cosh[\, 4 \, x] \, + \, b \, Cosh[\, 4 \, x] \, + \, b \, Cosh[\, 4 \, x] \, + \, b \, Cosh[\, 4 \, x] \, + \, b \, Cosh[\, 4 \, x] \, + \, b \, Cosh[\, 4 \, x] \, + \, b \, Cosh[\, 4 \, x] \, + \, b \, Cosh[\, 4 \, x] \, + \, b \, Cosh[\, 4 \, x] \, + \, b \, Cosh[\, 4 \, x] \, + \, b \, Cosh[\, 4 \, x] \, + \, b \, Cosh[\, 4 \, x] \, + \, b \, Cosh[\, 4 \, x] \, + \, b \, Cosh[\, 4 \, x] \, + \, b \, Cosh[\, 4 \, x] \, + \, b \, Cosh[\, 4 \, x] \, + \, b \, Cosh[\, 4 \, x] \, + \, b \, Cosh[\, 4 \, x] \, + \, b \, Cosh[\, 4 \, x] \, + \, b \, Cosh[\, 4 \, x] \, + \, b \, Cosh[\, 4 \, x] \, + \, b \, Cosh[\, 4 \, x] \, + \, b \, Cosh[\, 4 \, x] \, + \, b \, Cosh[\, 4 \, x] \, + \, b \, Cosh[\, 4 \, x] \, + \, b \, Cosh[\, 4 \, x] \, + \, b \, Cosh[\, 4 \, x] \, + \, b \, Cosh[\, 4 \, x] \, + \, b \, Cosh[\, 4 \, x] \, + \, b \, Cosh[\, 4 \, x] \, + \, b \, Cosh[\, 4 \, x] \, + \, b \, Cosh[\, 4 \, x] \, + \, b \, Cosh[\, 4 \, x] \, + \, b \, Cosh[\, 4 \, x] \, + \, b \, Cosh[\, 4 \, x] \, + \, b \, Cosh[\, 4 \, x] \, + \, b \, Cosh[\, 4 \, x] \, + \, b \, Cosh[\, 4 \, x] \, + \, b \, Cosh[\, 4 \, x] \, + \, b \, Cosh[\, 4 \, x] \, + \, b \, Cosh[\, 4 \, x] \, + \, b \, Cosh[\, 4 \, x] \, + \, b \, Cosh[\, 4 \, x] \, + \, b \, Cosh[\, 4 \, x] \, + \, b \, Cosh[\, 4 \, x] \, + \, b \, Cosh[\, 4 \, x] \, + \, b \, Cosh[\, 4 \, x] \, + \, b \, Cosh[\, 4 \, x] \, + \, b \, Cosh[\, 4 \, x] \, + \, b \, Cosh[\, 4 \, x] \, + \, b \, Cosh[\, 4 \, x] \, + \, b \, Cosh[\, 4 \, x] \, + \, b \, Cosh[\, 4 \, x] \, + \, b \, Cosh[\, 4 \, x] \, + \, b \, Cosh[\, 4 \, x] \, + \, b \, Cosh[\, 4 \, x] \, + \, b \, Cosh[\, 4 \, x] \, + \, b \, Cosh[\, 4 \, x] \, + \, b \, Cosh[\, 4 \, x] \, + \, b \, Cosh[\, 4 \, x] \, + \, b \, Cosh[\, 4 \, x] \, + \, b \, Cosh[\, 4 \, x] \, + \, b \, Cosh[\, 4 \, x] \, + \, b \, Cosh[\, 4 \, x] \, + \, b \, Cosh[\, 4 \, x] \, + \, b \, Cosh[\, 4 \, x] \, + \, b \, Cosh[\, 4 \, x] \, + \, b \, Cosh[\, 4 \, x] \, + \, b \, Cosh[\, 4 \, x] \, + \, b \, Cosh[\, 4 \, x] \, + \, b \, Cosh[\, 4 \, x] \, + \, b \, Cosh[\, 4 \, x]
                                                                                                                                                                                       c \cosh[4x] + c (3a - b + 3c + 4a \cosh[2x] - 4c \cosh[2x] + a \cosh[4x] + b \cosh[4x] + c \cosh[4x] + c \cosh[4x])
              \sqrt{\left(1 + \frac{1}{2(a+b+c)} \left(-2a+2c+\sqrt{2}\sqrt{2b^2-8ac+a(3a-b+3c+4aCosh[2x]-4cCosh[2x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh
                                                                                                                                                                                         b \, Cosh[4\,x] + c \, Cosh[4\,x]) + b \, (3\,a - b + 3\,c + 4\,a \, Cosh[2\,x] - 4\,c \, Cosh[2\,x] + a \, Cosh[4\,x] + b 
                                                                                                                                                                                       c \cosh[4x] + c (3a - b + 3c + 4a \cosh[2x] - 4c \cosh[2x] + a \cosh[4x] + b \cosh[4x] + c \cosh[4x])
                  3 a - b + 3 c + (4 a - 4 c) Cosh[2x] + (a + b + c) Cosh[4x]
                                                                                                                                                                                                                                                (1 + Cosh[2x])^2
                  (3 a - b + 3 c + 4 (a - c) Cosh[2x] + (a + b + c) Cosh[4x])
                Log[b+2cTanh[x]^2+2\sqrt{c}\sqrt{a+bTanh[x]^2+cTanh[x]^4}]
                Sech[x]
                                                                                                                                                                                                             2 b Cosh[2x] Sech[x]^2
                               \sqrt{3 a - b + 3 c + 4 (a - c) \cosh[2 x] + (a + b + c) \cosh[4 x]}
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2 c Cosh[2x] Sech[x]^2
                               \sqrt{3 a - b + 3 c + 4 (a - c) Cosh[2x] + (a + b + c) Cosh[4x]}
                                                                                                                          2 c Cosh[2x]^2 Sech[x]^2
                               \sqrt{3 a - b + 3 c + 4 (a - c) \cosh[2 x] + (a + b + c) \cosh[4 x]}
                                                                                                                          2 c \operatorname{Sech}[x]^2 \operatorname{Sinh}[2 x]^2
                               \sqrt{3 a - b + 3 c + 4 (a - c) \cosh[2 x] + (a + b + c) \cosh[4 x]}
                             b \, Sech[x]^2 \, Sinh[2x] \, (8 \, (a-c) \, Sinh[2x] + 4 \, (a+b+c) \, Sinh[4x])
                                              2 (3 a - b + 3 c + 4 (a - c) Cosh[2x] + (a + b + c) Cosh[4x])^{3/2}
                             c \, Sech[x]^2 \, Sinh[2x] \, (8 \, (a-c) \, Sinh[2x] + 4 \, (a+b+c) \, Sinh[4x])
                                              2 (3 a - b + 3 c + 4 (a - c) Cosh[2x] + (a + b + c) Cosh[4x])^{3/2}
                             c Cosh[2x] Sech[x]^{2} Sinh[2x] (8 (a-c) Sinh[2x] + 4 (a+b+c) Sinh[4x])
                                                                          2(3a-b+3c+4(a-c) Cosh[2x] + (a+b+c) Cosh[4x])^{3/2}
                                                                                                     2 b \operatorname{Sech}[x]^2 \operatorname{Sinh}[2 x] \operatorname{Tanh}[x]
                               \sqrt{3 a - b + 3 c + 4 (a - c) Cosh[2x] + (a + b + c) Cosh[4x]}
                                                                                                    2 c Sech[x] 2 Sinh[2x] Tanh[x]
                               \sqrt{3 a - b + 3 c + 4 (a - c) \cosh[2 x] + (a + b + c) \cosh[4 x]}
                                                                         2 c Cosh[2x] Sech[x]^2 Sinh[2x] Tanh[x]
                              \sqrt{3 a - b + 3 c + 4 (a - c) \cosh[2x] + (a + b + c) \cosh[4x]}
 \left(8\,\sqrt{2}\,\,\sqrt{c}\,\,\left(b-c+c\,\text{Cosh}\,[\,2\,x\,]\,\right)\,\sqrt{\,3\,a-b+3\,c+\,(4\,a-4\,c)\,\,\text{Cosh}\,[\,2\,x\,]\,+\,(a+b+c)\,\,\text{Cosh}\,[\,4\,x\,]\,}\right)
              \sqrt{(3 a - b + 3 c + 4 (a - c) Cosh[2 x] + (a + b + c) Cosh[4 x]) Sech[x]^4} +
c \, Cosh[2 \, x] \, (3 \, a - b + 3 \, c + 4 \, (a - c) \, Cosh[2 \, x] + (a + b + c) \, Cosh[4 \, x])
               \left(2\,a\,\sqrt{\,3\,a\,-\,b\,+\,3\,c\,+\,4\,a\,Cosh\,[\,2\,x\,]\,\,-\,4\,c\,Cosh\,[\,2\,x\,]\,\,+\,a\,Cosh\,[\,4\,x\,]\,\,+\,b\,Cosh\,[\,4\,x\,]\,\,+\,c\,Cosh\,[\,4\,x\,]\,\,+\,c\,Cosh\,[\,4\,x\,]\,\,+\,c\,Cosh\,[\,4\,x\,]\,\,+\,c\,Cosh\,[\,4\,x\,]\,\,+\,c\,Cosh\,[\,4\,x\,]\,\,+\,c\,Cosh\,[\,4\,x\,]\,\,+\,c\,Cosh\,[\,4\,x\,]\,\,+\,c\,Cosh\,[\,4\,x\,]\,\,+\,c\,Cosh\,[\,4\,x\,]\,\,+\,c\,Cosh\,[\,4\,x\,]\,\,+\,c\,Cosh\,[\,4\,x\,]\,\,+\,c\,Cosh\,[\,4\,x\,]\,\,+\,c\,Cosh\,[\,4\,x\,]\,\,+\,c\,Cosh\,[\,4\,x\,]\,\,+\,c\,Cosh\,[\,4\,x\,]\,\,+\,c\,Cosh\,[\,4\,x\,]\,\,+\,c\,Cosh\,[\,4\,x\,]\,\,+\,c\,Cosh\,[\,4\,x\,]\,\,+\,c\,Cosh\,[\,4\,x\,]\,\,+\,c\,Cosh\,[\,4\,x\,]\,\,+\,c\,Cosh\,[\,4\,x\,]\,\,+\,c\,Cosh\,[\,4\,x\,]\,\,+\,c\,Cosh\,[\,4\,x\,]\,\,+\,c\,Cosh\,[\,4\,x\,]\,\,+\,c\,Cosh\,[\,4\,x\,]\,\,+\,c\,Cosh\,[\,4\,x\,]\,\,+\,c\,Cosh\,[\,4\,x\,]\,\,+\,c\,Cosh\,[\,4\,x\,]\,\,+\,c\,Cosh\,[\,4\,x\,]\,\,+\,c\,Cosh\,[\,4\,x\,]\,\,+\,c\,Cosh\,[\,4\,x\,]\,\,+\,c\,Cosh\,[\,4\,x\,]\,\,+\,c\,Cosh\,[\,4\,x\,]\,\,+\,c\,Cosh\,[\,4\,x\,]\,\,+\,c\,Cosh\,[\,4\,x\,]\,\,+\,c\,Cosh\,[\,4\,x\,]\,\,+\,c\,Cosh\,[\,4\,x\,]\,\,+\,c\,Cosh\,[\,4\,x\,]\,\,+\,c\,Cosh\,[\,4\,x\,]\,\,+\,c\,Cosh\,[\,4\,x\,]\,\,+\,c\,Cosh\,[\,4\,x\,]\,\,+\,c\,Cosh\,[\,4\,x\,]\,\,+\,c\,Cosh\,[\,4\,x\,]\,\,+\,c\,Cosh\,[\,4\,x\,]\,\,+\,c\,Cosh\,[\,4\,x\,]\,\,+\,c\,Cosh\,[\,4\,x\,]\,\,+\,c\,Cosh\,[\,4\,x\,]\,\,+\,c\,Cosh\,[\,4\,x\,]\,\,+\,c\,Cosh\,[\,4\,x\,]\,\,+\,c\,Cosh\,[\,4\,x\,]\,\,+\,c\,Cosh\,[\,4\,x\,]\,\,+\,c\,Cosh\,[\,4\,x\,]\,\,+\,c\,Cosh\,[\,4\,x\,]\,\,+\,c\,Cosh\,[\,4\,x\,]\,\,+\,c\,Cosh\,[\,4\,x\,]\,\,+\,c\,Cosh\,[\,4\,x\,]\,\,+\,c\,Cosh\,[\,4\,x\,]\,\,+\,c\,Cosh\,[\,4\,x\,]\,\,+\,c\,Cosh\,[\,4\,x\,]\,\,+\,c\,Cosh\,[\,4\,x\,]\,\,+\,c\,Cosh\,[\,4\,x\,]\,\,+\,c\,Cosh\,[\,4\,x\,]\,\,+\,c\,Cosh\,[\,4\,x\,]\,\,+\,c\,Cosh\,[\,4\,x\,]\,\,+\,c\,Cosh\,[\,4\,x\,]\,\,+\,c\,Cosh\,[\,4\,x\,]\,\,+\,c\,Cosh\,[\,4\,x\,]\,\,+\,c\,Cosh\,[\,4\,x\,]\,\,+\,c\,Cosh\,[\,4\,x\,]\,\,+\,c\,Cosh\,[\,4\,x\,]\,\,+\,c\,Cosh\,[\,4\,x\,]\,\,+\,c\,Cosh\,[\,4\,x\,]\,\,+\,c\,Cosh\,[\,4\,x\,]\,\,+\,c\,Cosh\,[\,4\,x\,]\,\,+\,c\,Cosh\,[\,4\,x\,]\,\,+\,c\,Cosh\,[\,4\,x\,]\,\,+\,c\,Cosh\,[\,4\,x\,]\,\,+\,c\,Cosh\,[\,4\,x\,]\,\,+\,c\,Cosh\,[\,4\,x\,]\,\,+\,c\,Cosh\,[\,4\,x\,]\,\,+\,c\,Cosh\,[\,4\,x\,]\,\,+\,c\,Cosh\,[\,4\,x\,]\,\,+\,c\,Cosh\,[\,4\,x\,]\,\,+\,c\,Cosh\,[\,4\,x\,]\,\,+\,c\,Cosh\,[\,4\,x\,]\,\,+\,c\,Cosh\,[\,4\,x\,]\,\,+\,c\,Cosh\,[\,4\,x\,]\,\,+\,c\,Cosh\,[\,4\,x\,]\,\,+\,c\,Cosh\,[\,4\,x\,]\,\,+\,c\,Cosh\,[\,4\,x\,]\,\,+\,c\,Cosh\,[\,4\,x\,]\,\,+\,c\,Cosh\,[\,4\,x\,]\,\,+\,c\,Cosh\,[\,4\,x\,]\,\,+\,c\,Cosh\,[\,4\,x\,]\,\,+\,c\,Cosh\,[\,4\,x\,]\,\,+\,c\,Cosh\,[\,4\,x\,]\,\,+\,c\,Cosh\,[\,4\,x\,]\,\,+\,c\,Cosh\,[\,4\,x\,]\,\,+\,c\,Cosh\,[\,4\,x\,]\,\,+\,c\,Cosh\,[\,4\,x\,]\,\,+\,c\,Cosh\,[\,4\,x\,]\,\,+\,c\,Cosh\,[\,4\,x\,]\,\,+\,c\,Cosh\,[\,4\,x\,]\,\,+\,c\,Cosh\,[\,4\,x\,]\,\,+\,c\,Cosh\,[\,4\,x\,]\,\,+\,c\,Cosh\,[\,4\,x\,]\,\,+\,c\,Cosh\,[\,4\,x\,]\,\,+\,c\,Cosh\,[\,4\,x\,]\,\,+
                           2 b \sqrt{3 a - b + 3 c + 4 a \cosh[2 x] - 4 c \cosh[2 x] + a \cosh[4 x] + b \cosh[4 x] + c \cosh[4 x]}
                           2 c \sqrt{3 a - b + 3 c + 4 a Cosh[2 x] - 4 c Cosh[2 x] + a Cosh[4 x] + b Cosh[4 x] + c Cosh[4 x]}
             \sqrt{\left(\frac{1}{a+b+c}\left(2b+4c+\sqrt{2}\sqrt{2b^2-8ac+a(3a-b+3c+4aCosh[2x]-4cCosh[2x]+aCosh[4x]+bCosh[4x]+bCosh[4x]+bCosh[4x]+bCosh[4x]+bCosh[4x]+bCosh[4x]+bCosh[4x]+bCosh[4x]+bCosh[4x]+bCosh[4x]+bCosh[4x]+bCosh[4x]+bCosh[4x]+bCosh[4x]+bCosh[4x]+bCosh[4x]+bCosh[4x]+bCosh[4x]+bCosh[4x]+bCosh[4x]+bCosh[4x]+bCosh[4x]+bCosh[4x]+bCosh[4x]+bCosh[4x]+bCosh[4x]+bCosh[4x]+bCosh[4x]+bCosh[4x]+bCosh[4x]+bCosh[4x]+bCosh[4x]+bCosh[4x]+bCosh[4x]+bCosh[4x]+bCosh[4x]+bCosh[4x]+bCosh[4x]+bCosh[4x]+bCosh[4x]+bCosh[4x]+bCosh[4x]+bCosh[4x]+bCosh[4x]+bCosh[4x]+bCosh[4x]+bCosh[4x]+bCosh[4x]+bCosh[4x]+bCosh[4x]+bCosh[4x]+bCosh[4x]+bCosh[4x]+bCosh[4x]+bCosh[4x]+bCosh[4x]+bCosh[4x]+bCosh[4x]+bCosh[4x]+bCosh[4x]+bCosh[4x]+bCosh[4x]+bCosh[4x]+bCosh[4x]+bCosh[4x]+bCosh[4x]+bCosh[4x]+bCosh[4x]+bCosh[4x]+bCosh[4x]+bCosh[4x]+bCosh[4x]+bCosh[4x]+bCosh[4x]+bCosh[4x]+bCosh[4x]+bCosh[4x]+bCosh[4x]+bCosh[4x]+bCosh[4x]+bCosh[4x]+bCosh[4x]+bCosh[4x]+bCosh[4x]+bCosh[4x]+bCosh[4x]+bCosh[4x]+bCosh[4x]+bCosh[4x]+bCosh[4x]+bCosh[4x]+bCosh[4x]+bCosh[4x]+bCosh[4x]+bCosh[4x]+bCosh[4x]+bCosh[4x]+bCosh[4x]+bCosh[4x]+bCosh[4x]+bCosh[4x]+bCosh[4x]+bCosh[4x]+bCosh[4x]+bCosh[4x]+bCosh[4x]+bCosh[4x]+bCosh[4x]+bCosh[4x]+bCosh[4x]+bCosh[4x]+bCosh[4x]+bCosh[4x]+bCosh[4x]+bCosh[4x]+bCosh[4x]+bCosh[4x]+bCosh[4x]+bCosh[4x]+bCosh[4x]+bCosh[4x]+bCosh[4x]+bCosh[4x]+bCosh[4x]+bCosh[4x]+bCosh[4x]+bCosh[4x]+bCosh[4x]+bCosh[4x]+bCosh[4x]+bCosh[4x]+bCosh[4x]+bCosh[4x]+bCosh[4x]+bCosh[4x]+bCosh[4x]+bCosh[4x]+bCosh[4x]+bCosh[4x]+bCosh[4x]+bCosh[4x]+bCosh[4x]+bCosh[4x]+bCosh[4x]+bCosh[4x]+bCosh[4x]+bCosh[4x]+bCosh[4x]+bCosh[4x]+bCosh[4x]+bCosh[4x]+bCosh[4x]+bCosh[4x]+bCosh[4x]+bCosh[4x]+bCosh[4x]+bCosh[4x]+bCosh[4x]+bCosh[4x]+bCosh[4x]+bCosh[4x]+bCosh[4x]+bCosh[4x]+bCosh[4x]+bCosh[4x]+bCosh[4x]+bCosh[4x]+bCosh[4x]+bCosh[4x]+bCosh[4x]+bCosh[4x]+bCosh[4x]+bCosh[4x]+bCosh[4x]+bCosh[4x]+bCosh[4x]+bCosh[4x]+bCosh[4x]+bCosh[4x]+bCosh[4x]+bCosh[4x]+bCosh[4x]+bCosh[4x]+bCosh[4x]+bCosh[4x]+bCosh[4x]+bCosh[4x]+bCosh[4x]+bCosh[4x]+bCosh[4x]+bCosh[4x]+bCosh[4x]+bCosh[4x]+bCosh[4x]+bCosh[4x]+bCosh[4x]+bCos
                                                                                                c \, \, Cosh[\, 4\, \, x\,] \,\, ) \,\, + \, b \,\, (3\, \, a \, - \, b \, + \, 3\, \, c \, + \, 4\, \, a \, \, Cosh[\, 2\, \, x\,] \,\, - \, 4\, \, c \,\, Cosh[\, 2\, \, x\,] \,\, + \, a \,\, Cosh[\, 4\, \, x\,] \,\, + \, b \,\, Cosh[\, 4\, \, x\,] \,\, + \, c \,\, Cosh[\, 4\, \, x\,] \,\, ) \,\, + \, c \,\, Cosh[\, 4\, \, x\,] \,\, + \, c \,\, Cosh[\, 4\, \, x\,] \,\, + \, c \,\, Cosh[\, 4\, \, x\,] \,\, + \, c \,\, Cosh[\, 4\, \, x\,] \,\, + \, c \,\, Cosh[\, 4\, \, x\,] \,\, + \, c \,\, Cosh[\, 4\, \, x\,] \,\, + \, c \,\, Cosh[\, 4\, \, x\,] \,\, + \, c \,\, Cosh[\, 4\, \, x\,] \,\, + \, c \,\, Cosh[\, 4\, \, x\,] \,\, + \, c \,\, Cosh[\, 4\, \, x\,] \,\, + \, c \,\, Cosh[\, 4\, \, x\,] \,\, + \, c \,\, Cosh[\, 4\, \, x\,] \,\, + \, c \,\, Cosh[\, 4\, \, x\,] \,\, + \, c \,\, Cosh[\, 4\, \, x\,] \,\, + \, c \,\, Cosh[\, 4\, \, x\,] \,\, + \, c \,\, Cosh[\, 4\, \, x\,] \,\, + \, c \,\, Cosh[\, 4\, \, x\,] \,\, + \, c \,\, Cosh[\, 4\, \, x\,] \,\, + \, c \,\, Cosh[\, 4\, \, x\,] \,\, + \, c \,\, Cosh[\, 4\, \, x\,] \,\, + \, c \,\, Cosh[\, 4\, \, x\,] \,\, + \, c \,\, Cosh[\, 4\, \, x\,] \,\, + \, c \,\, Cosh[\, 4\, \, x\,] \,\, + \, c \,\, Cosh[\, 4\, \, x\,] \,\, + \, c \,\, Cosh[\, 4\, \, x\,] \,\, + \, c \,\, Cosh[\, 4\, \, x\,] \,\, + \, c \,\, Cosh[\, 4\, \, x\,] \,\, + \, c \,\, Cosh[\, 4\, \, x\,] \,\, + \, c \,\, Cosh[\, 4\, \, x\,] \,\, + \, c \,\, Cosh[\, 4\, \, x\,] \,\, + \, c \,\, Cosh[\, 4\, \, x\,] \,\, + \, c \,\, Cosh[\, 4\, \, x\,] \,\, + \, c \,\, Cosh[\, 4\, \, x\,] \,\, + \, c \,\, Cosh[\, 4\, \, x\,] \,\, + \, c \,\, Cosh[\, 4\, \, x\,] \,\, + \, c \,\, Cosh[\, 4\, \, x\,] \,\, + \, c \,\, Cosh[\, 4\, \, x\,] \,\, + \, c \,\, Cosh[\, 4\, \, x\,] \,\, + \, c \,\, Cosh[\, 4\, \, x\,] \,\, + \, c \,\, Cosh[\, 4\, \, x\,] \,\, + \, c \,\, Cosh[\, 4\, \, x\,] \,\, + \, c \,\, Cosh[\, 4\, \, x\,] \,\, + \, c \,\, Cosh[\, 4\, \, x\,] \,\, + \, c \,\, Cosh[\, 4\, \, x\,] \,\, + \, c \,\, Cosh[\, 4\, \, x\,] \,\, + \, c \,\, Cosh[\, 4\, \, x\,] \,\, + \, c \,\, Cosh[\, 4\, \, x\,] \,\, + \, c \,\, Cosh[\, 4\, \, x\,] \,\, + \, c \,\, Cosh[\, 4\, \, x\,] \,\, + \, c \,\, Cosh[\, 4\, \, x\,] \,\, + \, c \,\, Cosh[\, 4\, \, x\,] \,\, + \, c \,\, Cosh[\, 4\, \, x\,] \,\, + \, c \,\, Cosh[\, 4\, \, x\,] \,\, + \, c \,\, Cosh[\, 4\, \, x\,] \,\, + \, c \,\, Cosh[\, 4\, \, x\,] \,\, + \, c \,\, Cosh[\, 4\, \, x\,] \,\, + \, c \,\, Cosh[\, 4\, \, x\,] \,\, + \, c \,\, Cosh[\, 4\, \, x\,] \,\, + \, c \,\, Cosh[\, 4\, \, x\,] \,\, + \, c \,\, Cosh[\, 4\, \, x\,] \,\, + \, c \,\, Cosh[\, 4\, \, x\,] \,\, + \, c \,\, Cosh[\, 4\, \, x\,] \,\, + \, c \,\, Cosh[\, 4\, \, x\,] \,\, + \, c \,\, Cosh[\, 4\, \, x\,] \,\, + \, c \,\, Cosh[\, 4\, \, x\,] \,
                                                                            c (3 a - b + 3 c + 4 a Cosh[2 x] - 4 c Cosh[2 x] + a Cosh[4 x] + b Cosh[4 x] + c Cosh[4 x]))
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(b+2c)\sqrt{3a-b+3c+4a Cosh[2x]-4c Cosh[2x]+a Cosh[4x]+b Cosh[4x]+c Cosh[4x]}
                                           \left(2\,\sqrt{c}\,\,\sqrt{\left(2\,b^2-8\,a\,c+a\,\left(3\,a-b+3\,c+4\,a\,Cosh[\,2\,x\,]\,-4\,c\,Cosh[\,2\,x\,]\,+a\,Cosh[\,4\,x\,]\,+b\,Cosh[\,4\,x\,]\,+c\,Cosh[\,4\,x\,]\,\right)}\right.
                                                                                    b (3 a - b + 3 c + 4 a Cosh[2 x] - 4 c Cosh[2 x] + a Cosh[4 x] + b Cosh[4 x] + c Cosh[4 x]) +
                                                                                  c(3a-b+3c+4aCosh[2x]-4cCosh[2x]+aCosh[4x]+bCosh[4x]+cCosh[4x])))
               \frac{1}{\sqrt{a+b+c}} \ 2 \ \text{Log} \Big[ 2 \ \Big( a \ \sqrt{3 \ a-b+3 \ c+4 \ a \ \text{Cosh}[2 \ x] - 4 \ c \ \text{Cosh}[2 \ x] + a \ \text{Cosh}[4 \ x] + b \ \text{Cosh}[4 \ x] + c \ 
                                                                  b\,\sqrt{\,3\,a-b+3\,c+4\,a\,Cosh[\,2\,x\,]\,-4\,c\,Cosh[\,2\,x\,]\,+a\,Cosh[\,4\,x\,]\,+b\,Cosh[\,4\,x\,]\,+c\,Cosh[\,4\,x\,]\,+c\,Cosh[\,4\,x\,]\,+c\,Cosh[\,4\,x\,]\,+c\,Cosh[\,4\,x\,]\,+c\,Cosh[\,4\,x\,]\,+c\,Cosh[\,4\,x\,]\,+c\,Cosh[\,4\,x\,]\,+c\,Cosh[\,4\,x\,]\,+c\,Cosh[\,4\,x\,]\,+c\,Cosh[\,4\,x\,]\,+c\,Cosh[\,4\,x\,]\,+c\,Cosh[\,4\,x\,]\,+c\,Cosh[\,4\,x\,]\,+c\,Cosh[\,4\,x\,]\,+c\,Cosh[\,4\,x\,]\,+c\,Cosh[\,4\,x\,]\,+c\,Cosh[\,4\,x\,]\,+c\,Cosh[\,4\,x\,]\,+c\,Cosh[\,4\,x\,]\,+c\,Cosh[\,4\,x\,]\,+c\,Cosh[\,4\,x\,]\,+c\,Cosh[\,4\,x\,]\,+c\,Cosh[\,4\,x\,]\,+c\,Cosh[\,4\,x\,]\,+c\,Cosh[\,4\,x\,]\,+c\,Cosh[\,4\,x\,]\,+c\,Cosh[\,4\,x\,]\,+c\,Cosh[\,4\,x\,]\,+c\,Cosh[\,4\,x\,]\,+c\,Cosh[\,4\,x\,]\,+c\,Cosh[\,4\,x\,]\,+c\,Cosh[\,4\,x\,]\,+c\,Cosh[\,4\,x\,]\,+c\,Cosh[\,4\,x\,]\,+c\,Cosh[\,4\,x\,]\,+c\,Cosh[\,4\,x\,]\,+c\,Cosh[\,4\,x\,]\,+c\,Cosh[\,4\,x\,]\,+c\,Cosh[\,4\,x\,]\,+c\,Cosh[\,4\,x\,]\,+c\,Cosh[\,4\,x\,]\,+c\,Cosh[\,4\,x\,]\,+c\,Cosh[\,4\,x\,]\,+c\,Cosh[\,4\,x\,]\,+c\,Cosh[\,4\,x\,]\,+c\,Cosh[\,4\,x\,]\,+c\,Cosh[\,4\,x\,]\,+c\,Cosh[\,4\,x\,]\,+c\,Cosh[\,4\,x\,]\,+c\,Cosh[\,4\,x\,]\,+c\,Cosh[\,4\,x\,]\,+c\,Cosh[\,4\,x\,]\,+c\,Cosh[\,4\,x\,]\,+c\,Cosh[\,4\,x\,]\,+c\,Cosh[\,4\,x\,]\,+c\,Cosh[\,4\,x\,]\,+c\,Cosh[\,4\,x\,]\,+c\,Cosh[\,4\,x\,]\,+c\,Cosh[\,4\,x\,]\,+c\,Cosh[\,4\,x\,]\,+c\,Cosh[\,4\,x\,]\,+c\,Cosh[\,4\,x\,]\,+c\,Cosh[\,4\,x\,]\,+c\,Cosh[\,4\,x\,]\,+c\,Cosh[\,4\,x\,]\,+c\,Cosh[\,4\,x\,]\,+c\,Cosh[\,4\,x\,]\,+c\,Cosh[\,4\,x\,]\,+c\,Cosh[\,4\,x\,]\,+c\,Cosh[\,4\,x\,]\,+c\,Cosh[\,4\,x\,]\,+c\,Cosh[\,4\,x\,]\,+c\,Cosh[\,4\,x\,]\,+c\,Cosh[\,4\,x\,]\,+c\,Cosh[\,4\,x\,]\,+c\,Cosh[\,4\,x\,]\,+c\,Cosh[\,4\,x\,]\,+c\,Cosh[\,4\,x\,]\,+c\,Cosh[\,4\,x\,]\,+c\,Cosh[\,4\,x\,]\,+c\,Cosh[\,4\,x\,]\,+c\,Cosh[\,4\,x\,]\,+c\,Cosh[\,4\,x\,]\,+c\,Cosh[\,4\,x\,]\,+c\,Cosh[\,4\,x\,]\,+c\,Cosh[\,4\,x\,]\,+c\,Cosh[\,4\,x\,]\,+c\,Cosh[\,4\,x\,]\,+c\,Cosh[\,4\,x\,]\,+c\,Cosh[\,4\,x\,]\,+c\,Cosh[\,4\,x\,]\,+c\,Cosh[\,4\,x\,]\,+c\,Cosh[\,4\,x\,]\,+c\,Cosh[\,4\,x\,]\,+c\,Cosh[\,4\,x\,]\,+c\,Cosh[\,4\,x\,]\,+c\,Cosh[\,4\,x\,]\,+c\,Cosh[\,4\,x\,]\,+c\,Cosh[\,4\,x\,]\,+c\,Cosh[\,4\,x\,]\,+c\,Cosh[\,4\,x\,]\,+c\,Cosh[\,4\,x\,]\,+c\,Cosh[\,4\,x\,]\,+c\,Cosh[\,4\,x\,]\,+c\,Cosh[\,4\,x\,]\,+c\,Cosh[\,4\,x\,]\,+c\,Cosh[\,4\,x\,]\,+c\,Cosh[\,4\,x\,]\,+c\,Cosh[\,4\,x\,]\,+c\,Cosh[\,4\,x\,]\,+c\,Cosh[\,4\,x\,]\,+c\,Cosh[\,4\,x\,]\,+c\,Cosh[\,4\,x\,]\,+c\,Cosh[\,4\,x\,]\,+c\,Cosh[\,4\,x\,]\,+c\,Cosh[\,4\,x\,]\,+c\,Cosh[\,4\,x\,]\,+c\,Cosh[\,4\,x\,]\,+c\,Cosh[\,4\,x\,]\,+c\,Cosh[\,4\,x\,]\,+c\,Cosh[\,4\,x\,]\,+c\,Cosh[\,4\,x\,]\,+c\,Cosh[\,4\,x\,]\,+c\,Cosh[\,4\,x\,]\,+c\,Cosh[\,4\,x\,]\,+c\,Cosh[\,4\,x\,]\,+c\,Cosh[\,4\,x\,]\,+c\,Cosh[\,4\,x\,]\,+c\,Cosh[\,4\,x\,]\,+c\,Cosh[\,4\,x\,]\,+c\,Cosh[\,4\,x\,]\,+
                                                                            \sqrt{3 \text{ a} - \text{b} + 3 \text{ c} + 4 \text{ a} \text{ Cosh}[2 \text{ x}] - 4 \text{ c} \text{ Cosh}[2 \text{ x}] + \text{a} \text{ Cosh}[4 \text{ x}] + \text{b} \text{ Cosh}[4 \text{ x}] + \text{c} \text{ Cosh}[4 \text{ x}] + \sqrt{\text{a} + \text{b} + \text{c}}}
                                                                            \sqrt{(2b^2 - 8ac + a(3a - b + 3c + 4aCosh[2x] - 4cCosh[2x] + aCosh[4x] + bCosh[4x] + cCosh[4x])} + cCosh[4x] + cCos
                                                                                                     b \; (3 \; a \; - \; b \; + \; 3 \; c \; + \; 4 \; a \; Cosh[\; 2 \; x] \; - \; 4 \; c \; Cosh[\; 2 \; x] \; + \; a \; Cosh[\; 4 \; x] \; + \; b \; Cosh[\; 4 \; x] \; + \; c \; Cosh[\; 4 \; x] \; ) \; + \; c \; Cosh[\; 4 \; x] \; ) \; + \; c \; Cosh[\; 4 \; x] \; ) \; + \; c \; Cosh[\; 4 \; x] \; ) \; + \; c \; Cosh[\; 4 \; x] \; ) \; + \; c \; Cosh[\; 4 \; x] \; ) \; + \; c \; Cosh[\; 4 \; x] \; ) \; + \; c \; Cosh[\; 4 \; x] \; ) \; + \; c \; Cosh[\; 4 \; x] \; ) \; + \; c \; Cosh[\; 4 \; x] \; ) \; + \; c \; Cosh[\; 4 \; x] \; ) \; + \; c \; Cosh[\; 4 \; x] \; ) \; + \; c \; Cosh[\; 4 \; x] \; ) \; + \; c \; Cosh[\; 4 \; x] \; ) \; + \; c \; Cosh[\; 4 \; x] \; ) \; + \; c \; Cosh[\; 4 \; x] \; ) \; + \; c \; Cosh[\; 4 \; x] \; ) \; + \; c \; Cosh[\; 4 \; x] \; ) \; + \; c \; Cosh[\; 4 \; x] \; ) \; + \; c \; Cosh[\; 4 \; x] \; ) \; + \; c \; Cosh[\; 4 \; x] \; ) \; + \; c \; Cosh[\; 4 \; x] \; ) \; + \; c \; Cosh[\; 4 \; x] \; ) \; + \; c \; Cosh[\; 4 \; x] \; ) \; + \; c \; Cosh[\; 4 \; x] \; ) \; + \; c \; Cosh[\; 4 \; x] \; ) \; + \; c \; Cosh[\; 4 \; x] \; ) \; + \; c \; Cosh[\; 4 \; x] \; ) \; + \; c \; Cosh[\; 4 \; x] \; ) \; + \; c \; Cosh[\; 4 \; x] \; ) \; + \; c \; Cosh[\; 4 \; x] \; ) \; + \; c \; Cosh[\; 4 \; x] \; ) \; + \; c \; Cosh[\; 4 \; x] \; ) \; + \; c \; Cosh[\; 4 \; x] \; ) \; + \; c \; Cosh[\; 4 \; x] \; ) \; + \; c \; Cosh[\; 4 \; x] \; ) \; + \; c \; Cosh[\; 4 \; x] \; ) \; + \; c \; Cosh[\; 4 \; x] \; ) \; + \; c \; Cosh[\; 4 \; x] \; ) \; + \; c \; Cosh[\; 4 \; x] \; ) \; + \; c \; Cosh[\; 4 \; x] \; ) \; + \; c \; Cosh[\; 4 \; x] \; ) \; + \; c \; Cosh[\; 4 \; x] \; ) \; + \; c \; Cosh[\; 4 \; x] \; ) \; + \; c \; Cosh[\; 4 \; x] \; ) \; + \; c \; Cosh[\; 4 \; x] \; ) \; + \; c \; Cosh[\; 4 \; x] \; ) \; + \; c \; Cosh[\; 4 \; x] \; ) \; + \; c \; Cosh[\; 4 \; x] \; ) \; + \; c \; Cosh[\; 4 \; x] \; ) \; + \; c \; Cosh[\; 4 \; x] \; ) \; + \; c \; Cosh[\; 4 \; x] \; ) \; + \; c \; Cosh[\; 4 \; x] \; ) \; + \; c \; Cosh[\; 4 \; x] \; ) \; + \; c \; Cosh[\; 4 \; x] \; ) \; + \; c \; Cosh[\; 4 \; x] \; ) \; + \; c \; Cosh[\; 4 \; x] \; ) \; + \; c \; Cosh[\; 4 \; x] \; + \; c \; Cosh[\; 4 \; x] \; ) \; + \; c \; Cosh[\; 4 \; x] \; + \; c \; Cosh[\; 4 \; x] \; ) \; + \; c \; Cosh[\; 4 \; x] \; + \; c \; Cosh[\; 4 \; x] \; + \; c \; Cosh[\; 4 \; x] \; + \; c \; Cosh[\; 4 \; x] \; + \; c \; Cosh[\; 4 \; x] \; + \; c \; Cosh[\; 4 \; x] \; + \; c \; Cosh[\; 4 \; x] \; + \; c \; Cosh[\; 4 \; x] \; + \; c \; Cosh[\;
                                                                                                     \texttt{c} \; (3 \; \texttt{a} \; - \; \texttt{b} \; + \; 3 \; \texttt{c} \; + \; 4 \; \texttt{a} \; \texttt{Cosh}[\; 2 \; \texttt{x}] \; - \; 4 \; \texttt{c} \; \texttt{Cosh}[\; 2 \; \texttt{x}] \; + \; \texttt{a} \; \texttt{Cosh}[\; 4 \; \texttt{x}] \; + \; \texttt{b} \; \texttt{Cosh}[\; 4 \; \texttt{x}] \; + \; \texttt{c} \; \texttt{Cosh}[\; 4 \; \texttt{x}] \; ) \; \Big) \; \Big| \; \Big| \; \\
\operatorname{Sech}[x]^{2}(4 \operatorname{a} \sinh[2 x] - 4 \operatorname{c} \sinh[2 x] + 2 \operatorname{a} \sinh[4 x] + 2 \operatorname{b} \sinh[4 x] + 2 \operatorname{c} \sinh[4 x])
                                                                                                                            2 b Cosh[2x] Sech[x]^2
         \sqrt{3 a - b + 3 c + 4 (a - c) \cosh[2x] + (a + b + c) \cosh[4x]}
                                                                                                                                     2 c Cosh[2x] Sech[x]^2
                    \sqrt{3 a - b + 3 c + 4 (a - c) \cosh[2 x] + (a + b + c) \cosh[4 x]}
                                                                                                                                  2 \operatorname{cCosh}[2x]^2 \operatorname{Sech}[x]^2
                    \sqrt{3 a} - b + 3 c + 4 (a - c) Cosh[2x] + (a + b + c) Cosh[4x]
                                                                                                                                 2 c Sech[x]^2 Sinh[2x]^2
                   \sqrt{3 a - b + 3 c + 4 (a - c) \cosh[2 x] + (a + b + c) \cosh[4 x]}
                  b \operatorname{Sech}[x]^2 \operatorname{Sinh}[2x] (8 (a-c) \operatorname{Sinh}[2x] + 4 (a+b+c) \operatorname{Sinh}[4x])
                                     2(3a-b+3c+4(a-c) Cosh[2x] + (a+b+c) Cosh[4x])^{3/2}
                  c \, Sech[x]^2 \, Sinh[2x] (8 (a - c) \, Sinh[2x] + 4 (a + b + c) \, Sinh[4x])
                                      2\ (3\ a-b+3\ c+4\ (a-c)\ Cosh[\,2\,x\,]\ +\ (a+b+c)\ Cosh[\,4\,x\,]\,)^{\,3/2}
                  c Cosh[2x] Sech[x]^{2} Sinh[2x] (8 (a-c) Sinh[2x] + 4 (a+b+c) Sinh[4x])
                                                                       2 (3 a - b + 3 c + 4 (a - c) Cosh[2x] + (a + b + c) Cosh[4x])^{3/2}
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2 b Sech[x] 2 Sinh[2x] Tanh[x]
                                                     \sqrt{3 a - b + 3 c + 4 (a - c) Cosh[2x] + (a + b + c) Cosh[4x]}
                                                                                                                                                                                                      2 c \operatorname{Sech}[x]^2 \operatorname{Sinh}[2 x] \operatorname{Tanh}[x]
                                                   \sqrt{3 a - b + 3 c + 4 (a - c) Cosh[2x] + (a + b + c) Cosh[4x]}
                                                 \frac{2 c Cosh[2 x] Sech[x]^{2} Sinh[2 x] Tanh[x]}{\sqrt{3 a - b + 3 c + 4 (a - c) Cosh[2 x] + (a + b + c) Cosh[4 x]}}
32 \; (b-c+c \; Cosh[2 \; x]) \; \sqrt{3 \; a-b+3 \; c+4 \; a \; Cosh[2 \; x] \; -4 \; c \; Cosh[2 \; x] \; +a \; Cosh[4 \; x] \; +b \; Cosh[4 \; x] \; +c \; Cosh[4 \; x]
                  \sqrt{(2b^2 - 8ac + a(3a - b + 3c + 4aCosh[2x] - 4cCosh[2x] + aCosh[4x] + bCosh[4x] + cCosh[4x])}
                                                           b \; (3 \; a \; -b \; + \; 3 \; c \; + \; 4 \; a \; Cosh [\; 2 \; x\;] \; - \; 4 \; c \; Cosh [\; 2 \; x\;] \; + \; a \; Cosh [\; 4 \; x\;] \; + \; b \; Cosh [\; 4 \; x\;] \; + \; c \; Cosh [\; 4 \; x\;] \; ) \; + \; c \; Cosh [\; 4 \; x\;] \; ) \; + \; c \; Cosh [\; 4 \; x\;] \; ) \; + \; c \; Cosh [\; 4 \; x\;] \; ) \; + \; c \; Cosh [\; 4 \; x\;] \; ) \; + \; c \; Cosh [\; 4 \; x\;] \; ) \; + \; c \; Cosh [\; 4 \; x\;] \; ) \; + \; c \; Cosh [\; 4 \; x\;] \; ) \; + \; c \; Cosh [\; 4 \; x\;] \; ) \; + \; c \; Cosh [\; 4 \; x\;] \; ) \; + \; c \; Cosh [\; 4 \; x\;] \; ) \; + \; c \; Cosh [\; 4 \; x\;] \; ) \; + \; c \; Cosh [\; 4 \; x\;] \; ) \; + \; c \; Cosh [\; 4 \; x\;] \; ) \; + \; c \; Cosh [\; 4 \; x\;] \; ) \; + \; c \; Cosh [\; 4 \; x\;] \; ) \; + \; c \; Cosh [\; 4 \; x\;] \; ) \; + \; c \; Cosh [\; 4 \; x\;] \; ) \; + \; c \; Cosh [\; 4 \; x\;] \; ) \; + \; c \; Cosh [\; 4 \; x\;] \; ) \; + \; c \; Cosh [\; 4 \; x\;] \; ) \; + \; c \; Cosh [\; 4 \; x\;] \; ) \; + \; c \; Cosh [\; 4 \; x\;] \; ) \; + \; c \; Cosh [\; 4 \; x\;] \; ) \; + \; c \; Cosh [\; 4 \; x\;] \; ) \; + \; c \; Cosh [\; 6 \; x\;] \; ) \; + \; c \; Cosh [\; 6 \; x\;] \; ) \; + \; c \; Cosh [\; 6 \; x\;] \; ) \; + \; c \; Cosh [\; 6 \; x\;] \; ) \; + \; c \; Cosh [\; 6 \; x\;] \; ) \; + \; c \; Cosh [\; 6 \; x\;] \; ) \; + \; c \; Cosh [\; 6 \; x\;] \; ) \; + \; c \; Cosh [\; 6 \; x\;] \; ) \; + \; c \; Cosh [\; 6 \; x\;] \; ) \; + \; c \; Cosh [\; 6 \; x\;] \; ) \; + \; c \; Cosh [\; 6 \; x\;] \; ) \; + \; c \; Cosh [\; 6 \; x\;] \; ) \; + \; c \; Cosh [\; 6 \; x\;] \; ) \; + \; c \; Cosh [\; 6 \; x\;] \; ) \; + \; c \; Cosh [\; 6 \; x\;] \; ) \; + \; c \; Cosh [\; 6 \; x\;] \; ) \; + \; c \; Cosh [\; 6 \; x\;] \; ) \; + \; c \; Cosh [\; 6 \; x\;] \; ) \; + \; c \; Cosh [\; 6 \; x\;] \; ) \; + \; c \; Cosh [\; 6 \; x\;] \; ) \; + \; c \; Cosh [\; 6 \; x\;] \; ) \; + \; c \; Cosh [\; 6 \; x\;] \; ) \; + \; c \; Cosh [\; 6 \; x\;] \; ) \; + \; c \; Cosh [\; 6 \; x\;] \; ) \; + \; c \; Cosh [\; 6 \; x\;] \; + \; c \; Cosh [\; 6 \; x\;] \; ) \; + \; c \; Cosh [\; 6 \; x\;] \; ) \; + \; c \; Cosh [\; 6 \; x\;] \; ) \; + \; c \; Cosh [\; 6 \; x\;] \; + \; c \; Cosh [\; 6 \; x\;] \; ) \; + \; c \; Cosh [\; 6 \; x\;] \; + \; c \; Cosh [\; 6 \; x\;] \; + \; c \; Cosh [\; 6 \; x\;] \; + \; c \; Cosh [\; 6 \; x\;] \; + \; c \; Cosh [\; 6 \; x\;] \; + \; c \; Cosh [\; 6 \; x\;] \; + \; c \; Cosh [\; 6 \; x\;] \; + \; c \; Cosh [\; 6 \; x\;] \; + \; c \; Cosh [\; 6 \; x\;] \; + \; c \; Cosh [\; 6 \; x\;] \;
                                                              c(3a-b+3c+4aCosh[2x]-4cCosh[2x]+aCosh[4x]+bCosh[4x]+cCosh[4x])
                \sqrt{\left(\frac{1}{a+b+c}\left(-4 \ a-2 \ b+\sqrt{2} \ \sqrt{\left(2 \ b^2-8 \ a \ c+a \ \left(3 \ a-b+3 \ c+4 \ a \ Cosh[2 \ x]\right.\right. - 4 \ c \ Cosh[2 \ x] \ + a \ Cosh[4 \ x] \ + b \ Cosh[4 \ x]
                                                                                                                                                                                              \texttt{c} \; \texttt{Cosh} [\, 4 \; \mathbf{x} \,] \;) \; + \; \texttt{b} \; (\, 3 \; \texttt{a} \; - \; \texttt{b} \; + \; 3 \; \texttt{c} \; + \; 4 \; \texttt{a} \; \texttt{Cosh} [\, 2 \; \mathbf{x} \,] \; - \; 4 \; \texttt{c} \; \texttt{Cosh} [\, 2 \; \mathbf{x} \,] \; + \; \texttt{a} \; \texttt{Cosh} [\, 4 \; \mathbf{x} \,] \; + \; \texttt{b} \; \texttt{Cosh} [\, 4 \; \mathbf{x} \,] \; + \; \texttt{c} \; \texttt{Cosh} [\, 4 \; \mathbf{x} \,] \;) \; + \; \texttt{c} \; \texttt{cosh} [\, 4 \; \mathbf{x} \,] \; + \; \texttt{c} \; \texttt{cosh} [\, 4 \; \mathbf{x} \,] \; + \; \texttt{c} \; \texttt{cosh} [\, 4 \; \mathbf{x} \,] \; + \; \texttt{c} \; \texttt{cosh} [\, 4 \; \mathbf{x} \,] \; + \; \texttt{c} \; \texttt{cosh} [\, 4 \; \mathbf{x} \,] \; + \; \texttt{c} \; \texttt{cosh} [\, 4 \; \mathbf{x} \,] \; + \; \texttt{c} \; \texttt{cosh} [\, 4 \; \mathbf{x} \,] \; + \; \texttt{c} \; \texttt{cosh} [\, 4 \; \mathbf{x} \,] \; + \; \texttt{c} \; \texttt{cosh} [\, 4 \; \mathbf{x} \,] \; + \; \texttt{c} \; \texttt{cosh} [\, 4 \; \mathbf{x} \,] \; + \; \texttt{c} \; \texttt{cosh} [\, 4 \; \mathbf{x} \,] \; + \; \texttt{c} \; \texttt{cosh} [\, 4 \; \mathbf{x} \,] \; + \; \texttt{c} \; \texttt{cosh} [\, 4 \; \mathbf{x} \,] \; + \; \texttt{c} \; \texttt{cosh} [\, 4 \; \mathbf{x} \,] \; + \; \texttt{c} \; \texttt{cosh} [\, 4 \; \mathbf{x} \,] \; + \; \texttt{c} \; \texttt{cosh} [\, 4 \; \mathbf{x} \,] \; + \; \texttt{c} \; \texttt{cosh} [\, 4 \; \mathbf{x} \,] \; + \; \texttt{c} \; \texttt{cosh} [\, 4 \; \mathbf{x} \,] \; + \; \texttt{c} \; \texttt{cosh} [\, 4 \; \mathbf{x} \,] \; + \; \texttt{c} \; \texttt{cosh} [\, 4 \; \mathbf{x} \,] \; + \; \texttt{c} \; \texttt{cosh} [\, 4 \; \mathbf{x} \,] \; + \; \texttt{c} \; \texttt{cosh} [\, 4 \; \mathbf{x} \,] \; + \; \texttt{c} \; \texttt{cosh} [\, 4 \; \mathbf{x} \,] \; + \; \texttt{c} \; \texttt{cosh} [\, 4 \; \mathbf{x} \,] \; + \; \texttt{c} \; \texttt{cosh} [\, 4 \; \mathbf{x} \,] \; + \; \texttt{c} \; \texttt{cosh} [\, 4 \; \mathbf{x} \,] \; + \; \texttt{c} \; \texttt{cosh} [\, 4 \; \mathbf{x} \,] \; + \; \texttt{c} \; \texttt{cosh} [\, 4 \; \mathbf{x} \,] \; + \; \texttt{c} \; \texttt{cosh} [\, 4 \; \mathbf{x} \,] \; + \; \texttt{c} \; \texttt{cosh} [\, 4 \; \mathbf{x} \,] \; + \; \texttt{c} \; \texttt{cosh} [\, 4 \; \mathbf{x} \,] \; + \; \texttt{c} \; \texttt{cosh} [\, 4 \; \mathbf{x} \,] \; + \; \texttt{c} \; \texttt{cosh} [\, 4 \; \mathbf{x} \,] \; + \; \texttt{c} \; \texttt{cosh} [\, 4 \; \mathbf{x} \,] \; + \; \texttt{c} \; \texttt{cosh} [\, 4 \; \mathbf{x} \,] \; + \; \texttt{c} \; \texttt{cosh} [\, 4 \; \mathbf{x} \,] \; + \; \texttt{c} \; \texttt{cosh} [\, 4 \; \mathbf{x} \,] \; + \; \texttt{c} \; \texttt{cosh} [\, 4 \; \mathbf{x} \,] \; + \; \texttt{c} \; \texttt{cosh} [\, 4 \; \mathbf{x} \,] \; + \; \texttt{c} \; \texttt{cosh} [\, 4 \; \mathbf{x} \,] \; + \; \texttt{c} \; \texttt{cosh} [\, 4 \; \mathbf{x} \,] \; + \; \texttt{c} \; \texttt{cosh} [\, 4 \; \mathbf{x} \,] \; + \; \texttt{c} \; \texttt{cosh} [\, 4 \; \mathbf{x} \,] \; + \; \texttt{c} \; \texttt{cosh} [\, 4 \; \mathbf{x} \,] \; + \; \texttt{c} \; \texttt{cosh} [\, 4 \; \mathbf{x} \,] \; + \; \texttt{c} \; \texttt{cosh} [\, 4 \; \mathbf{x} \,] \; + \; \texttt{c} \; \texttt{cosh} [\, 4 \; \mathbf{x} \,] \; + \; \texttt{c} \; \texttt{cosh} [\, 4 \; \mathbf{x} \,] \; + \; \texttt{c} \; \texttt{cosh} [\, 4 \; \mathbf{x} \,] \; + \;
                                                                                                                                                   c (3 a - b + 3 c + 4 a Cosh[2 x] - 4 c Cosh[2 x] + a Cosh[4 x] + b Cosh[4 x] + c Cosh[4 x]))
                      \left[-2 \text{ a} + 2 \text{ c} + \sqrt{2} \sqrt{2 \text{ b}^2 - 8 \text{ a} \text{ c} + \text{ a} (3 \text{ a} - \text{b} + 3 \text{ c} + 4 \text{ a} \text{ Cosh}[2 \text{ x}] - 4 \text{ c} \text{ Cosh}[2 \text{ x}] + \text{a} \text{ Cosh}[4 \text{ x}] + \text{b} \text{ Cosh}[4 \text{ x}] + \text{c} \text{cosh}[4 \text{ x}] + \text{c} \text{cosh}[4 \text{ x}] + \text{c} \text{cosh}[4 \text{ x}] +
                                                                                                      b \; (3 \; a \; -b \; + \; 3 \; c \; + \; 4 \; a \; Cosh[\; 2 \; x] \; - \; 4 \; c \; Cosh[\; 2 \; x] \; + \; a \; Cosh[\; 4 \; x] \; + \; b \; Cosh[\; 4 \; x] \; + \; c \; Cosh[\; 4 \; x] \; ) \; + \; c \; Cosh[\; 4 \; x] \; ) \; + \; c \; Cosh[\; 4 \; x] \; ) \; + \; c \; Cosh[\; 4 \; x] \; ) \; + \; c \; Cosh[\; 4 \; x] \; ) \; + \; c \; Cosh[\; 4 \; x] \; ) \; + \; c \; Cosh[\; 4 \; x] \; ) \; + \; c \; Cosh[\; 4 \; x] \; ) \; + \; c \; Cosh[\; 4 \; x] \; ) \; + \; c \; Cosh[\; 4 \; x] \; ) \; + \; c \; Cosh[\; 4 \; x] \; ) \; + \; c \; Cosh[\; 4 \; x] \; ) \; + \; c \; Cosh[\; 4 \; x] \; ) \; + \; c \; Cosh[\; 4 \; x] \; ) \; + \; c \; Cosh[\; 4 \; x] \; ) \; + \; c \; Cosh[\; 4 \; x] \; ) \; + \; c \; Cosh[\; 4 \; x] \; ) \; + \; c \; Cosh[\; 4 \; x] \; ) \; + \; c \; Cosh[\; 4 \; x] \; ) \; + \; c \; Cosh[\; 4 \; x] \; ) \; + \; c \; Cosh[\; 4 \; x] \; ) \; + \; c \; Cosh[\; 4 \; x] \; ) \; + \; c \; Cosh[\; 4 \; x] \; ) \; + \; c \; Cosh[\; 4 \; x] \; ) \; + \; c \; Cosh[\; 4 \; x] \; ) \; + \; c \; Cosh[\; 4 \; x] \; ) \; + \; c \; Cosh[\; 4 \; x] \; ) \; + \; c \; Cosh[\; 4 \; x] \; ) \; + \; c \; Cosh[\; 4 \; x] \; ) \; + \; c \; Cosh[\; 4 \; x] \; ) \; + \; c \; Cosh[\; 4 \; x] \; ) \; + \; c \; Cosh[\; 4 \; x] \; ) \; + \; c \; Cosh[\; 4 \; x] \; ) \; + \; c \; Cosh[\; 4 \; x] \; ) \; + \; c \; Cosh[\; 4 \; x] \; ) \; + \; c \; Cosh[\; 4 \; x] \; ) \; + \; c \; Cosh[\; 4 \; x] \; ) \; + \; c \; Cosh[\; 4 \; x] \; ) \; + \; c \; Cosh[\; 4 \; x] \; ) \; + \; c \; Cosh[\; 4 \; x] \; ) \; + \; c \; Cosh[\; 4 \; x] \; ) \; + \; c \; Cosh[\; 4 \; x] \; ) \; + \; c \; Cosh[\; 4 \; x] \; ) \; + \; c \; Cosh[\; 4 \; x] \; ) \; + \; c \; Cosh[\; 4 \; x] \; ) \; + \; c \; Cosh[\; 4 \; x] \; ) \; + \; c \; Cosh[\; 4 \; x] \; ) \; + \; c \; Cosh[\; 4 \; x] \; ) \; + \; c \; Cosh[\; 4 \; x] \; ) \; + \; c \; Cosh[\; 4 \; x] \; ) \; + \; c \; Cosh[\; 4 \; x] \; ) \; + \; c \; Cosh[\; 4 \; x] \; ) \; + \; c \; Cosh[\; 4 \; x] \; ) \; + \; c \; Cosh[\; 4 \; x] \; ) \; + \; c \; Cosh[\; 4 \; x] \; ) \; + \; c \; Cosh[\; 4 \; x] \; ) \; + \; c \; Cosh[\; 4 \; x] \; ) \; + \; c \; Cosh[\; 4 \; x] \; ) \; + \; c \; Cosh[\; 4 \; x] \; ) \; + \; c \; Cosh[\; 4 \; x] \; ) \; + \; c \; Cosh[\; 4 \; x] \; ) \; + \; c \; Cosh[\; 4 \; x] \; + \; c \; Cosh[\; 4 \; x] \; ) \; + \; c \; Cosh[\; 4 \; x] \; + \; c \; Cosh[\; 4 \; x] \; + \; c \; Cosh[\; 4 \; x] \; + \; c \; Cosh[\; 4 \; x] \; + \; c \; Cosh[\; 4 \; x] \; + \; c \; Cosh[\; 4 \; x] \; + \; c
                                                                                                       c(3a-b+3c+4aCosh[2x]-4cCosh[2x]+aCosh[4x]+bCosh[4x]+cCosh[4x]))
                \sqrt{\left[-1 + \frac{1}{2(a+b+c)} \left(-2a+2c+\sqrt{2}\sqrt{2b^2-8ac+a(3a-b+3c+4aCosh[2x]-4cCosh[2x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCos
                                                                                                                                                                                                               b \, Cosh[4 \, x] + c \, Cosh[4 \, x]) + b \, (3 \, a - b + 3 \, c + 4 \, a \, Cosh[2 \, x] - 4 \, c \, Cosh[2 \, x] + a \, Cosh[4 \, x] + b \, Cosh[4 \,
                                                                                                                                                                                                             c \cosh[4x] + c (3a - b + 3c + 4a \cosh[2x] - 4c \cosh[2x] + a \cosh[4x] + b \cosh[4x] + c \cosh[4x]))
                \sqrt{1 + \frac{1}{2(a+b+c)}} \left( -2a + 2c + \sqrt{2} \sqrt{2b^2 - 8ac + a(3a-b+3c+4a\cosh[2x] - 4c\cosh[2x] + a\cosh[4x] + \frac{1}{2(a+b+c)} \sqrt{2a+2c+\sqrt{2}\sqrt{2b^2 - 8ac + a(3a-b+3c+4a\cosh[2x] - 4c\cosh[2x] + a\cosh[4x] + \frac{1}{2(a+b+c)} \sqrt{2a+2c+\sqrt{2}\sqrt{2b^2 - 8ac + a(3a-b+3c+4a\cosh[2x] - 4c\cosh[2x] + a\cosh[4x] + \frac{1}{2(a+b+c)} \sqrt{2a+2c+\sqrt{2a}\sqrt{2a+2c+2ac}} \right)}
                                                                                                                                                                                                               b \, Cosh[4\,x] + c \, Cosh[4\,x]) + b \, (3\,a - b + 3\,c + 4\,a \, Cosh[2\,x] - 4\,c \, Cosh[2\,x] + a \, Cosh[4\,x] + b 
                                                                                                                                                                                                               c \cosh[4x] + c (3a - b + 3c + 4a \cosh[2x] - 4c \cosh[2x] + a \cosh[4x] + b \cosh[4x] + c \cosh[4x])
                  \sqrt{(3 a - b + 3 c + 4 (a - c) Cosh[2 x] + (a + b + c) Cosh[4 x]) Sech[x]^{4}} + \left| (b - c) (1 + Cosh[2 x]) \right|
                                               3 a - b + 3 c + (4 a - 4 c) Cosh[2x] + (a + b + c) Cosh[4x]
                                                                                                                                                                                                                                                                                 (1 + Cosh[2x])^2
                    (3 a - b + 3 c + 4 (a - c) Cosh[2x] + (a + b + c) Cosh[4x])
                  Csch[x]
                  Sech[x]
```

$$\frac{b \operatorname{Sech}[x]^2 \operatorname{Sinh}[2\,x]}{\sqrt{3\,a - b + 3\,c + 4\,\,(a - c)\,\, \operatorname{Cosh}[2\,x] + (a + b + c)\,\, \operatorname{Cosh}[4\,x]}} - \frac{c \operatorname{Sech}[x]^2 \operatorname{Sinh}[2\,x]}{\sqrt{3\,a - b + 3\,c + 4\,\,(a - c)\,\, \operatorname{Cosh}[2\,x] + (a + b + c)\,\, \operatorname{Cosh}[4\,x]}} + \frac{c \operatorname{Cosh}[2\,x] \operatorname{Sech}[x]^2 \operatorname{Sinh}[2\,x]}{\sqrt{3\,a - b + 3\,c + 4\,\,(a - c)\,\, \operatorname{Cosh}[2\,x] + (a + b + c)\,\, \operatorname{Cosh}[4\,x]}} + \frac{c \operatorname{Cosh}[2\,x] \operatorname{Sech}[x]^2 \operatorname{Sinh}[2\,x]}{\sqrt{3\,a - b + 3\,c + 4\,\,(a - c)\,\, \operatorname{Cosh}[2\,x] + (a + b + c)\,\, \operatorname{Cosh}[4\,x]}} + \frac{\sqrt{c}\,\,\left(2\,b \operatorname{Sech}[x]^2 \operatorname{Tanh}[x] + 4\,c \operatorname{Sech}[x]^2 \operatorname{Tanh}[x]^3\right)}{\sqrt{a + b \operatorname{Tanh}[x]^2 + c \operatorname{Tanh}[x]^4}} \right) \bigg) \bigg/ \left(8 + 2\,c \operatorname{Tanh}[x]^2 + 2\,\sqrt{c}\,\,\sqrt{a + b \operatorname{Tanh}[x]^2 + c \operatorname{Tanh}[x]^4}\right) \bigg) \bigg|$$

Timed out after 60 seconds:

$$\left\{ \frac{ \operatorname{Tanh}[x]^{3}}{\sqrt{a + b \operatorname{Tanh}[x]^{2} + c \operatorname{Tanh}[x]^{4}}}, x, 7, 0 \right\}$$

$$- \frac{\operatorname{ArcTanh}\left[\frac{b + 2 \operatorname{cTanh}[x]^{2}}{2\sqrt{c} \sqrt{a + b \operatorname{Tanh}[x]^{2} + c \operatorname{Tanh}[x]^{4}}}\right]}{2\sqrt{c}} + \frac{\operatorname{ArcTanh}\left[\frac{2 \operatorname{a + b + (b + 2 c) \operatorname{Tanh}[x]^{2}}}{\sqrt{a + b + c} \sqrt{a + b \operatorname{Tanh}[x]^{2} + c \operatorname{Tanh}[x]^{4}}}\right]}{2\sqrt{a + b + c}}$$
???

Timed out after 60 seconds:

Unable to integrate:

$$\int \frac{\text{Coth}[x]}{\sqrt{a + b \, \text{Tanh}[x]^2 + c \, \text{Tanh}[x]^4}} \, dx$$

Timed out after 60 seconds:

$$\left\{ \frac{ \text{Coth[x]}^3}{\sqrt{a + b \, \text{Tanh[x]}^2 + c \, \text{Tanh[x]}^4}}, \, \, x, \, 9, \, 0 \right\}$$

$$\frac{ \text{ArcTanh} \left[ \frac{2 \, a + b \, \text{Tanh[x]}^2}{2 \, \sqrt{a} \, \sqrt{a + b \, \text{Tanh[x]}^2 + c \, \text{Tanh[x]}^4}} \right] + \frac{b \, \text{ArcTanh} \left[ \frac{2 \, a + b \, \text{Tanh[x]}^2}{2 \, \sqrt{a} \, \sqrt{a + b \, \text{Tanh[x]}^2 + c \, \text{Tanh[x]}^4}} \right]}{2 \, \sqrt{a}} + \frac{ArcTanh \left[ \frac{2 \, a + b + (b + 2 \, c) \, \text{Tanh[x]}^2}{2 \, \sqrt{a + b \, \text{Tanh[x]}^2 + c \, \text{Tanh[x]}^4}} \right]}{2 \, \sqrt{a + b \, \text{Tanh[x]}^2 + c \, \text{Tanh[x]}^4}} - \frac{\text{Coth[x]}^2 \, \sqrt{a + b \, \text{Tanh[x]}^2 + c \, \text{Tanh[x]}^4}}{2 \, a} + \frac{2 \, a}{2 \, a} \right] + \frac{a \, a^{3/2}}{2 \, a} + \frac{a^{3/2}}{2 \, a} +$$

???

Incorrect antiderivative:

$$\left( \left( 2\sqrt{\left( \frac{3\text{ a}}{3 - 4 \cosh[2\,x] + \cosh[4\,x]} - \frac{b}{3 - 4 \cosh[2\,x] + \cosh[4\,x]} + \frac{3\text{ c}}{3 - 4 \cosh[2\,x] + \cosh[4\,x]} - \frac{4\text{ a} \cosh[2\,x] + \cosh[4\,x]}{3 - 4 \cosh[2\,x] + \cosh[4\,x]} + \frac{4\text{ c} \cosh[2\,x]}{3 - 4 \cosh[2\,x] + \cosh[4\,x]} + \frac{a \cosh[4\,x]}{3 - 4 \cosh[4\,x]} + \frac{b \cosh[4\,x]}{3 - 4 \cosh[2\,x] + \cosh[4\,x]} + \frac{c \cosh[4\,x]}{3 - 4 \cosh[2\,x] + \cosh[4\,x]} \right) \left( \frac{b \cosh[4\,x]}{3 - 4 \cosh[2\,x] + \cosh[4\,x]} + \frac{c \cosh[4\,x]}{3 - 4 \cosh[2\,x] + \cosh[4\,x]} \right) \left( \frac{b \cosh[4\,x]}{3 - 4 \cosh[2\,x] + \cosh[4\,x]} + \frac{c \cosh[4\,x]}{3 - 4 \cosh[2\,x] + \cosh[4\,x]} \right) \right) \right)$$

 $(3 \ a - b + 3 \ c - 4 \ a \ Cosh[2 \ x] \ + 4 \ c \ Cosh[2 \ x] \ + a \ Cosh[4 \ x] \ + b \ Cosh[4 \ x] \ + c \ Cosh[4 \ x]) \ - c \ Cosh[4 \ x] \ + c \ Cosh[4 \ x]) \ - c \ Cosh[4 \ x] \ + c \ Cosh[4 \ x]) \ - c \ Cosh[4 \ x] \ + c \ Cosh[4 \ x]) \ - c \ Cosh[4 \ x] \ + c \ Cosh[4 \ x]) \ - c \ Cosh[4 \ x] \ + c \ Cosh[4 \ x]) \ - c \ Cosh[4 \ x] \ - c \ Cosh$ 

```
\frac{3 \text{ a}}{3 - 4 \, \text{Cosh}[2 \, \text{x}] + \text{Cosh}[4 \, \text{x}]} - \frac{b}{3 - 4 \, \text{Cosh}[2 \, \text{x}] + \text{Cosh}[4 \, \text{x}]} + \frac{3 \, c}{3 - 4 \, \text{Cosh}[2 \, \text{x}] + \text{Cosh}[4 \, \text{x}]}
                                                                                                                                                             4 c Cosh[2x]
                                                                                                                                                                                                                                                                                 a Cosh[4x]
                              3 - 4 \cosh[2x] + \cosh[4x] 3 - 4 \cosh[2x] + \cosh[4x] 3 - 4 \cosh[2x] + \cosh[4x]
                                          b Cosh[4x]
                                                                                                                                               c Cosh[4 x]
                                                                                                                                                                                                                                              Sinh[2x]
                              3 - 4 \cosh[2x] + \cosh[4x] 3 - 4 \cosh[2x] + \cosh[4x]
       (c \ (3 \ a - b + 3 \ c - 4 \ a \ Cosh[2 \ x] \ + 4 \ c \ Cosh[2 \ x] \ + a \ Cosh[4 \ x] \ + b \ Cosh[4 \ x] \ + c \ Cosh[4 \ x])) \ + \\
                  \frac{}{3-4\, \text{Cosh}[\,2\,\,\mathrm{x}]\, + \text{Cosh}[\,4\,\,\mathrm{x}]} \, - \, \frac{}{3-4\, \text{Cosh}[\,2\,\,\mathrm{x}]\, + \text{Cosh}[\,4\,\,\mathrm{x}]} \, + \, \frac{}{3-4\, \text{Cosh}[\,2\,\,\mathrm{x}]\, + \text{Cosh}[\,4\,\,\mathrm{x}]} \, + \, \frac{}{3-4\, \text{Cosh}[\,2\,\,\mathrm{x}]\, + \text{Cosh}[\,4\,\,\mathrm{x}]} \, + \, \frac{}{3-4\, \text{Cosh}[\,2\,\,\mathrm{x}]\, + \, \text{Cosh}[\,4\,\,\mathrm{x}]} \, + \, \frac{}{3-4\, \text{Cosh}[
                                                       4 a Cosh[2 x]
                                                                                                                                                              4 c Cosh[2x]
                              3 - 4 \cosh[2x] + \cosh[4x] 3 - 4 \cosh[2x] + \cosh[4x] 3 - 4 \cosh[2x] + \cosh[4x]
                                                        b Cosh[4x]
                             \frac{1}{3-4 \cosh[2x] + \cosh[4x]} + \frac{1}{3-4 \cosh[2x] + \cosh[4x]} \left| \sinh[4x] \right| / \left| \sinh[4x] \right|
      (\,3\;a\,-\,b\,+\,3\;c\,-\,4\;a\;Cosh\,[\,2\;x\,]\,\,+\,4\;c\;Cosh\,[\,2\;x\,]\,\,+\,a\;Cosh\,[\,4\;x\,]\,\,+\,b\;Cosh\,[\,4\;x\,]\,\,+\,c\;Cosh\,[\,4\;x\,]\,\,)
(b-c)\ (1+Cosh[\,2\,x\,]\,)\ (3\,a-b+3\,c-4\ (a-c)\ Cosh[\,2\,x\,]\,+\,(a+b+c)\ Cosh[\,4\,x\,]\,)
                     \frac{3 \text{ a - b + 3 c + (-4 a + 4 c) } \text{Cosh[2x] + (a + b + c) } \text{Cosh[4x]}}{(1 + \text{Cosh[2x]})^{2}} \text{Csch[x]} 
                \left[ Log \left[ \sqrt{c} Tanh[x]^2 \right] - Log \left[ 2c + b Tanh[x]^2 + 2\sqrt{c} \sqrt{c + Tanh[x]^2 (b + a Tanh[x]^2)} \right] \right]
                                                                                         c Csch[x]^2 Sinh[2x]
                         \sqrt{3 a - b + 3 c - 4 (a - c) Cosh[2 x] + (a + b + c) Cosh[4 x]}
                                                                        c Cosh[2x] Csch[x]^2 Sinh[2x]
                         \sqrt{\,3\,\,a-b+3\,\,c-4\,\,(a-c)\,\,Cosh[\,2\,\,x\,]\,\,+\,\,(a+b+c)\,\,Cosh[\,4\,\,x\,]}
       \left(8\,\sqrt{2}\,\,\sqrt{c}\,\,\left(b-c-c\,Cosh[\,2\,x]\,\right)\,\sqrt{3\,a-b+3\,c+(-4\,a+4\,c)\,\,Cosh[\,2\,x]\,+(a+b+c)\,\,Cosh[\,4\,x]}\right)
              \sqrt{(3 a - b + 3 c - 4 (a - c) Cosh[2 x] + (a + b + c) Cosh[4 x]) Csch[x]^4}
    c \, Cosh[2 \, x] \, (3 \, a - b + 3 \, c - 4 \, (a - c) \, Cosh[2 \, x] + (a + b + c) \, Cosh[4 \, x])
```

```
2 \text{ a} \sqrt{3 \text{ a} - \text{b} + 3 \text{ c} - 4 \text{ a} \text{ Cosh}[2 \text{ x}] + 4 \text{ c} \text{ Cosh}[2 \text{ x}] + \text{a} \text{ Cosh}[4 \text{ x}] + \text{b} \text{ Cosh}[4 \text{ x}] + \text{c} \text{ Cosh}[4 \text{ x}]} + \text{c} \text{ Cosh}[4 \text{ x}] + \text{c} \text{cosh}[4 \text{ x}] + \text
                           2 b \sqrt{3} a - b + 3 c - 4 a \cosh[2 x] + 4 c \cosh[2 x] + a \cosh[4 x] + b \cosh[4 x] + c \cosh[4 x] + c \cosh[4 x]
                           2 c \sqrt{3 a - b + 3 c - 4 a Cosh[2 x] + 4 c Cosh[2 x] + a Cosh[4 x] + b Cosh[4 x] + c Cosh[4 x]}
 \sqrt{\left[\frac{1}{2^{2} + b^{2} + c^{2}} \left(-2 b - 4 c + \sqrt{2} \sqrt{2 b^{2} - 8 a c + a (3 a - b + 3 c - 4 a \cosh[2 x] + 4 c \cosh[2 x] + a \cosh[4 x] + b 
                                                                                                                                                          \texttt{c} \; \texttt{Cosh[4\,x])} \; + \; \texttt{b} \; (3\; \texttt{a} \; - \; \texttt{b} \; + \; \texttt{3}\; \texttt{c} \; - \; \texttt{4}\; \texttt{a}\; \texttt{Cosh[2\,x]} \; + \; \texttt{4}\; \texttt{c}\; \texttt{Cosh[2\,x]} \; + \; \texttt{a}\; \texttt{Cosh[4\,x]} \; + \; \texttt{b}\; \texttt{Cosh[4\,x]} \; + \; \texttt{c}\; \texttt{Cosh[4\,x]}) \; + \; \texttt{c}\; \texttt{cosh[4\,x]} \; + \; \texttt{c
                                                                                                                   c (3 a - b + 3 c - 4 a Cosh[2 x] + 4 c Cosh[2 x] + a Cosh[4 x] + b Cosh[4 x] + c Cosh[4 x]))
Csch[x]2
                         \frac{1}{2\sqrt{c}} \operatorname{ArcTanh} \left[ \left( (b+2c) \sqrt{3 a - b + 3 c - 4 a \cosh[2x] + 4 c \cosh[2x] + a \cosh[4x] + b \cosh[4x] + b \cosh[4x] + c \cosh[4x] } \right) \right] 
                                                                      2\sqrt{c}\sqrt{(2b^2-8ac+a(3a-b+3c-4a\cosh[2x]+4c\cosh[2x]+a\cosh[4x]+b\cosh[4x]+c\cosh[4x])}
                                                                                                                                b(3a-b+3c-4aCosh[2x]+4cCosh[2x]+aCosh[4x]+bCosh[4x]+cCosh[4x])
                                                                                                                                c(3a-b+3c-4aCosh[2x]+4cCosh[2x]+aCosh[4x]+bCosh[4x]+cCosh[4x])))
                           \frac{1}{\sqrt{a+b+c}} \; Log \Big[ 2 \left( a \sqrt{3 \, a - b + 3 \, c - 4 \, a \, Cosh[2 \, x] + 4 \, c \, Cosh[2 \, x] + a \, Cosh[4 \, x] + b \, Cosh[4 \, x] + c \, Cosh[4 \, x] \right. \\ \left. + \frac{1}{\sqrt{a+b+c}} \; Log \left[ 2 \left( a \sqrt{3 \, a - b + 3 \, c - 4 \, a \, Cosh[2 \, x] + 4 \, c \, Cosh[2 \, x] + a \, Cosh[4 \, x] + b \, Cosh[4 \, x] + c \, Cosh[4 \, x] \right) \right] + \frac{1}{\sqrt{a+b+c}} \; Log \left[ 2 \left( a \sqrt{3 \, a - b + 3 \, c - 4 \, a \, Cosh[2 \, x] + 4 \, c \, Cosh[2 \, x] + a \, Cosh[4 \, x] + b \, Cosh[4 \, x] + c \, Cosh[4 
                                                                                        b\,\sqrt{\,3\,a-b+3\,c-4\,a\,Cosh[\,2\,x\,]\,+\,4\,c\,Cosh[\,2\,x\,]\,+\,a\,Cosh[\,4\,x\,]\,+\,b\,Cosh[\,4\,x\,]\,+\,c\,Cosh[\,4\,x\,]\,+\,c\,Cosh[\,4\,x\,]\,+\,c\,Cosh[\,4\,x\,]\,+\,c\,Cosh[\,4\,x\,]\,+\,c\,Cosh[\,4\,x\,]\,+\,c\,Cosh[\,4\,x\,]\,+\,c\,Cosh[\,4\,x\,]\,+\,c\,Cosh[\,4\,x\,]\,+\,c\,Cosh[\,4\,x\,]\,+\,c\,Cosh[\,4\,x\,]\,+\,c\,Cosh[\,4\,x\,]\,+\,c\,Cosh[\,4\,x\,]\,+\,c\,Cosh[\,4\,x\,]\,+\,c\,Cosh[\,4\,x\,]\,+\,c\,Cosh[\,4\,x\,]\,+\,c\,Cosh[\,4\,x\,]\,+\,c\,Cosh[\,4\,x\,]\,+\,c\,Cosh[\,4\,x\,]\,+\,c\,Cosh[\,4\,x\,]\,+\,c\,Cosh[\,4\,x\,]\,+\,c\,Cosh[\,4\,x\,]\,+\,c\,Cosh[\,4\,x\,]\,+\,c\,Cosh[\,4\,x\,]\,+\,c\,Cosh[\,4\,x\,]\,+\,c\,Cosh[\,4\,x\,]\,+\,c\,Cosh[\,4\,x\,]\,+\,c\,Cosh[\,4\,x\,]\,+\,c\,Cosh[\,4\,x\,]\,+\,c\,Cosh[\,4\,x\,]\,+\,c\,Cosh[\,4\,x\,]\,+\,c\,Cosh[\,4\,x\,]\,+\,c\,Cosh[\,4\,x\,]\,+\,c\,Cosh[\,4\,x\,]\,+\,c\,Cosh[\,4\,x\,]\,+\,c\,Cosh[\,4\,x\,]\,+\,c\,Cosh[\,4\,x\,]\,+\,c\,Cosh[\,4\,x\,]\,+\,c\,Cosh[\,4\,x\,]\,+\,c\,Cosh[\,4\,x\,]\,+\,c\,Cosh[\,4\,x\,]\,+\,c\,Cosh[\,4\,x\,]\,+\,c\,Cosh[\,4\,x\,]\,+\,c\,Cosh[\,4\,x\,]\,+\,c\,Cosh[\,4\,x\,]\,+\,c\,Cosh[\,4\,x\,]\,+\,c\,Cosh[\,4\,x\,]\,+\,c\,Cosh[\,4\,x\,]\,+\,c\,Cosh[\,4\,x\,]\,+\,c\,Cosh[\,4\,x\,]\,+\,c\,Cosh[\,4\,x\,]\,+\,c\,Cosh[\,4\,x\,]\,+\,c\,Cosh[\,4\,x\,]\,+\,c\,Cosh[\,4\,x\,]\,+\,c\,Cosh[\,4\,x\,]\,+\,c\,Cosh[\,4\,x\,]\,+\,c\,Cosh[\,4\,x\,]\,+\,c\,Cosh[\,4\,x\,]\,+\,c\,Cosh[\,4\,x\,]\,+\,c\,Cosh[\,4\,x\,]\,+\,c\,Cosh[\,4\,x\,]\,+\,c\,Cosh[\,4\,x\,]\,+\,c\,Cosh[\,4\,x\,]\,+\,c\,Cosh[\,4\,x\,]\,+\,c\,Cosh[\,4\,x\,]\,+\,c\,Cosh[\,4\,x\,]\,+\,c\,Cosh[\,4\,x\,]\,+\,c\,Cosh[\,4\,x\,]\,+\,c\,Cosh[\,4\,x\,]\,+\,c\,Cosh[\,4\,x\,]\,+\,c\,Cosh[\,4\,x\,]\,+\,c\,Cosh[\,4\,x\,]\,+\,c\,Cosh[\,4\,x\,]\,+\,c\,Cosh[\,4\,x\,]\,+\,c\,Cosh[\,4\,x\,]\,+\,c\,Cosh[\,4\,x\,]\,+\,c\,Cosh[\,4\,x\,]\,+\,c\,Cosh[\,4\,x\,]\,+\,c\,Cosh[\,4\,x\,]\,+\,c\,Cosh[\,4\,x\,]\,+\,c\,Cosh[\,4\,x\,]\,+\,c\,Cosh[\,4\,x\,]\,+\,c\,Cosh[\,4\,x\,]\,+\,c\,Cosh[\,4\,x\,]\,+\,c\,Cosh[\,4\,x\,]\,+\,c\,Cosh[\,4\,x\,]\,+\,c\,Cosh[\,4\,x\,]\,+\,c\,Cosh[\,4\,x\,]\,+\,c\,Cosh[\,4\,x\,]\,+\,c\,Cosh[\,4\,x\,]\,+\,c\,Cosh[\,4\,x\,]\,+\,c\,Cosh[\,4\,x\,]\,+\,c\,Cosh[\,4\,x\,]\,+\,c\,Cosh[\,4\,x\,]\,+\,c\,Cosh[\,4\,x\,]\,+\,c\,Cosh[\,4\,x\,]\,+\,c\,Cosh[\,4\,x\,]\,+\,c\,Cosh[\,4\,x\,]\,+\,c\,Cosh[\,4\,x\,]\,+\,c\,Cosh[\,4\,x\,]\,+\,c\,Cosh[\,4\,x\,]\,+\,c\,Cosh[\,4\,x\,]\,+\,c\,Cosh[\,4\,x\,]\,+\,c\,Cosh[\,4\,x\,]\,+\,c\,Cosh[\,4\,x\,]\,+\,c\,Cosh[\,4\,x\,]\,+\,c\,Cosh[\,4\,x\,]\,+\,c\,Cosh[\,4\,x\,]\,+\,c\,Cosh[\,4\,x\,]\,+\,c\,Cosh[\,4\,x\,]\,+\,c\,Cosh[\,4\,x\,]\,+\,c\,Cosh[\,4\,x\,]\,+\,c\,Cosh[\,4\,x\,]\,+\,c\,Cosh[\,4\,x\,]\,+\,c\,Cosh[\,4\,x\,]\,+\,c\,Cosh[\,4\,x\,]\,+\,c\,Cosh[\,4\,x\,]\,+\,c\,Cosh[\,4\,x\,]\,+\,c\,Cosh[\,4\,x\,]\,+\,c\,Cosh[\,4\,x\,]\,+\,c\,Cosh[\,4\,x\,]\,+\,c\,Cosh[\,4\,x\,]\,+\,c\,Cosh[\,4\,x\,]\,+\,c\,Cosh[\,4
                                                                                          c\sqrt{3}a-b+3c-4aCosh[2x]+4cCosh[2x]+aCosh[4x]+bCosh[4x]+cCosh[4x]+\sqrt{a+b+c}
                                                                                                        \sqrt{(2b^2 - 8ac + a(3a - b + 3c - 4aCosh[2x] + 4cCosh[2x] + aCosh[4x] + bCosh[4x] + cCosh[4x])}
                                                                                                                                               b \; (\; 3\; a \; - \; b \; + \; 3\; c \; - \; 4\; a \; Cosh[\; 2\; x] \; + \; 4\; c \; Cosh[\; 2\; x] \; + \; a \; Cosh[\; 4\; x] \; + \; b \; Cosh[\; 4\; x] \; + \; c \; Cosh[\; 4\; x] \; ) \; + \; c \; Cosh[\; 4\; x] \; ) \; + \; c \; Cosh[\; 4\; x] \; ) \; + \; c \; Cosh[\; 4\; x] \; ) \; + \; c \; Cosh[\; 4\; x] \; ) \; + \; c \; Cosh[\; 4\; x] \; ) \; + \; c \; Cosh[\; 4\; x] \; ) \; + \; c \; Cosh[\; 4\; x] \; ) \; + \; c \; Cosh[\; 4\; x] \; ) \; + \; c \; Cosh[\; 4\; x] \; ) \; + \; c \; Cosh[\; 4\; x] \; ) \; + \; c \; Cosh[\; 4\; x] \; ) \; + \; c \; Cosh[\; 4\; x] \; ) \; + \; c \; Cosh[\; 4\; x] \; ) \; + \; c \; Cosh[\; 4\; x] \; ) \; + \; c \; Cosh[\; 4\; x] \; ) \; + \; c \; Cosh[\; 4\; x] \; ) \; + \; c \; Cosh[\; 4\; x] \; ) \; + \; c \; Cosh[\; 4\; x] \; ) \; + \; c \; Cosh[\; 4\; x] \; ) \; + \; c \; Cosh[\; 4\; x] \; ) \; + \; c \; Cosh[\; 4\; x] \; ) \; + \; c \; Cosh[\; 4\; x] \; ) \; + \; c \; Cosh[\; 4\; x] \; ) \; + \; c \; Cosh[\; 4\; x] \; ) \; + \; c \; Cosh[\; 4\; x] \; ) \; + \; c \; Cosh[\; 4\; x] \; ) \; + \; c \; Cosh[\; 4\; x] \; ) \; + \; c \; Cosh[\; 4\; x] \; ) \; + \; c \; Cosh[\; 4\; x] \; ) \; + \; c \; Cosh[\; 4\; x] \; ) \; + \; c \; Cosh[\; 4\; x] \; ) \; + \; c \; Cosh[\; 4\; x] \; ) \; + \; c \; Cosh[\; 4\; x] \; ) \; + \; c \; Cosh[\; 4\; x] \; ) \; + \; c \; Cosh[\; 4\; x] \; ) \; + \; c \; Cosh[\; 4\; x] \; ) \; + \; c \; Cosh[\; 4\; x] \; ) \; + \; c \; Cosh[\; 4\; x] \; ) \; + \; c \; Cosh[\; 4\; x] \; ) \; + \; c \; Cosh[\; 4\; x] \; ) \; + \; c \; Cosh[\; 4\; x] \; ) \; + \; c \; Cosh[\; 4\; x] \; ) \; + \; c \; Cosh[\; 4\; x] \; ) \; + \; c \; Cosh[\; 4\; x] \; ) \; + \; c \; Cosh[\; 4\; x] \; ) \; + \; c \; Cosh[\; 4\; x] \; ) \; + \; c \; Cosh[\; 4\; x] \; ) \; + \; c \; Cosh[\; 4\; x] \; ) \; + \; c \; Cosh[\; 4\; x] \; ) \; + \; c \; Cosh[\; 4\; x] \; ) \; + \; c \; Cosh[\; 4\; x] \; ) \; + \; c \; Cosh[\; 4\; x] \; ) \; + \; c \; Cosh[\; 4\; x] \; ) \; + \; c \; Cosh[\; 4\; x] \; ) \; + \; c \; Cosh[\; 4\; x] \; ) \; + \; c \; Cosh[\; 4\; x] \; ) \; + \; c \; Cosh[\; 4\; x] \; ) \; + \; c \; Cosh[\; 4\; x] \; + \; c \; Cosh[\; 4\; x] \; ) \; + \; c \; Cosh[\; 4\; x] \; + \; c \; Cosh[\; 4\; x] \; ) \; + \; c \; Cosh[\; 4\; x] \; + \; c \; Cosh[\; 4
                                                                                                                                            c (3 a - b + 3 c - 4 a Cosh[2 x] + 4 c Cosh[2 x] + a Cosh[4 x] + b Cosh[4 x] + c Cosh[4 x]))
                                                                                                                                                                                                               b \operatorname{Csch}[x]^2 \operatorname{Sinh}[2x]
                              \sqrt{3 a - b + 3 c - 4 (a - c) \cosh[2 x] + (a + b + c) \cosh[4 x]}
                                                                                                                                                                                                                 c Csch[x]^2 Sinh[2x]
                                \sqrt{3 a - b + 3 c - 4 (a - c) \cosh[2 x] + (a + b + c) \cosh[4 x]}
                                                                                                                                                            c Cosh[2x] Csch[x]^2 Sinh[2x]
                                \sqrt{3 a - b + 3 c - 4 (a - c) \cosh[2x] + (a + b + c) \cosh[4x]}
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(-4 \text{ a Sinh}[2 \text{ x}] + 4 \text{ c Sinh}[2 \text{ x}] + 2 \text{ a Sinh}[4 \text{ x}] + 2 \text{ b Sinh}[4 \text{ x}] + 2 \text{ c Sinh}[4 \text{ x}]
                                    16 \; (b-c-c \; Cosh[2 \; x]) \; \sqrt{3 \; a-b+3 \; c-4 \; a \; Cosh[2 \; x] \; + \; 4 \; c \; Cosh[2 \; x] \; + \; a \; Cosh[4 \; x] \; + \; b \; Cosh[4 \; x] \; + \; c \; Cosh[4 \; x] \; + \; b \; Cosh[4 
                                                      \sqrt{\left(2\,b^2-8\,a\,c+a\,\left(3\,a-b+3\,c-4\,a\,Cosh[2\,x]+4\,c\,Cosh[2\,x]+a\,Cosh[4\,x]+b\,Cosh[4\,x]+c\,Cosh[4\,x]\right)}
                                                                                             b \; (3\; a - b + 3\; c - 4\; a\; Cosh[\, 2\; x] \; + \; 4\; c\; Cosh[\, 2\; x] \; + \; a\; Cosh[\, 4\; x] \; + \; b\; Cosh[\, 4\; x] \; + \; c\; Cosh[\, 4\; x] \; ) \; + \; c\; Cosh[\, 4\; x] \; ) \; + \; c\; Cosh[\, 4\; x] \; ) \; + \; c\; Cosh[\, 4\; x] \; ) \; + \; c\; Cosh[\, 4\; x] \; ) \; + \; c\; Cosh[\, 4\; x] \; ) \; + \; c\; Cosh[\, 4\; x] \; ) \; + \; c\; Cosh[\, 4\; x] \; ) \; + \; c\; Cosh[\, 4\; x] \; ) \; + \; c\; Cosh[\, 4\; x] \; ) \; + \; c\; Cosh[\, 4\; x] \; ) \; + \; c\; Cosh[\, 4\; x] \; ) \; + \; c\; Cosh[\, 4\; x] \; ) \; + \; c\; Cosh[\, 4\; x] \; ) \; + \; c\; Cosh[\, 4\; x] \; ) \; + \; c\; Cosh[\, 4\; x] \; ) \; + \; c\; Cosh[\, 4\; x] \; ) \; + \; c\; Cosh[\, 4\; x] \; ) \; + \; c\; Cosh[\, 4\; x] \; ) \; + \; c\; Cosh[\, 4\; x] \; ) \; + \; c\; Cosh[\, 4\; x] \; ) \; + \; c\; Cosh[\, 4\; x] \; ) \; + \; c\; Cosh[\, 4\; x] \; ) \; + \; c\; Cosh[\, 4\; x] \; ) \; + \; c\; Cosh[\, 4\; x] \; ) \; + \; c\; Cosh[\, 4\; x] \; ) \; + \; c\; Cosh[\, 4\; x] \; ) \; + \; c\; Cosh[\, 4\; x] \; ) \; + \; c\; Cosh[\, 4\; x] \; ) \; + \; c\; Cosh[\, 4\; x] \; ) \; + \; c\; Cosh[\, 4\; x] \; ) \; + \; c\; Cosh[\, 4\; x] \; ) \; + \; c\; Cosh[\, 4\; x] \; ) \; + \; c\; Cosh[\, 4\; x] \; ) \; + \; c\; Cosh[\, 4\; x] \; ) \; + \; c\; Cosh[\, 4\; x] \; ) \; + \; c\; Cosh[\, 4\; x] \; ) \; + \; c\; Cosh[\, 4\; x] \; ) \; + \; c\; Cosh[\, 4\; x] \; ) \; + \; c\; Cosh[\, 4\; x] \; ) \; + \; c\; Cosh[\, 4\; x] \; ) \; + \; c\; Cosh[\, 4\; x] \; ) \; + \; c\; Cosh[\, 4\; x] \; ) \; + \; c\; Cosh[\, 4\; x] \; ) \; + \; c\; Cosh[\, 4\; x] \; ) \; + \; c\; Cosh[\, 4\; x] \; ) \; + \; c\; Cosh[\, 4\; x] \; ) \; + \; c\; Cosh[\, 4\; x] \; ) \; + \; c\; Cosh[\, 4\; x] \; ) \; + \; c\; Cosh[\, 4\; x] \; ) \; + \; c\; Cosh[\, 4\; x] \; ) \; + \; c\; Cosh[\, 4\; x] \; ) \; + \; c\; Cosh[\, 4\; x] \; ) \; + \; c\; Cosh[\, 4\; x] \; ) \; + \; c\; Cosh[\, 4\; x] \; ) \; + \; c\; Cosh[\, 4\; x] \; ) \; + \; c\; Cosh[\, 4\; x] \; ) \; + \; c\; Cosh[\, 4\; x] \; ) \; + \; c\; Cosh[\, 4\; x] \; ) \; + \; c\; Cosh[\, 4\; x] \; ) \; + \; c\; Cosh[\, 4\; x] \; ) \; + \; c\; Cosh[\, 4\; x] \; ) \; + \; c\; Cosh[\, 4\; x] \; + \; c\; Cosh[\, 4\; x] \; ) \; + \; c\; Cosh[\, 4\; x] \; + \; c\;
                                                                                             \texttt{c} \; (3 \; \texttt{a} \; - \; \texttt{b} \; + \; 3 \; \texttt{c} \; - \; 4 \; \texttt{a} \; \texttt{Cosh}[\; 2 \; \texttt{x}] \; + \; 4 \; \texttt{c} \; \texttt{Cosh}[\; 2 \; \texttt{x}] \; + \; \texttt{a} \; \texttt{Cosh}[\; 4 \; \texttt{x}] \; + \; \texttt{b} \; \texttt{Cosh}[\; 4 \; \texttt{x}] \; + \; \texttt{c} \; \texttt{Cosh}[\; 4 \; \texttt{x}] \; ) \; )
                                                    \sqrt{\left(\frac{1}{a+b+c}\left(4\,a+2\,b+\sqrt{2}\,\sqrt{\left(2\,b^2-8\,a\,c+a\,\left(3\,a-b+3\,c-4\,a\,Cosh[2\,x]+4\,c\,Cosh[2\,x]+a\,Cosh[4\,x]+b\,Cosh[4\,x]\right)+\right)}\right)}
                                                                                                                                                                                                                c \cosh[4x]) + b (3 a - b + 3 c - 4 a \cosh[2x] + 4 c \cosh[2x] + a \cosh[4x] + b \cosh[4x] + c \cosh[4x]) +
                                                                                                                                                                        c (3 a - b + 3 c - 4 a Cosh[2 x] + 4 c Cosh[2 x] + a Cosh[4 x] + b Cosh[4 x] + c Cosh[4 x]))
                                                          \left[2\,a - 2\,c + \sqrt{2}\,\sqrt{\left(2\,b^2 - 8\,a\,c + a\,\left(3\,a - b + 3\,c - 4\,a\,Cosh[2\,x] + 4\,c\,Cosh[2\,x] + a\,Cosh[4\,x] + b\,Cosh[4\,x] + b\,Cosh[
                                                                                                                                                                        \texttt{c} \; \texttt{Cosh[4\,x])} \; + \; \texttt{b} \; (3 \; \texttt{a} \; - \; \texttt{b} \; + \; 3 \; \texttt{c} \; - \; 4 \; \texttt{a} \; \texttt{Cosh[2\,x]} \; + \; 4 \; \texttt{c} \; \texttt{Cosh[2\,x]} \; + \; \texttt{a} \; \texttt{Cosh[4\,x]} \; + \; \texttt{b} \; \texttt{Cosh[4\,x]} \; + \; \texttt{c} \; \texttt{Cosh[4\,x]}) \; + \; \texttt{c} \; \texttt{cosh[4\,x]} \; + \; \texttt{cosh[4\,x]} \; + \; \texttt{c} \; \texttt{cosh[4\,x]} \; + \; \texttt
                                                                                                                                                 (3 \text{ a} - \text{b} + 3 \text{ c} - 4 \text{ a} \text{ Cosh}[2 \text{ x}] + 4 \text{ c} \text{ Cosh}[2 \text{ x}] + \text{a} \text{ Cosh}[4 \text{ x}] + \text{b} \text{ Cosh}[4 \text{ x}] + \text{c} \text{ Cosh}[4 \text{ x}]))
                                                                                                           \left[2\,a - 2\,c + \sqrt{2}\,\,\sqrt{\left(2\,b^2 - 8\,a\,c + a\,\left(3\,a - b + 3\,c - 4\,a\,Cosh[2\,x] + 4\,c\,Cosh[2\,x] + a\,Cosh[4\,x] + b\,Cosh[4\,x] + b\,Cosh
                                                                                                                                                                                                                           \verb|cCosh[4x]| + b(3a - b + 3c - 4aCosh[2x] + 4cCosh[2x] + aCosh[4x] + bCosh[4x] + cCosh[4x]) + ccosh[4x] + bCosh[4x] + bCosh[
                                                                                                                                                                                     c (3 a - b + 3 c - 4 a Cosh[2x] + 4 c Cosh[2x] + a Cosh[4x] + b Cosh[4x] + c Cosh[4x]))
                                                    \sqrt{\left(1 + \frac{1}{2(a+b+c)} \left(2a-2c+\sqrt{2}\sqrt{2b^2-8ac+a(3a-b+3c-4aCosh[2x]+4cCosh[2x]+accosh[2x]+accosh[2x]+accosh[2x]+accosh[2x]+accosh[2x]+accosh[2x]+accosh[2x]+accosh[2x]+accosh[2x]+accosh[2x]+accosh[2x]+accosh[2x]+accosh[2x]+accosh[2x]+accosh[2x]+accosh[2x]+accosh[2x]+accosh[2x]+accosh[2x]+accosh[2x]+accosh[2x]+accosh[2x]+accosh[2x]+accosh[2x]+accosh[2x]+accosh[2x]+accosh[2x]+accosh[2x]+accosh[2x]+accosh[2x]+accosh[2x]+accosh[2x]+accosh[2x]+accosh[2x]+accosh[2x]+accosh[2x]+accosh[2x]+accosh[2x]+accosh[2x]+accosh[2x]+accosh[2x]+accosh[2x]+accosh[2x]+accosh[2x]+accosh[2x]+accosh[2x]+accosh[2x]+accosh[2x]+accosh[2x]+accosh[2x]+accosh[2x]+accosh[2x]+accosh[2x]+accosh[2x]+accosh[2x]+accosh[2x]+accosh[2x]+accosh[2x]+accosh[2x]+accosh[2x]+accosh[2x]+accosh[2x]+accosh[2x]+accosh[2x]+accosh[2x]+accosh[2x]+accosh[2x]+accosh[2x]+accosh[2x]+accosh[2x]+accosh[2x]+accosh[2x]+accosh[2x]+accosh[2x]+accosh[2x]+accosh[2x]+accosh[2x]+accosh[2x]+accosh[2x]+accosh[2x]+accosh[2x]+accosh[2x]+accosh[2x]+accosh[2x]+accosh[2x]+accosh[2x]+accosh[2x]+accosh[2x]+accosh[2x]+accosh[2x]+accosh[2x]+accosh[2x]+accosh[2x]+accosh[2x]+accosh[2x]+accosh[2x]+accosh[2x]+accosh[2x]+accosh[2x]+accosh[2x]+accosh[2x]+accosh[2x]+accosh[2x]+accosh[2x]+accosh[2x]+accosh[2x]+accosh[2x]+accosh[2x]+accosh[2x]+accosh[2x]+accosh[2x]+accosh[2x]+accosh[2x]+accosh[2x]+accosh[2x]+accosh[2x]+accosh[2x]+accosh[2x]+accosh[2x]+accosh[2x]+accosh[2x]+accosh[2x]+accosh[2x]+accosh[2x]+accosh[2x]+accosh[2x]+accosh[2x]+accosh[2x]+accosh[2x]+accosh[2x]+accosh[2x]+accosh[2x]+accosh[2x]+accosh[2x]+accosh[2x]+accosh[2x]+accosh[2x]+accosh[2x]+accosh[2x]+accosh[2x]+accosh[2x]+accosh[2x]+accosh[2x]+accosh[2x]+accosh[2x]+accosh[2x]+accosh[2x]+accosh[2x]+accosh[2x]+accosh[2x]+accosh[2x]+accosh[2x]+accosh[2x]+accosh[2x]+accosh[2x]+accosh[2x]+accosh[2x]+accosh[2x]+accosh[2x]+accosh[2x]+accosh[2x]+accosh[2x]+accosh[2x]+accosh[2x]+accosh[2x]+accosh[2x]+accosh[2x]+accosh[2x]+accosh[2x]+accosh[2x]+accosh[2x]+accosh[2x]+accosh[2x]+accosh[2x]+accosh[2x]+accosh[2x]+accosh[2x]+accosh[2x]+accosh[2
                                                                                                                                                                                                                             a Cosh[4x] + b Cosh[4x] + c Cosh[4x]) +
                                                                                                                                                                                     b (3 a - b + 3 c - 4 a Cosh[2x] + 4 c Cosh[2x] + a Cosh[4x] + b Cosh[4x] + c Cosh[4x])
                                                                                                                                                                                     c (3 a - b + 3 c - 4 a Cosh[2 x] + 4 c Cosh[2 x] + a Cosh[4 x] + b Cosh[4 x] + c Cosh[4 x]))
                                                    \sqrt{\;(3\;a-b+3\;c-4\;(a-c)\;Cosh[2\,x]\,+\,(a+b+c)\;Cosh[4\,x]\,)\;Csch[x]}
\verb|ccosh[2x]| (-8 | a | Cosh[2x]| + 8 | c | Cosh[2x]| + 8 | a | Cosh[4x]| + 8 | b | Cosh[4x]| + 8 | c | C
                                             (3 a - b + 3 c - 4 (a - c) Cosh[2x] + (a + b + c) Cosh[4x])
                                             2 a \sqrt{3} a - b + 3 c - 4 a \cosh[2 x] + 4 c \cosh[2 x] + a \cosh[4 x] + b \cosh[4 x] + c \cosh[4 x] + c \cosh[4 x]
                                                                    2 b \sqrt{3 a - b + 3 c - 4 a \cosh[2 x] + 4 c \cosh[2 x] + a \cosh[4 x] + b \cosh[4 x] + c \cosh[4 x]} + c \cosh[4 x]
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2 c \sqrt{3 a - b + 3 c - 4 a Cosh[2 x] + 4 c Cosh[2 x] + a Cosh[4 x] + b Cosh[4 x] + c Cosh[4 x]}
                     \verb|cCosh[4x]| + b(3a - b + 3c - 4aCosh[2x] + 4cCosh[2x] + aCosh[4x] + bCosh[4x] + cCosh[4x]) + ccosh[4x] + bCosh[4x] + bCosh[
                                                                                                                                                                              c (3 a - b + 3 c - 4 a Cosh[2 x] + 4 c Cosh[2 x] + a Cosh[4 x] + b Cosh[4 x] + c Cosh[4 x]))
                                                    \frac{1}{2\sqrt{c}} \operatorname{ArcTanh} \left[ \left( (b + 2c) \sqrt{3 a - b + 3 c - 4 a \operatorname{Cosh}[2x] + 4 c \operatorname{Cosh}[2x] + a \operatorname{Cosh}[4x] + b \operatorname{Cosh}[4x] + c \operatorname{Cosh}[4x] \right] \right]
                                                                                                             2\sqrt{c}\sqrt{(2b^2-8ac+a(3a-b+3c-4a\cosh[2x]+4c\cosh[2x]+a\cosh[4x]+b\cosh[4x]+c\cosh[4x])}
                                                                                                                                                                                             b \; (3 \; a - b + 3 \; c - 4 \; a \; Cosh[2 \; x] \; + \; 4 \; c \; Cosh[2 \; x] \; + \; a \; Cosh[4 \; x] \; + \; b \; Cosh[4 \; x] \; + \; c \; Cosh[4 \; x]) \; + \; c \; Cosh[4 \; x] \; + \; c \; Cos
                                                                                                                                                                                            c(3a-b+3c-4aCosh[2x]+4cCosh[2x]+aCosh[4x]+bCosh[4x]+cCosh[4x])))
                                                         \frac{1}{\sqrt{a+b+c}} \, \text{Log} \big[ \, 2 \, \Big( a \, \sqrt{\, 3 \, a-b+3 \, c-4 \, a \, \text{Cosh}[\, 2 \, x] \, + 4 \, c \, \text{Cosh}[\, 2 \, x] \, + a \, \text{Cosh}[\, 4 \, x] \, + b \, \text{Cosh}[\, 4 \, x] \, + c \,
                                                                                                                                        b\,\sqrt{\,3\,\,a\,-\,b\,+\,3\,\,c\,-\,4\,\,a\,\,Cosh\,[\,2\,\,x\,]\,\,+\,4\,\,c\,\,Cosh\,[\,2\,\,x\,]\,\,+\,a\,\,Cosh\,[\,4\,\,x\,]\,\,+\,b\,\,Cosh\,[\,4\,\,x\,]\,\,+\,c\,\,Cosh\,[\,4\,\,x\,]\,\,+\,c\,\,Cosh\,[\,4\,\,x\,]\,\,+\,c\,\,Cosh\,[\,4\,\,x\,]\,\,+\,c\,\,Cosh\,[\,4\,\,x\,]\,\,+\,c\,\,Cosh\,[\,4\,\,x\,]\,\,+\,c\,\,Cosh\,[\,4\,\,x\,]\,\,+\,c\,\,Cosh\,[\,4\,\,x\,]\,\,+\,c\,\,Cosh\,[\,4\,\,x\,]\,\,+\,c\,\,Cosh\,[\,4\,\,x\,]\,\,+\,c\,\,Cosh\,[\,4\,\,x\,]\,\,+\,c\,\,Cosh\,[\,4\,\,x\,]\,\,+\,c\,\,Cosh\,[\,4\,\,x\,]\,\,+\,c\,\,Cosh\,[\,4\,\,x\,]\,\,+\,c\,\,Cosh\,[\,4\,\,x\,]\,\,+\,c\,\,Cosh\,[\,4\,\,x\,]\,\,+\,c\,\,Cosh\,[\,4\,\,x\,]\,\,+\,c\,\,Cosh\,[\,4\,\,x\,]\,\,+\,c\,\,Cosh\,[\,4\,\,x\,]\,\,+\,c\,\,Cosh\,[\,4\,\,x\,]\,\,+\,c\,\,Cosh\,[\,4\,\,x\,]\,\,+\,c\,\,Cosh\,[\,4\,\,x\,]\,\,+\,c\,\,Cosh\,[\,4\,\,x\,]\,\,+\,c\,\,Cosh\,[\,4\,\,x\,]\,\,+\,c\,\,Cosh\,[\,4\,\,x\,]\,\,+\,c\,\,Cosh\,[\,4\,\,x\,]\,\,+\,c\,\,Cosh\,[\,4\,\,x\,]\,\,+\,c\,\,Cosh\,[\,4\,\,x\,]\,\,+\,c\,\,Cosh\,[\,4\,\,x\,]\,\,+\,c\,\,Cosh\,[\,4\,\,x\,]\,\,+\,c\,\,Cosh\,[\,4\,\,x\,]\,\,+\,c\,\,Cosh\,[\,4\,\,x\,]\,\,+\,c\,\,Cosh\,[\,4\,\,x\,]\,\,+\,c\,\,Cosh\,[\,4\,\,x\,]\,\,+\,c\,\,Cosh\,[\,4\,\,x\,]\,\,+\,c\,\,Cosh\,[\,4\,\,x\,]\,\,+\,c\,\,Cosh\,[\,4\,\,x\,]\,\,+\,c\,\,Cosh\,[\,4\,\,x\,]\,\,+\,c\,\,Cosh\,[\,4\,\,x\,]\,\,+\,c\,\,Cosh\,[\,4\,\,x\,]\,\,+\,c\,\,Cosh\,[\,4\,\,x\,]\,\,+\,c\,\,Cosh\,[\,4\,\,x\,]\,\,+\,c\,\,Cosh\,[\,4\,\,x\,]\,\,+\,c\,\,Cosh\,[\,4\,\,x\,]\,\,+\,c\,\,Cosh\,[\,4\,\,x\,]\,\,+\,c\,\,Cosh\,[\,4\,\,x\,]\,\,+\,c\,\,Cosh\,[\,4\,\,x\,]\,\,+\,c\,\,Cosh\,[\,4\,\,x\,]\,\,+\,c\,\,Cosh\,[\,4\,\,x\,]\,\,+\,c\,\,Cosh\,[\,4\,\,x\,]\,\,+\,c\,\,Cosh\,[\,4\,\,x\,]\,\,+\,c\,\,Cosh\,[\,4\,\,x\,]\,\,+\,c\,\,Cosh\,[\,4\,\,x\,]\,\,+\,c\,\,Cosh\,[\,4\,\,x\,]\,\,+\,c\,\,Cosh\,[\,4\,\,x\,]\,\,+\,c\,\,Cosh\,[\,4\,\,x\,]\,\,+\,c\,\,Cosh\,[\,4\,\,x\,]\,\,+\,c\,\,Cosh\,[\,4\,\,x\,]\,\,+\,c\,\,Cosh\,[\,4\,\,x\,]\,\,+\,c\,\,Cosh\,[\,4\,\,x\,]\,\,+\,c\,\,Cosh\,[\,4\,\,x\,]\,\,+\,c\,\,Cosh\,[\,4\,\,x\,]\,\,+\,c\,\,Cosh\,[\,4\,\,x\,]\,\,+\,c\,\,Cosh\,[\,4\,\,x\,]\,\,+\,c\,\,Cosh\,[\,4\,\,x\,]\,\,+\,c\,\,Cosh\,[\,4\,\,x\,]\,\,+\,c\,\,Cosh\,[\,4\,\,x\,]\,\,+\,c\,\,Cosh\,[\,4\,\,x\,]\,\,+\,c\,\,Cosh\,[\,4\,\,x\,]\,\,+\,c\,\,Cosh\,[\,4\,\,x\,]\,\,+\,c\,\,Cosh\,[\,4\,\,x\,]\,\,+\,c\,\,Cosh\,[\,4\,\,x\,]\,\,+\,c\,\,Cosh\,[\,4\,\,x\,]\,\,+\,c\,\,Cosh\,[\,4\,\,x\,]\,\,+\,c\,\,Cosh\,[\,4\,\,x\,]\,\,+\,c\,\,Cosh\,[\,4\,\,x\,]\,\,+\,c\,\,Cosh\,[\,4\,\,x\,]\,\,+\,c\,\,Cosh\,[\,4\,\,x\,]\,\,+\,c\,\,Cosh\,[\,4\,\,x\,]\,\,+\,c\,\,Cosh\,[\,4\,\,x\,]\,\,+\,c\,\,Cosh\,[\,4\,\,x\,]\,\,+\,c\,\,Cosh\,[\,4\,\,x\,]\,\,+\,c\,\,Cosh\,[\,4\,\,x\,]\,\,+\,c\,\,Cosh\,[\,4\,\,x\,]\,\,+\,c\,\,Cosh\,[\,4\,\,x\,]\,\,+\,c\,\,Cosh\,[\,4\,\,x\,]\,\,+\,c\,\,Cosh\,[\,4\,\,x\,]\,\,+\,c\,\,Cosh\,[\,4\,\,x\,]\,\,+\,c\,\,Cosh\,[\,4\,\,x\,]\,\,+\,c\,\,Cosh\,[\,4\,\,x\,]\,\,+\,c\,\,Cosh\,[\,4\,\,x\,]\,\,+\,c\,\,Cosh\,[\,4\,\,x\,]\,\,+\,c\,\,Cosh\,[\,4\,\,x\,]\,\,+\,c\,\,Cosh\,[\,4\,\,x\,]\,\,+\,c\,\,Cosh\,[\,4\,\,x\,]\,\,+\,c\,\,Cosh\,[\,4\,\,x\,]\,\,+\,c\,\,Cosh\,[\,4\,\,x\,]\,\,+\,c\,\,Cosh\,[\,4\,\,x\,
                                                                                                                                                             \sqrt{3 \text{ a} - \text{b} + 3 \text{ c} - 4 \text{ a} \text{ Cosh}[2 \text{ x}] + 4 \text{ c} \text{ Cosh}[2 \text{ x}] + \text{a} \text{ Cosh}[4 \text{ x}] + \text{b} \text{ Cosh}[4 \text{ x}] + \text{c} \text{ Cosh}[4 \text{ x}] + \sqrt{\text{a} + \text{b} + \text{c}}}
                                                                                                                                                           \sqrt{(2b^2 - 8ac + a(3a - b + 3c - 4aCosh[2x] + 4cCosh[2x] + aCosh[4x] + bCosh[4x] + cCosh[4x])} + cCosh[4x] + bCosh[4x] + bCos
                                                                                                                                                                                                              \texttt{b} \; (3 \; \texttt{a} \; - \; \texttt{b} \; + \; 3 \; \texttt{c} \; - \; 4 \; \texttt{a} \; \texttt{Cosh}[\; 2 \; \texttt{x}] \; + \; 4 \; \texttt{c} \; \texttt{Cosh}[\; 2 \; \texttt{x}] \; + \; \texttt{a} \; \texttt{Cosh}[\; 4 \; \texttt{x}] \; + \; \texttt{b} \; \texttt{Cosh}[\; 4 \; \texttt{x}] \; + \; \texttt{c} \; \texttt{Cosh}[\; 4 \; \texttt{x}] \; ) \; + \; \texttt{cosh}[\; 4 \; \texttt{x}] \; +
                                                                                                                                                                                                             c (3 a - b + 3 c - 4 a Cosh[2 x] + 4 c Cosh[2 x] + a Cosh[4 x] + b Cosh[4 x] + c Cosh[4 x]))
                                                                                                                                                                                                                                                                                                   b \operatorname{Csch}[x]^2 \operatorname{Sinh}[2x]
                                                           \sqrt{3 a - b + 3 c - 4 (a - c) \cosh[2 x] + (a + b + c) \cosh[4 x]}
                                                                                                                                                                                                                                                                                                        c Csch[x]^2 Sinh[2x]
                                                                                                                                   -b + 3c - 4(a - c) Cosh[2x] + (a + b + c) Cosh[4x]
                                                           \frac{\text{c Cosh[2 x] Csch[x]}^2 \, \text{Sinh[2 x]}}{\sqrt{3 \, a - b + 3 \, c - 4 \, (a - c) \, \text{Cosh[2 x]} + (a + b + c) \, \text{Cosh[4 x]}}}
 \begin{array}{c} (16 \ (b-c-c \, Cosh[2 \, x]) \ \sqrt{3 \, a-b+3 \, c-4 \, a \, Cosh[2 \, x] + 4 \, c \, Cosh[2 \, x] + a \, Cosh[4 \, x] + b \, Cosh[4 \, x] + c \, 
                     \sqrt{(2b^2 - 8ac + a(3a - b + 3c - 4aCosh[2x] + 4cCosh[2x] + aCosh[4x] + bCosh[4x] + cCosh[4x])} + cCosh[4x] + cCos
                                                                      \texttt{b} \; ( \; \texttt{3} \; \texttt{a} - \texttt{b} + \texttt{3} \; \texttt{c} - \texttt{4} \; \texttt{a} \; \texttt{Cosh}[ \; \texttt{2} \; \texttt{x} ] \; + \texttt{4} \; \texttt{c} \; \texttt{Cosh}[ \; \texttt{2} \; \texttt{x} ] \; + \texttt{a} \; \texttt{Cosh}[ \; \texttt{4} \; \texttt{x} ] \; + \texttt{b} \; \texttt{Cosh}[ \; \texttt{4} \; \texttt{x} ] \; + \texttt{c} \; \texttt{Cosh}[ \; \texttt{4} \; \texttt{x} ] \; ) \; + \texttt{cosh}[ \; \texttt{4} \; \texttt{x} ] \; + \texttt{cosh}[ \; \texttt{4} \; \texttt{x} ] \; + \texttt{cosh}[ \; \texttt{4} \; \texttt{x} ] \; ) \; + \texttt{cosh}[ \; \texttt{4} \; \texttt{x} ] \; ) \; + \texttt{cosh}[ \; \texttt{4} \; \texttt{x} ] \; + \texttt{cosh}[ \; \texttt{4} \; \texttt{4} \; \texttt{4} \; \texttt{cosh}[ \; \texttt{4} \; \texttt{4} \; \texttt{4} \; \texttt{4} \; \texttt{cosh}[ \; \texttt{4} \; \texttt{4} \; \texttt{4} \; \texttt{4} \; \texttt{cosh}[ \; \texttt{4} \; \texttt{4} \; \texttt{4} \; \texttt{4} \; \texttt{cosh}[ \; \texttt{4} \; \texttt{4}
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 \texttt{c} \; (3 \; \texttt{a} \; - \; \texttt{b} \; + \; \texttt{3} \; \texttt{c} \; - \; \texttt{4} \; \texttt{a} \; \texttt{Cosh}[2 \; \texttt{x}] \; + \; \texttt{4} \; \texttt{c} \; \texttt{Cosh}[2 \; \texttt{x}] \; + \; \texttt{a} \; \texttt{Cosh}[4 \; \texttt{x}] \; + \; \texttt{b} \; \texttt{Cosh}[4 \; \texttt{x}] \; + \; \texttt{c} \; \texttt{Cosh}[4 \; \texttt{x}] \; ) \\
                               \sqrt{\frac{1}{2+b+a}} \left( 4 a + 2 b + \sqrt{2} \sqrt{2 b^2 - 8 a c + a (3 a - b + 3 c - 4 a Cosh[2 x] + 4 c Cosh[2 x] + a Cosh[4 x] + b Cosh[4
                                                                                                                                                                          {\tt c\,Cosh[4\,x]\,)\,+b\,\,(3\,a-b+3\,c-4\,a\,Cosh[2\,x]\,+4\,c\,Cosh[2\,x]\,+a\,Cosh[4\,x]\,+b\,Cosh[4\,x]\,+c\,Cosh[4\,x]\,)\,+c\,Cosh[4\,x]\,+c\,Cosh[4\,x]\,+c\,Cosh[4\,x]\,+c\,Cosh[4\,x]\,+c\,Cosh[4\,x]\,+c\,Cosh[4\,x]\,+c\,Cosh[4\,x]\,+c\,Cosh[4\,x]\,+c\,Cosh[4\,x]\,+c\,Cosh[4\,x]\,+c\,Cosh[4\,x]\,+c\,Cosh[4\,x]\,+c\,Cosh[4\,x]\,+c\,Cosh[4\,x]\,+c\,Cosh[4\,x]\,+c\,Cosh[4\,x]\,+c\,Cosh[4\,x]\,+c\,Cosh[4\,x]\,+c\,Cosh[4\,x]\,+c\,Cosh[4\,x]\,+c\,Cosh[4\,x]\,+c\,Cosh[4\,x]\,+c\,Cosh[4\,x]\,+c\,Cosh[4\,x]\,+c\,Cosh[4\,x]\,+c\,Cosh[4\,x]\,+c\,Cosh[4\,x]\,+c\,Cosh[4\,x]\,+c\,Cosh[4\,x]\,+c\,Cosh[4\,x]\,+c\,Cosh[4\,x]\,+c\,Cosh[4\,x]\,+c\,Cosh[4\,x]\,+c\,Cosh[4\,x]\,+c\,Cosh[4\,x]\,+c\,Cosh[4\,x]\,+c\,Cosh[4\,x]\,+c\,Cosh[4\,x]\,+c\,Cosh[4\,x]\,+c\,Cosh[4\,x]\,+c\,Cosh[4\,x]\,+c\,Cosh[4\,x]\,+c\,Cosh[4\,x]\,+c\,Cosh[4\,x]\,+c\,Cosh[4\,x]\,+c\,Cosh[4\,x]\,+c\,Cosh[4\,x]\,+c\,Cosh[4\,x]\,+c\,Cosh[4\,x]\,+c\,Cosh[4\,x]\,+c\,Cosh[4\,x]\,+c\,Cosh[4\,x]\,+c\,Cosh[4\,x]\,+c\,Cosh[4\,x]\,+c\,Cosh[4\,x]\,+c\,Cosh[4\,x]\,+c\,Cosh[4\,x]\,+c\,Cosh[4\,x]\,+c\,Cosh[4\,x]\,+c\,Cosh[4\,x]\,+c\,Cosh[4\,x]\,+c\,Cosh[4\,x]\,+c\,Cosh[4\,x]\,+c\,Cosh[4\,x]\,+c\,Cosh[4\,x]\,+c\,Cosh[4\,x]\,+c\,Cosh[4\,x]\,+c\,Cosh[4\,x]\,+c\,Cosh[4\,x]\,+c\,Cosh[4\,x]\,+c\,Cosh[4\,x]\,+c\,Cosh[4\,x]\,+c\,Cosh[4\,x]\,+c\,Cosh[4\,x]\,+c\,Cosh[4\,x]\,+c\,Cosh[4\,x]\,+c\,Cosh[4\,x]\,+c\,Cosh[4\,x]\,+c\,Cosh[4\,x]\,+c\,Cosh[4\,x]\,+c\,Cosh[4\,x]\,+c\,Cosh[4\,x]\,+c\,Cosh[4\,x]\,+c\,Cosh[4\,x]\,+c\,Cosh[4\,x]\,+c\,Cosh[4\,x]\,+c\,Cosh[4\,x]\,+c\,Cosh[4\,x]\,+c\,Cosh[4\,x]\,+c\,Cosh[4\,x]\,+c\,Cosh[4\,x]\,+c\,Cosh[4\,x]\,+c\,Cosh[4\,x]\,+c\,Cosh[4\,x]\,+c\,Cosh[4\,x]\,+c\,Cosh[4\,x]\,+c\,Cosh[4\,x]\,+c\,Cosh[4\,x]\,+c\,Cosh[4\,x]\,+c\,Cosh[4\,x]\,+c\,Cosh[4\,x]\,+c\,Cosh[4\,x]\,+c\,Cosh[4\,x]\,+c\,Cosh[4\,x]\,+c\,Cosh[4\,x]\,+c\,Cosh[4\,x]\,+c\,Cosh[4\,x]\,+c\,Cosh[4\,x]\,+c\,Cosh[4\,x]\,+c\,Cosh[4\,x]\,+c\,Cosh[4\,x]\,+c\,Cosh[4\,x]\,+c\,Cosh[4\,x]\,+c\,Cosh[4\,x]\,+c\,Cosh[4\,x]\,+c\,Cosh[4\,x]\,+c\,Cosh[4\,x]\,+c\,Cosh[4\,x]\,+c\,Cosh[4\,x]\,+c\,Cosh[4\,x]\,+c\,Cosh[4\,x]\,+c\,Cosh[4\,x]\,+c\,Cosh[4\,x]\,+c\,Cosh[4\,x]\,+c\,Cosh[4\,x]\,+c\,Cosh[4\,x]\,+c\,Cosh[4\,x]\,+c\,Cosh[4\,x]\,+c\,Cosh[4\,x]\,+c\,Cosh[4\,x]\,+c\,Cosh[4\,x]\,+c\,Cosh[4\,x]\,+c\,Cosh[4\,x]\,+c\,Cosh[4\,x]\,+c\,Cosh[4\,x]\,+c\,Cosh[4\,x]\,+c\,Cosh[4\,x]\,+c\,Cosh[4\,x]\,+c\,Cosh[4\,x]\,+c\,Cosh[4\,x]\,+c\,Cosh[4\,x]\,+c\,Cosh[4\,x]\,+c\,Cosh[4\,x]\,+c\,Cosh[4\,x]\,+c\,Cosh[4\,x]\,+c\,Cosh[4\,x]\,+c\,Cosh[4\,x]\,+c\,Cosh[4\,x]\,+c\,Cosh[4\,x]\,+c\,Co
                                                                                                                                      c(3a-b+3c-4aCosh[2x]+4cCosh[2x]+aCosh[4x]+bCosh[4x]+cCosh[4x]))
                                  \left(2\,a - 2\,c + \sqrt{2}\,\sqrt{\left(2\,b^2 - 8\,a\,c + a\,\left(3\,a - b + 3\,c - 4\,a\,Cosh[2\,x] + 4\,c\,Cosh[2\,x] + a\,Cosh[4\,x] + b\,Cosh[4\,x] + c\,Cosh[4\,x]\right) + a\,Cosh[4\,x]}\right) + \left(2\,a - 2\,c + \sqrt{2}\,\sqrt{\left(2\,b^2 - 8\,a\,c + a\,\left(3\,a - b + 3\,c - 4\,a\,Cosh[2\,x] + 4\,c\,Cosh[2\,x] + a\,Cosh[4\,x] + b\,Cosh[4\,x] + b\,Cosh[4\,x]\right)}\right) + a\,Cosh[4\,x]\right) + a\,Cosh[4\,x]
                                                                                                   b (3 a - b + 3 c - 4 a Cosh[2 x] + 4 c Cosh[2 x] + a Cosh[4 x] + b Cosh[4 x] + c Cosh[4 x]) +
                                                                                                   c (3 a - b + 3 c - 4 a Cosh[2 x] + 4 c Cosh[2 x] + a Cosh[4 x] + b Cosh[4 x] + c Cosh[4 x]))
                               \sqrt{\left[-1 + \frac{1}{2(a+b+c)} \left(2 a - 2 c + \sqrt{2} \sqrt{\left(2 b^2 - 8 a c + a (3 a - b + 3 c - 4 a Cosh[2 x] + 4 c Cosh[2 x] + a Cosh[4 x] 
                                                                                                                                                                                   b \, Cosh[\, 4 \, x] \, + c \, Cosh[\, 4 \, x] \, ) \, + b \, (\, 3 \, a \, - \, b \, + \, 3 \, c \, - \, 4 \, a \, Cosh[\, 2 \, x] \, + \, 4 \, c \, Cosh[\, 2 \, x] \, + \, a \, Cosh[\, 4 \, x] \, + \, b \, Cosh[\, 4 \, x] \, + \, b \, Cosh[\, 4 \, x] \, + \, b \, Cosh[\, 4 \, x] \, + \, b \, Cosh[\, 4 \, x] \, + \, b \, Cosh[\, 4 \, x] \, + \, b \, Cosh[\, 4 \, x] \, + \, b \, Cosh[\, 4 \, x] \, + \, b \, Cosh[\, 4 \, x] \, + \, b \, Cosh[\, 4 \, x] \, + \, b \, Cosh[\, 4 \, x] \, + \, b \, Cosh[\, 4 \, x] \, + \, b \, Cosh[\, 4 \, x] \, + \, b \, Cosh[\, 4 \, x] \, + \, b \, Cosh[\, 4 \, x] \, + \, b \, Cosh[\, 4 \, x] \, + \, b \, Cosh[\, 4 \, x] \, + \, b \, Cosh[\, 4 \, x] \, + \, b \, Cosh[\, 4 \, x] \, + \, b \, Cosh[\, 4 \, x] \, + \, b \, Cosh[\, 4 \, x] \, + \, b \, Cosh[\, 4 \, x] \, + \, b \, Cosh[\, 4 \, x] \, + \, b \, Cosh[\, 4 \, x] \, + \, b \, Cosh[\, 4 \, x] \, + \, b \, Cosh[\, 4 \, x] \, + \, b \, Cosh[\, 4 \, x] \, + \, b \, Cosh[\, 4 \, x] \, + \, b \, Cosh[\, 4 \, x] \, + \, b \, Cosh[\, 4 \, x] \, + \, b \, Cosh[\, 4 \, x] \, + \, b \, Cosh[\, 4 \, x] \, + \, b \, Cosh[\, 4 \, x] \, + \, b \, Cosh[\, 4 \, x] \, + \, b \, Cosh[\, 4 \, x] \, + \, b \, Cosh[\, 4 \, x] \, + \, b \, Cosh[\, 4 \, x] \, + \, b \, Cosh[\, 4 \, x] \, + \, b \, Cosh[\, 4 \, x] \, + \, b \, Cosh[\, 4 \, x] \, + \, b \, Cosh[\, 4 \, x] \, + \, b \, Cosh[\, 4 \, x] \, + \, b \, Cosh[\, 4 \, x] \, + \, b \, Cosh[\, 4 \, x] \, + \, b \, Cosh[\, 4 \, x] \, + \, b \, Cosh[\, 4 \, x] \, + \, b \, Cosh[\, 4 \, x] \, + \, b \, Cosh[\, 4 \, x] \, + \, b \, Cosh[\, 4 \, x] \, + \, b \, Cosh[\, 4 \, x] \, + \, b \, Cosh[\, 4 \, x] \, + \, b \, Cosh[\, 4 \, x] \, + \, b \, Cosh[\, 4 \, x] \, + \, b \, Cosh[\, 4 \, x] \, + \, b \, Cosh[\, 4 \, x] \, + \, b \, Cosh[\, 4 \, x] \, + \, b \, Cosh[\, 4 \, x] \, + \, b \, Cosh[\, 4 \, x] \, + \, b \, Cosh[\, 4 \, x] \, + \, b \, Cosh[\, 4 \, x] \, + \, b \, Cosh[\, 4 \, x] \, + \, b \, Cosh[\, 4 \, x] \, + \, b \, Cosh[\, 4 \, x] \, + \, b \, Cosh[\, 4 \, x] \, + \, b \, Cosh[\, 4 \, x] \, + \, b \, Cosh[\, 4 \, x] \, + \, b \, Cosh[\, 4 \, x] \, + \, b \, Cosh[\, 4 \, x] \, + \, b \, Cosh[\, 4 \, x] \, + \, b \, Cosh[\, 4 \, x] \, + \, b \, Cosh[\, 4 \, x] \, + \, b \, Cosh[\, 4 \, x] \, + \, b \, Cosh[\, 4 \, x] \, + \, b \, Cosh[\, 4 \, x] \, + \, b \, Cosh[\, 4 \, x] \, + \, b \, Cosh[\, 4 \, x] \, + \, b \, Cosh[\, 4 \, x] \, + \, b \, Cosh[\, 4 \, x] \, + \, b \, Cosh[\, 4 \, x] \, + \, b \, C
                                                                                                                                                                                               Cosh[4x]) + c(3a - b + 3c - 4aCosh[2x] + 4cCosh[2x] + aCosh[4x] + bCosh[4x] + cCosh[4x]))
                             b \, Cosh[\, 4 \, x] \, + c \, Cosh[\, 4 \, x] \, ) \, + b \, (\, 3 \, a \, - b \, + \, 3 \, c \, - \, 4 \, a \, Cosh[\, 2 \, x] \, + \, 4 \, c \, Cosh[\, 2 \, x] \, + \, a \, Cosh[\, 4 \, x] \, + \, b \, Cosh[\, 4 \, x] \, + \, b \, Cosh[\, 4 \, x] \, + \, b \, Cosh[\, 4 \, x] \, + \, b \, Cosh[\, 4 \, x] \, + \, b \, Cosh[\, 4 \, x] \, + \, b \, Cosh[\, 4 \, x] \, + \, b \, Cosh[\, 4 \, x] \, + \, b \, Cosh[\, 4 \, x] \, + \, b \, Cosh[\, 4 \, x] \, + \, b \, Cosh[\, 4 \, x] \, + \, b \, Cosh[\, 4 \, x] \, + \, b \, Cosh[\, 4 \, x] \, + \, b \, Cosh[\, 4 \, x] \, + \, b \, Cosh[\, 4 \, x] \, + \, b \, Cosh[\, 4 \, x] \, + \, b \, Cosh[\, 4 \, x] \, + \, b \, Cosh[\, 4 \, x] \, + \, b \, Cosh[\, 4 \, x] \, + \, b \, Cosh[\, 4 \, x] \, + \, b \, Cosh[\, 4 \, x] \, + \, b \, Cosh[\, 4 \, x] \, + \, b \, Cosh[\, 4 \, x] \, + \, b \, Cosh[\, 4 \, x] \, + \, b \, Cosh[\, 4 \, x] \, + \, b \, Cosh[\, 4 \, x] \, + \, b \, Cosh[\, 4 \, x] \, + \, b \, Cosh[\, 4 \, x] \, + \, b \, Cosh[\, 4 \, x] \, + \, b \, Cosh[\, 4 \, x] \, + \, b \, Cosh[\, 4 \, x] \, + \, b \, Cosh[\, 4 \, x] \, + \, b \, Cosh[\, 4 \, x] \, + \, b \, Cosh[\, 4 \, x] \, + \, b \, Cosh[\, 4 \, x] \, + \, b \, Cosh[\, 4 \, x] \, + \, b \, Cosh[\, 4 \, x] \, + \, b \, Cosh[\, 4 \, x] \, + \, b \, Cosh[\, 4 \, x] \, + \, b \, Cosh[\, 4 \, x] \, + \, b \, Cosh[\, 4 \, x] \, + \, b \, Cosh[\, 4 \, x] \, + \, b \, Cosh[\, 4 \, x] \, + \, b \, Cosh[\, 4 \, x] \, + \, b \, Cosh[\, 4 \, x] \, + \, b \, Cosh[\, 4 \, x] \, + \, b \, Cosh[\, 4 \, x] \, + \, b \, Cosh[\, 4 \, x] \, + \, b \, Cosh[\, 4 \, x] \, + \, b \, Cosh[\, 4 \, x] \, + \, b \, Cosh[\, 4 \, x] \, + \, b \, Cosh[\, 4 \, x] \, + \, b \, Cosh[\, 4 \, x] \, + \, b \, Cosh[\, 4 \, x] \, + \, b \, Cosh[\, 4 \, x] \, + \, b \, Cosh[\, 4 \, x] \, + \, b \, Cosh[\, 4 \, x] \, + \, b \, Cosh[\, 4 \, x] \, + \, b \, Cosh[\, 4 \, x] \, + \, b \, Cosh[\, 4 \, x] \, + \, b \, Cosh[\, 4 \, x] \, + \, b \, Cosh[\, 4 \, x] \, + \, b \, Cosh[\, 4 \, x] \, + \, b \, Cosh[\, 4 \, x] \, + \, b \, Cosh[\, 4 \, x] \, + \, b \, Cosh[\, 4 \, x] \, + \, b \, Cosh[\, 4 \, x] \, + \, b \, Cosh[\, 4 \, x] \, + \, b \, Cosh[\, 4 \, x] \, + \, b \, Cosh[\, 4 \, x] \, + \, b \, Cosh[\, 4 \, x] \, + \, b \, Cosh[\, 4 \, x] \, + \, b \, Cosh[\, 4 \, x] \, + \, b \, Cosh[\, 4 \, x] \, + \, b \, Cosh[\, 4 \, x] \, + \, b \, Cosh[\, 4 \, x] \, + \, b \, Cosh[\, 4 \, x] \, + \, b \, Cosh[\, 4 \, x] \, + \, b \, Cosh[\, 4 \, x] \, + \, b \, Cos
                                                                                                                                                                                               Cosh[4x]) + c(3a - b + 3c - 4aCosh[2x] + 4cCosh[2x] + aCosh[4x] + bCosh[4x] + cCosh[4x])
                               \sqrt{ (3 a - b + 3 c - 4 (a - c) Cosh[2x] + (a + b + c) Cosh[4x]) Csch[x]^{4} } - \left[ (b - c) (1 + Cosh[2x]) \right] 
                        (3 a - b + 3 c - 4 (a - c) Cosh[2x] + (a + b + c) Cosh[4x])
                                             3 a - b + 3 c + (-4 a + 4 c) Cosh[2x] + (a + b + c) Cosh[4x]
                                                                                                                                                                                                               (1 + Cosh[2x])^2
                     Csch[x]^2
                           \left[\log\left[\sqrt{c} \operatorname{Tanh}[x]^{2}\right] - \log\left[2c + b\operatorname{Tanh}[x]^{2} + 2\sqrt{c} \sqrt{c + \operatorname{Tanh}[x]^{2}(b + a\operatorname{Tanh}[x]^{2})}\right]\right]
                                                                                                                                                                                                         b \operatorname{Csch}[x]^2 \operatorname{Sinh}[2x]
                                        \sqrt{3 a - b + 3 c - 4 (a - c) Cosh[2 x] + (a + b + c) Cosh[4 x]}
                                                                                                                                                                                                               c \, Csch[x]^2 \, Sinh[2x]
                                               \sqrt{3 a - b + 3 c - 4 (a - c) Cosh[2x] + (a + b + c) Cosh[4x]}
                                                                                                                                                            c Cosh[2x] Csch[x]^2 Sinh[2x]
                                               \sqrt{3 \, a - b + 3 \, c - 4 \, (a - c) \, Cosh[2 \, x] + (a + b + c) \, Cosh[4 \, x]}
\left[ 8\,\sqrt{2}\,\,\sqrt{c}\,\,\left( b\,-\,c\,-\,c\,\,Cosh\,[\,2\,\,x]\,\right)\,\,\sqrt{3\,\,a\,-\,b\,+\,3\,\,c\,+\,\,(-4\,\,a\,+\,4\,\,c)}\,\,\,Cosh\,[\,2\,\,x]\,\,+\,\,(a\,+\,b\,+\,c)\,\,\,Cosh\,[\,4\,\,x] \right] + \left[ 2\,\,x\,\,(a\,+\,b\,+\,c)\,\,\,Cosh\,[\,4\,\,x] \right] + \left[ 2\,\,x\,\,(a\,+\,b\,+\,c)\,\,
                   \sqrt{(3 a - b + 3 c - 4 (a - c) Cosh[2 x] + (a + b + c) Cosh[4 x]) Csch[x]^4}
```

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(b-c) \ (1+Cosh[\,2\,x\,]\,) \ (3\,a-b+3\,c-4\,\,(a-c)\,\,Cosh[\,2\,x\,]\,+\,(a+b+c)\,\,Cosh[\,4\,x\,]\,)
                       3 a - b + 3 c + (-4 a + 4 c) Cosh[2 x] + (a + b + c) Cosh[4 x]
             \left[ \text{Log} \left[ \sqrt{c} \text{ Tanh} \left[ \mathbf{x} \right]^2 \right] - \text{Log} \left[ 2 c + b \text{ Tanh} \left[ \mathbf{x} \right]^2 + 2 \sqrt{c} \sqrt{c + \text{Tanh} \left[ \mathbf{x} \right]^2 \left( b + a \text{ Tanh} \left[ \mathbf{x} \right]^2 \right)} \right] \right) \right]
           Sech[x]2
                                                                                                 b \operatorname{Csch}[x]^2 \operatorname{Sinh}[2x]
                       \sqrt{3 a - b + 3 c - 4 (a - c) \cosh[2 x] + (a + b + c) \cosh[4 x]}
                                                                                                   c Csch[x]^2 Sinh[2x]
                       \sqrt{3 a - b + 3 c - 4 (a - c) \cosh[2 x] + (a + b + c) \cosh[4 x]}
                                                                            c Cosh[2x] Csch[x]2 Sinh[2x]
                      \sqrt{3 a - b + 3 c - 4 (a - c) Cosh[2x] + (a + b + c) Cosh[4x]}
 \left(8\;\sqrt{2}\;\;\sqrt{c}\;\;(b\text{-}c\text{-}c\;\text{Cosh}\text{[2\,x]}\;)\;\;\sqrt{3\;a\text{-}b\text{+}3\;c\text{+}(\text{-}4\;a\text{+}4\;c)}\;\;\text{Cosh}\text{[2\,x]}\;\text{+}\;(a\text{+}b\text{+}c)\;\;\text{Cosh}\text{[4\,x]}\;\;\text{Cosh}\text{[4\,x]}\;\;\text{Cosh}\text{[4\,x]}\;\;\text{Cosh}\text{[4\,x]}\;\;\text{Cosh}\text{[4\,x]}\;\;\text{Cosh}\text{[4\,x]}\;\;\text{Cosh}\text{[4\,x]}\;\;\text{Cosh}\text{[4\,x]}\;\;\text{Cosh}\text{[4\,x]}\;\;\text{Cosh}\text{[4\,x]}\;\;\text{Cosh}\text{[4\,x]}\;\;\text{Cosh}\text{[4\,x]}\;\;\text{Cosh}\text{[4\,x]}\;\;\text{Cosh}\text{[4\,x]}\;\;\text{Cosh}\text{[4\,x]}\;\;\text{Cosh}\text{[4\,x]}\;\;\text{Cosh}\text{[4\,x]}\;\;\text{Cosh}\text{[4\,x]}\;\;\text{Cosh}\text{[4\,x]}\;\;\text{Cosh}\text{[4\,x]}\;\;\text{Cosh}\text{[4\,x]}\;\;\text{Cosh}\text{[4\,x]}\;\;\text{Cosh}\text{[4\,x]}\;\;\text{Cosh}\text{[4\,x]}\;\;\text{Cosh}\text{[4\,x]}\;\;\text{Cosh}\text{[4\,x]}\;\;\text{Cosh}\text{[4\,x]}\;\;\text{Cosh}\text{[4\,x]}\;\;\text{Cosh}\text{[4\,x]}\;\;\text{Cosh}\text{[4\,x]}\;\;\text{Cosh}\text{[4\,x]}\;\;\text{Cosh}\text{[4\,x]}\;\;\text{Cosh}\text{[4\,x]}\;\;\text{Cosh}\text{[4\,x]}\;\;\text{Cosh}\text{[4\,x]}\;\;\text{Cosh}\text{[4\,x]}\;\;\text{Cosh}\text{[4\,x]}\;\;\text{Cosh}\text{[4\,x]}\;\;\text{Cosh}\text{[4\,x]}\;\;\text{Cosh}\text{[4\,x]}\;\;\text{Cosh}\text{[4\,x]}\;\;\text{Cosh}\text{[4\,x]}\;\;\text{Cosh}\text{[4\,x]}\;\;\text{Cosh}\text{[4\,x]}\;\;\text{Cosh}\text{[4\,x]}\;\;\text{Cosh}\text{[4\,x]}\;\;\text{Cosh}\text{[4\,x]}\;\;\text{Cosh}\text{[4\,x]}\;\;\text{Cosh}\text{[4\,x]}\;\;\text{Cosh}\text{[4\,x]}\;\;\text{Cosh}\text{[4\,x]}\;\;\text{Cosh}\text{[4\,x]}\;\;\text{Cosh}\text{[4\,x]}\;\;\text{Cosh}\text{[4\,x]}\;\;\text{Cosh}\text{[4\,x]}\;\;\text{Cosh}\text{[4\,x]}\;\;\text{Cosh}\text{[4\,x]}\;\;\text{Cosh}\text{[4\,x]}\;\;\text{Cosh}\text{[4\,x]}\;\;\text{Cosh}\text{[4\,x]}\;\;\text{Cosh}\text{[4\,x]}\;\;\text{Cosh}\text{[4\,x]}\;\;\text{Cosh}\text{[4\,x]}\;\;\text{Cosh}\text{[4\,x]}\;\;\text{Cosh}\text{[4\,x]}\;\;\text{Cosh}\text{[4\,x]}\;\;\text{Cosh}\text{[4\,x]}\;\;\text{Cosh}\text{[4\,x]}\;\;\text{Cosh}\text{[4\,x]}\;\;\text{Cosh}\text{[4\,x]}\;\;\text{Cosh}\text{[4\,x]}\;\;\text{Cosh}\text{[4\,x]}\;\;\text{Cosh}\text{[4\,x]}\;\;\text{Cosh}\text{[4\,x]}\;\;\text{Cosh}\text{[4\,x]}\;\;\text{Cosh}\text{[4\,x]}\;\;\text{Cosh}\text{[4\,x]}\;\;\text{Cosh}\text{[4\,x]}\;\;\text{Cosh}\text{[4\,x]}\;\;\text{Cosh}\text{[4\,x]}\;\;\text{Cosh}\text{[4\,x]}\;\;\text{Cosh}\text{[4\,x]}\;\;\text{Cosh}\text{[4\,x]}\;\;\text{Cosh}\text{[4\,x]}\;\;\text{Cosh}\text{[4\,x]}\;\;\text{Cosh}\text{[4\,x]}\;\;\text{Cosh}\text{[4\,x]}\;\;\text{Cosh}\text{[4\,x]}\;\;\text{Cosh}\text{[4\,x]}\;\;\text{Cosh}\text{[4\,x]}\;\;\text{Cosh}\text{[4\,x]}\;\;\text{Cosh}\text{[4\,x]}\;\;\text{Cosh}\text{[4\,x]}\;\;\text{Cosh}\text{[4\,x]}\;\;\text{Cosh}\text{[4\,x]}\;\;\text{Cosh}\text{[4\,x]}\;\;\text{Cosh}\text{[4\,x]}\;\;\text{Cosh}\text{[4\,x]}\;\;\text{Cosh}\text{[4\,x]}\;\;\text{Cosh}\text{[4\,x]}\;\;\text{Cosh}\text{[4\,x]}\;\;\text{Cosh}\text{[4\,x]}\;\;\text{Cosh}\text{[4\,x]}\;\;\text{Cosh}\text{[4\,x]}\;\;\text{Cosh}\text{[4\,x]}\;\;\text{Cosh}\text{[4\,x]}\;\;\text{Cosh}\text{[4\,x]}\;\;\text{Cosh}\text{[4\,x]}\;\;\text{Cosh}\text{[4\,x]}\;\;\text{Cosh}\text{[4\,x]}\;\;\text{Cosh}\text{[4\,x]}\;\;\text{Cosh}\text{[4\,x]}\;\;\text{Cosh}\text{[4\,x]}\;
          \sqrt{\;(3\;a-b+3\;c-4\;(a-c)\;Cosh[\,2\,x]\;+\;(a+b+c)\;Cosh[\,4\,x]\,)\;Csch[\,x]^{\,4}\;}\;\right)\;+
(b-c)\ \sqrt{c}\ (1+Cosh[\,2\,x]\,)\ (3\,a-b+3\,c-4\ (a-c)\ Cosh[\,2\,x]\ +\ (a+b+c)\ Cosh[\,4\,x]\,)
                    \frac{3 \text{ a - b + 3 c + (-4 a + 4 c) } \text{ Cosh[2 x] + (a + b + c) } \text{ Cosh[4 x]}}{(1 + \text{Cosh[2 x]})^{2}}
             \left[ \text{Log} \left[ \sqrt{c} \text{ Tanh}[x]^2 \right] - \text{Log} \left[ 2c + b \text{ Tanh}[x]^2 + 2\sqrt{c} \sqrt{c + \text{Tanh}[x]^2 \left( b + a \text{ Tanh}[x]^2 \right)} \right] \right]
           Sech[x]
           Sinh[2x]
                                                                                         b \operatorname{Csch}[x]^2 \operatorname{Sinh}[2x]
                      \sqrt{3 a - b + 3 c - 4 (a - c) Cosh[2 x] + (a + b + c) Cosh[4 x]}
                                                                                                  c Csch[x]^2 Sinh[2x]
                       \sqrt{3 a - b + 3 c - 4 (a - c) \cosh[2 x] + (a + b + c) \cosh[4 x]}
                                                                             c Cosh[2x] Csch[x]^2 Sinh[2x]
                       \sqrt{3 a - b + 3 c - 4 (a - c) Cosh[2 x] + (a + b + c) Cosh[4 x]}
 \left(4\,\sqrt{2}\,\left(b-c-c\,Cosh\,[\,2\,x]\,\right)^{\,2}\,\sqrt{\,3\,a-b+3\,c+\,(-4\,a+4\,c)\,\,Cosh\,[\,2\,x\,]\,+\,(a+b+c)\,\,Cosh\,[\,4\,x\,]}\right)
```

$$\sqrt{(3 \, a - b + 3 \, c - 4 \, (a - c) \, Cosh[2 \, x] + (a + b + c) \, Cosh[4 \, x])}$$
 (b-c)  $(3 \, a - b + 3 \, c - 4 \, (a - c) \, Cosh[2 \, x] + (a + b + c) \, Cosh[4 \, x])$  
$$\sqrt{3 \, a - b + 3 \, c + 4 \, (a - c) \, Cosh[2 \, x] + (a + b + c) \, Cosh[4 \, x]}$$
 (1+Cosh[2 \, x])<sup>2</sup> 
$$- (1 + Cosh[2 \, x])^{2}$$
 Csch[x] 
$$\left[ Log \left[ \sqrt{c} \, Tanh[x]^{2} \right] - Log \left[ 2 \, c + b \, Tanh[x]^{2} + 2 \, \sqrt{c} \, \sqrt{c} + Tanh[x]^{2} \, \left\{ b + a \, Tanh[x]^{2} \right\} \right] \right]$$
 Sech[x] Sinh[2 x] 
$$- \frac{b \, Csch[x]^{2} \, Sinh[2 \, x]}{\sqrt{3 \, a - b + 3 \, c - 4 \, (a - c) \, Cosh[2 \, x] + (a + b + c) \, Cosh[4 \, x]}$$
 
$$- \frac{c \, Csch[x]^{2} \, Sinh[2 \, x]}{\sqrt{3 \, a - b + 3 \, c - 4 \, (a - c) \, Cosh[2 \, x] + (a + b + c) \, Cosh[4 \, x]}$$
 
$$- \frac{c \, Cosh[2 \, x] \, Csch[x]^{2} \, Sinh[2 \, x]}{\sqrt{3 \, a - b + 3 \, c - 4 \, (a - c) \, Cosh[2 \, x] + (a + b + c) \, Cosh[4 \, x]}}$$
 
$$- \frac{c \, Cosh[2 \, x] \, Csch[x]^{2} \, Sinh[2 \, x]}{\sqrt{3 \, a - b + 3 \, c - 4 \, (a - c) \, Cosh[2 \, x] + (a + b + c) \, Cosh[4 \, x]}}$$
 
$$- \frac{c \, Cosh[2 \, x] \, Csch[x]^{2} \, Sinh[2 \, x]}{\sqrt{3 \, a - b + 3 \, c - 4 \, (a - c) \, Cosh[2 \, x] + (a + b + c) \, Cosh[4 \, x]}}$$
 
$$- \frac{c \, Cosh[2 \, x] \, Csch[x]^{2} \, Sinh[2 \, x]}{\sqrt{3 \, a - b + 3 \, c - 4 \, (a - c) \, Cosh[2 \, x] + (a + b + c) \, Cosh[4 \, x]}}$$
 
$$- \frac{c \, Cosh[2 \, x] \, Csch[x]^{2} \, Sinh[x]^{2}}{\sqrt{3 \, a - b + 3 \, c - 4 \, (a - c) \, Cosh[2 \, x] + (a + b + c) \, Cosh[4 \, x]}}$$
 
$$- \frac{c \, Cosh[2 \, x] \, Csch[x]^{2} \, Sinh[x]^{2}}{\sqrt{3 \, a - b + 3 \, c - 4 \, a \, Cosh[2 \, x] + 4 \, c \, Cosh[2 \, x] + a \, Cosh[4 \, x] + b \, Cosh[4 \, x] + c \, Cosh[4 \, x]}}$$
 
$$- \frac{c \, Cosh[2 \, x] \, Csch[x]^{2} \, Sinh[x]^{2}}{\sqrt{3 \, a - b + 3 \, c - 4 \, a \, Cosh[2 \, x] + 4 \, c \, Cosh[2 \, x] + a \, Cosh[4 \, x] + b \, Cosh[4 \, x] + c \, Cosh[4 \, x]}}$$
 
$$- \frac{c \, Cosh[4 \, x] \, Csch[x]^{2} \, Csch[x]^{2} \, Sinh[x]^{2}}{\sqrt{3 \, a - b + 3 \, c - 4 \, a \, Cosh[2 \, x] + 4 \, c \, Cosh[2 \, x] + a \, Cosh[4 \, x] + b \, Cosh[4 \, x] + c \, Cosh[4 \, x]}}$$
 
$$- \frac{c \, Cosh[4 \, x] \, Csch[4 \, x]^{2} \, Csch[4 \, x]^{2}}{\sqrt{3 \, a - b + 3 \, c - 4 \, a \, Cosh[2 \, x] + 4 \, c \, Cosh[2 \, x] + a \, Cosh[4 \, x] + b \, Cosh[4 \, x] + c \, Cos$$

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\frac{1}{2\sqrt{c}} \operatorname{ArcTanh} \left[ \left( (b + 2c) \sqrt{3 a - b + 3 c - 4 a \cosh[2x] + 4 c \cosh[2x] + a \cosh[4x] + b \cosh[4x] + b \cosh[4x] + c \cosh[4x] \right] \right]
                                                                           2\sqrt{c}\sqrt{(2b^2-8ac+a(3a-b+3c-4aCosh[2x]+4cCosh[2x]+aCosh[4x]+bCosh[4x]+cCosh[4x])} + 1
                                                                                                                                          \texttt{b} \; ( \; \texttt{3} \; \texttt{a} \; - \; \texttt{b} \; + \; \texttt{3} \; \texttt{c} \; - \; \texttt{4} \; \texttt{a} \; \texttt{Cosh}[ \; 2 \; \texttt{x} ] \; + \; \texttt{4} \; \texttt{c} \; \texttt{Cosh}[ \; 2 \; \texttt{x} ] \; + \; \texttt{a} \; \texttt{Cosh}[ \; 4 \; \texttt{x} ] \; + \; \texttt{b} \; \texttt{Cosh}[ \; 4 \; \texttt{x} ] \; + \; \texttt{c} \; \texttt{Cosh}[ \; 4 \; \texttt{x} ] \; ) \; + \; \texttt{cosh}[ \; 4 \; \texttt{x} ] \; ) \; + \; \texttt{cosh}[ \; 4 \; \texttt{x} ] \; ) \; + \; \texttt{cosh}[ \; 4 \; \texttt{x} ] \; ) \; + \; \texttt{cosh}[ \; 4 \; \texttt{x} ] \; ) \; + \; \texttt{cosh}[ \; 4 \; \texttt{x} ] \; ) \; + \; \texttt{cosh}[ \; 4 \; \texttt{x} ] \; ) \; + \; \texttt{cosh}[ \; 4 \; \texttt{x} ] \; ) \; + \; \texttt{cosh}[ \; 4 \; \texttt{x} ] \; ) \; + \; \texttt{cosh}[ \; 4 \; \texttt{x} ] \; ) \; + \; \texttt{cosh}[ \; 4 \; \texttt{x} ] \; ) \; + \; \texttt{cosh}[ \; 4 \; \texttt{x} ] \; ) \; + \; \texttt{cosh}[ \; 4 \; \texttt{x} ] \; ) \; + \; \texttt{cosh}[ \; 4 \; \texttt{x} ] \; ) \; + \; \texttt{cosh}[ \; 4 \; \texttt{x} ] \; ) \; + \; \texttt{cosh}[ \; 4 \; \texttt{x} ] \; ) \; + \; \texttt{cosh}[ \; 4 \; \texttt{x} ] \; ) \; + \; \texttt{cosh}[ \; 4 \; \texttt{x} ] \; ) \; + \; \texttt{cosh}[ \; 4 \; \texttt{x} ] \; ) \; + \; \texttt{cosh}[ \; 4 \; \texttt{x} ] \; ) \; + \; \texttt{cosh}[ \; 4 \; \texttt{x} ] \; ) \; + \; \texttt{cosh}[ \; 4 \; \texttt{x} ] \; ) \; + \; \texttt{cosh}[ \; 4 \; \texttt{x} ] \; ) \; + \; \texttt{cosh}[ \; 4 \; \texttt{x} ] \; ) \; + \; \texttt{cosh}[ \; 4 \; \texttt{x} ] \; ) \; + \; \texttt{cosh}[ \; 4 \; \texttt{x} ] \; ) \; + \; \texttt{cosh}[ \; 4 \; \texttt{x} ] \; ) \; + \; \texttt{cosh}[ \; 4 \; \texttt{x} ] \; ) \; + \; \texttt{cosh}[ \; 4 \; \texttt{x} ] \; ) \; + \; \texttt{cosh}[ \; 4 \; \texttt{x} ] \; ) \; + \; \texttt{cosh}[ \; 4 \; \texttt{x} ] \; ) \; + \; \texttt{cosh}[ \; 4 \; \texttt{x} ] \; ) \; + \; \texttt{cosh}[ \; 4 \; \texttt{x} ] \; ) \; + \; \texttt{cosh}[ \; 4 \; \texttt{x} ] \; ) \; + \; \texttt{cosh}[ \; 4 \; \texttt{x} ] \; ) \; + \; \texttt{cosh}[ \; 4 \; \texttt{x} ] \; ) \; + \; \texttt{cosh}[ \; 4 \; \texttt{x} ] \; ) \; + \; \texttt{cosh}[ \; 4 \; \texttt{x} ] \; ) \; + \; \texttt{cosh}[ \; 4 \; \texttt{x} ] \; ) \; + \; \texttt{cosh}[ \; 4 \; \texttt{x} ] \; ) \; + \; \texttt{cosh}[ \; 4 \; \texttt{x} ] \; ) \; + \; \texttt{cosh}[ \; 4 \; \texttt{x} ] \; ) \; + \; \texttt{cosh}[ \; 4 \; \texttt{x} ] \; ) \; + \; \texttt{cosh}[ \; 4 \; \texttt{x} ] \; ) \; + \; \texttt{cosh}[ \; 4 \; \texttt{x} ] \; ) \; + \; \texttt{cosh}[ \; 4 \; \texttt{x} ] \; ) \; + \; \texttt{cosh}[ \; 4 \; \texttt{x} ] \; ) \; + \; \texttt{cosh}[ \; 4 \; \texttt{x} ] \; ) \; + \; \texttt{cosh}[ \; 4 \; \texttt{x} ] \; ) \; + \; \texttt{cosh}[ \; 4 \; \texttt{x} ] \; ) \; + \; \texttt{cosh}[ \; 4 \; \texttt{x} ] \; ) \; + \; \texttt{cosh}[ \; 4 \; \texttt{x} ] \; ) \; + \; \texttt{cosh}[ \; 4 \; \texttt{x} ] \; ) \; + \; \texttt{cosh}[ \; 4 \; \texttt{x} ] \; ) \; + \; \texttt{cosh}[ \; 4 \; \texttt{x} ] \; ) \; + \; \texttt{cosh}[ \; 4 \; \texttt{x} ] \; ) \; + \; \texttt{cosh}[ \; 4 \; \texttt{x} ] \; ) \; + \; 
                                                                                                                                         c(3a-b+3c-4aCosh[2x]+4cCosh[2x]+aCosh[4x]+bCosh[4x]+cCosh[4x])))
                                                                                                                                   b\sqrt{3}a - b + 3c - 4aCosh[2x] + 4cCosh[2x] + aCosh[4x] + bCosh[4x] + cCosh[4x] + aCosh[4x]
                                                                                                      c\sqrt{3} a - b + 3 c - 4 a Cosh[2x] + 4 c Cosh[2x] + a Cosh[4x] + b Cosh[4x] + c Cosh[4x] + \sqrt{a + b + c}
                                                                                                                  \sqrt{(2b^2 - 8ac + a(3a - b + 3c - 4aCosh[2x] + 4cCosh[2x] + aCosh[4x] + bCosh[4x] + cCosh[4x])} + cCosh[4x] + cCos
                                                                                                                                                      b \; (3 \; a - b + 3 \; c - 4 \; a \; Cosh[2 \; x] \; + \; 4 \; c \; Cosh[2 \; x] \; + \; a \; Cosh[4 \; x] \; + \; b \; Cosh[4 \; x] \; + \; c \; Cosh[4 \; x]) \; + \; c \; Cosh[4 \; x] \; + \; c \; Cos
                                                                                                                                                     c(3a-b+3c-4aCosh[2x]+4cCosh[2x]+aCosh[4x]+bCosh[4x]+cCosh[4x])
                                                                                                                                                                                                                        b \operatorname{Csch}[x]^2 \operatorname{Sinh}[2x]
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                c Csch[x]2 Sinh[2x]
                                           \sqrt{3 a - b + 3 c - 4 (a - c) \cosh[2 x] + (a + b + c) \cosh[4 x]}
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             \sqrt{3 a - b + 3 c - 4 (a - c) \cosh[2 x] + (a + b + c) \cosh[4 x]}
                                                                                                                                                                       c Cosh[2x] Csch[x]^2 Sinh[2x]
                                             \sqrt{3} a - b + 3 c - 4 (a - c) Cosh[2x] + (a + b + c) Cosh[4x]
                 (-4 \text{ a Sinh}[2 \text{ x}] + 4 \text{ c Sinh}[2 \text{ x}] + 2 \text{ a Sinh}[4 \text{ x}] + 2 \text{ b Sinh}[4 \text{ x}] + 2 \text{ c Sinh}[4 \text{ x}]
8 \ (b-c-c \ Cosh[2 \ x]) \ \sqrt{3} \ a-b+3 \ c-4 \ a \ Cosh[2 \ x] + 4 \ c \ Cosh[2 \ x] + a \ Cosh[4 \ x] + b \ Cosh[4 \ x] + c \ Cosh[4 
              \sqrt{(2b^2 - 8ac + a(3a - b + 3c - 4aCosh[2x] + 4cCosh[2x] + aCosh[4x] + bCosh[4x] + cCosh[4x])}
                                                  \texttt{b} \; ( \; 3 \; \texttt{a} \; - \; \texttt{b} \; + \; 3 \; \texttt{c} \; - \; 4 \; \texttt{a} \; \texttt{Cosh}[ \; 2 \; \texttt{x}] \; + \; 4 \; \texttt{c} \; \texttt{Cosh}[ \; 2 \; \texttt{x}] \; + \; \texttt{a} \; \texttt{Cosh}[ \; 4 \; \texttt{x}] \; + \; \texttt{b} \; \texttt{Cosh}[ \; 4 \; \texttt{x}] \; + \; \texttt{c} \; \texttt{Cosh}[ \; 4 \; \texttt{x}] \; ) \; + \; \texttt{cosh}[ \; 4 \; \texttt{x}] \; + \; \texttt{cosh}[ \; 4 \; \texttt{x}] \; + \; \texttt{cosh}[ \; 4 \; \texttt{x}] \; ) \; + \; \texttt{cosh}[ \; 4 \; \texttt{x}] \; 
                                                    \texttt{c} \; (3 \; \texttt{a} \; - \; \texttt{b} \; + \; 3 \; \texttt{c} \; - \; 4 \; \texttt{a} \; \texttt{Cosh}[\; 2 \; \texttt{x}] \; + \; 4 \; \texttt{c} \; \texttt{Cosh}[\; 2 \; \texttt{x}] \; + \; \texttt{a} \; \texttt{Cosh}[\; 4 \; \texttt{x}] \; + \; \texttt{b} \; \texttt{Cosh}[\; 4 \; \texttt{x}] \; + \; \texttt{c} \; \texttt{Cosh}[\; 4 \; \texttt{x}] \; ) \; )
              \sqrt{\left|\frac{1}{a+b+c}\left(4\,a+2\,b+\sqrt{2}\,\,\sqrt{\left(2\,b^2-8\,a\,c+a\,\left(3\,a-b+3\,c-4\,a\,Cosh[2\,x]+4\,c\,Cosh[2\,x]+a\,Cosh[4\,x]+b\,Cosh[4\,x]\right.\right)}\right.}
                                                                                                                                                                \texttt{c} \; \texttt{Cosh} \left[ \; 4 \; \mathbf{x} \; \right] \; ) \; + \; \texttt{b} \; \left( \; 3 \; \texttt{a} \; - \; \texttt{b} \; + \; 3 \; \texttt{c} \; - \; 4 \; \texttt{a} \; \texttt{Cosh} \left[ \; 2 \; \mathbf{x} \; \right] \; + \; 4 \; \texttt{c} \; \texttt{Cosh} \left[ \; 2 \; \mathbf{x} \; \right] \; + \; \texttt{a} \; \texttt{Cosh} \left[ \; 4 \; \mathbf{x} \; \right] \; + \; \texttt{b} \; \texttt{Cosh} \left[ \; 4 \; \mathbf{x} \; \right] \; + \; \texttt{c} \; \texttt{Cosh} \left[ \; 4 \; \mathbf{x} \; \right] \; + \; \texttt{c} \; \texttt{Cosh} \left[ \; 4 \; \mathbf{x} \; \right] \; + \; \texttt{c} \; \texttt{Cosh} \left[ \; 4 \; \mathbf{x} \; \right] \; + \; \texttt{c} \; \texttt{cosh} \left[ \; 4 \; \mathbf{x} \; \right] \; + \; \texttt{c} \; \texttt{cosh} \left[ \; 4 \; \mathbf{x} \; \right] \; + \; \texttt{c} \; \texttt{cosh} \left[ \; 4 \; \mathbf{x} \; \right] \; + \; \texttt{c} \; \texttt{cosh} \left[ \; 4 \; \mathbf{x} \; \right] \; + \; \texttt{c} \; \texttt{cosh} \left[ \; 4 \; \mathbf{x} \; \right] \; + \; \texttt{c} \; \texttt{cosh} \left[ \; 4 \; \mathbf{x} \; \right] \; + \; \texttt{c} \; \texttt{cosh} \left[ \; 4 \; \mathbf{x} \; \right] \; + \; \texttt{c} \; \texttt{cosh} \left[ \; 4 \; \mathbf{x} \; \right] \; + \; \texttt{c} \; \texttt{cosh} \left[ \; 4 \; \mathbf{x} \; \right] \; + \; \texttt{c} \; \texttt{cosh} \left[ \; 4 \; \mathbf{x} \; \right] \; + \; \texttt{c} \; \texttt{cosh} \left[ \; 4 \; \mathbf{x} \; \right] \; + \; \texttt{c} \; \texttt{cosh} \left[ \; 4 \; \mathbf{x} \; \right] \; + \; \texttt{c} \; \texttt{cosh} \left[ \; 4 \; \mathbf{x} \; \right] \; + \; \texttt{c} \; \texttt{cosh} \left[ \; 4 \; \mathbf{x} \; \right] \; + \; \texttt{c} \; \texttt{cosh} \left[ \; 4 \; \mathbf{x} \; \right] \; + \; \texttt{c} \; \texttt{cosh} \left[ \; 4 \; \mathbf{x} \; \right] \; + \; \texttt{c} \; \texttt{cosh} \left[ \; 4 \; \mathbf{x} \; \right] \; + \; \texttt{c} \; \texttt{cosh} \left[ \; 4 \; \mathbf{x} \; \right] \; + \; \texttt{c} \; \texttt{cosh} \left[ \; 4 \; \mathbf{x} \; \right] \; + \; \texttt{c} \; \texttt{cosh} \left[ \; 4 \; \mathbf{x} \; \right] \; + \; \texttt{c} \; \texttt{cosh} \left[ \; 4 \; \mathbf{x} \; \right] \; + \; \texttt{c} \; \texttt{cosh} \left[ \; 4 \; \mathbf{x} \; \right] \; + \; \texttt{c} \; \texttt{cosh} \left[ \; 4 \; \mathbf{x} \; \right] \; + \; \texttt{c} \; \texttt{cosh} \left[ \; 4 \; \mathbf{x} \; \right] \; + \; \texttt{c} \; \texttt{cosh} \left[ \; 4 \; \mathbf{x} \; \right] \; + \; \texttt{c} \; \texttt{cosh} \left[ \; 4 \; \mathbf{x} \; \right] \; + \; \texttt{c} \; \texttt{cosh} \left[ \; 4 \; \mathbf{x} \; \right] \; + \; \texttt{c} \; \texttt{cosh} \left[ \; 4 \; \mathbf{x} \; \right] \; + \; \texttt{c} \; \texttt{cosh} \left[ \; 4 \; \mathbf{x} \; \right] \; + \; \texttt{c} \; \texttt{cosh} \left[ \; 4 \; \mathbf{x} \; \right] \; + \; \texttt{c} \; \texttt{cosh} \left[ \; 4 \; \mathbf{x} \; \right] \; + \; \texttt{c} \; \texttt{cosh} \left[ \; 4 \; \mathbf{x} \; \right] \; + \; \texttt{c} \; \texttt{cosh} \left[ \; 4 \; \mathbf{x} \; \right] \; + \; \texttt{c} \; \texttt{cosh} \left[ \; 4 \; \mathbf{x} \; \right] \; + \; \texttt{c} \; \texttt{cosh} \left[ \; 4 \; \mathbf{x} \; \right] \; + \; \texttt{c} \; \texttt{cosh} \left[ \; 4 \; \mathbf{x} \; \right] \; + \; \texttt{c} \; \texttt{cosh} \left[ \; 4 \; \mathbf{x} \; \right] \; + \; \texttt{c} \; \texttt{cosh} \left[ \; 4 \; \mathbf{x} \; \right] \; + \; \texttt{c} \; \texttt{cosh} \left[ \; 4 \; \mathbf{x} \; \right] \; + \; \texttt{c} \; \texttt{cosh} \left[ \; 4 \; \mathbf{x} \; \right] \; + \; \texttt{c} \; \texttt{cosh} \left[ \; 4 \; \mathbf{x} \; \right] \; + \; \texttt{c} \; \texttt{cosh} \left[ \;
                                                                                                                            \texttt{c} \; \left( \; 3 \; \texttt{a} \; - \; \texttt{b} \; + \; 3 \; \texttt{c} \; - \; 4 \; \texttt{a} \; \texttt{Cosh}[\; 2 \; \texttt{x} \; ] \; + \; 4 \; \texttt{c} \; \texttt{Cosh}[\; 2 \; \texttt{x} \; ] \; + \; \texttt{a} \; \texttt{Cosh}[\; 4 \; \texttt{x} \; ] \; + \; \texttt{b} \; \texttt{Cosh}[\; 4 \; \texttt{x} \; ] \; + \; \texttt{c} \; \texttt{Cosh}[\; 4 \; \texttt{x} \; ] \; \right) \; \right) \; | \; \texttt{c} \; | \;
                   2a-2c+\sqrt{2}\sqrt{2b^2-8ac+a(3a-b+3c-4a\cosh[2x]+4c\cosh[2x]+a\cosh[4x]+b\cosh[4x]+b\cosh[4x]+c\cosh[4x])}
                                                                                      b (3 a - b + 3 c - 4 a Cosh[2x] + 4 c Cosh[2x] + a Cosh[4x] + b Cosh[4x] + c Cosh[4x]) +
                                                                                      c(3a-b+3c-4aCosh[2x]+4cCosh[2x]+aCosh[4x]+bCosh[4x]+cCosh[4x]))
```

```
\sqrt{\left[-1 + \frac{1}{2(a+b+c)} \left(2 a - 2 c + \sqrt{2} \sqrt{\left(2 b^2 - 8 a c + a (3 a - b + 3 c - 4 a Cosh[2x] + 4 c Cosh[2x] + a Cosh[4x] + a Cosh[4
                                                                                                                                                                                                           b Cosh[4x] + c Cosh[4x]) + b (3a - b + 3c - 4a Cosh[2x] + 4c Cosh[2x] + a Cosh[4x] + b Cosh[4x] +
                                                                                                                                                                                                         c \cosh[4x] + c (3a - b + 3c - 4a \cosh[2x] + 4c \cosh[2x] + a \cosh[4x] + b \cosh[4x] + c \cosh[4x])
\sqrt{\left[1 + \frac{1}{2 (a + b + c)} \left(2 a - 2 c + \sqrt{2} \sqrt{\left(2 b^2 - 8 a c + a (3 a - b + 3 c - 4 a Cosh[2 x] + 4 c Cosh[2 x] + a Cosh[4 x] + a Cosh[4
                                                                                                                                                                                                         b \cosh[4x] + c \cosh[4x]) + b (3a - b + 3c - 4a \cosh[2x] + 4c \cosh[2x] + a \cosh[4x] + b \cosh[
                                                                                                                                                                                                         \texttt{c}\, \, \mathsf{Cosh}\, [\, 4\,\, x\,] \,\, ) \,\, + \, \mathsf{c}\,\, (\, 3\,\, a\, - \, b\, + \, 3\,\, c\, - \, 4\,\, a\,\, Cosh\, [\, 2\,\, x\,] \,\, + \, 4\,\, c\,\, Cosh\, [\, 2\,\, x\,] \,\, + \, a\,\, Cosh\, [\, 4\,\, x\,] \,\, ) \,\, \Big) \,\, \Big| \,\, + \,\, \mathsf{c}\,\, Cosh\, [\, 4\,\, x\,] \,\, ) \,\, \Big) \,\, \Big| \,\, + \,\, \mathsf{c}\,\, Cosh\, [\, 4\,\, x\,] \,\, ) \,\, \Big| \,\, + \,\, \mathsf{c}\,\, Cosh\, [\, 4\,\, x\,] \,\, \Big) \,\, \Big| \,\, + \,\, \mathsf{c}\,\, Cosh\, [\, 4\,\, x\,] \,\, \Big| \,\, + \,\, \mathsf{c}\,\, Cosh\, [\, 4\,\, x\,] \,\, \Big| \,\, \Big| \,\, + \,\, \mathsf{c}\,\, Cosh\, [\, 4\,\, x\,] \,\, \Big| \,\, \Big| \,\, \mathsf{c}\,\, Cosh\, [\, 4\,\, x\,] \,\, \Big| \,\, \Big| \,\, \mathsf{c}\,\, Cosh\, [\, 4\,\, x\,] \,\, \Big| \,\, \Big| \,\, \mathsf{c}\,\, Cosh\, [\, 4\,\, x\,] \,\, \Big| \,\, \Big| \,\, \mathsf{c}\,\, Cosh\, [\, 4\,\, x\,] \,\, \Big| \,\, \mathsf{c}\,\, \mathsf{c}\,
  \sqrt{\,(3\,a-b+3\,c-4\,\,(a-c)\,\,Cosh[\,2\,x]\,+\,(a+b+c)\,\,Cosh[\,4\,x]\,)\,\,Csch[\,x]^{\,4}\,}\,\Bigg]\,-\,\Bigg|\,c^{2}\,\,Cosh[\,2\,x]
        (3 a - b + 3 c - 4 (a - c) Cosh[2x] + (a + b + c) Cosh[4x])
          2 \text{ a} \sqrt{3 \text{ a} - \text{b} + 3 \text{ c} - 4 \text{ a} \text{ Cosh}[2 \text{ x}] + 4 \text{ c} \text{ Cosh}[2 \text{ x}] + \text{a} \text{ Cosh}[4 \text{ x}] + \text{b} \text{ Cosh}[4 \text{ x}] + \text{c} \text{ Cosh}[4 \text{ x}]}
                                2 \ b \sqrt{3 \ a - b + 3 \ c - 4 \ a \ Cosh[2 \ x] + 4 \ c \ Cosh[2 \ x] + a \ Cosh[4 \ x] + b \ Cosh[4 \ x] + c \ Cosh[4 \ x]} + c \ Cosh[4 \ x] + c \ Cosh[
                              2\ c\ \sqrt{3\ a-b+3\ c-4\ a\ Cosh[2\ x]\ +4\ c\ Cosh[2\ x]\ +a\ Cosh[4\ x]\ +b\ Cosh[4\ x]\ +c\ Cosh[4\ x]\ }
  \sqrt{\left[\frac{1}{2+b+a}\left(-2b-4c+\sqrt{2}\sqrt{2b^2-8ac+a(3a-b+3c-4a\cosh[2x]+4c\cosh[2x]+a\cosh[4x]+b\cosh[4x]+b\cosh[4x]+b\cosh[4x]+b\cosh[4x]+b\cosh[4x]+b\cosh[4x]+b\cosh[4x]+b\cosh[4x]+b\cosh[4x]+b\cosh[4x]+b\cosh[4x]+b\cosh[4x]+b\cosh[4x]+b\cosh[4x]+b\cosh[4x]+b\cosh[4x]+b\cosh[4x]+b\cosh[4x]+b\cosh[4x]+b\cosh[4x]+b\cosh[4x]+b\cosh[4x]+b\cosh[4x]+b\cosh[4x]+b\cosh[4x]+b\cosh[4x]+b\cosh[4x]+b\cosh[4x]+b\cosh[4x]+b\cosh[4x]+b\cosh[4x]+b\cosh[4x]+b\cosh[4x]+b\cosh[4x]+b\cosh[4x]+b\cosh[4x]+b\cosh[4x]+b\cosh[4x]+b\cosh[4x]+b\cosh[4x]+b\cosh[4x]+b\cosh[4x]+b\cosh[4x]+b\cosh[4x]+b\cosh[4x]+b\cosh[4x]+b\cosh[4x]+b\cosh[4x]+b\cosh[4x]+b\cosh[4x]+b\cosh[4x]+b\cosh[4x]+b\cosh[4x]+b\cosh[4x]+b\cosh[4x]+bhanden + bhanden + bhanden
                                                                                                                                                                                          c (3 a - b + 3 c - 4 a Cosh[2 x] + 4 c Cosh[2 x] + a Cosh[4 x] + b Cosh[4 x] + c Cosh[4 x]))
                                                                                                                                 -\frac{\text{ArcTanh}\Big[\,\frac{\sqrt{\,3\,\text{a-b+3}\,\text{c-4}\,\text{a}\,\text{Cosh}[2\,\text{x}]+4\,\text{c}\,\text{Cosh}[2\,\text{x}]+\text{a}\,\text{Cosh}[4\,\text{x}]+\text{b}\,\text{Cosh}[4\,\text{x}]+\text{c}\,\text{Cosh}[4\,\text{x}]}}{2\,\sqrt{\,\text{c}}}\,\Big]}{2\,\sqrt{\,\text{c}}}
  Csch[x]^2
                              \frac{1}{2\sqrt{c}} \operatorname{ArcTanh} \left[ \left( (b + 2c) \sqrt{3 a - b + 3 c - 4 a \operatorname{Cosh}[2x] + 4 c \operatorname{Cosh}[2x] + a \operatorname{Cosh}[4x] + b \operatorname{Cosh}[4x] + c \operatorname{Cosh}[4x] \right) \right]
                                                                                   2\sqrt{c}\sqrt{(2b^2-8ac+a(3a-b+3c-4aCosh[2x]+4cCosh[2x]+aCosh[4x]+bCosh[4x]+cCosh[4x])}
                                                                                                                                                             b (3 a - b + 3 c - 4 a \cosh[2x] + 4 c \cosh[2x] + a \cosh[4x] + b \cosh[4x] + c \cosh[4x])
                                                                                                                                                             c(3a-b+3c-4aCosh[2x]+4cCosh[2x]+aCosh[4x]+bCosh[4x]+cCosh[4x])))
                                \frac{1}{\sqrt{a+b+c}} \text{ Log} \Big[ 2 \Big( a \sqrt{3 a-b+3 c-4 a \cosh[2 x]+4 c \cosh[2 x]+a \cosh[4 x]+b \cosh[4 x]+c \cosh[4 x]} + \frac{1}{\sqrt{a+b+c}} \Big) \Big] \Big] \Big[ 2 \Big( a \sqrt{3 a-b+3 c-4 a \cosh[2 x]+4 c \cosh[2 x]+a \cosh[4 x]+b \cosh[4 x]} \Big) \Big] \Big] \Big] \Big[ 2 \Big( a \sqrt{3 a-b+3 c-4 a \cosh[2 x]+4 c \cosh[2 x]+a \cosh[4 x]+b \cosh[4 x]+b \cosh[4 x]+c \cosh[
                                                                                                           b\,\sqrt{\,3\,a-b+3\,c-4\,a\,Cosh[\,2\,x\,]\,+\,4\,c\,Cosh[\,2\,x\,]\,+\,a\,Cosh[\,4\,x\,]\,+\,b\,Cosh[\,4\,x\,]\,+\,c\,Cosh[\,4\,x\,]\,+\,c\,Cosh[\,4\,x\,]\,+\,c\,Cosh[\,4\,x\,]\,+\,c\,Cosh[\,4\,x\,]\,+\,c\,Cosh[\,4\,x\,]\,+\,c\,Cosh[\,4\,x\,]\,+\,c\,Cosh[\,4\,x\,]\,+\,c\,Cosh[\,4\,x\,]\,+\,c\,Cosh[\,4\,x\,]\,+\,c\,Cosh[\,4\,x\,]\,+\,c\,Cosh[\,4\,x\,]\,+\,c\,Cosh[\,4\,x\,]\,+\,c\,Cosh[\,4\,x\,]\,+\,c\,Cosh[\,4\,x\,]\,+\,c\,Cosh[\,4\,x\,]\,+\,c\,Cosh[\,4\,x\,]\,+\,c\,Cosh[\,4\,x\,]\,+\,c\,Cosh[\,4\,x\,]\,+\,c\,Cosh[\,4\,x\,]\,+\,c\,Cosh[\,4\,x\,]\,+\,c\,Cosh[\,4\,x\,]\,+\,c\,Cosh[\,4\,x\,]\,+\,c\,Cosh[\,4\,x\,]\,+\,c\,Cosh[\,4\,x\,]\,+\,c\,Cosh[\,4\,x\,]\,+\,c\,Cosh[\,4\,x\,]\,+\,c\,Cosh[\,4\,x\,]\,+\,c\,Cosh[\,4\,x\,]\,+\,c\,Cosh[\,4\,x\,]\,+\,c\,Cosh[\,4\,x\,]\,+\,c\,Cosh[\,4\,x\,]\,+\,c\,Cosh[\,4\,x\,]\,+\,c\,Cosh[\,4\,x\,]\,+\,c\,Cosh[\,4\,x\,]\,+\,c\,Cosh[\,4\,x\,]\,+\,c\,Cosh[\,4\,x\,]\,+\,c\,Cosh[\,4\,x\,]\,+\,c\,Cosh[\,4\,x\,]\,+\,c\,Cosh[\,4\,x\,]\,+\,c\,Cosh[\,4\,x\,]\,+\,c\,Cosh[\,4\,x\,]\,+\,c\,Cosh[\,4\,x\,]\,+\,c\,Cosh[\,4\,x\,]\,+\,c\,Cosh[\,4\,x\,]\,+\,c\,Cosh[\,4\,x\,]\,+\,c\,Cosh[\,4\,x\,]\,+\,c\,Cosh[\,4\,x\,]\,+\,c\,Cosh[\,4\,x\,]\,+\,c\,Cosh[\,4\,x\,]\,+\,c\,Cosh[\,4\,x\,]\,+\,c\,Cosh[\,4\,x\,]\,+\,c\,Cosh[\,4\,x\,]\,+\,c\,Cosh[\,4\,x\,]\,+\,c\,Cosh[\,4\,x\,]\,+\,c\,Cosh[\,4\,x\,]\,+\,c\,Cosh[\,4\,x\,]\,+\,c\,Cosh[\,4\,x\,]\,+\,c\,Cosh[\,4\,x\,]\,+\,c\,Cosh[\,4\,x\,]\,+\,c\,Cosh[\,4\,x\,]\,+\,c\,Cosh[\,4\,x\,]\,+\,c\,Cosh[\,4\,x\,]\,+\,c\,Cosh[\,4\,x\,]\,+\,c\,Cosh[\,4\,x\,]\,+\,c\,Cosh[\,4\,x\,]\,+\,c\,Cosh[\,4\,x\,]\,+\,c\,Cosh[\,4\,x\,]\,+\,c\,Cosh[\,4\,x\,]\,+\,c\,Cosh[\,4\,x\,]\,+\,c\,Cosh[\,4\,x\,]\,+\,c\,Cosh[\,4\,x\,]\,+\,c\,Cosh[\,4\,x\,]\,+\,c\,Cosh[\,4\,x\,]\,+\,c\,Cosh[\,4\,x\,]\,+\,c\,Cosh[\,4\,x\,]\,+\,c\,Cosh[\,4\,x\,]\,+\,c\,Cosh[\,4\,x\,]\,+\,c\,Cosh[\,4\,x\,]\,+\,c\,Cosh[\,4\,x\,]\,+\,c\,Cosh[\,4\,x\,]\,+\,c\,Cosh[\,4\,x\,]\,+\,c\,Cosh[\,4\,x\,]\,+\,c\,Cosh[\,4\,x\,]\,+\,c\,Cosh[\,4\,x\,]\,+\,c\,Cosh[\,4\,x\,]\,+\,c\,Cosh[\,4\,x\,]\,+\,c\,Cosh[\,4\,x\,]\,+\,c\,Cosh[\,4\,x\,]\,+\,c\,Cosh[\,4\,x\,]\,+\,c\,Cosh[\,4\,x\,]\,+\,c\,Cosh[\,4\,x\,]\,+\,c\,Cosh[\,4\,x\,]\,+\,c\,Cosh[\,4\,x\,]\,+\,c\,Cosh[\,4\,x\,]\,+\,c\,Cosh[\,4\,x\,]\,+\,c\,Cosh[\,4\,x\,]\,+\,c\,Cosh[\,4\,x\,]\,+\,c\,Cosh[\,4\,x\,]\,+\,c\,Cosh[\,4\,x\,]\,+\,c\,Cosh[\,4\,x\,]\,+\,c\,Cosh[\,4\,x\,]\,+\,c\,Cosh[\,4\,x\,]\,+\,c\,Cosh[\,4\,x\,]\,+\,c\,Cosh[\,4\,x\,]\,+\,c\,Cosh[\,4\,x\,]\,+\,c\,Cosh[\,4\,x\,]\,+\,c\,Cosh[\,4\,x\,]\,+\,c\,Cosh[\,4\,x\,]\,+\,c\,Cosh[\,4\,x\,]\,+\,c\,Cosh[\,4\,x\,]\,+\,c\,Cosh[\,4\,x\,]\,+\,c\,Cosh[\,4\,x\,]\,+\,c\,Cosh[\,4\,x\,]\,+\,c\,Cosh[\,4\,x\,]\,+\,c\,Cosh[\,4\,x\,]\,+\,c\,Cosh[\,4\,x\,]\,+\,c\,Cosh[\,4\,x\,]\,+\,c\,Cosh[\,4\,x\,]\,+\,c\,Cosh[\,4\,x\,]\,+\,c\,Cosh[\,4\,x\,]\,+\,c\,Cosh[\,4\,x\,]\,+\,c\,Cosh[\,4\,x\,]\,+\,c\,Cosh[\,4
                                                                                                               c\sqrt{3}a-b+3c-4aCosh[2x]+4cCosh[2x]+aCosh[4x]+bCosh[4x]+cCosh[4x]+\sqrt{a+b+c}
                                                                                                                               \sqrt{(2b^2 - 8ac + a(3a - b + 3c - 4aCosh[2x] + 4cCosh[2x] + aCosh[4x] + bCosh[4x] + cCosh[4x])} + cCosh[4x] + cCos
                                                                                                                                                                            \texttt{b} \; (\texttt{3} \; \texttt{a} \; - \; \texttt{b} \; + \; \texttt{3} \; \texttt{c} \; - \; \texttt{4} \; \texttt{a} \; \texttt{Cosh} [\; 2 \; \texttt{x}\;] \; + \; \texttt{4} \; \texttt{c} \; \texttt{Cosh} [\; 2 \; \texttt{x}\;] \; + \; \texttt{a} \; \texttt{Cosh} [\; 4 \; \texttt{x}\;] \; + \; \texttt{b} \; \texttt{Cosh} [\; 4 \; \texttt{x}\;] \; + \; \texttt{c} \; \texttt{Cosh} [\; 4 \; \texttt{x}\;] \; ) \; + \; \texttt{cosh} [\; 4 \; \texttt{x}\;] \; + \; \texttt{cosh} [\; 4 \; \texttt{x}\;] \; + \; \texttt{cosh} [\; 4 \; \texttt{x}\;] \; ) \; + \; \texttt{cosh} [\; 4 \; \texttt{x}\;] \; ) \; + \; \texttt{cosh} [\; 4 \; \texttt{x}\;] \;
```

 $\sqrt{(3 a - b + 3 c - 4 (a - c) Cosh[2 x] + (a + b + c) Cosh[4 x]) Csch[x]^4}$ 

```
c(3a-b+3c-4aCosh[2x]+4cCosh[2x]+aCosh[4x]+bCosh[4x]+cCosh[4x]))
                                                                                                                                                                                                                                                              b \operatorname{Csch}[x]^2 \operatorname{Sinh}[2x]
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      c \operatorname{Csch}[x]^2 \operatorname{Sinh}[2x]
                                                     \sqrt{3 a - b + 3 c - 4 (a - c) \cosh[2 x] + (a + b + c) \cosh[4 x]}
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       \sqrt{3 a - b + 3 c - 4 (a - c) \cosh[2 x] + (a + b + c) \cosh[4 x]}
                                                                                                                                                                                                    c Cosh[2x] Csch[x]^2 Sinh[2x]
                                                       \sqrt{3 a - b + 3 c - 4 (a - c) \cosh[2 x] + (a + b + c) \cosh[4 x]}
                      (-4 \text{ a Sinh}[2 \text{ x}] + 4 \text{ c Sinh}[2 \text{ x}] + 2 \text{ a Sinh}[4 \text{ x}] + 2 \text{ b Sinh}[4 \text{ x}] + 2 \text{ c Sinh}[4 \text{ x}])
 \left( 8 \left( b-c-c \, \mathsf{Cosh[2\,x]} \right)^2 \, \sqrt{3 \, \mathsf{a}-b+3 \, c-4 \, \mathsf{a} \, \mathsf{Cosh[2\,x]} + 4 \, c \, \mathsf{Cosh[2\,x]} + \mathsf{a} \, \mathsf{Cosh[4\,x]} + \mathsf{b} \, \mathsf{Cosh[4\,x]} + \mathsf{c} \, \mathsf{Cosh[4\,x]} \right) \right)^2 \, \sqrt{3 \, \mathsf{a}-b+3 \, c-4 \, \mathsf{a} \, \mathsf{Cosh[2\,x]} + 4 \, c \, \mathsf{Cosh[2\,x]} + \mathsf{a} \, \mathsf{Cosh[4\,x]} + \mathsf{b} \, \mathsf{Cosh[4\,x]} + \mathsf{b} \, \mathsf{Cosh[4\,x]} + \mathsf{c} \, \mathsf{cosh[4
                  \sqrt{(2b^2 - 8ac + a(3a - b + 3c - 4aCosh[2x] + 4cCosh[2x] + aCosh[4x] + bCosh[4x] + bCosh[4x])} + cCosh[4x]
                                                            b \; (3\; a - b + 3\; c - 4\; a\; Cosh[\; 2\; x] \; + \; 4\; c\; Cosh[\; 2\; x] \; + \; a\; Cosh[\; 4\; x] \; + \; b\; Cosh[\; 4\; x] \; + \; c\; Cosh[\; 4\; x] \; ) \; + \; c\; Cosh[\; 4\; x] \; ) \; + \; c\; Cosh[\; 4\; x] \; ) \; + \; c\; Cosh[\; 4\; x] \; ) \; + \; c\; Cosh[\; 4\; x] \; ) \; + \; c\; Cosh[\; 4\; x] \; ) \; + \; c\; Cosh[\; 4\; x] \; ) \; + \; c\; Cosh[\; 4\; x] \; ) \; + \; c\; Cosh[\; 4\; x] \; ) \; + \; c\; Cosh[\; 4\; x] \; ) \; + \; c\; Cosh[\; 4\; x] \; ) \; + \; c\; Cosh[\; 4\; x] \; ) \; + \; c\; Cosh[\; 4\; x] \; ) \; + \; c\; Cosh[\; 4\; x] \; ) \; + \; c\; Cosh[\; 4\; x] \; ) \; + \; c\; Cosh[\; 4\; x] \; ) \; + \; c\; Cosh[\; 4\; x] \; ) \; + \; c\; Cosh[\; 4\; x] \; ) \; + \; c\; Cosh[\; 4\; x] \; ) \; + \; c\; Cosh[\; 4\; x] \; ) \; + \; c\; Cosh[\; 4\; x] \; ) \; + \; c\; Cosh[\; 4\; x] \; ) \; + \; c\; Cosh[\; 4\; x] \; ) \; + \; c\; Cosh[\; 4\; x] \; ) \; + \; c\; Cosh[\; 4\; x] \; ) \; + \; c\; Cosh[\; 4\; x] \; ) \; + \; c\; Cosh[\; 4\; x] \; ) \; + \; c\; Cosh[\; 4\; x] \; ) \; + \; c\; Cosh[\; 4\; x] \; ) \; + \; c\; Cosh[\; 4\; x] \; ) \; + \; c\; Cosh[\; 4\; x] \; ) \; + \; c\; Cosh[\; 4\; x] \; ) \; + \; c\; Cosh[\; 4\; x] \; ) \; + \; c\; Cosh[\; 4\; x] \; ) \; + \; c\; Cosh[\; 4\; x] \; ) \; + \; c\; Cosh[\; 4\; x] \; ) \; + \; c\; Cosh[\; 4\; x] \; ) \; + \; c\; Cosh[\; 4\; x] \; ) \; + \; c\; Cosh[\; 4\; x] \; ) \; + \; c\; Cosh[\; 4\; x] \; ) \; + \; c\; Cosh[\; 4\; x] \; ) \; + \; c\; Cosh[\; 4\; x] \; ) \; + \; c\; Cosh[\; 4\; x] \; ) \; + \; c\; Cosh[\; 4\; x] \; ) \; + \; c\; Cosh[\; 4\; x] \; ) \; + \; c\; Cosh[\; 4\; x] \; ) \; + \; c\; Cosh[\; 4\; x] \; ) \; + \; c\; Cosh[\; 4\; x] \; ) \; + \; c\; Cosh[\; 4\; x] \; ) \; + \; c\; Cosh[\; 4\; x] \; ) \; + \; c\; Cosh[\; 4\; x] \; ) \; + \; c\; Cosh[\; 4\; x] \; ) \; + \; c\; Cosh[\; 4\; x] \; ) \; + \; c\; Cosh[\; 4\; x] \; ) \; + \; c\; Cosh[\; 4\; x] \; ) \; + \; c\; Cosh[\; 4\; x] \; ) \; + \; c\; Cosh[\; 4\; x] \; ) \; + \; c\; Cosh[\; 4\; x] \; ) \; + \; c\; Cosh[\; 4\; x] \; ) \; + \; c\; Cosh[\; 4\; x] \; ) \; + \; c\; Cosh[\; 4\; x] \; ) \; + \; c\; Cosh[\; 4\; x] \; ) \; + \; c\; Cosh[\; 4\; x] \; + \; c\; Cosh[\; 4\; x] \; ) \; + \; c\; Cosh[\; 4\; x] \; + \; c\;
                                                              \texttt{c} \; (3 \; \texttt{a} \; - \; \texttt{b} \; + \; 3 \; \texttt{c} \; - \; 4 \; \texttt{a} \; \texttt{Cosh}[\; 2 \; \texttt{x}] \; + \; 4 \; \texttt{c} \; \texttt{Cosh}[\; 2 \; \texttt{x}] \; + \; \texttt{a} \; \texttt{Cosh}[\; 4 \; \texttt{x}] \; + \; \texttt{b} \; \texttt{Cosh}[\; 4 \; \texttt{x}] \; + \; \texttt{c} \; \texttt{Cosh}[\; 4 \; \texttt{x}] \; ) \; )
                  \sqrt{\left(\frac{1}{a+b+c}\left(4\,a+2\,b+\sqrt{2}\,\sqrt{\left(2\,b^2-8\,a\,c+a\,\left(3\,a-b+3\,c-4\,a\,Cosh[2\,x]+4\,c\,Cosh[2\,x]+a\,Cosh[4\,x]+b\,Cosh[4\,x]\right)\right)}\right)}
                                                                                                                                                                                              \texttt{c} \; \texttt{Cosh[4\,x])} \; + \; \texttt{b} \; (3 \; \texttt{a} \; - \; \texttt{b} \; + \; 3 \; \texttt{c} \; - \; 4 \; \texttt{a} \; \texttt{Cosh[2\,x]} \; + \; 4 \; \texttt{c} \; \texttt{Cosh[2\,x]} \; + \; \texttt{a} \; \texttt{Cosh[4\,x]} \; + \; \texttt{b} \; \texttt{Cosh[4\,x]} \; + \; \texttt{c} \; \texttt{Cosh[4\,x]}) \; + \; \texttt{c} \; \texttt{cosh[4\,x]} \; + \; \texttt{cosh[4\,x]} \; + \; \texttt{c} \; \texttt{cosh[4\,x]} \; + \; \texttt{c} \; \texttt{cosh[4\,x]} \; + \; \texttt{c} \; \texttt{cosh[4\,x]} \; + \; \texttt{cosh[4\,x
                                                                                                                                                   c (3 a - b + 3 c - 4 a Cosh[2 x] + 4 c Cosh[2 x] + a Cosh[4 x] + b Cosh[4 x] + c Cosh[4 x]))
                        2a-2c+\sqrt{2}\sqrt{2b^2-8ac+a(3a-b+3c-4a\cosh[2x]+4c\cosh[2x]+a\cosh[4x]+b\cosh[4x]+c\cosh[4x]+c\cosh[4x])}
                                                                                                       b \; (3 \; a \; -b \; + \; 3 \; c \; -4 \; a \; Cosh[\; 2 \; x] \; + \; 4 \; c \; Cosh[\; 2 \; x] \; + \; a \; Cosh[\; 4 \; x] \; + \; b \; Cosh[\; 4 \; x] \; + \; c \; Cosh[\; 4 \; x] \; ) \; + \; c \; Cosh[\; 4 \; x] \; ) \; + \; c \; Cosh[\; 4 \; x] \; ) \; + \; c \; Cosh[\; 4 \; x] \; ) \; + \; c \; Cosh[\; 4 \; x] \; ) \; + \; c \; Cosh[\; 4 \; x] \; ) \; + \; c \; Cosh[\; 4 \; x] \; ) \; + \; c \; Cosh[\; 4 \; x] \; ) \; + \; c \; Cosh[\; 4 \; x] \; ) \; + \; c \; Cosh[\; 4 \; x] \; ) \; + \; c \; Cosh[\; 4 \; x] \; ) \; + \; c \; Cosh[\; 4 \; x] \; ) \; + \; c \; Cosh[\; 4 \; x] \; ) \; + \; c \; Cosh[\; 4 \; x] \; ) \; + \; c \; Cosh[\; 4 \; x] \; ) \; + \; c \; Cosh[\; 4 \; x] \; ) \; + \; c \; Cosh[\; 4 \; x] \; ) \; + \; c \; Cosh[\; 4 \; x] \; ) \; + \; c \; Cosh[\; 4 \; x] \; ) \; + \; c \; Cosh[\; 4 \; x] \; ) \; + \; c \; Cosh[\; 4 \; x] \; ) \; + \; c \; Cosh[\; 4 \; x] \; ) \; + \; c \; Cosh[\; 4 \; x] \; ) \; + \; c \; Cosh[\; 4 \; x] \; ) \; + \; c \; Cosh[\; 4 \; x] \; ) \; + \; c \; Cosh[\; 4 \; x] \; ) \; + \; c \; Cosh[\; 4 \; x] \; ) \; + \; c \; Cosh[\; 4 \; x] \; ) \; + \; c \; Cosh[\; 4 \; x] \; ) \; + \; c \; Cosh[\; 4 \; x] \; ) \; + \; c \; Cosh[\; 4 \; x] \; ) \; + \; c \; Cosh[\; 4 \; x] \; ) \; + \; c \; Cosh[\; 4 \; x] \; ) \; + \; c \; Cosh[\; 4 \; x] \; ) \; + \; c \; Cosh[\; 4 \; x] \; ) \; + \; c \; Cosh[\; 4 \; x] \; ) \; + \; c \; Cosh[\; 4 \; x] \; ) \; + \; c \; Cosh[\; 4 \; x] \; ) \; + \; c \; Cosh[\; 4 \; x] \; ) \; + \; c \; Cosh[\; 4 \; x] \; ) \; + \; c \; Cosh[\; 4 \; x] \; ) \; + \; c \; Cosh[\; 4 \; x] \; ) \; + \; c \; Cosh[\; 4 \; x] \; ) \; + \; c \; Cosh[\; 4 \; x] \; ) \; + \; c \; Cosh[\; 4 \; x] \; ) \; + \; c \; Cosh[\; 4 \; x] \; ) \; + \; c \; Cosh[\; 4 \; x] \; ) \; + \; c \; Cosh[\; 4 \; x] \; ) \; + \; c \; Cosh[\; 4 \; x] \; ) \; + \; c \; Cosh[\; 4 \; x] \; ) \; + \; c \; Cosh[\; 4 \; x] \; ) \; + \; c \; Cosh[\; 4 \; x] \; ) \; + \; c \; Cosh[\; 4 \; x] \; ) \; + \; c \; Cosh[\; 4 \; x] \; ) \; + \; c \; Cosh[\; 4 \; x] \; + \; c \; Cosh[\; 4 \; x] \; ) \; + \; c \; Cosh[\; 4 \; x] \; ) \; + \; c \; Cosh[\; 4 \; x] \; + \; c \; Cosh[\; 4 \; x] \; ) \; + \; c \; Cosh[\; 4 \; x] \; + \; c \; Cosh[\; 4 \; x] \; + \; c \; Cosh[\; 4 \; x] \; + \; c \; Cosh[\; 4 \; x] \; + \; c \; Cosh[\; 4 \; x] \; + \; c \; Cosh[\; 4 \; x] \; + \; c \; Cosh[\; 4 \; x] \; + \; c \; Cosh[\; 4 \; x] \; + \; c \; Cosh[\; 4 \; x] \; + \; c \; Cosh[\; 4 \; x] \; + \; c \; Cosh[\; 4 \; x] \; + \; 
                                                                                                        c(3a-b+3c-4aCosh[2x]+4cCosh[2x]+aCosh[4x]+bCosh[4x]+cCosh[4x]))
                  \sqrt{\left[-1 + \frac{1}{2(a+b+c)} \left(2 a - 2 c + \sqrt{2} \sqrt{\left(2 b^2 - 8 a c + a \left(3 a - b + 3 c - 4 a \cosh[2 x] + 4 c \cosh[2 x] + a \cosh[4 x] +
                                                                                                                                                                                                            b \, Cosh[4\,x] + c \, Cosh[4\,x]) + b \, (3\,a - b + 3\,c - 4\,a \, Cosh[2\,x] + 4\,c \, Cosh[2\,x] + a \, Cosh[4\,x] + b 
                                                                                                                                                                                                              c \cosh[4x]) + c (3a - b + 3c - 4a \cosh[2x] + 4c \cosh[2x] + a \cosh[4x] + b \cosh[4x] + c \cosh[4x])
                  \sqrt{\left[1 + \frac{1}{2(a+b+c)} \left(2a-2c+\sqrt{2}\sqrt{2b^2-8ac+a(3a-b+3c-4a\cosh[2x]+4c\cosh[2x]+a\cosh[4x]+a\cosh[4x]+a\cosh[4x]+a\cosh[4x]+a\cosh[4x]+a\cosh[4x]+a\cosh[4x]+a\cosh[4x]+a\cosh[4x]+a\cosh[4x]+a\cosh[4x]+a\cosh[4x]+a\cosh[4x]+a\cosh[4x]+a\cosh[4x]+a\cosh[4x]+a\cosh[4x]+a\cosh[4x]+a\cosh[4x]+a\cosh[4x]+a\cosh[4x]+a\cosh[4x]+a\cosh[4x]+a\cosh[4x]+a\cosh[4x]+a\cosh[4x]+a\cosh[4x]+a\cosh[4x]+a\cosh[4x]+a\cosh[4x]+a\cosh[4x]+a\cosh[4x]+a\cosh[4x]+a\cosh[4x]+a\cosh[4x]+ah[4x]+ah[4x]+ah[4x]+ah[4x]+ah[4x]+ah[4x]+ah[4x]+ah[4x]+ah[4x]+ah[4x]+ah[4x]+ah[4x]+ah[4x]+ah[4x]+ah[4x]+ah[4x]+ah[4x]+ah[4x]+ah[4x]+ah[4x]+ah[4x]+ah[4x]+ah[4x]+ah[4x]+ah[4x]+ah[4x]+ah[4x]+ah[4x]+ah[4x]+ah[4x]+ah[4x]+ah[4x]+ah[4x]+ah[4x]+ah[4x]+ah[4x]+ah[4x]+ah[4x]+ah[4x]+ah[4x]+ah[4x]+ah[4x]+ah[4x]+ah[4x]+ah[4x]+ah[4x]+ah[4x]+ah[4x]+ah[4x]+ah[4x]+ah[4x]+ah[4x]+ah[4x]+ah[4x]+ah[4x]+ah[4x]+ah[4x]+ah[4x]+ah[4x]+ah[4x]+ah[4x]+ah[4x]+ah[4x]+ah[4x]+ah[4x]+ah[4x]+ah[4x]+ah[4x]+ah[4x]+ah[4x]+ah[4x]+ah[4x]+ah[4x]+ah[4x]+ah[4x]+ah[4x]+ah[4x]+ah[4x]+ah[4x]+ah[4x]+ah[4x]+ah[4x]+ah[4x]+ah[4x]+ah[4x]+ah[4x]+ah[4x]+ah[4x]+ah[4x]+ah[4x]+ah[4x]+ah[4x]+ah[4x]+ah[4x]+ah[4x]+ah[4x]+ah[4x]+ah[4x]+ah[4x]+ah[4x]+ah[4x]+ah[4x]+ah[4x]+ah[4x]+ah[4x]+ah[4x]+ah[4x]+ah[4x]+ah[4x]+ah[4x]+ah[4x]+ah[4x]+ah[4x]+ah[4x]+ah[4x]+ah[4x]+ah[4x]+ah[4x]+ah[4x]+ah[4x]+ah[4x]+ah[4x]+ah[4x]+ah[4x]+ah[4x]+ah[4x]+ah[4x]+ah[4x]+ah[4x]+ah[4x]+ah[4x]+ah[4x]+ah[4x]+ah[4x]+ah[4x]+ah[4x]+ah[4x]+ah[4x]+ah[4x]+ah[4x]+ah[4x]+ah[4x]+ah[4x]+ah[4x]+ah[4x]+ah[4x]+ah[4x]+ah[4x]+ah[4x]+ah[4x]+ah[4x]+ah[4x]+ah[4x]+ah[4x]+ah[4x]+ah[4x]+ah[4x]+ah[4x]+ah[4x]+ah[4x]+ah[4x]+ah[4x]+ah[4x]+ah[4x]+ah[4x]+ah[4x]+ah[4x]+ah[4x]+ah[4x]+ah[4x]+ah[4x]+ah[4x]+ah[4x]+ah[4x]+ah[4x]+ah[4x]+ah[4x]+ah[4x]+ah[4x]+ah[4x]+ah[4x]+ah[4x]+ah[4x]+ah[4x]+ah[4x]+ah[4x]+ah[4x]+ah[4x]+ah[4x]+ah[4x]+ah[4x]+ah[4x]+ah[4x]+ah[4x]+ah[4x]+ah[4x]+ah[4x]+ah[4x]+ah[4x]+ah[4x]+ah[4x]+ah[4x]+ah[4x]+ah[4x]+ah[4x]+ah[4x]+ah[4x]+ah[4x]+ah[4x]+ah[4x]+ah[4x]+ah[4x]+ah[4x]+ah[4x]+ah[4x]+ah[4x]+ah[4x]+ah[4x]+ah[4x]+ah[4x]+ah[4x]+ah[4x]+ah[4x]+ah[4x]+ah[4x]+ah[4x]+ah[4x]+ah[4x]+ah[4x]+ah[4x]+ah[4x]+ah[4x]+ah[4x]+ah[4x]+ah[4x]+ah[4x]+ah[4x]+ah[4x]+ah[4x]+ah[4x]+ah[4x]+ah[4x]+ah[4x]+ah[4x]+ah[4x]+ah[4x]+ah[4x
                                                                                                                                                                                                            b\, Cosh[\, 4\, x]\, + c\, Cosh[\, 4\, x]\,) \, + b\, (\, 3\, a\, -\, b\, +\, 3\, c\, -\, 4\, a\, Cosh[\, 2\, x]\, +\, 4\, c\, Cosh[\, 2\, x]\, +\, a\, Cosh[\, 4\, x]\, +\, b\, Cosh
                                                                                                                                                                                                              c \, Cosh[4 \, x]) + c \, (3 \, a - b + 3 \, c - 4 \, a \, Cosh[2 \, x] + 4 \, c \, Cosh[2 \, x] + a \, Cosh[4 \, x] + b \, Cosh[4 \, x] + c \, Cosh[4 \, x]))
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 \texttt{c} \; \left( \; 3 \; a \; - \; b \; + \; 3 \; c \; - \; 4 \; \left( \; a \; - \; c \; \right) \; Cosh[\; 2 \; x \; ] \; + \; \left( \; a \; + \; b \; + \; c \; \right) \; Cosh[\; 4 \; x \; ] \; \right) 
                             2 a \sqrt{3 a - b + 3 c - 4 a Cosh[2 x] + 4 c Cosh[2 x] + a Cosh[4 x] + b Cosh[4 x] + c Cosh[4 x]}
                                                  2 b \sqrt{3} a - b + 3 c - 4 a Cosh[2 x] + 4 c Cosh[2 x] + a Cosh[4 x] + b Cosh[4 x] + c Cosh[4 x] + c Cosh[4 x]
                                                  2 c \sqrt{3 a - b + 3 c - 4 a Cosh[2 x] + 4 c Cosh[2 x] + a Cosh[4 x] + b Cosh[4 x] + c Cosh[4 x]}
                          \sqrt{\left(\frac{1}{a+b+c}\left(-2b-4c+\sqrt{2}\sqrt{2b^2-8ac+a(3a-b+3c-4a\cosh[2x]+4c\cosh[2x]+a\cosh[4x]+b\cosh[4x]+b\cosh[4x]+b\cosh[4x]+b\cosh[4x]+b\cosh[4x]+b\cosh[4x]+b\cosh[4x]+b\cosh[4x]+b\cosh[4x]+b\cosh[4x]+b\cosh[4x]+b\cosh[4x]+b\cosh[4x]+b\cosh[4x]+b\cosh[4x]+b\cosh[4x]+b\cosh[4x]+b\cosh[4x]+b\cosh[4x]+b\cosh[4x]+b\cosh[4x]+b\cosh[4x]+b\cosh[4x]+b\cosh[4x]+b\cosh[4x]+b\cosh[4x]+b\cosh[4x]+b\cosh[4x]+b\cosh[4x]+b\cosh[4x]+b\cosh[4x]+b\cosh[4x]+b\cosh[4x]+b\cosh[4x]+b\cosh[4x]+b\cosh[4x]+b\cosh[4x]+b\cosh[4x]+b\cosh[4x]+b\cosh[4x]+b\cosh[4x]+b\cosh[4x]+b\cosh[4x]+b\cosh[4x]+b\cosh[4x]+b\cosh[4x]+b\cosh[4x]+b\cosh[4x]+b\cosh[4x]+b\cosh[4x]+b\cosh[4x]+b\cosh[4x]+b\cosh[4x]+b\cosh[4x]+b\cosh[4x]+b\cosh[4x]+b\cosh[4x]+b\cosh[4x]+b\cosh[4x]+b\cosh[4x]+bhanden + bhanden + bh
                                                                                                                                                                             c \, Cosh[4 \, x]) + b \, (3 \, a - b + 3 \, c - 4 \, a \, Cosh[2 \, x] + 4 \, c \, Cosh[2 \, x] + a \, Cosh[4 \, x] + b \, Cosh[4 \, x] + c \, Cosh[4 \, x]) + c
                                                                                                                                        c (3 a - b + 3 c - 4 a Cosh[2 x] + 4 c Cosh[2 x] + a Cosh[4 x] + b Cosh[4 x] + c Cosh[4 x]))
                                                                                                                                             \texttt{ArcTanh} \left\lceil \frac{\sqrt{\,\text{3 a-b+3 c-4 a Cosh[2\,x]+4 c Cosh[2\,x]+4 c Cosh[4\,x]+b \, Cosh[4\,x]+b \, Cosh[4\,x]+c \, Cosh[4\,x]}}{\sqrt{\,\text{3 a-b+3 c-4 a Cosh[2\,x]+4 c \, Cosh[2\,x]+a \, Cosh[4\,x]+b \, Co
                          Csch[x]^2
                                                \frac{1}{2\sqrt{c}} \operatorname{ArcTanh} \left[ \left( (b+2c) \sqrt{3 a-b+3 c-4 a Cosh[2x]+4 c Cosh[2x]+a Cosh[4x]+b Cosh[4x]+c Cosh[4x]+c
                                                                                          2\sqrt{c}\sqrt{(2b^2-8ac+a(3a-b+3c-4a\cosh[2x]+4c\cosh[2x]+a\cosh[4x]+b\cosh[4x]+c\cosh[4x])}
                                                                                                                                                     b \; (3 \; a \; -b \; + \; 3 \; c \; -4 \; a \; Cosh[\; 2 \; x] \; + \; 4 \; c \; Cosh[\; 2 \; x] \; + \; a \; Cosh[\; 4 \; x] \; + \; b \; Cosh[\; 4 \; x] \; + \; c \; Cosh[\; 4 \; x] \; ) \; + \; c \; cosh[\; 4 \; x] \; ) \; + \; cosh[\; 4 \; x] \; + \; cosh[\; 4 \; x] \; ) \; + \; cosh[\; 4 \; x] \; + \; cosh[\; 4 \; x] \; ) \; + \; cosh[\; 4 \; x] \; + \; cosh[\; 4 \; x] \; ) \; + \; cosh[\; 4 \; x] \; + \; cosh[\; 4 \; x] \; ) \; + \; cosh[\; 4 \; x] \; + \; cosh[\; 4 \; x] \; + \; cosh[\; 4 \; x] \; ) \; + \; cosh[\; 4 \; x] \; + \; cosh[\; 4 \; x] \; + \; cosh[\; 4 \; x] \; ) \; + \; cosh[\; 4 \; x] \; + \; cosh[\; 4 \; x] \; + \; cosh[\; 4 \; x] \; ) \; + \; cosh[\; 4 \; x] \; + \; cosh
                                                                                                                                                    c(3a-b+3c-4aCosh[2x]+4cCosh[2x]+aCosh[4x]+bCosh[4x]+cCosh[4x])))
                                                    \frac{1}{\sqrt{a+b+c}} Log[2(a\sqrt{3a-b+3c-4aCosh[2x]+4cCosh[2x]+aCosh[4x]+bCosh[4x]+cCosh[4x]} + \frac{1}{\sqrt{a+b+c}} Log[2(a\sqrt{3a-b+3c-4aCosh[2x]+4cCosh[2x]} + \frac{1}{\sqrt{a+b+c}} Log[2(a\sqrt{3a-b+3c-4aCosh[2x]} + \frac{1}{\sqrt{a+b+c}} Log[2(a\sqrt{3a-b+aCosh[2x]} + \frac{1}{\sqrt{a+b+c}} Log[2(a\sqrt{a+b+aCosh[2x]} + \frac{1}{\sqrt{a+b+aCosh[2x]} +
                                                                                                              b\sqrt{3}a - b + 3c - 4a Cosh[2x] + 4c Cosh[2x] + a Cosh[4x] + b Cosh[4x] + c Cosh[4x] + c Cosh[4x]
                                                                                                                 c\sqrt{3}a-b+3c-4a\cosh[2x]+4c\cosh[2x]+a\cosh[4x]+b\cosh[4x]+c\cosh[4x]+\sqrt{a+b+c}
                                                                                                                             \sqrt{(2b^2 - 8ac + a(3a - b + 3c - 4aCosh[2x] + 4cCosh[2x] + aCosh[4x] + bCosh[4x] + cCosh[4x])}
                                                                                                                                                                 \texttt{b} \; (3 \; \texttt{a} \; - \; \texttt{b} \; + \; 3 \; \texttt{c} \; - \; 4 \; \texttt{a} \; \texttt{Cosh} [\; 2 \; \texttt{x}\;] \; + \; 4 \; \texttt{c} \; \texttt{Cosh} [\; 2 \; \texttt{x}\;] \; + \; \texttt{a} \; \texttt{Cosh} [\; 4 \; \texttt{x}\;] \; + \; \texttt{b} \; \texttt{Cosh} [\; 4 \; \texttt{x}\;] \; + \; \texttt{c} \; \texttt{Cosh} [\; 4 \; \texttt{x}\;] \; ) \; + \; \texttt{c} \; \texttt{cosh} [\; 4 \; \texttt{x}\;] \; + \; \texttt{c} \; \texttt{cosh} [\; 4 \; \texttt{x}\;] \; ) \; + \; \texttt{cosh} [\; 4 \; \texttt{x}\;] \; +
                                                                                                                                                                c(3a-b+3c-4aCosh[2x]+4cCosh[2x]+aCosh[4x]+bCosh[4x]+cCosh[4x]))
                                                                                                                                                                                                                                   b \operatorname{Csch}[x]^2 \operatorname{Sinh}[2x]
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       c Csch[x]^2 Sinh[2x]
                                                    \sqrt{3 a - b + 3 c - 4 (a - c) \cosh[2 x] + (a + b + c) \cosh[4 x]}
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   \sqrt{3 a - b + 3 c - 4 (a - c) Cosh[2 x] + (a + b + c) Cosh[4 x]}
                                                                                                                                                                                  c Cosh[2x] Csch[x]^2 Sinh[2x]
                                                         \sqrt{3 a - b + 3 c - 4 (a - c) \cosh[2 x] + (a + b + c) \cosh[4 x]}
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(-4 \text{ a Sinh}[2 \text{ x}] + 4 \text{ c Sinh}[2 \text{ x}] + 2 \text{ a Sinh}[4 \text{ x}] + 2 \text{ b Sinh}[4 \text{ x}] + 2 \text{ c Sinh}[4 \text{ x}])
\sqrt{(2b^2 - 8ac + a(3a - b + 3c - 4aCosh[2x] + 4cCosh[2x] + aCosh[4x] + bCosh[4x] + cCosh[4x])} + cCosh[4x] + cCos
                                                                      b \; (3 \; a \; - \; b \; + \; 3 \; c \; - \; 4 \; a \; Cosh[\; 2 \; x] \; + \; 4 \; c \; Cosh[\; 2 \; x] \; + \; a \; Cosh[\; 4 \; x] \; + \; b \; Cosh[\; 4 \; x] \; + \; c \; Cosh[\; 4 \; x] \; ) \; + \; c \; Cosh[\; 4 \; x] \; ) \; + \; c \; Cosh[\; 4 \; x] \; ) \; + \; c \; Cosh[\; 4 \; x] \; ) \; + \; c \; Cosh[\; 4 \; x] \; ) \; + \; c \; Cosh[\; 4 \; x] \; ) \; + \; c \; Cosh[\; 4 \; x] \; ) \; + \; c \; Cosh[\; 4 \; x] \; ) \; + \; c \; Cosh[\; 4 \; x] \; ) \; + \; c \; Cosh[\; 4 \; x] \; ) \; + \; c \; Cosh[\; 4 \; x] \; ) \; + \; c \; Cosh[\; 4 \; x] \; ) \; + \; c \; Cosh[\; 4 \; x] \; ) \; + \; c \; Cosh[\; 4 \; x] \; ) \; + \; c \; Cosh[\; 4 \; x] \; ) \; + \; c \; Cosh[\; 4 \; x] \; ) \; + \; c \; Cosh[\; 4 \; x] \; ) \; + \; c \; Cosh[\; 4 \; x] \; ) \; + \; c \; Cosh[\; 4 \; x] \; ) \; + \; c \; Cosh[\; 4 \; x] \; ) \; + \; c \; Cosh[\; 4 \; x] \; ) \; + \; c \; Cosh[\; 4 \; x] \; ) \; + \; c \; Cosh[\; 4 \; x] \; ) \; + \; c \; Cosh[\; 4 \; x] \; ) \; + \; c \; Cosh[\; 4 \; x] \; ) \; + \; c \; Cosh[\; 4 \; x] \; ) \; + \; c \; Cosh[\; 4 \; x] \; ) \; + \; c \; Cosh[\; 4 \; x] \; ) \; + \; c \; Cosh[\; 4 \; x] \; ) \; + \; c \; Cosh[\; 4 \; x] \; ) \; + \; c \; Cosh[\; 4 \; x] \; ) \; + \; c \; Cosh[\; 4 \; x] \; ) \; + \; c \; Cosh[\; 4 \; x] \; ) \; + \; c \; Cosh[\; 4 \; x] \; ) \; + \; c \; Cosh[\; 4 \; x] \; ) \; + \; c \; Cosh[\; 4 \; x] \; ) \; + \; c \; Cosh[\; 4 \; x] \; ) \; + \; c \; Cosh[\; 4 \; x] \; ) \; + \; c \; Cosh[\; 4 \; x] \; ) \; + \; c \; Cosh[\; 4 \; x] \; ) \; + \; c \; Cosh[\; 4 \; x] \; ) \; + \; c \; Cosh[\; 4 \; x] \; ) \; + \; c \; Cosh[\; 4 \; x] \; ) \; + \; c \; Cosh[\; 4 \; x] \; ) \; + \; c \; Cosh[\; 4 \; x] \; ) \; + \; c \; Cosh[\; 4 \; x] \; ) \; + \; c \; Cosh[\; 4 \; x] \; ) \; + \; c \; Cosh[\; 4 \; x] \; ) \; + \; c \; Cosh[\; 4 \; x] \; ) \; + \; c \; Cosh[\; 4 \; x] \; ) \; + \; c \; Cosh[\; 4 \; x] \; ) \; + \; c \; Cosh[\; 4 \; x] \; ) \; + \; c \; Cosh[\; 4 \; x] \; ) \; + \; c \; Cosh[\; 4 \; x] \; ) \; + \; c \; Cosh[\; 4 \; x] \; ) \; + \; c \; Cosh[\; 4 \; x] \; ) \; + \; c \; Cosh[\; 4 \; x] \; + \; c \; Cosh[\; 4 \; x] \; ) \; + \; c \; Cosh[\; 4 \; x] \; + \; c \; Cosh[\; 4 \; x] \; ) \; + \; c \; Cosh[\; 4 \; x] \; + \; c \; Cosh[\; 4 \; x] \; + \; c \; Cosh[\; 4 \; x] \; + \; c \; Cosh[\; 4 \; x] \; + \; c \; Cosh[\; 4 \; x] \; + \; c \; Cosh[\; 4 \; x] \; + \; c \; Cosh[\; 4 \; x] \; + \; c \; Cosh[\; 4 \; x] \; + \; c \; Cosh[\; 4 \; x] \; + \; c \; Cosh[\; 4 \;
                                                                      \texttt{c} \; (3 \; \texttt{a} \; - \; \texttt{b} \; + \; 3 \; \texttt{c} \; - \; 4 \; \texttt{a} \; \texttt{Cosh}[\; 2 \; \texttt{x}] \; + \; 4 \; \texttt{c} \; \texttt{Cosh}[\; 2 \; \texttt{x}] \; + \; \texttt{a} \; \texttt{Cosh}[\; 4 \; \texttt{x}] \; + \; \texttt{b} \; \texttt{Cosh}[\; 4 \; \texttt{x}] \; + \; \texttt{b} \; \texttt{Cosh}[\; 4 \; \texttt{x}] \; ) \; )
                    \sqrt{\left(\frac{1}{a+b+c}\left(4\,a+2\,b+\sqrt{2}\,\sqrt{\left(2\,b^2-8\,a\,c+a\,\left(3\,a-b+3\,c-4\,a\,Cosh[2\,x]+4\,c\,Cosh[2\,x]+a\,Cosh[4\,x]+b\,Cosh[4\,x]\right)\right)}\right)}
                                                                                                                                                                                                                      c \cosh[4x]) + b (3 a - b + 3 c - 4 a \cosh[2x] + 4 c \cosh[2x] + a \cosh[4x] + b \cosh[4x] + c \cosh[4x]) +
                                                                                                                                                                     c (3 a - b + 3 c - 4 a Cosh[2 x] + 4 c Cosh[2 x] + a Cosh[4 x] + b Cosh[4 x] + c Cosh[4 x]))
                           \left(2\,\text{a} - 2\,\text{c} + \sqrt{2}\,\sqrt{\left(2\,\text{b}^2 - 8\,\text{a}\,\text{c} + \text{a}\,\left(3\,\text{a} - \text{b} + 3\,\text{c} - 4\,\text{a}\,\text{Cosh}[2\,\text{x}] + 4\,\text{c}\,\text{Cosh}[2\,\text{x}] + \text{a}\,\text{Cosh}[4\,\text{x}] + \text{b}\,\text{Cosh}[4\,\text{x}] + \text{c}\,\text{Cosh}[4\,\text{x}]\right) + \left(2\,\text{b}^2 - 8\,\text{a}\,\text{c} + \text{a}\,\left(3\,\text{a} - \text{b} + 3\,\text{c} - 4\,\text{a}\,\text{Cosh}[2\,\text{x}] + 4\,\text{c}\,\text{Cosh}[2\,\text{x}] + \text{a}\,\text{Cosh}[4\,\text{x}] + \text{b}\,\text{Cosh}[4\,\text{x}] + \text{c}\,\text{Cosh}[4\,\text{x}]\right) + \left(2\,\text{b}^2 - 8\,\text{a}\,\text{c} + \text{a}\,\left(3\,\text{a} - \text{b} + 3\,\text{c} - 4\,\text{a}\,\text{Cosh}[2\,\text{x}] + 4\,\text{c}\,\text{Cosh}[2\,\text{x}] + \text{a}\,\text{Cosh}[4\,\text{x}] + \text{b}\,\text{Cosh}[4\,\text{x}] + \text{c}\,\text{Cosh}[4\,\text{x}]\right) + \left(2\,\text{c}\,\text{c}^2 - 4\,\text{c}\,\text{c}^2 + 4\,\text
                                                                                                                   c(3a-b+3c-4aCosh[2x]+4cCosh[2x]+aCosh[4x]+bCosh[4x]+cCosh[4x]))
                    \sqrt{\left[-1 + \frac{1}{2(a+b+c)} \left(2 a - 2 c + \sqrt{2} \sqrt{(2b^2 - 8 a c + a (3 a - b + 3 c - 4 a Cosh[2x] + 4 c Cosh[2x] + a Cosh[4x] + a Cosh[4x]
                                                                                                                                                                                                                                        b \, Cosh[4\,x] \, + c \, Cosh[4\,x] \, ) \, + b \, (3\,a - b + 3\,c - 4\,a \, Cosh[2\,x] \, + 4\,c \, Cosh[2\,x] \, + a \, Cosh[4\,x] \, + b \, Cosh[4\,x] \, +
                                                                                                                                                                                                                                      \texttt{cCosh[4\,x])} + \texttt{c} \; (3\,\texttt{a} - \texttt{b} + 3\,\texttt{c} - 4\,\texttt{aCosh[2\,x]} + 4\,\texttt{cCosh[2\,x]} + \texttt{aCosh[4\,x]} + \texttt{bCosh[4\,x]} + \texttt{bCosh[4\,x]} + \texttt{cCosh[4\,x]}) \Big)^{-1} + \texttt{cCosh[4\,x]} + \texttt{cCosh[4\,x]}
                    \sqrt{\left[1 + \frac{1}{2(a+b+c)} \left[2a-2c+\sqrt{2}\sqrt{2b^2-8ac+a(3a-b+3c-4a\cosh[2x]+4c\cosh[2x]+a\cosh[4x]+a\cosh[4x]+a\cosh[4x]+a\cosh[4x]+a\cosh[4x]+a\cosh[4x]+a\cosh[4x]+a\cosh[4x]+a\cosh[4x]+a\cosh[4x]+a\cosh[4x]+a\cosh[4x]+a\cosh[4x]+a\cosh[4x]+a\cosh[4x]+a\cosh[4x]+a\cosh[4x]+a\cosh[4x]+a\cosh[4x]+a\cosh[4x]+a\cosh[4x]+a\cosh[4x]+a\cosh[4x]+a\cosh[4x]+a\cosh[4x]+a\cosh[4x]+a\cosh[4x]+a\cosh[4x]+a\cosh[4x]+a\cosh[4x]+a\cosh[4x]+a\cosh[4x]+a\cosh[4x]+a\cosh[4x]+a\cosh[4x]+ah[4x]+ah[4x]+ah[4x]+ah[4x]+ah[4x]+ah[4x]+ah[4x]+ah[4x]+ah[4x]+ah[4x]+ah[4x]+ah[4x]+ah[4x]+ah[4x]+ah[4x]+ah[4x]+ah[4x]+ah[4x]+ah[4x]+ah[4x]+ah[4x]+ah[4x]+ah[4x]+ah[4x]+ah[4x]+ah[4x]+ah[4x]+ah[4x]+ah[4x]+ah[4x]+ah[4x]+ah[4x]+ah[4x]+ah[4x]+ah[4x]+ah[4x]+ah[4x]+ah[4x]+ah[4x]+ah[4x]+ah[4x]+ah[4x]+ah[4x]+ah[4x]+ah[4x]+ah[4x]+ah[4x]+ah[4x]+ah[4x]+ah[4x]+ah[4x]+ah[4x]+ah[4x]+ah[4x]+ah[4x]+ah[4x]+ah[4x]+ah[4x]+ah[4x]+ah[4x]+ah[4x]+ah[4x]+ah[4x]+ah[4x]+ah[4x]+ah[4x]+ah[4x]+ah[4x]+ah[4x]+ah[4x]+ah[4x]+ah[4x]+ah[4x]+ah[4x]+ah[4x]+ah[4x]+ah[4x]+ah[4x]+ah[4x]+ah[4x]+ah[4x]+ah[4x]+ah[4x]+ah[4x]+ah[4x]+ah[4x]+ah[4x]+ah[4x]+ah[4x]+ah[4x]+ah[4x]+ah[4x]+ah[4x]+ah[4x]+ah[4x]+ah[4x]+ah[4x]+ah[4x]+ah[4x]+ah[4x]+ah[4x]+ah[4x]+ah[4x]+ah[4x]+ah[4x]+ah[4x]+ah[4x]+ah[4x]+ah[4x]+ah[4x]+ah[4x]+ah[4x]+ah[4x]+ah[4x]+ah[4x]+ah[4x]+ah[4x]+ah[4x]+ah[4x]+ah[4x]+ah[4x]+ah[4x]+ah[4x]+ah[4x]+ah[4x]+ah[4x]+ah[4x]+ah[4x]+ah[4x]+ah[4x]+ah[4x]+ah[4x]+ah[4x]+ah[4x]+ah[4x]+ah[4x]+ah[4x]+ah[4x]+ah[4x]+ah[4x]+ah[4x]+ah[4x]+ah[4x]+ah[4x]+ah[4x]+ah[4x]+ah[4x]+ah[4x]+ah[4x]+ah[4x]+ah[4x]+ah[4x]+ah[4x]+ah[4x]+ah[4x]+ah[4x]+ah[4x]+ah[4x]+ah[4x]+ah[4x]+ah[4x]+ah[4x]+ah[4x]+ah[4x]+ah[4x]+ah[4x]+ah[4x]+ah[4x]+ah[4x]+ah[4x]+ah[4x]+ah[4x]+ah[4x]+ah[4x]+ah[4x]+ah[4x]+ah[4x]+ah[4x]+ah[4x]+ah[4x]+ah[4x]+ah[4x]+ah[4x]+ah[4x]+ah[4x]+ah[4x]+ah[4x]+ah[4x]+ah[4x]+ah[4x]+ah[4x]+ah[4x]+ah[4x]+ah[4x]+ah[4x]+ah[4x]+ah[4x]+ah[4x]+ah[4x]+ah[4x]+ah[4x]+ah[4x]+ah[4x]+ah[4x]+ah[4x]+ah[4x]+ah[4x]+ah[4x]+ah[4x]+ah[4x]+ah[4x]+ah[4x]+ah[4x]+ah[4x]+ah[4x]+ah[4x]+ah[4x]+ah[4x]+ah[4x]+ah[4x]+ah[4x]+ah[4x]+ah[4x]+ah[4x]+ah[4x]+ah[4x]+ah[4x]+ah[4x]+ah[4x]+ah[4x]+ah[4x]+ah[4x]+ah[4x]+ah[4x]+ah[4x]+ah[4x]+ah[4x]+ah[4x]+ah[4x]+ah[4x]+ah[4x]+ah[4x]+ah[4x]+ah[4x]+ah[4x]+ah[4x]+ah[4x
                                                                                                                                                                                                                                      b\, \texttt{Cosh}\,[\,4\,\,x]\,\,+\,c\, \texttt{Cosh}\,[\,4\,\,x]\,\,)\,\,+\,b\,\,(\,3\,\,a\,\,-\,\,b\,\,+\,3\,\,c\,\,-\,\,4\,\,a\,\,\texttt{Cosh}\,[\,2\,\,x]\,\,+\,4\,\,c\,\,\texttt{Cosh}\,[\,2\,\,x]\,\,+\,a\,\,\texttt{Cosh}\,[\,4\,\,x]\,\,+\,b\,\,\texttt{Cosh}\,[\,4\,\,x]\,\,+\,b\,\,\texttt{Cosh}\,[\,4\,\,x]\,\,+\,b\,\,\texttt{Cosh}\,[\,4\,\,x]\,\,+\,b\,\,\texttt{Cosh}\,[\,4\,\,x]\,\,+\,b\,\,\texttt{Cosh}\,[\,4\,\,x]\,\,+\,b\,\,\texttt{Cosh}\,[\,4\,\,x]\,\,+\,b\,\,\texttt{Cosh}\,[\,4\,\,x]\,\,+\,b\,\,\texttt{Cosh}\,[\,4\,\,x]\,\,+\,b\,\,\texttt{Cosh}\,[\,4\,\,x]\,\,+\,b\,\,\texttt{Cosh}\,[\,4\,\,x]\,\,+\,b\,\,\texttt{Cosh}\,[\,4\,\,x]\,\,+\,b\,\,\texttt{Cosh}\,[\,4\,\,x]\,\,+\,b\,\,\texttt{Cosh}\,[\,4\,\,x]\,\,+\,b\,\,\texttt{Cosh}\,[\,4\,\,x]\,\,+\,b\,\,\texttt{Cosh}\,[\,4\,\,x]\,\,+\,b\,\,\texttt{Cosh}\,[\,4\,\,x]\,\,+\,b\,\,\texttt{Cosh}\,[\,4\,\,x]\,\,+\,b\,\,\texttt{Cosh}\,[\,4\,\,x]\,\,+\,b\,\,\texttt{Cosh}\,[\,4\,\,x]\,\,+\,b\,\,\texttt{Cosh}\,[\,4\,\,x]\,\,+\,b\,\,\texttt{Cosh}\,[\,4\,\,x]\,\,+\,b\,\,\texttt{Cosh}\,[\,4\,\,x]\,\,+\,b\,\,\texttt{Cosh}\,[\,4\,\,x]\,\,+\,b\,\,\texttt{Cosh}\,[\,4\,\,x]\,\,+\,b\,\,\texttt{Cosh}\,[\,4\,\,x]\,\,+\,b\,\,\texttt{Cosh}\,[\,4\,\,x]\,\,+\,b\,\,\texttt{Cosh}\,[\,4\,\,x]\,\,+\,b\,\,\texttt{Cosh}\,[\,4\,\,x]\,\,+\,b\,\,\texttt{Cosh}\,[\,4\,\,x]\,\,+\,b\,\,\texttt{Cosh}\,[\,4\,\,x]\,\,+\,b\,\,\texttt{Cosh}\,[\,4\,\,x]\,\,+\,b\,\,\texttt{Cosh}\,[\,4\,\,x]\,\,+\,b\,\,\texttt{Cosh}\,[\,4\,\,x]\,\,+\,b\,\,\texttt{Cosh}\,[\,4\,\,x]\,\,+\,b\,\,\texttt{Cosh}\,[\,4\,\,x]\,\,+\,b\,\,\texttt{Cosh}\,[\,4\,\,x]\,\,+\,b\,\,\texttt{Cosh}\,[\,4\,\,x]\,\,+\,b\,\,\texttt{Cosh}\,[\,4\,\,x]\,\,+\,b\,\,\texttt{Cosh}\,[\,4\,\,x]\,\,+\,b\,\,\texttt{Cosh}\,[\,4\,\,x]\,\,+\,b\,\,\texttt{Cosh}\,[\,4\,\,x]\,\,+\,b\,\,\texttt{Cosh}\,[\,4\,\,x]\,\,+\,b\,\,\texttt{Cosh}\,[\,4\,\,x]\,\,+\,b\,\,\texttt{Cosh}\,[\,4\,\,x]\,\,+\,b\,\,\texttt{Cosh}\,[\,4\,\,x]\,\,+\,b\,\,\texttt{Cosh}\,[\,4\,\,x]\,\,+\,b\,\,\texttt{Cosh}\,[\,4\,\,x]\,\,+\,b\,\,\texttt{Cosh}\,[\,4\,\,x]\,\,+\,b\,\,\texttt{Cosh}\,[\,4\,\,x]\,\,+\,b\,\,\texttt{Cosh}\,[\,4\,\,x]\,\,+\,b\,\,\texttt{Cosh}\,[\,4\,\,x]\,\,+\,b\,\,\texttt{Cosh}\,[\,4\,\,x]\,\,+\,b\,\,\texttt{Cosh}\,[\,4\,\,x]\,\,+\,b\,\,\texttt{Cosh}\,[\,4\,\,x]\,\,+\,b\,\,\texttt{Cosh}\,[\,4\,\,x]\,\,+\,b\,\,\texttt{Cosh}\,[\,4\,\,x]\,\,+\,b\,\,\texttt{Cosh}\,[\,4\,\,x]\,\,+\,b\,\,\texttt{Cosh}\,[\,4\,\,x]\,\,+\,b\,\,\texttt{Cosh}\,[\,4\,\,x]\,\,+\,b\,\,\texttt{Cosh}\,[\,4\,\,x]\,\,+\,b\,\,\texttt{Cosh}\,[\,4\,\,x]\,\,+\,b\,\,\texttt{Cosh}\,[\,4\,\,x]\,\,+\,b\,\,\texttt{Cosh}\,[\,4\,\,x]\,\,+\,b\,\,\texttt{Cosh}\,[\,4\,\,x]\,\,+\,b\,\,\texttt{Cosh}\,[\,4\,\,x]\,\,+\,b\,\,\texttt{Cosh}\,[\,4\,\,x]\,\,+\,b\,\,\texttt{Cosh}\,[\,4\,\,x]\,\,+\,b\,\,\texttt{Cosh}\,[\,4\,\,x]\,\,+\,b\,\,\texttt{Cosh}\,[\,4\,\,x]\,\,+\,b\,\,\texttt{Cosh}\,[\,4\,\,x]\,\,+\,b\,\,\texttt{Cosh}\,[\,4\,\,x]\,\,+\,b\,\,\texttt{Cosh}\,[\,4\,\,x]\,\,+\,b\,\,\texttt{Cosh}\,[\,4\,\,x]\,\,+\,b\,\,\texttt{Cosh}\,[\,4\,\,x]\,\,+\,b\,\,\texttt{Cosh}\,[\,4\,\,x]\,\,+\,b\,\,\texttt{Cosh}\,[\,4\,\,x]\,\,+\,b\,\,\texttt{Cosh}\,[\,4\,\,x]\,\,+\,b\,\,\texttt{Cosh}\,[\,4\,\,x]\,\,+\,b\,\,\texttt{Cosh}\,[\,4\,\,x]\,\,+\,b\,\,\texttt{Cosh}\,[\,4\,\,x]\,\,+\,b\,\,\texttt{Cosh}\,[\,4\,\,x]\,\,+\,b\,\,\texttt{Cosh}\,[\,4\,\,x]\,\,+\,b\,\,\texttt{Cosh}\,[\,4\,\,x]\,\,+\,b\,\,\texttt{Cosh}\,[\,4\,\,x]\,\,+\,b\,\,\texttt{Cosh}\,[\,4\,\,x]\,\,+\,b\,\,\texttt{Cosh}\,[\,4\,\,x]\,\,+\,b\,\,\texttt{
                                                                                                                                                                                                                                        c \, Cosh[4 \, x]) + c \, (3 \, a - b + 3 \, c - 4 \, a \, Cosh[2 \, x] + 4 \, c \, Cosh[2 \, x] + a \, Cosh[4 \, x] + b \, Cosh[4 \, x] + c \, Cosh[4 \, x]))
                       \sqrt{(3 a - b + 3 c - 4 (a - c) Cosh[2 x] + (a + b + c) Cosh[4 x]) Csch[x]^4} + c Cosh[2 x]
                         (3 a - b + 3 c - 4 (a - c) Cosh[2x] + (a + b + c) Cosh[4x])
                                2 \text{ a} \sqrt{3 \text{ a} - \text{b} + 3 \text{ c} - 4 \text{ a} \cosh[2 \text{ x}] + 4 \text{ c} \cosh[2 \text{ x}] + a \cosh[4 \text{ x}] + b \cosh[4 \text{ x}] + c \cosh[4 \text{ x}]}
                                                    2 b \sqrt{3} a - b + 3 c - 4 a Cosh[2 x] + 4 c Cosh[2 x] + a Cosh[4 x] + b Cosh[4 x] + c Cosh[4 x] + c Cosh[4 x]
                                                    2 c \sqrt{3} a - b + 3 c - 4 a \cosh[2x] + 4 c \cosh[2x] + a \cosh[4x] + b \cosh[4x] + c \cosh[4x]
                    \sqrt{\left(\frac{1}{a+b+c}\left(-2\,b-4\,c+\sqrt{2}\,\sqrt{\left(2\,b^2-8\,a\,c+a\,\left(3\,a-b+3\,c-4\,a\,Cosh\left[2\,x\right]+4\,c\,Cosh\left[2\,x\right]+a\,Cosh\left[4\,x\right]+b\,Cosh\left[4\,x\right]+b\,Cosh\left[4\,x\right]+b\,Cosh\left[4\,x\right]+b\,Cosh\left[4\,x\right]+b\,Cosh\left[4\,x\right]+b\,Cosh\left[4\,x\right]+b\,Cosh\left[4\,x\right]+b\,Cosh\left[4\,x\right]+b\,Cosh\left[4\,x\right]+b\,Cosh\left[4\,x\right]+b\,Cosh\left[4\,x\right]+b\,Cosh\left[4\,x\right]+b\,Cosh\left[4\,x\right]+b\,Cosh\left[4\,x\right]+b\,Cosh\left[4\,x\right]+b\,Cosh\left[4\,x\right]+b\,Cosh\left[4\,x\right]+b\,Cosh\left[4\,x\right]+b\,Cosh\left[4\,x\right]+b\,Cosh\left[4\,x\right]+b\,Cosh\left[4\,x\right]+b\,Cosh\left[4\,x\right]+b\,Cosh\left[4\,x\right]+b\,Cosh\left[4\,x\right]+b\,Cosh\left[4\,x\right]+b\,Cosh\left[4\,x\right]+b\,Cosh\left[4\,x\right]+b\,Cosh\left[4\,x\right]+b\,Cosh\left[4\,x\right]+b\,Cosh\left[4\,x\right]+b\,Cosh\left[4\,x\right]+b\,Cosh\left[4\,x\right]+b\,Cosh\left[4\,x\right]+b\,Cosh\left[4\,x\right]+b\,Cosh\left[4\,x\right]+b\,Cosh\left[4\,x\right]+b\,Cosh\left[4\,x\right]+b\,Cosh\left[4\,x\right]+b\,Cosh\left[4\,x\right]+b\,Cosh\left[4\,x\right]+b\,Cosh\left[4\,x\right]+b\,Cosh\left[4\,x\right]+b\,Cosh\left[4\,x\right]+b\,Cosh\left[4\,x\right]+b\,Cosh\left[4\,x\right]+b\,Cosh\left[4\,x\right]+b\,Cosh\left[4\,x\right]+b\,Cosh\left[4\,x\right]+b\,Cosh\left[4\,x\right]+b\,Cosh\left[4\,x\right]+b\,Cosh\left[4\,x\right]+b\,Cosh\left[4\,x\right]+b\,Cosh\left[4\,x\right]+b\,Cosh\left[4\,x\right]+b\,Cosh\left[4\,x\right]+b\,Cosh\left[4\,x\right]+b\,Cosh\left[4\,x\right]+b\,Cosh\left[4\,x\right]+b\,Cosh\left[4\,x\right]+b\,Cosh\left[4\,x\right]+b\,Cosh\left[4\,x\right]+b\,Cosh\left[4\,x\right]+b\,Cosh\left[4\,x\right]+b\,Cosh\left[4\,x\right]+b\,Cosh\left[4\,x\right]+b\,Cosh\left[4\,x\right]+b\,Cosh\left[4\,x\right]+b\,Cosh\left[4\,x\right]+b\,Cosh\left[4\,x\right]+b\,Cosh\left[4\,x\right]+b\,Cosh\left[4\,x\right]+b\,Cosh\left[4\,x\right]+b\,Cosh\left[4\,x\right]+b\,Cosh\left[4\,x\right]+b\,Cosh\left[4\,x\right]+b\,Cosh\left[4\,x\right]+b\,Cosh\left[4\,x\right]+b\,Cosh\left[4\,x\right]+b\,Cosh\left[4\,x\right]+b\,Cosh\left[4\,x\right]+b\,Cosh\left[4\,x\right]+b\,Cosh\left[4\,x\right]+b\,Cosh\left[4\,x\right]+b\,Cosh\left[4\,x\right]+b\,Cosh\left[4\,x\right]+b\,Cosh\left[4\,x\right]+b\,Cosh\left[4\,x\right]+b\,Cosh\left[4\,x\right]+b\,Cosh\left[4\,x\right]+b\,Cosh\left[4\,x\right]+b\,Cosh\left[4\,x\right]+b\,Cosh\left[4\,x\right]+b\,Cosh\left[4\,x\right]+b\,Cosh\left[4\,x\right]+b\,Cosh\left[4\,x\right]+b\,Cosh\left[4\,x\right]+b\,Cosh\left[4\,x\right]+b\,Cosh\left[4\,x\right]+b\,Cosh\left[4\,x\right]+b\,Cosh\left[4\,x\right]+b\,Cosh\left[4\,x\right]+b\,Cosh\left[4\,x\right]+b\,Cosh\left[4\,x\right]+b\,Cosh\left[4\,x\right]+b\,Cosh\left[4\,x\right]+b\,Cosh\left[4\,x\right]+b\,Cosh\left[4\,x\right]+b\,Cosh\left[4\,x\right]+b\,Cosh\left[4\,x\right]+b\,Cosh\left[4\,x\right]+b\,Cosh\left[4\,x\right]+b\,Cosh\left[4\,x\right]+b\,Cosh\left[4\,x\right]+b\,Cosh\left[4\,x\right]+b\,Cosh\left[4\,x\right]+b\,Cosh\left[4\,x\right]+b\,Cosh\left[4\,x\right]+b\,Cosh\left[4\,x\right]+b\,Cosh\left[4\,x\right]+b\,Cosh\left[4\,x\right]+b\,Cosh\left[4\,x\right]+b\,Cosh\left[4\,x\right]+b\,Cosh\left[4\,x\right]+b\,Cosh\left[4\,x\right]+b\,Cosh\left[4\,x\right]+b\,Cosh\left[4\,x\right]+b\,Cosh\left[4\,x\right]+b\,Cosh\left[4\,x\right]+b\,Cosh\left[4\,x\right]+b\,Cosh\left[4\,x\right]+b\,Cosh\left[4\,x\right]+b\,Cosh\left[4\,x\right]+b\,Cosh\left[4\,x\right]+b\,Cosh\left[4\,x\right]+b\,Cosh\left[4\,x\right]+b\,Cosh\left[4\,x\right]+b\,Cosh\left[4\,x\right]+b\,Cosh\left[4\,x\right]+b\,Cos
                                                                                                                                                                                                                      \texttt{c} \; \texttt{Cosh} [\, 4 \; \mathbf{x} \,] \;) \; + \; \texttt{b} \; (\, 3 \; \texttt{a} \; - \; \texttt{b} \; + \; 3 \; \texttt{c} \; - \; 4 \; \texttt{a} \; \texttt{Cosh} [\, 2 \; \mathbf{x} \,] \; + \; 4 \; \texttt{c} \; \texttt{Cosh} [\, 2 \; \mathbf{x} \,] \; + \; \texttt{a} \; \texttt{Cosh} [\, 4 \; \mathbf{x} \,] \; + \; \texttt{b} \; \texttt{Cosh} [\, 4 \; \mathbf{x} \,] \; + \; \texttt{c} \; \texttt{Cosh} [\, 4 \; \mathbf{x} \,] \;) \; + \; \texttt{c} \; \texttt{cosh} [\, 4 \; \mathbf{x} \,] \; + \; \texttt{c} \; \texttt{cosh} [\, 4 \; \mathbf{x} \,] \; + \; \texttt{c} \; \texttt{cosh} [\, 4 \; \mathbf{x} \,] \; + \; \texttt{c} \; \texttt{cosh} [\, 4 \; \mathbf{x} \,] \; + \; \texttt{c} \; \texttt{cosh} [\, 4 \; \mathbf{x} \,] \; + \; \texttt{c} \; \texttt{cosh} [\, 4 \; \mathbf{x} \,] \; + \; \texttt{c} \; \texttt{cosh} [\, 4 \; \mathbf{x} \,] \; + \; \texttt{c} \; \texttt{cosh} [\, 4 \; \mathbf{x} \,] \; + \; \texttt{c} \; \texttt{cosh} [\, 4 \; \mathbf{x} \,] \; + \; \texttt{c} \; \texttt{cosh} [\, 4 \; \mathbf{x} \,] \; + \; \texttt{c} \; \texttt{cosh} [\, 4 \; \mathbf{x} \,] \; + \; \texttt{c} \; \texttt{cosh} [\, 4 \; \mathbf{x} \,] \; + \; \texttt{c} \; \texttt{cosh} [\, 4 \; \mathbf{x} \,] \; + \; \texttt{c} \; \texttt{cosh} [\, 4 \; \mathbf{x} \,] \; + \; \texttt{c} \; \texttt{cosh} [\, 4 \; \mathbf{x} \,] \; + \; \texttt{c} \; \texttt{cosh} [\, 4 \; \mathbf{x} \,] \; + \; \texttt{c} \; \texttt{cosh} [\, 4 \; \mathbf{x} \,] \; + \; \texttt{c} \; \texttt{cosh} [\, 4 \; \mathbf{x} \,] \; + \; \texttt{c} \; \texttt{cosh} [\, 4 \; \mathbf{x} \,] \; + \; \texttt{c} \; \texttt{cosh} [\, 4 \; \mathbf{x} \,] \; + \; \texttt{c} \; \texttt{cosh} [\, 4 \; \mathbf{x} \,] \; + \; \texttt{c} \; \texttt{cosh} [\, 4 \; \mathbf{x} \,] \; + \; \texttt{c} \; \texttt{cosh} [\, 4 \; \mathbf{x} \,] \; + \; \texttt{c} \; \texttt{cosh} [\, 4 \; \mathbf{x} \,] \; + \; \texttt{c} \; \texttt{cosh} [\, 4 \; \mathbf{x} \,] \; + \; \texttt{c} \; \texttt{cosh} [\, 4 \; \mathbf{x} \,] \; + \; \texttt{c} \; \texttt{cosh} [\, 4 \; \mathbf{x} \,] \; + \; \texttt{c} \; \texttt{cosh} [\, 4 \; \mathbf{x} \,] \; + \; \texttt{c} \; \texttt{cosh} [\, 4 \; \mathbf{x} \,] \; + \; \texttt{c} \; \texttt{cosh} [\, 4 \; \mathbf{x} \,] \; + \; \texttt{c} \; \texttt{cosh} [\, 4 \; \mathbf{x} \,] \; + \; \texttt{c} \; \texttt{cosh} [\, 4 \; \mathbf{x} \,] \; + \; \texttt{c} \; \texttt{cosh} [\, 4 \; \mathbf{x} \,] \; + \; \texttt{c} \; \texttt{cosh} [\, 4 \; \mathbf{x} \,] \; + \; \texttt{c} \; \texttt{cosh} [\, 4 \; \mathbf{x} \,] \; + \; \texttt{c} \; \texttt{cosh} [\, 4 \; \mathbf{x} \,] \; + \; \texttt{c} \; \texttt{cosh} [\, 4 \; \mathbf{x} \,] \; + \; \texttt{c} \; \texttt{cosh} [\, 4 \; \mathbf{x} \,] \; + \; \texttt{c} \; \texttt{cosh} [\, 4 \; \mathbf{x} \,] \; + \; \texttt{c} \; \texttt{cosh} [\, 4 \; \mathbf{x} \,] \; + \; \texttt{c} \; \texttt{cosh} [\, 4 \; \mathbf{x} \,] \; + \; \texttt{c} \; \texttt{cosh} [\, 4 \; \mathbf{x} \,] \; + \; \texttt{c} \; \texttt{cosh} [\, 4 \; \mathbf{x} \,] \; + \; \texttt{c} \; \texttt{cosh} [\, 4 \; \mathbf{x} \,] \; + \; \texttt{c} \; \texttt{cosh} [\, 4 \; \mathbf{x} \,] \; + \; \texttt{c} \; \texttt{cosh} [\, 4 \; \mathbf{x} \,] \; + \; \texttt{c} \; \texttt{cosh} [\, 4 \; \mathbf{x} \,] \; + \; \texttt{c} \; \texttt{cosh} [\, 4 \; \mathbf{x} \,] \; + \; \texttt{c} \; \texttt{cosh} [\, 4 \; \mathbf{x} \,] \; + \;
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 \texttt{c} \; \left( \; 3 \; \texttt{a} \; - \; \texttt{b} \; + \; 3 \; \texttt{c} \; - \; 4 \; \texttt{a} \; \texttt{Cosh}[\; 2 \; \texttt{x}] \; + \; 4 \; \texttt{c} \; \texttt{Cosh}[\; 2 \; \texttt{x}] \; + \; \texttt{a} \; \texttt{Cosh}[\; 4 \; \texttt{x}] \; + \; \texttt{b} \; \texttt{Cosh}[\; 4 \; \texttt{x}] \; + \; \texttt{c} \; \texttt{Cosh}[\; 4 \; \texttt{x}] \; \right) \; \right) \; \\
                Csch[x]^2
                                                \frac{1}{2\sqrt{c}} \operatorname{ArcTanh} \left[ \left( (b+2c) \sqrt{3 a - b + 3 c - 4 a \cosh[2x] + 4 c \cosh[2x] + a \cosh[4x] + b \cosh[4x] + b \cosh[4x] + c \cosh[4x
                                                                                              2\sqrt{c}\sqrt{(2b^2-8ac+a(3a-b+3c-4aCosh[2x]+4cCosh[2x]+aCosh[4x]+bCosh[4x]+cCosh[4x])} + aCosh[4x] + bCosh[4x] + bCosh
                                                                                                                                                                       \texttt{b} \; (3 \; \texttt{a} \; - \; \texttt{b} \; + \; 3 \; \texttt{c} \; - \; 4 \; \texttt{a} \; \texttt{Cosh}[\; 2 \; \texttt{x}\;] \; + \; 4 \; \texttt{c} \; \texttt{Cosh}[\; 2 \; \texttt{x}\;] \; + \; \texttt{a} \; \texttt{Cosh}[\; 4 \; \texttt{x}\;] \; + \; \texttt{b} \; \texttt{Cosh}[\; 4 \; \texttt{x}\;] \; + \; \texttt{c} \; \texttt{Cosh}[\; 4 \; \texttt{x}\;] \; ) \; + \; \texttt{c} \; \texttt{cosh}[\; 4 \; \texttt{x}\;] \; + \; \texttt{c} \; \texttt{cosh}[\; 4 \; \texttt{x}\;] \; + \; \texttt{c} \; \texttt{cosh}[\; 4 \; \texttt{x}\;] \; ) \; + \; \texttt{cosh}[\; 4 \; \texttt{x}\;] \; + \; \texttt{cos
                                                                                                                                                                      c(3a-b+3c-4aCosh[2x]+4cCosh[2x]+aCosh[4x]+bCosh[4x]+cCosh[4x])))
                                                \frac{2}{\sqrt{a+b+c}} \, \, Log \Big[ \, 2 \, \Big( a \, \sqrt{\, 3 \, a \, - \, b \, + \, 3 \, c \, - \, 4 \, a \, Cosh[\, 2 \, x] \, + \, 4 \, c \, Cosh[\, 2 \, x] \, + \, a \, Cosh[\, 4 \, x] \, + \, b \, Cosh[\, 4 \, x] \, + \, c \, Cosh[\, 4 \, x] \, + \, c \, Cosh[\, 4 \, x] \, + \, c \, Cosh[\, 4 \, x] \, + \, c \, Cosh[\, 4 \, x] \, + \, c \, Cosh[\, 4 \, x] \, + \, c \, Cosh[\, 4 \, x] \, + \, c \, Cosh[\, 4 \, x] \, + \, c \, Cosh[\, 4 \, x] \, + \, c \, Cosh[\, 4 \, x] \, + \, c \, Cosh[\, 4 \, x] \, + \, c \, Cosh[\, 4 \, x] \, + \, c \, Cosh[\, 4 \, x] \, + \, c \, Cosh[\, 4 \, x] \, + \, c \, Cosh[\, 4 \, x] \, + \, c \, Cosh[\, 4 \, x] \, + \, c \, Cosh[\, 4 \, x] \, + \, c \, Cosh[\, 4 \, x] \, + \, c \, Cosh[\, 4 \, x] \, + \, c \, Cosh[\, 4 \, x] \, + \, c \, Cosh[\, 4 \, x] \, + \, c \, Cosh[\, 4 \, x] \, + \, c \, Cosh[\, 4 \, x] \, + \, c \, Cosh[\, 4 \, x] \, + \, c \, Cosh[\, 4 \, x] \, + \, c \, Cosh[\, 4 \, x] \, + \, c \, Cosh[\, 4 \, x] \, + \, c \, Cosh[\, 4 \, x] \, + \, c \, Cosh[\, 4 \, x] \, + \, c \, Cosh[\, 4 \, x] \, + \, c \, Cosh[\, 4 \, x] \, + \, c \, Cosh[\, 4 \, x] \, + \, c \, Cosh[\, 4 \, x] \, + \, c \, Cosh[\, 4 \, x] \, + \, c \, Cosh[\, 4 \, x] \, + \, c \, Cosh[\, 4 \, x] \, + \, c \, Cosh[\, 4 \, x] \, + \, c \, Cosh[\, 4 \, x] \, + \, c \, Cosh[\, 4 \, x] \, + \, c \, Cosh[\, 4 \, x] \, + \, c \, Cosh[\, 4 \, x] \, + \, c \, Cosh[\, 4 \, x] \, + \, c \, Cosh[\, 4 \, x] \, + \, c \, Cosh[\, 4 \, x] \, + \, c \, Cosh[\, 4 \, x] \, + \, c \, Cosh[\, 4 \, x] \, + \, c \, Cosh[\, 4 \, x] \, + \, c \, Cosh[\, 4 \, x] \, + \, c \, Cosh[\, 4 \, x] \, + \, c \, Cosh[\, 4 \, x] \, + \, c \, Cosh[\, 4 \, x] \, + \, c \, Cosh[\, 4 \, x] \, + \, c \, Cosh[\, 4 \, x] \, + \, c \, Cosh[\, 4 \, x] \, + \, c \, Cosh[\, 4 \, x] \, + \, c \, Cosh[\, 4 \, x] \, + \, c \, Cosh[\, 4 \, x] \, + \, c \, Cosh[\, 4 \, x] \, + \, c \, Cosh[\, 4 \, x] \, + \, c \, Cosh[\, 4 \, x] \, + \, c \, Cosh[\, 4 \, x] \, + \, c \, Cosh[\, 4 \, x] \, + \, c \, Cosh[\, 4 \, x] \, + \, c \, Cosh[\, 4 \, x] \, + \, c \, Cosh[\, 4 \, x] \, + \, c \, Cosh[\, 4 \, x] \, + \, c \, Cosh[\, 4 \, x] \, + \, c \, Cosh[\, 4 \, x] \, + \, c \, Cosh[\, 4 \, x] \, + \, c \, Cosh[\, 4 \, x] \, + \, c \, Cosh[\, 4 \, x] \, + \, c \, Cosh[\, 4 \, x] \, + \, c \, Cosh[\, 4 \, x] \, + \, c \, Cosh[\, 4 \, x] \, + \, c \, Cosh[\, 4 \, x] \, + \, c \, Cosh[\, 4 \, x] \, + \, c \, Cosh[\, 4 \, x] \, + \, c \, Cosh[\, 4 \, x] \, + \, c \, Cosh[\, 4 \, x]
                                                                                                                       b\sqrt{3}a - b + 3c - 4a Cosh[2x] + 4c Cosh[2x] + a Cosh[4x] + b Cosh[4x] + c Cosh[4x] + c Cosh[4x]
                                                                                                                         c\sqrt{3} a - b + 3 c - 4 a Cosh[2x] + 4 c Cosh[2x] + a Cosh[4x] + b Cosh[4x] + c Cosh[4x] + \sqrt{a + b + c}
                                                                                                                                        \sqrt{(2b^2 - 8ac + a(3a - b + 3c - 4aCosh[2x] + 4cCosh[2x] + aCosh[4x] + bCosh[4x] + cCosh[4x])} + cCosh[4x] + cCos
                                                                                                                                                                                  b\ (3\ a-b+3\ c-4\ a\ Cosh[2\ x]\ +\ 4\ c\ Cosh[2\ x]\ +\ a\ Cosh[4\ x]\ +\ b\ Cosh[4\ x]\ +\ c\ Cosh[4\ x]\ )\ 
                                                                                                                                                                                  c (3 a - b + 3 c - 4 a Cosh[2 x] + 4 c Cosh[2 x] + a Cosh[4 x] + b Cosh[4 x] + c Cosh[4 x]))
                                                                                                                                                                                                                                                                b \operatorname{Csch}[x]^2 \operatorname{Sinh}[2x]
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         c \operatorname{Csch}[x]^2 \operatorname{Sinh}[2x]
                                              \sqrt{3 a - b + 3 c - 4 (a - c) \cosh[2 x] + (a + b + c) \cosh[4 x]}
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       \sqrt{3 a - b + 3 c - 4 (a - c) \cosh[2 x] + (a + b + c) \cosh[4 x]}
                                                                                                                                                                                                     c Cosh[2x] Csch[x]^2 Sinh[2x]
                                                    \sqrt{3 a - b + 3 c - 4 (a - c) \cosh[2 x] + (a + b + c) \cosh[4 x]}
                       (-4 \text{ a Sinh}[2 \text{ x}] + 4 \text{ c Sinh}[2 \text{ x}] + 2 \text{ a Sinh}[4 \text{ x}] + 2 \text{ b Sinh}[4 \text{ x}] + 2 \text{ c Sinh}[4 \text{ x}])
                       (-8 \text{ a Sinh}[2x] + 8 \text{ c Sinh}[2x] + 4 \text{ a Sinh}[4x] + 4 \text{ b Sinh}[4x] + 4 \text{ c Sinh}[4x])
32 \; (b-c-c \; Cosh[2 \; x]) \; (3 \; a-b+3 \; c-4 \; a \; Cosh[2 \; x] \; + \; 4 \; c \; Cosh[2 \; x] \; + \; a \; Cosh[4 \; x] \; + \; b \; Cosh[4 \; x] \; + \; c \; Cosh[4 \; x]) ^{3/2}
                  \sqrt{(2b^2 - 8ac + a(3a - b + 3c - 4aCosh[2x] + 4cCosh[2x] + aCosh[4x] + bCosh[4x] + cCosh[4x])} + cCosh[4x] + cCos
                                                          b\ (3\ a\ -\ b\ +\ 3\ c\ -\ 4\ a\ Cosh[\ 2\ x]\ +\ 4\ c\ Cosh[\ 2\ x]\ +\ a\ Cosh[\ 4\ x]\ +\ b\ Cosh[\ 4\ x]\ +\ c\ Cosh[\ 4\ x]\ )\ +\ c\ c\ Cosh[\ 4\ x]\ )\ +\ c\ Cosh[\ 4\ x]\ )\ +\ c\ c\ Cosh[\ 4\ x]\ )\ +\ c\ c\ c\ c\ c\ 
                                                           \texttt{c} \; \left( \; 3 \; \texttt{a} \; - \; \texttt{b} \; + \; 3 \; \texttt{c} \; - \; 4 \; \texttt{a} \; \texttt{Cosh}[\; 2 \; \texttt{x}] \; + \; 4 \; \texttt{c} \; \texttt{Cosh}[\; 2 \; \texttt{x}] \; + \; \texttt{a} \; \texttt{Cosh}[\; 4 \; \texttt{x}] \; + \; \texttt{b} \; \texttt{Cosh}[\; 4 \; \texttt{x}] \; + \; \texttt{c} \; \texttt{Cosh}[\; 4 \; \texttt{x}] \; \right) \; \right) \; \\
                                                                               \frac{1}{a^{2} + b^{2} + c^{2}} \left( 4 a + 2 b + \sqrt{2} \sqrt{2 b^{2} - 8 a c + a (3 a - b + 3 c - 4 a Cosh[2 x] + 4 c Cosh[2 x] + a Cosh[4 x] + b Cosh[
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\texttt{c} \; \texttt{Cosh[4\,x])} \; + \; \texttt{b} \; (3 \; \texttt{a} \; - \; \texttt{b} \; + \; \texttt{3} \; \texttt{c} \; - \; \texttt{4} \; \texttt{a} \; \texttt{Cosh[2\,x]} \; + \; \texttt{4} \; \texttt{c} \; \texttt{Cosh[4\,x]} \; + \; \texttt{b} \; \texttt{Cosh[4\,x]} \; + \; \texttt{b} \; \texttt{Cosh[4\,x]} \; + \; \texttt{c} \; \texttt{Cosh[4\,x]} \; ) \; + \; \texttt{b} \; \texttt{cosh[4\,x]} \; + \; \texttt{c} \; \texttt{cosh[4\,x]} \; +
                                                                                                              c (3 a - b + 3 c - 4 a Cosh[2 x] + 4 c Cosh[2 x] + a Cosh[4 x] + b Cosh[4 x] + c Cosh[4 x]))
                      2a-2c+\sqrt{2}\sqrt{2b^2-8ac+a(3a-b+3c-4a\cosh[2x]+4c\cosh[2x]+a\cosh[4x]+b\cosh[4x]+b\cosh[4x]+c\cosh[4x])}
                                                                                \texttt{b} \; (3 \; \texttt{a} \; - \; \texttt{b} \; + \; 3 \; \texttt{c} \; - \; 4 \; \texttt{a} \; \texttt{Cosh}[\; 2 \; \texttt{x}] \; + \; 4 \; \texttt{c} \; \texttt{Cosh}[\; 2 \; \texttt{x}] \; + \; \texttt{a} \; \texttt{Cosh}[\; 4 \; \texttt{x}] \; + \; \texttt{b} \; \texttt{Cosh}[\; 4 \; \texttt{x}] \; + \; \texttt{c} \; \texttt{Cosh}[\; 4 \; \texttt{x}] \; ) \; + \; \texttt{c} \; \texttt{cosh}[\; 4 \; \texttt{x}] \; + \; \texttt{cosh}[\; 4 \; \texttt{
                                                                               c(3a-b+3c-4aCosh[2x]+4cCosh[2x]+aCosh[4x]+bCosh[4x]+cCosh[4x]))
                 b \, Cosh[\, 4 \, x] \, + c \, Cosh[\, 4 \, x]\,) \, + b \, (\, 3 \, a \, - \, b \, + \, 3 \, c \, - \, 4 \, a \, Cosh[\, 2 \, x] \, + \, 4 \, c \, Cosh[\, 2 \, x] \, + \, a \, Cosh[\, 4 \, x] \, + \, b \, Cosh[\, 4 \, x] \, + \, b \, Cosh[\, 4 \, x] \, + \, b \, Cosh[\, 4 \, x] \, + \, b \, Cosh[\, 4 \, x] \, + \, b \, Cosh[\, 4 \, x] \, + \, b \, Cosh[\, 4 \, x] \, + \, b \, Cosh[\, 4 \, x] \, + \, b \, Cosh[\, 4 \, x] \, + \, b \, Cosh[\, 4 \, x] \, + \, b \, Cosh[\, 4 \, x] \, + \, b \, Cosh[\, 4 \, x] \, + \, b \, Cosh[\, 4 \, x] \, + \, b \, Cosh[\, 4 \, x] \, + \, b \, Cosh[\, 4 \, x] \, + \, b \, Cosh[\, 4 \, x] \, + \, b \, Cosh[\, 4 \, x] \, + \, b \, Cosh[\, 4 \, x] \, + \, b \, Cosh[\, 4 \, x] \, + \, b \, Cosh[\, 4 \, x] \, + \, b \, Cosh[\, 4 \, x] \, + \, b \, Cosh[\, 4 \, x] \, + \, b \, Cosh[\, 4 \, x] \, + \, b \, Cosh[\, 4 \, x] \, + \, b \, Cosh[\, 4 \, x] \, + \, b \, Cosh[\, 4 \, x] \, + \, b \, Cosh[\, 4 \, x] \, + \, b \, Cosh[\, 4 \, x] \, + \, b \, Cosh[\, 4 \, x] \, + \, b \, Cosh[\, 4 \, x] \, + \, b \, Cosh[\, 4 \, x] \, + \, b \, Cosh[\, 4 \, x] \, + \, b \, Cosh[\, 4 \, x] \, + \, b \, Cosh[\, 4 \, x] \, + \, b \, Cosh[\, 4 \, x] \, + \, b \, Cosh[\, 4 \, x] \, + \, b \, Cosh[\, 4 \, x] \, + \, b \, Cosh[\, 4 \, x] \, + \, b \, Cosh[\, 4 \, x] \, + \, b \, Cosh[\, 4 \, x] \, + \, b \, Cosh[\, 4 \, x] \, + \, b \, Cosh[\, 4 \, x] \, + \, b \, Cosh[\, 4 \, x] \, + \, b \, Cosh[\, 4 \, x] \, + \, b \, Cosh[\, 4 \, x] \, + \, b \, Cosh[\, 4 \, x] \, + \, b \, Cosh[\, 4 \, x] \, + \, b \, Cosh[\, 4 \, x] \, + \, b \, Cosh[\, 4 \, x] \, + \, b \, Cosh[\, 4 \, x] \, + \, b \, Cosh[\, 4 \, x] \, + \, b \, Cosh[\, 4 \, x] \, + \, b \, Cosh[\, 4 \, x] \, + \, b \, Cosh[\, 4 \, x] \, + \, b \, Cosh[\, 4 \, x] \, + \, b \, Cosh[\, 4 \, x] \, + \, b \, Cosh[\, 4 \, x] \, + \, b \, Cosh[\, 4 \, x] \, + \, b \, Cosh[\, 4 \, x] \, + \, b \, Cosh[\, 4 \, x] \, + \, b \, Cosh[\, 4 \, x] \, + \, b \, Cosh[\, 4 \, x] \, + \, b \, Cosh[\, 4 \, x] \, + \, b \, Cosh[\, 4 \, x] \, + \, b \, Cosh[\, 4 \, x] \, + \, b \, Cosh[\, 4 \, x] \, + \, b \, Cosh[\, 4 \, x] \, + \, b \, Cosh[\, 4 \, x] \, + \, b \, Cosh[\, 4 \, x] \, + \, b \, Cosh[\, 4 \, x] \, + \, b \, Cosh[\, 4 \, x] \, + \, b \, Cosh[\, 4 \, x] \, + \, b \, Cosh[\, 4 \, x] \, + \, b \, Cosh[\, 4 \, x] \, + \, b \, Cosh[\, 4 \, x] \, + \, b \, Cosh[\, 4 \, x] \, + \, b \, Cosh[\, 4 \, x] \, + \, b \, Cosh[\, 4 \, x] \, + \, b \, Cosh[\, 4 \, x] \, + \, b \, Cos
                                                                                                                                                        c \cosh[4x] + c (3a - b + 3c - 4a \cosh[2x] + 4c \cosh[2x] + a \cosh[4x] + b \cosh[4x] + c \cosh[4x])
                 b \, Cosh[\, 4 \, x] \, + c \, Cosh[\, 4 \, x]\,) \, + b \, (3 \, a - b + 3 \, c - 4 \, a \, Cosh[\, 2 \, x] \, + \, 4 \, c \, Cosh[\, 2 \, x] \, + \, a \, Cosh[\, 4 \, x] \, + \, b \, Cosh[\, 4 \, x] \, + \, b \, Cosh[\, 4 \, x] \, + \, b \, Cosh[\, 4 \, x] \, + \, b \, Cosh[\, 4 \, x] \, + \, b \, Cosh[\, 4 \, x] \, + \, b \, Cosh[\, 4 \, x] \, + \, b \, Cosh[\, 4 \, x] \, + \, b \, Cosh[\, 4 \, x] \, + \, b \, Cosh[\, 4 \, x] \, + \, b \, Cosh[\, 4 \, x] \, + \, b \, Cosh[\, 4 \, x] \, + \, b \, Cosh[\, 4 \, x] \, + \, b \, Cosh[\, 4 \, x] \, + \, b \, Cosh[\, 4 \, x] \, + \, b \, Cosh[\, 4 \, x] \, + \, b \, Cosh[\, 4 \, x] \, + \, b \, Cosh[\, 4 \, x] \, + \, b \, Cosh[\, 4 \, x] \, + \, b \, Cosh[\, 4 \, x] \, + \, b \, Cosh[\, 4 \, x] \, + \, b \, Cosh[\, 4 \, x] \, + \, b \, Cosh[\, 4 \, x] \, + \, b \, Cosh[\, 4 \, x] \, + \, b \, Cosh[\, 4 \, x] \, + \, b \, Cosh[\, 4 \, x] \, + \, b \, Cosh[\, 4 \, x] \, + \, b \, Cosh[\, 4 \, x] \, + \, b \, Cosh[\, 4 \, x] \, + \, b \, Cosh[\, 4 \, x] \, + \, b \, Cosh[\, 4 \, x] \, + \, b \, Cosh[\, 4 \, x] \, + \, b \, Cosh[\, 4 \, x] \, + \, b \, Cosh[\, 4 \, x] \, + \, b \, Cosh[\, 4 \, x] \, + \, b \, Cosh[\, 4 \, x] \, + \, b \, Cosh[\, 4 \, x] \, + \, b \, Cosh[\, 4 \, x] \, + \, b \, Cosh[\, 4 \, x] \, + \, b \, Cosh[\, 4 \, x] \, + \, b \, Cosh[\, 4 \, x] \, + \, b \, Cosh[\, 4 \, x] \, + \, b \, Cosh[\, 4 \, x] \, + \, b \, Cosh[\, 4 \, x] \, + \, b \, Cosh[\, 4 \, x] \, + \, b \, Cosh[\, 4 \, x] \, + \, b \, Cosh[\, 4 \, x] \, + \, b \, Cosh[\, 4 \, x] \, + \, b \, Cosh[\, 4 \, x] \, + \, b \, Cosh[\, 4 \, x] \, + \, b \, Cosh[\, 4 \, x] \, + \, b \, Cosh[\, 4 \, x] \, + \, b \, Cosh[\, 4 \, x] \, + \, b \, Cosh[\, 4 \, x] \, + \, b \, Cosh[\, 4 \, x] \, + \, b \, Cosh[\, 4 \, x] \, + \, b \, Cosh[\, 4 \, x] \, + \, b \, Cosh[\, 4 \, x] \, + \, b \, Cosh[\, 4 \, x] \, + \, b \, Cosh[\, 4 \, x] \, + \, b \, Cosh[\, 4 \, x] \, + \, b \, Cosh[\, 4 \, x] \, + \, b \, Cosh[\, 4 \, x] \, + \, b \, Cosh[\, 4 \, x] \, + \, b \, Cosh[\, 4 \, x] \, + \, b \, Cosh[\, 4 \, x] \, + \, b \, Cosh[\, 4 \, x] \, + \, b \, Cosh[\, 4 \, x] \, + \, b \, Cosh[\, 4 \, x] \, + \, b \, Cosh[\, 4 \, x] \, + \, b \, Cosh[\, 4 \, x] \, + \, b \, Cosh[\, 4 \, x] \, + \, b \, Cosh[\, 4 \, x] \, + \, b \, Cosh[\, 4 \, x] \, + \, b \, Cosh[\, 4 \, x] \, + \, b \, Cosh[\, 4 \, x] \, + \, b \, Cosh[\, 4 \, x] \, + \, b \, Cosh[\, 4 \, x] \, + \, b \, Cosh[\, 4 \, x] \, + \, b \, Cosh[\, 4 \, x] \, +
                                                                                                                                                        c Cosh[4x]) + c (3a - b + 3c - 4a Cosh[2x] + 4c Cosh[2x] + a Cosh[4x] + b Cosh[4x] + c Cosh[4x]))
                   \sqrt{(3 \, a - b + 3 \, c - 4 \, (a - c) \, Cosh[2 \, x] + (a + b + c) \, Cosh[4 \, x]) \, Csch[x]^{4}} + \left( (b - c) \, (1 + Cosh[2 \, x]) + (a + b + c) \, Cosh[4 \, x] + (a + b + c) \, Cosh[4 \, x] + (a + b + c) \, Cosh[4 \, x] + (a + b + c) \, Cosh[4 \, x] + (a + b + c) \, Cosh[4 \, x] + (a + b + c) \, Cosh[4 \, x] + (a + b + c) \, Cosh[4 \, x] + (a + b + c) \, Cosh[4 \, x] + (a + b + c) \, Cosh[4 \, x] + (a + b + c) \, Cosh[4 \, x] + (a + b + c) \, Cosh[4 \, x] + (a + b + c) \, Cosh[4 \, x] + (a + b + c) \, Cosh[4 \, x] + (a + b + c) \, Cosh[4 \, x] + (a + b + c) \, Cosh[4 \, x] + (a + b + c) \, Cosh[4 \, x] + (a + b + c) \, Cosh[4 \, x] + (a + b + c) \, Cosh[4 \, x] + (a + b + c) \, Cosh[4 \, x] + (a + b + c) \, Cosh[4 \, x] + (a + b + c) \, Cosh[4 \, x] + (a + b + c) \, Cosh[4 \, x] + (a + b + c) \, Cosh[4 \, x] + (a + b + c) \, Cosh[4 \, x] + (a + b + c) \, Cosh[4 \, x] + (a + b + c) \, Cosh[4 \, x] + (a + b + c) \, Cosh[4 \, x] + (a + b + c) \, Cosh[4 \, x] + (a + b + c) \, Cosh[4 \, x] + (a + b + c) \, Cosh[4 \, x] + (a + b + c) \, Cosh[4 \, x] + (a + b + c) \, Cosh[4 \, x] + (a + b + c) \, Cosh[4 \, x] + (a + b + c) \, Cosh[4 \, x] + (a + b + c) \, Cosh[4 \, x] + (a + b + c) \, Cosh[4 \, x] + (a + b + c) \, Cosh[4 \, x] + (a + b + c) \, Cosh[4 \, x] + (a + b + c) \, Cosh[4 \, x] + (a + b + c) \, Cosh[4 \, x] + (a + b + c) \, Cosh[4 \, x] + (a + b + c) \, Cosh[4 \, x] + (a + b + c) \, Cosh[4 \, x] + (a + b + c) \, Cosh[4 \, x] + (a + b + c) \, Cosh[4 \, x] + (a + b + c) \, Cosh[4 \, x] + (a + b + c) \, Cosh[4 \, x] + (a + b + c) \, Cosh[4 \, x] + (a + b + c) \, Cosh[4 \, x] + (a + b + c) \, Cosh[4 \, x] + (a + b + c) \, Cosh[4 \, x] + (a + b + c) \, Cosh[4 \, x] + (a + b + c) \, Cosh[4 \, x] + (a + b + c) \, Cosh[4 \, x] + (a + b + c) \, Cosh[4 \, x] + (a + b + c) \, Cosh[4 \, x] + (a + b + c) \, Cosh[4 \, x] + (a + b + c) \, Cosh[4 \, x] + (a + b + c) \, Cosh[4 \, x] + (a + b + c) \, Cosh[4 \, x] + (a + b + c) \, Cosh[4 \, x] + (a + b + c) \, Cosh[4 \, x] + (a + b + c) \, Cosh[4 \, x] + (a + b + c) \, Cosh[4 \, x] + (a + b + c) \, Cosh[4 \, x] + (a + b + c) \, Cosh[4 \, x] + (a + b + c) \, Cosh[4 \, x] + (a + b + c) \, Cosh[4 \, x] + (a + b + c) 
                                         3 a - b + 3 c + (-4 a + 4 c) Cosh[2x] + (a + b + c) Cosh[4x]
                                                                                                                                                                                          (1 + Cosh[2x])^2
                   Csch[x]
                      \left[ Log \left[ \sqrt{c} Tanh[x]^2 \right] - Log \left[ 2c + b Tanh[x]^2 + 2\sqrt{c} \sqrt{c + Tanh[x]^2 (b + a Tanh[x]^2)} \right] \right]
                   Sech[x]
                                                                                                                                                                                       b \operatorname{Csch}[x]^2 \operatorname{Sinh}[2x]
                                      \sqrt{3 a - b + 3 c - 4 (a - c) Cosh[2 x] + (a + b + c) Cosh[4 x]}
                                                                                                                                                                                          c Csch[x]^2 Sinh[2x]
                                          \sqrt{3 a - b + 3 c - 4 (a - c) Cosh[2x] + (a + b + c) Cosh[4x]}
                                                                                                                                                  c Cosh[2x] Csch[x]^2 Sinh[2x]
                                          \sqrt{3 a - b + 3 c - 4 (a - c) \cosh[2 x] + (a + b + c) \cosh[4 x]}
                   (-8 (a-c) Sinh[2x] + 4 (a+b+c) Sinh[4x])
\left(8\,\sqrt{2}\,\,\sqrt{c}\,\,\left(b-c-c\,\,\text{Cosh}\,[\,2\,\,x]\,\right)\,\sqrt{3\,\,a-b+3\,\,c+\,\left(-4\,\,a+4\,\,c\right)\,\,\text{Cosh}\,[\,2\,\,x]\,+\,\left(a+b+c\right)\,\,\text{Cosh}\,[\,4\,\,x]}\right)
                 \sqrt{(3 a - b + 3 c - 4 (a - c) Cosh[2 x] + (a + b + c) Cosh[4 x]) Csch[x]^4}
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2 b \sqrt{3} a - b + 3 c - 4 a Cosh[2 x] + 4 c Cosh[2 x] + a Cosh[4 x] + b Cosh[4 x] + c Cosh[4 x] + c Cosh[4 x]
                                      2 c \sqrt{3 a - b + 3 c - 4 a Cosh[2 x] + 4 c Cosh[2 x] + a Cosh[4 x] + b Cosh[4 x] + c Cosh[4 x]}
                    \sqrt{\left[\frac{1}{a+b+c}\left(-2\,b-4\,c+\sqrt{2}\,\sqrt{\left(2\,b^2-8\,a\,c+a\,\left(3\,a-b+3\,c-4\,a\,Cosh[\,2\,x\,]+4\,c\,Cosh[\,2\,x\,]+a\,Cosh[\,4\,x\,]+b\,Cosh[\,4\,x\,]+b\,Cosh[\,4\,x\,]+b\,Cosh[\,4\,x\,]+b\,Cosh[\,4\,x\,]+b\,Cosh[\,4\,x\,]+b\,Cosh[\,4\,x\,]+b\,Cosh[\,4\,x\,]+b\,Cosh[\,4\,x\,]+b\,Cosh[\,4\,x\,]+b\,Cosh[\,4\,x\,]+b\,Cosh[\,4\,x\,]+b\,Cosh[\,4\,x\,]+b\,Cosh[\,4\,x\,]+b\,Cosh[\,4\,x\,]+b\,Cosh[\,4\,x\,]+b\,Cosh[\,4\,x\,]+b\,Cosh[\,4\,x\,]+b\,Cosh[\,4\,x\,]+b\,Cosh[\,4\,x\,]+b\,Cosh[\,4\,x\,]+b\,Cosh[\,4\,x\,]+b\,Cosh[\,4\,x\,]+b\,Cosh[\,4\,x\,]+b\,Cosh[\,4\,x\,]+b\,Cosh[\,4\,x\,]+b\,Cosh[\,4\,x\,]+b\,Cosh[\,4\,x\,]+b\,Cosh[\,4\,x\,]+b\,Cosh[\,4\,x\,]+b\,Cosh[\,4\,x\,]+b\,Cosh[\,4\,x\,]+b\,Cosh[\,4\,x\,]+b\,Cosh[\,4\,x\,]+b\,Cosh[\,4\,x\,]+b\,Cosh[\,4\,x\,]+b\,Cosh[\,4\,x\,]+b\,Cosh[\,4\,x\,]+b\,Cosh[\,4\,x\,]+b\,Cosh[\,4\,x\,]+b\,Cosh[\,4\,x\,]+b\,Cosh[\,4\,x\,]+b\,Cosh[\,4\,x\,]+b\,Cosh[\,4\,x\,]+b\,Cosh[\,4\,x\,]+b\,Cosh[\,4\,x\,]+b\,Cosh[\,4\,x\,]+b\,Cosh[\,4\,x\,]+b\,Cosh[\,4\,x\,]+b\,Cosh[\,4\,x\,]+b\,Cosh[\,4\,x\,]+b\,Cosh[\,4\,x\,]+b\,Cosh[\,4\,x\,]+b\,Cosh[\,4\,x\,]+b\,Cosh[\,4\,x\,]+b\,Cosh[\,4\,x\,]+b\,Cosh[\,4\,x\,]+b\,Cosh[\,4\,x\,]+b\,Cosh[\,4\,x\,]+b\,Cosh[\,4\,x\,]+b\,Cosh[\,4\,x\,]+b\,Cosh[\,4\,x\,]+b\,Cosh[\,4\,x\,]+b\,Cosh[\,4\,x\,]+b\,Cosh[\,4\,x\,]+b\,Cosh[\,4\,x\,]+b\,Cosh[\,4\,x\,]+b\,Cosh[\,4\,x\,]+b\,Cosh[\,4\,x\,]+b\,Cosh[\,4\,x\,]+b\,Cosh[\,4\,x\,]+b\,Cosh[\,4\,x\,]+b\,Cosh[\,4\,x\,]+b\,Cosh[\,4\,x\,]+b\,Cosh[\,4\,x\,]+b\,Cosh[\,4\,x\,]+b\,Cosh[\,4\,x\,]+b\,Cosh[\,4\,x\,]+b\,Cosh[\,4\,x\,]+b\,Cosh[\,4\,x\,]+b\,Cosh[\,4\,x\,]+b\,Cosh[\,4\,x\,]+b\,Cosh[\,4\,x\,]+b\,Cosh[\,4\,x\,]+b\,Cosh[\,4\,x\,]+b\,Cosh[\,4\,x\,]+b\,Cosh[\,4\,x\,]+b\,Cosh[\,4\,x\,]+b\,Cosh[\,4\,x\,]+b\,Cosh[\,4\,x\,]+b\,Cosh[\,4\,x\,]+b\,Cosh[\,4\,x\,]+b\,Cosh[\,4\,x\,]+b\,Cosh[\,4\,x\,]+b\,Cosh[\,4\,x\,]+b\,Cosh[\,4\,x\,]+b\,Cosh[\,4\,x\,]+b\,Cosh[\,4\,x\,]+b\,Cosh[\,4\,x\,]+b\,Cosh[\,4\,x\,]+b\,Cosh[\,4\,x\,]+b\,Cosh[\,4\,x\,]+b\,Cosh[\,4\,x\,]+b\,Cosh[\,4\,x\,]+b\,Cosh[\,4\,x\,]+b\,Cosh[\,4\,x\,]+b\,Cosh[\,4\,x\,]+b\,Cosh[\,4\,x\,]+b\,Cosh[\,4\,x\,]+b\,Cosh[\,4\,x\,]+b\,Cosh[\,4\,x\,]+b\,Cosh[\,4\,x\,]+b\,Cosh[\,4\,x\,]+b\,Cosh[\,4\,x\,]+b\,Cosh[\,4\,x\,]+b\,Cosh[\,4\,x\,]+b\,Cosh[\,4\,x\,]+b\,Cosh[\,4\,x\,]+b\,Cosh[\,4\,x\,]+b\,Cosh[\,4\,x\,]+b\,Cosh[\,4\,x\,]+b\,Cosh[\,4\,x\,]+b\,Cosh[\,4\,x\,]+b\,Cosh[\,4\,x\,]+b\,Cosh[\,4\,x\,]+b\,Cosh[\,4\,x\,]+b\,Cosh[\,4\,x\,]+b\,Cosh[\,4\,x\,]+b\,Cosh[\,4\,x\,]+b\,Cosh[\,4\,x\,]+b\,Cosh[\,4\,x\,]+b\,Cosh[\,4\,x\,]+b\,Cosh[\,4\,x\,]+b\,Cosh[\,4\,x\,]+b\,Cosh[\,4\,x\,]+b\,Cosh[\,4\,x\,]+b\,Cosh[\,4\,x\,]+b\,Cosh[\,4\,x\,]+b\,Cosh[\,4\,x\,]+b\,Cos
                                                                                                                                \texttt{c} \; \texttt{Cosh[4\,x])} \; + \; \texttt{b} \; (3 \; \texttt{a} \; - \; \texttt{b} \; + \; 3 \; \texttt{c} \; - \; 4 \; \texttt{a} \; \texttt{Cosh[2\,x]} \; + \; 4 \; \texttt{c} \; \texttt{Cosh[2\,x]} \; + \; \texttt{a} \; \texttt{Cosh[4\,x]} \; + \; \texttt{b} \; \texttt{Cosh[4\,x]} \; + \; \texttt{c} \; \texttt{Cosh[4\,x]}) \; + \; \texttt{c} \; \texttt{cosh[4\,x]} \; + \; \texttt{cosh[4\,x]} \; + \; \texttt{c} \; \texttt{cosh[4\,x]} \; + \; \texttt{c} \; \texttt{cosh[4\,x]} \; + \; \texttt{c} \; \texttt{cosh[4\,x]} \; + \; \texttt{cosh[4\,x
                                                                                                     c (3 a - b + 3 c - 4 a Cosh[2 x] + 4 c Cosh[2 x] + a Cosh[4 x] + b Cosh[4 x] + c Cosh[4 x]))
                                                                                                                                                                                         3\;a-b+3\;c-4\;a\;Cosh[\,2\;x\,]+4\;c\;Cosh[\,2\;x\,]+a\;Cosh[\,4\;x\,]+b\;Cosh[\,4\;x\,]+c\;Cosh[\,4\;x\,]
                                      \frac{1}{2\sqrt{c}} \operatorname{ArcTanh} \left[ \left( (b+2c) \sqrt{3 a - b + 3 c - 4 a \operatorname{Cosh}[2x] + 4 c \operatorname{Cosh}[2x] + a \operatorname{Cosh}[4x] + b \operatorname{Cosh}[4x] + c 
                                                                     \left[2\,\sqrt{c}\,\,\sqrt{\,\left(2\,b^2-8\,a\,c+a\,\left(3\,a-b+3\,c-4\,a\,Cosh[\,2\,x\,\right]\,+4\,c\,Cosh[\,2\,x\,\right]\,+a\,Cosh[\,4\,x\,]\,+b\,Cosh[\,4\,x\,]\,+c\,Cosh[\,4\,x\,]\,\right)}\,+\left[2\,\sqrt{c}\,\,\sqrt{\,\left(2\,b^2-8\,a\,c+a\,\left(3\,a-b+3\,c-4\,a\,Cosh[\,2\,x\,\right]\,+4\,c\,Cosh[\,2\,x\,]\,+a\,Cosh[\,4\,x\,]\,+b\,Cosh[\,4\,x\,]\,+c\,Cosh[\,4\,x\,]\,\right]}\right]
                                                                                                             b(3a-b+3c-4aCosh[2x]+4cCosh[2x]+aCosh[4x]+bCosh[4x]+cCosh[4x])
                                                                                                                c(3a-b+3c-4aCosh[2x]+4cCosh[2x]+aCosh[4x]+bCosh[4x]+cCosh[4x])))
                                                                                                           - Log[2 | a \sqrt{3} a - b + 3 c - 4 a Cosh[2 x] + 4 c Cosh[2 x] + a Cosh[4 x] + b Cosh[4 x] + c Cosh[4 x] +
                                                                                   b\sqrt{3}a - b + 3c - 4a Cosh[2x] + 4c Cosh[2x] + a Cosh[4x] + b Cosh[4x] + c Cosh[4x] + c Cosh[4x]
                                                                                     c\sqrt{3} a - b + 3 c - 4 a Cosh[2x] + 4 c Cosh[2x] + a Cosh[4x] + b Cosh[4x] + c Cosh[4x] + \sqrt{a + b + c}
                                                                                            \sqrt{(2b^2 - 8ac + a(3a - b + 3c - 4aCosh[2x] + 4cCosh[2x] + aCosh[4x] + bCosh[4x] + cCosh[4x])}
                                                                                                                        b \; (3 \; a - b + 3 \; c - 4 \; a \; Cosh[2 \; x] \; + \; 4 \; c \; Cosh[2 \; x] \; + \; a \; Cosh[4 \; x] \; + \; b \; Cosh[4 \; x] \; + \; c \; Cosh[4 \; x] \; ) \; + \; c \; Cosh[4 \; x] \; ) \; + \; c \; Cosh[4 \; x] \; ) \; + \; c \; Cosh[4 \; x] \; ) \; + \; c \; Cosh[4 \; x] \; ) \; + \; c \; Cosh[4 \; x] \; ) \; + \; c \; Cosh[4 \; x] \; ) \; + \; c \; Cosh[4 \; x] \; ) \; + \; c \; Cosh[4 \; x] \; ) \; + \; c \; Cosh[4 \; x] \; ) \; + \; c \; Cosh[4 \; x] \; ) \; + \; c \; Cosh[4 \; x] \; ) \; + \; c \; Cosh[4 \; x] \; ) \; + \; c \; Cosh[4 \; x] \; ) \; + \; c \; Cosh[4 \; x] \; ) \; + \; c \; Cosh[4 \; x] \; ) \; + \; c \; Cosh[4 \; x] \; ) \; + \; c \; Cosh[4 \; x] \; ) \; + \; c \; Cosh[4 \; x] \; ) \; + \; c \; Cosh[4 \; x] \; ) \; + \; c \; Cosh[4 \; x] \; ) \; + \; c \; Cosh[4 \; x] \; ) \; + \; c \; Cosh[4 \; x] \; ) \; + \; c \; Cosh[4 \; x] \; ) \; + \; c \; Cosh[4 \; x] \; ) \; + \; c \; Cosh[4 \; x] \; ) \; + \; c \; Cosh[4 \; x] \; ) \; + \; c \; Cosh[4 \; x] \; ) \; + \; c \; Cosh[4 \; x] \; ) \; + \; c \; Cosh[4 \; x] \; ) \; + \; c \; Cosh[4 \; x] \; ) \; + \; c \; Cosh[4 \; x] \; ) \; + \; c \; Cosh[4 \; x] \; ) \; + \; c \; Cosh[4 \; x] \; ) \; + \; c \; Cosh[4 \; x] \; ) \; + \; c \; Cosh[4 \; x] \; + \; c \; Cosh[4 \; x] \; ) \; + \; c \; Cosh[4 \; x] \; ) \; + \; c \; Cosh[4 \; x] \; ) \; + \; c \; Cosh[4 \; x] \; ) \; + \; c \; Cosh[4 \; x] \; ) \; + \; c \; Cosh[4 \; x] \; ) \; + \; c \; Cosh[4 \; x] \; ) \; + \; c \; Cosh[4 \; x] \; ) \; + \; c \; Cosh[4 \; x] \; ) \; + \; c \; Cosh[4 \; x] \; ) \; + \; c \; Cosh[4 \; x] \; ) \; + \; c \; Cosh[4 \; x] \; ) \; + \; c \; Cosh[4 \; x] \; ) \; + \; c \; Cosh[4 \; x] \; ) \; + \; c \; Cosh[4 \; x] \; + \; c \; Cosh[4 \; x] \; ) \; + \; c \; Cosh[4 \; x] \; + \; c \; Co
                                                                                                                       c (3 a - b + 3 c - 4 a Cosh[2 x] + 4 c Cosh[2 x] + a Cosh[4 x] + b Cosh[4 x] + c Cosh[4 x]))
                                                                                                                                                                       b \operatorname{Csch}[x]^2 \operatorname{Sinh}[2x]
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   c Csch[x]^2 Sinh[2x]
                                       \sqrt{3 a - b + 3 c - 4 (a - c) \cosh[2 x] + (a + b + c) \cosh[4 x]}
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 \sqrt{3 a - b + 3 c - 4 (a - c) \cosh[2 x] + (a + b + c) \cosh[4 x]}
                                                                                                                                    c Cosh[2x] Csch[x]^2 Sinh[2x]
                                          \sqrt{3 a - b + 3 c - 4 (a - c) Cosh[2x] + (a + b + c) Cosh[4x]}
                       (-4 \text{ a Sinh}[2 \text{ x}] + 4 \text{ c Sinh}[2 \text{ x}] + 2 \text{ a Sinh}[4 \text{ x}] + 2 \text{ b Sinh}[4 \text{ x}] + 2 \text{ c Sinh}[4 \text{ x}])
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```
(-8 (a-c) Sinh[2x] + 4 (a+b+c) Sinh[4x])
16 \ (b-c-c \ Cosh[2 \ x]) \ \sqrt{3} \ a-b+3 \ c-4 \ a \ Cosh[2 \ x] \ +4 \ c \ Cosh[2 \ x] \ +a \ Cosh[4 \ x] \ +b \ Cosh[4 \ x] \ +c \ Cosh[4 \ x
                     \sqrt{(2b^2 - 8ac + a(3a - b + 3c - 4aCosh[2x] + 4cCosh[2x] + aCosh[4x] + bCosh[4x] + cCosh[4x])}
                                                                     \texttt{b} \; ( \; 3 \; \texttt{a} \; - \; \texttt{b} \; + \; 3 \; \texttt{c} \; - \; 4 \; \texttt{a} \; \texttt{Cosh}[ \; 2 \; \texttt{x} ] \; + \; 4 \; \texttt{c} \; \texttt{Cosh}[ \; 2 \; \texttt{x} ] \; + \; \texttt{a} \; \texttt{Cosh}[ \; 4 \; \texttt{x} ] \; + \; \texttt{b} \; \texttt{Cosh}[ \; 4 \; \texttt{x} ] \; + \; \texttt{c} \; \texttt{Cosh}[ \; 4 \; \texttt{x} ] \; ) \; + \; \texttt{cosh}[ \; 4 \; \texttt{x} ] \; + \; \texttt{cosh}[ \; 4 \; \texttt{x} ] \; + \; \texttt{cosh}[ \; 4 \; \texttt{x} ] \; ) \; + \; \texttt{cosh}[ \; 4 \; \texttt{x} ] \; ) \; + \; \texttt{cosh}[ \; 4 \; \texttt{x} ] \; + \; \texttt{cosh}[ \; 4 \; \texttt{x} ] \; ) \; + \; \texttt{cosh}[ \; 4 \; \texttt{x} ] \; + \; \texttt{cosh}[ \; 4 \; \texttt{x} ] \; ) \; + \; \texttt{cosh}[ \; 4 \; \texttt{x} ] \; ) \; + \; \texttt{cosh}[ \; 4 \; \texttt{x} ] \; ) \; + \; \texttt{cosh}[ \; 4 \; \texttt{x} ] \; ) \; + \; \texttt{cosh}[ \; 4 \; \texttt{x} ] \; ) \; + \; \texttt{cosh}[ \; 4 \; \texttt{x} ] \; ) \; + \; \texttt{cosh}[ \; 4 \; \texttt{x} ] \; ) \; + \; \texttt{cosh}[ \; 4 \; \texttt{x} ] \; ) \; + \; \texttt{cosh}[ \; 4 \; \texttt{x} ] \; ) \; + \; \texttt{cosh}[ \; 4 \; \texttt{x} ] \; ) \; + \; \texttt{cosh}[ \; 4 \; \texttt{x} ] \; ) \; + \; \texttt{cosh}[ \; 4 \; \texttt{x} ] \; ) \; + \; \texttt{cosh}[ \; 4 \; \texttt{x} ] \; ) \; + \; \texttt{cosh}[ \; 4 \; \texttt{x} ] \; ) \; + \; \texttt{cosh}[ \; 4 \; \texttt{x} ] \; ) \; + \; \texttt{cosh}[ \; 4 \; \texttt{x} ] \; ) \; + \; \texttt{cosh}[ \; 4 \; \texttt{x} ] \; ) \; + \; \texttt{cosh}[ \; 4 \; \texttt{x} ] \; ) \; + \; \texttt{cosh}[ \; 4 \; \texttt{x} ] \; ) \; + \; \texttt{cosh}[ \; 4 \; \texttt{x} ] \; ) \; + \; \texttt{cosh}[ \; 4 \; \texttt{x} ] \; ) \; + \; \texttt{cosh}[ \; 4 \; \texttt{x} ] \; ) \; + \; \texttt{cosh}[ \; 4 \; \texttt{x} ] \; ) \; + \; \texttt{cosh}[ \; 4 \; \texttt{x} ] \; ) \; + \; \texttt{cosh}[ \; 4 \; \texttt{x} ] \; ) \; + \; \texttt{cosh}[ \; 4 \; \texttt{x} ] \; ) \; + \; \texttt{cosh}[ \; 4 \; \texttt{x} ] \; ) \; + \; \texttt{cosh}[ \; 4 \; \texttt{x} ] \; ) \; + \; \texttt{cosh}[ \; 4 \; \texttt{x} ] \; ) \; + \; \texttt{cosh}[ \; 4 \; \texttt{x} ] \; ) \; + \; \texttt{cosh}[ \; 4 \; \texttt{x} ] \; ) \; + \; \texttt{cosh}[ \; 4 \; \texttt{x} ] \; ) \; + \; \texttt{cosh}[ \; 4 \; \texttt{x} ] \; ) \; + \; \texttt{cosh}[ \; 4 \; \texttt{x} ] \; ) \; + \; \texttt{cosh}[ \; 4 \; \texttt{x} ] \; ) \; + \; \texttt{cosh}[ \; 4 \; \texttt{x} ] \; ) \; + \; \texttt{cosh}[ \; 4 \; \texttt{x} ] \; ) \; + \; \texttt{cosh}[ \; 4 \; \texttt{x} ] \; ) \; + \; \texttt{cosh}[ \; 4 \; \texttt{x} ] \; ) \; + \; \texttt{cosh}[ \; 4 \; \texttt{x} ] \; ) \; + \; \texttt{cosh}[ \; 4 \; \texttt{x} ] \; ) \; + \; \texttt{cosh}[ \; 4 \; \texttt{x} ] \; ) \; + \; \texttt{cosh}[ \; 4 \; \texttt{x} ] \; ) \; + \; \texttt{cosh}[ \; 4 \; \texttt{x} ] \; ) \; + \; \texttt{cosh}[ \; 4 \; \texttt{x} ] \; ) \; + \; \texttt{cosh}[ \; 4 \; \texttt{x} ] \; ) \; + \; \texttt{cosh}[ \; 4 \; \texttt{x} ] \; ) \; + \; \texttt{cosh}[ \; 4 \; \texttt{x} ] \; ) \; + \; \texttt{cosh}[ \; 4 \; \texttt{x} ] \; ) \; + \; \texttt{cosh}[ \; 4 \; \texttt{x} ] \; ) \; 
                                                                      c(3a-b+3c-4aCosh[2x]+4cCosh[2x]+aCosh[4x]+bCosh[4x]+cCosh[4x])
                   \sqrt{\left[\frac{1}{2+b+a}\left(4\,a+2\,b+\sqrt{2}\,\sqrt{\left(2\,b^2-8\,a\,c+a\,\left(3\,a-b+3\,c-4\,a\,Cosh[2\,x]+4\,c\,Cosh[2\,x]+a\,Cosh[4\,x]+b\,Cosh[4\,x]\right)\right]}\right.}
                                                                                                                                                                                                                                \texttt{c} \; \texttt{Cosh} \; [\; 4 \; \mathbf{x} \; ] \; ) \; + \; \texttt{b} \; (\; 3 \; \mathbf{a} \; - \; \mathbf{b} \; + \; 3 \; \mathbf{c} \; - \; 4 \; \mathbf{a} \; \texttt{Cosh} \; [\; 2 \; \mathbf{x} \; ] \; + \; 4 \; \mathbf{c} \; \texttt{Cosh} \; [\; 2 \; \mathbf{x} \; ] \; + \; \mathbf{a} \; \texttt{Cosh} \; [\; 4 \; \mathbf{x} \; ] \; + \; \mathbf{b} \; \texttt{Cosh} \; [\; 4 \; \mathbf{x} \; ] \; + \; \mathbf{c} \; \texttt{Cosh} \; [\; 4 \; \mathbf{x} \; ] \; ) \; + \; \mathbf{c} \; \texttt{Cosh} \; [\; 4 \; \mathbf{x} \; ] \; + \; \mathbf{c} \; \texttt{Cosh} \; [\; 4 \; \mathbf{x} \; ] \; + \; \mathbf{c} \; \texttt{Cosh} \; [\; 4 \; \mathbf{x} \; ] \; + \; \mathbf{c} \; \texttt{Cosh} \; [\; 4 \; \mathbf{x} \; ] \; + \; \mathbf{c} \; \texttt{Cosh} \; [\; 4 \; \mathbf{x} \; ] \; + \; \mathbf{c} \; \texttt{Cosh} \; [\; 4 \; \mathbf{x} \; ] \; + \; \mathbf{c} \; \texttt{Cosh} \; [\; 4 \; \mathbf{x} \; ] \; + \; \mathbf{c} \; \texttt{Cosh} \; [\; 4 \; \mathbf{x} \; ] \; + \; \mathbf{c} \; \texttt{Cosh} \; [\; 4 \; \mathbf{x} \; ] \; + \; \mathbf{c} \; \texttt{Cosh} \; [\; 4 \; \mathbf{x} \; ] \; + \; \mathbf{c} \; \texttt{Cosh} \; [\; 4 \; \mathbf{x} \; ] \; + \; \mathbf{c} \; \texttt{Cosh} \; [\; 4 \; \mathbf{x} \; ] \; + \; \mathbf{c} \; \texttt{Cosh} \; [\; 4 \; \mathbf{x} \; ] \; + \; \mathbf{c} \; \texttt{Cosh} \; [\; 4 \; \mathbf{x} \; ] \; + \; \mathbf{c} \; \texttt{Cosh} \; [\; 4 \; \mathbf{x} \; ] \; + \; \mathbf{c} \; \texttt{Cosh} \; [\; 4 \; \mathbf{x} \; ] \; + \; \mathbf{c} \; \texttt{Cosh} \; [\; 4 \; \mathbf{x} \; ] \; + \; \mathbf{c} \; \texttt{Cosh} \; [\; 4 \; \mathbf{x} \; ] \; + \; \mathbf{c} \; \texttt{Cosh} \; [\; 4 \; \mathbf{x} \; ] \; + \; \mathbf{c} \; \texttt{Cosh} \; [\; 4 \; \mathbf{x} \; ] \; + \; \mathbf{c} \; \texttt{Cosh} \; [\; 4 \; \mathbf{x} \; ] \; + \; \mathbf{c} \; \texttt{Cosh} \; [\; 4 \; \mathbf{x} \; ] \; + \; \mathbf{c} \; \texttt{Cosh} \; [\; 4 \; \mathbf{x} \; ] \; + \; \mathbf{c} \; \texttt{Cosh} \; [\; 4 \; \mathbf{x} \; ] \; + \; \mathbf{c} \; \texttt{Cosh} \; [\; 4 \; \mathbf{x} \; ] \; + \; \mathbf{c} \; \texttt{Cosh} \; [\; 4 \; \mathbf{x} \; ] \; + \; \mathbf{c} \; \texttt{Cosh} \; [\; 4 \; \mathbf{x} \; ] \; + \; \mathbf{c} \; \texttt{Cosh} \; [\; 4 \; \mathbf{x} \; ] \; + \; \mathbf{c} \; \texttt{Cosh} \; [\; 4 \; \mathbf{x} \; ] \; + \; \mathbf{c} \; \texttt{Cosh} \; [\; 4 \; \mathbf{x} \; ] \; + \; \mathbf{c} \; \texttt{Cosh} \; [\; 4 \; \mathbf{x} \; ] \; + \; \mathbf{c} \; \texttt{Cosh} \; [\; 4 \; \mathbf{x} \; ] \; + \; \mathbf{c} \; \texttt{Cosh} \; [\; 4 \; \mathbf{x} \; ] \; + \; \mathbf{c} \; \texttt{Cosh} \; [\; 4 \; \mathbf{x} \; ] \; + \; \mathbf{c} \; \texttt{Cosh} \; [\; 4 \; \mathbf{x} \; ] \; + \; \mathbf{c} \; \texttt{Cosh} \; [\; 4 \; \mathbf{x} \; ] \; + \; \mathbf{c} \; \texttt{Cosh} \; [\; 4 \; \mathbf{x} \; ] \; + \; \mathbf{c} \; \texttt{Cosh} \; [\; 4 \; \mathbf{x} \; ] \; + \; \mathbf{c} \; \texttt{Cosh} \; [\; 4 \; \mathbf{x} \; ] \; + \; \mathbf{c} \; \texttt{Cosh} \; [\; 4 \; \mathbf{x} \; ] \; + \; \mathbf{c} \; \texttt{Cosh} \; [\; 4 \; \mathbf{x} \; ] \; + \; \mathbf{c} \; \texttt{Cosh} \; [\; 4 \; \mathbf{x} \; ] \; + \; \mathbf{c} \; \texttt{Cosh} \; [\; 4 \; \mathbf{x} \; ] \; + \; \mathbf{c} \; \texttt{Cosh} \; [\; 4 \; \mathbf{x} \; ] \; + \; \mathbf{c} \; \texttt{Cosh} \; [\; 4 \; \mathbf{x
                                                                                                                                                                             c (3 a - b + 3 c - 4 a Cosh[2 x] + 4 c Cosh[2 x] + a Cosh[4 x] + b Cosh[4 x] + c Cosh[4 x]))
                          2 = 2 + \sqrt{2} +
                                                                                                                        b \; (3 \; a \; -b \; + \; 3 \; c \; -4 \; a \; Cosh[\; 2 \; x] \; + \; 4 \; c \; Cosh[\; 2 \; x] \; + \; a \; Cosh[\; 4 \; x] \; + \; b \; Cosh[\; 4 \; x] \; + \; c \; Cosh[\; 4 \; x] \; ) \; + \; c \; Cosh[\; 4 \; x] \; ) \; + \; c \; Cosh[\; 4 \; x] \; ) \; + \; c \; Cosh[\; 4 \; x] \; ) \; + \; c \; Cosh[\; 4 \; x] \; ) \; + \; c \; Cosh[\; 4 \; x] \; ) \; + \; c \; Cosh[\; 4 \; x] \; ) \; + \; c \; Cosh[\; 4 \; x] \; ) \; + \; c \; Cosh[\; 4 \; x] \; ) \; + \; c \; Cosh[\; 4 \; x] \; ) \; + \; c \; Cosh[\; 4 \; x] \; ) \; + \; c \; Cosh[\; 4 \; x] \; ) \; + \; c \; Cosh[\; 4 \; x] \; ) \; + \; c \; Cosh[\; 4 \; x] \; ) \; + \; c \; Cosh[\; 4 \; x] \; ) \; + \; c \; Cosh[\; 4 \; x] \; ) \; + \; c \; Cosh[\; 4 \; x] \; ) \; + \; c \; Cosh[\; 4 \; x] \; ) \; + \; c \; Cosh[\; 4 \; x] \; ) \; + \; c \; Cosh[\; 4 \; x] \; ) \; + \; c \; Cosh[\; 4 \; x] \; ) \; + \; c \; Cosh[\; 4 \; x] \; ) \; + \; c \; Cosh[\; 4 \; x] \; ) \; + \; c \; Cosh[\; 4 \; x] \; ) \; + \; c \; Cosh[\; 4 \; x] \; ) \; + \; c \; Cosh[\; 4 \; x] \; ) \; + \; c \; Cosh[\; 4 \; x] \; ) \; + \; c \; Cosh[\; 4 \; x] \; ) \; + \; c \; Cosh[\; 4 \; x] \; ) \; + \; c \; Cosh[\; 4 \; x] \; ) \; + \; c \; Cosh[\; 4 \; x] \; ) \; + \; c \; Cosh[\; 4 \; x] \; ) \; + \; c \; Cosh[\; 4 \; x] \; ) \; + \; c \; Cosh[\; 4 \; x] \; ) \; + \; c \; Cosh[\; 4 \; x] \; ) \; + \; c \; Cosh[\; 4 \; x] \; ) \; + \; c \; Cosh[\; 4 \; x] \; ) \; + \; c \; Cosh[\; 4 \; x] \; ) \; + \; c \; Cosh[\; 4 \; x] \; ) \; + \; c \; Cosh[\; 4 \; x] \; ) \; + \; c \; Cosh[\; 4 \; x] \; ) \; + \; c \; Cosh[\; 4 \; x] \; ) \; + \; c \; Cosh[\; 4 \; x] \; ) \; + \; c \; Cosh[\; 4 \; x] \; ) \; + \; c \; Cosh[\; 4 \; x] \; ) \; + \; c \; Cosh[\; 4 \; x] \; ) \; + \; c \; Cosh[\; 4 \; x] \; ) \; + \; c \; Cosh[\; 4 \; x] \; ) \; + \; c \; Cosh[\; 4 \; x] \; ) \; + \; c \; Cosh[\; 4 \; x] \; ) \; + \; c \; Cosh[\; 4 \; x] \; ) \; + \; c \; Cosh[\; 4 \; x] \; ) \; + \; c \; Cosh[\; 4 \; x] \; ) \; + \; c \; Cosh[\; 4 \; x] \; ) \; + \; c \; Cosh[\; 4 \; x] \; + \; c \; Cosh[\; 4 \; x] \; ) \; + \; c \; Cosh[\; 4 \; x] \; ) \; + \; c \; Cosh[\; 4 \; x] \; + \; c \; Cosh[\; 4 \; x] \; ) \; + \; c \; Cosh[\; 4 \; x] \; + \; c \; Cosh[\; 4 \; x] \; + \; c \; Cosh[\; 4 \; x] \; + \; c \; Cosh[\; 4 \; x] \; + \; c \; Cosh[\; 4 \; x] \; + \; c \; Cosh[\; 4 \; x] \; + \; c \; Cosh[\; 4 \; x] \; + \; c \; Cosh[\; 4 \; x] \; + \; c \; Cosh[\; 4 \; x] \; + \; c \; Cosh[\; 4 \; x] \; + \; c \; Cosh[\; 4 \; x] \; + \; 
                                                                                                                          c(3a-b+3c-4aCosh[2x]+4cCosh[2x]+aCosh[4x]+bCosh[4x]+cCosh[4x]))
                   \sqrt{\left[-1 + \frac{1}{2(a+b+c)} \left(2 a - 2 c + \sqrt{2} \sqrt{(2b^2 - 8 a c + a (3 a - b + 3 c - 4 a Cosh[2x] + 4 c Cosh[2x] + a Cosh[4x] + a Cosh[4x]
                                                                                                                                                                                                                                                    b \, Cosh[\, 4 \, x] \, + c \, Cosh[\, 4 \, x] \, ) \, + b \, (\, 3 \, a - b + 3 \, c - 4 \, a \, Cosh[\, 2 \, x] \, + 4 \, c \, Cosh[\, 2 \, x] \, + a \, Cosh[\, 4 \, x] \, + b \,
                                                                                                                                                                                                                                                 c \cosh[4x] + c (3a - b + 3c - 4a \cosh[2x] + 4c \cosh[2x] + a \cosh[4x] + b \cosh[4x] + c \cosh[4x])
                   \sqrt{\left(1 + \frac{1}{2(a+b+c)} \left(2a-2c+\sqrt{2}\sqrt{(2b^2-8ac+a(3a-b+3c-4aCosh[2x]+4cCosh[2x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh
                                                                                                                                                                                                                                                 b\, \texttt{Cosh}\,[\,4\,\,x]\,\,+\,c\, \texttt{Cosh}\,[\,4\,\,x]\,\,)\,\,+\,b\,\,(\,3\,\,a\,\,-\,\,b\,\,+\,3\,\,c\,\,-\,\,4\,\,a\,\,\texttt{Cosh}\,[\,2\,\,x]\,\,+\,4\,\,c\,\,\texttt{Cosh}\,[\,2\,\,x]\,\,+\,a\,\,\texttt{Cosh}\,[\,4\,\,x]\,\,+\,b\,\,\texttt{Cosh}\,[\,4\,\,x]\,\,+\,b\,\,\texttt{Cosh}\,[\,4\,\,x]\,\,+\,b\,\,\texttt{Cosh}\,[\,4\,\,x]\,\,+\,b\,\,\texttt{Cosh}\,[\,4\,\,x]\,\,+\,b\,\,\texttt{Cosh}\,[\,4\,\,x]\,\,+\,b\,\,\texttt{Cosh}\,[\,4\,\,x]\,\,+\,b\,\,\texttt{Cosh}\,[\,4\,\,x]\,\,+\,b\,\,\texttt{Cosh}\,[\,4\,\,x]\,\,+\,b\,\,\texttt{Cosh}\,[\,4\,\,x]\,\,+\,b\,\,\texttt{Cosh}\,[\,4\,\,x]\,\,+\,b\,\,\texttt{Cosh}\,[\,4\,\,x]\,\,+\,b\,\,\texttt{Cosh}\,[\,4\,\,x]\,\,+\,b\,\,\texttt{Cosh}\,[\,4\,\,x]\,\,+\,b\,\,\texttt{Cosh}\,[\,4\,\,x]\,\,+\,b\,\,\texttt{Cosh}\,[\,4\,\,x]\,\,+\,b\,\,\texttt{Cosh}\,[\,4\,\,x]\,\,+\,b\,\,\texttt{Cosh}\,[\,4\,\,x]\,\,+\,b\,\,\texttt{Cosh}\,[\,4\,\,x]\,\,+\,b\,\,\texttt{Cosh}\,[\,4\,\,x]\,\,+\,b\,\,\texttt{Cosh}\,[\,4\,\,x]\,\,+\,b\,\,\texttt{Cosh}\,[\,4\,\,x]\,\,+\,b\,\,\texttt{Cosh}\,[\,4\,\,x]\,\,+\,b\,\,\texttt{Cosh}\,[\,4\,\,x]\,\,+\,b\,\,\texttt{Cosh}\,[\,4\,\,x]\,\,+\,b\,\,\texttt{Cosh}\,[\,4\,\,x]\,\,+\,b\,\,\texttt{Cosh}\,[\,4\,\,x]\,\,+\,b\,\,\texttt{Cosh}\,[\,4\,\,x]\,\,+\,b\,\,\texttt{Cosh}\,[\,4\,\,x]\,\,+\,b\,\,\texttt{Cosh}\,[\,4\,\,x]\,\,+\,b\,\,\texttt{Cosh}\,[\,4\,\,x]\,\,+\,b\,\,\texttt{Cosh}\,[\,4\,\,x]\,\,+\,b\,\,\texttt{Cosh}\,[\,4\,\,x]\,\,+\,b\,\,\texttt{Cosh}\,[\,4\,\,x]\,\,+\,b\,\,\texttt{Cosh}\,[\,4\,\,x]\,\,+\,b\,\,\texttt{Cosh}\,[\,4\,\,x]\,\,+\,b\,\,\texttt{Cosh}\,[\,4\,\,x]\,\,+\,b\,\,\texttt{Cosh}\,[\,4\,\,x]\,\,+\,b\,\,\texttt{Cosh}\,[\,4\,\,x]\,\,+\,b\,\,\texttt{Cosh}\,[\,4\,\,x]\,\,+\,b\,\,\texttt{Cosh}\,[\,4\,\,x]\,\,+\,b\,\,\texttt{Cosh}\,[\,4\,\,x]\,\,+\,b\,\,\texttt{Cosh}\,[\,4\,\,x]\,\,+\,b\,\,\texttt{Cosh}\,[\,4\,\,x]\,\,+\,b\,\,\texttt{Cosh}\,[\,4\,\,x]\,\,+\,b\,\,\texttt{Cosh}\,[\,4\,\,x]\,\,+\,b\,\,\texttt{Cosh}\,[\,4\,\,x]\,\,+\,b\,\,\texttt{Cosh}\,[\,4\,\,x]\,\,+\,b\,\,\texttt{Cosh}\,[\,4\,\,x]\,\,+\,b\,\,\texttt{Cosh}\,[\,4\,\,x]\,\,+\,b\,\,\texttt{Cosh}\,[\,4\,\,x]\,\,+\,b\,\,\texttt{Cosh}\,[\,4\,\,x]\,\,+\,b\,\,\texttt{Cosh}\,[\,4\,\,x]\,\,+\,b\,\,\texttt{Cosh}\,[\,4\,\,x]\,\,+\,b\,\,\texttt{Cosh}\,[\,4\,\,x]\,\,+\,b\,\,\texttt{Cosh}\,[\,4\,\,x]\,\,+\,b\,\,\texttt{Cosh}\,[\,4\,\,x]\,\,+\,b\,\,\texttt{Cosh}\,[\,4\,\,x]\,\,+\,b\,\,\texttt{Cosh}\,[\,4\,\,x]\,\,+\,b\,\,\texttt{Cosh}\,[\,4\,\,x]\,\,+\,b\,\,\texttt{Cosh}\,[\,4\,\,x]\,\,+\,b\,\,\texttt{Cosh}\,[\,4\,\,x]\,\,+\,b\,\,\texttt{Cosh}\,[\,4\,\,x]\,\,+\,b\,\,\texttt{Cosh}\,[\,4\,\,x]\,\,+\,b\,\,\texttt{Cosh}\,[\,4\,\,x]\,\,+\,b\,\,\texttt{Cosh}\,[\,4\,\,x]\,\,+\,b\,\,\texttt{Cosh}\,[\,4\,\,x]\,\,+\,b\,\,\texttt{Cosh}\,[\,4\,\,x]\,\,+\,b\,\,\texttt{Cosh}\,[\,4\,\,x]\,\,+\,b\,\,\texttt{Cosh}\,[\,4\,\,x]\,\,+\,b\,\,\texttt{Cosh}\,[\,4\,\,x]\,\,+\,b\,\,\texttt{Cosh}\,[\,4\,\,x]\,\,+\,b\,\,\texttt{Cosh}\,[\,4\,\,x]\,\,+\,b\,\,\texttt{Cosh}\,[\,4\,\,x]\,\,+\,b\,\,\texttt{Cosh}\,[\,4\,\,x]\,\,+\,b\,\,\texttt{Cosh}\,[\,4\,\,x]\,\,+\,b\,\,\texttt{Cosh}\,[\,4\,\,x]\,\,+\,b\,\,\texttt{Cosh}\,[\,4\,\,x]\,\,+\,b\,\,\texttt{Cosh}\,[\,4\,\,x]\,\,+\,b\,\,\texttt{Cosh}\,[\,4\,\,x]\,\,+\,b\,\,\texttt{Cosh}\,[\,4\,\,x]\,\,+\,b\,\,\texttt{Cosh}\,[\,4\,\,x]\,\,+\,b\,\,\texttt{Cosh}\,[\,4\,\,x]\,\,+\,b\,\,\texttt{Cosh}\,[\,4\,\,x]\,\,+\,b\,\,\texttt{Cosh}\,[\,4\,\,x]\,\,+\,b\,\,\texttt{Cosh}\,[\,4\,\,x]\,\,+\,b\,\,\texttt{Cosh}\,[\,4\,\,x]\,\,+\,b\,\,\texttt{
                                                                                                                                                                                                                                                 \sqrt{(3 \, a - b + 3 \, c - 4 \, (a - c) \, Cosh[2 \, x] + (a + b + c) \, Cosh[4 \, x]) \, Csch[x]^{4}} - \left| (b - c) \, (1 + Cosh[2 \, x]) + (a + b + c) \, Cosh[4 \, x] + (a + b + c) \, Cosh[4 \, x] + (a + b + c) \, Cosh[4 \, x] + (a + b + c) \, Cosh[4 \, x] + (a + b + c) \, Cosh[4 \, x] + (a + b + c) \, Cosh[4 \, x] + (a + b + c) \, Cosh[4 \, x] + (a + b + c) \, Cosh[4 \, x] + (a + b + c) \, Cosh[4 \, x] + (a + b + c) \, Cosh[4 \, x] + (a + b + c) \, Cosh[4 \, x] + (a + b + c) \, Cosh[4 \, x] + (a + b + c) \, Cosh[4 \, x] + (a + b + c) \, Cosh[4 \, x] + (a + b + c) \, Cosh[4 \, x] + (a + b + c) \, Cosh[4 \, x] + (a + b + c) \, Cosh[4 \, x] + (a + b + c) \, Cosh[4 \, x] + (a + b + c) \, Cosh[4 \, x] + (a + b + c) \, Cosh[4 \, x] + (a + b + c) \, Cosh[4 \, x] + (a + b + c) \, Cosh[4 \, x] + (a + b + c) \, Cosh[4 \, x] + (a + b + c) \, Cosh[4 \, x] + (a + b + c) \, Cosh[4 \, x] + (a + b + c) \, Cosh[4 \, x] + (a + b + c) \, Cosh[4 \, x] + (a + b + c) \, Cosh[4 \, x] + (a + b + c) \, Cosh[4 \, x] + (a + b + c) \, Cosh[4 \, x] + (a + b + c) \, Cosh[4 \, x] + (a + b + c) \, Cosh[4 \, x] + (a + b + c) \, Cosh[4 \, x] + (a + b + c) \, Cosh[4 \, x] + (a + b + c) \, Cosh[4 \, x] + (a + b + c) \, Cosh[4 \, x] + (a + b + c) \, Cosh[4 \, x] + (a + b + c) \, Cosh[4 \, x] + (a + b + c) \, Cosh[4 \, x] + (a + b + c) \, Cosh[4 \, x] + (a + b + c) \, Cosh[4 \, x] + (a + b + c) \, Cosh[4 \, x] + (a + b + c) \, Cosh[4 \, x] + (a + b + c) \, Cosh[4 \, x] + (a + b + c) \, Cosh[4 \, x] + (a + b + c) \, Cosh[4 \, x] + (a + b + c) \, Cosh[4 \, x] + (a + b + c) \, Cosh[4 \, x] + (a + b + c) \, Cosh[4 \, x] + (a + b + c) \, Cosh[4 \, x] + (a + b + c) \, Cosh[4 \, x] + (a + b + c) \, Cosh[4 \, x] + (a + b + c) \, Cosh[4 \, x] + (a + b + c) \, Cosh[4 \, x] + (a + b + c) \, Cosh[4 \, x] + (a + b + c) \, Cosh[4 \, x] + (a + b + c) \, Cosh[4 \, x] + (a + b + c) \, Cosh[4 \, x] + (a + b + c) \, Cosh[4 \, x] + (a + b + c) \, Cosh[4 \, x] + (a + b + c) \, Cosh[4 \, x] + (a + b + c) \, Cosh[4 \, x] + (a + b + c) \, Cosh[4 \, x] + (a + b + c) \, Cosh[4 \, x] + (a + b + c) \, Cosh[4 \, x] + (a + b + c) \, Cosh[4 \, x] + (a + b + c) \, Cosh[4 \, x] + (a + b + c) \, Cosh[4 \, x] + (a + b + c) 
                     (3 a - b + 3 c - 4 (a - c) Cosh[2x] + (a + b + c) Cosh[4x])
                                                                                                                                                                                                               (1 + Cosh[2x])^2
                     Csch[x]
                        \left[ Log \left[ \sqrt{c} Tanh[x]^2 \right] - Log \left[ 2c + b Tanh[x]^2 + 2\sqrt{c} \sqrt{c + Tanh[x]^2 (b + a Tanh[x]^2)} \right] \right]
                     Sech[x]
                                                                                                                                                                                                                                                                                                  b Csch[x] 2 Sinh[2x]
                                                   \sqrt{3 a - b + 3 c - 4 (a - c) \cosh[2 x] + (a + b + c) \cosh[4 x]}
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c Csch[x]^2 Sinh[2x]
                                                          \sqrt{\,3\,\,a-b+3\,\,c-4\,\,(a-c)\,\,Cosh[\,2\,\,x\,]\,+\,(a}\,+b+c)\,\,Cosh[\,4\,\,x\,]
                                                                                                                                                                                     c Cosh[2x] Csch[x]^2 Sinh[2x]
                                                          \sqrt{3 a - b + 3 c - 4 (a - c) \cosh[2 x] + (a + b + c) \cosh[4 x]}
                            (2 (-4 a + 4 c) Sinh[2x] + 4 (a + b + c) Sinh[4x])
      \left( 16\,\sqrt{2}\,\,\sqrt{c}\,\,\left( b-c-c\,Cosh[\,2\,x]\,\right) \,\left( 3\,a-b+3\,c+\left( -4\,a+4\,c\right)\,Cosh[\,2\,x]\,+\left( a+b+c\right)\,Cosh[\,4\,x]\,\right)^{\,3/2} \right. \\ \left. \sqrt{\left( 3\,a-b+3\,c-4\,\left( a-c\right)\,Cosh[\,2\,x]\,+\left( a+b+c\right)\,Cosh[\,4\,x]\,\right)\,Csch[\,x]^{\,4}} \,\right) + \\ \left. \left( -4\,a+4\,c\right)\,Cosh[\,2\,x]\,+\left( a+b+c\right)\,Cosh[\,4\,x]\,\right) + \\ \left. \left( -4\,a+4\,c\right)\,Cosh[\,4\,x]\,\right) + \\ \left. \left( -4\,a+4\,c\right)\,Cosh[\,2\,x]\,+\left( a+b+c\right)\,Cosh[\,4\,x]\,\right) + \\ \left. \left( -4\,a+4\,c\right)\,Cosh[\,4\,x]\,\right) + \\ \left
c \, Cosh[2 \, x] \, (3 \, a - b + 3 \, c - 4 \, (a - c) \, Cosh[2 \, x] + (a + b + c) \, Cosh[4 \, x])
                              \left(2\; a\; \sqrt{3\; a\; -\; b\; +\; 3\; c\; -\; 4\; a\; Cosh\left[\,2\; x\,\right]\; +\; 4\; c\; Cosh\left[\,2\; x\,\right]\; +\; a\; Cosh\left[\,4\; x\,\right]\; +\; b\; Cosh\left[\,4\; x\,\right]\; +\; c\; Cosh\left[\,4\; x\,\right]\; +\; c\;
                                                      2 b \sqrt{3 a - b + 3 c - 4 a Cosh[2 x] + 4 c Cosh[2 x] + a Cosh[4 x] + b Cosh[4 x] + c Cosh[4 x]} + c Cosh[4 x]
                                                      2\ c\ \sqrt{3\ a-b+3\ c-4\ a\ Cosh[2\ x]\ +4\ c\ Cosh[2\ x]\ +a\ Cosh[4\ x]\ +b\ Cosh[4\ x]\ +c\ Cosh[4\ x]\ }}
                            \sqrt{\left(\frac{1}{a+b+c}\left(-2\,b-4\,c+\sqrt{2}\,\sqrt{\left(2\,b^2-8\,a\,c+a\,\left(3\,a-b+3\,c-4\,a\,Cosh[\,2\,x]\right.\right.+4\,c\,Cosh[\,2\,x]\right.\right.+a\,Cosh[\,4\,x]\right.+b\,Cosh[\,4\,x]}
                                                                                                                                                                                         c \, Cosh[4\,x]) + b \, (3 \, a - b + 3 \, c - 4 \, a \, Cosh[2\,x] + 4 \, c \, Cosh[2\,x] + a \, Cosh[4\,x] + b \, Cosh[4\,x] + c \, Cosh[4\,x]) + c \, Cosh[4\,x] + c \, Cosh[4\,x]) + c \, Cosh[4\,x] + c \, Cosh
                                                                                                                                                  c (3 a - b + 3 c - 4 a Cosh[2 x] + 4 c Cosh[2 x] + a Cosh[4 x] + b Cosh[4 x] + c Cosh[4 x]))
                                                                                                                                            -\frac{\text{ArcTanh}\Big[\,\frac{\sqrt{3\,\text{a-b+3}\,\text{c-4}\,\text{a}\,\text{Cosh}[2\,\text{x}]+4\,\text{c}\,\text{Cosh}[2\,\text{x}]+\text{a}\,\text{Cosh}[4\,\text{x}]+\text{b}\,\text{Cosh}[4\,\text{x}]+\text{c}\,\text{Cosh}[4\,\text{x}]}}{2\,\sqrt{\text{c}}}\,\Big]}{2\,\sqrt{\text{c}}}
                            Csch[x]^2
                                                  \frac{1}{2\sqrt{c}}\operatorname{ArcTanh}\left[\left((b+2c)\sqrt{3a-b+3c-4a}\operatorname{Cosh}[2x]+4c}\operatorname{Cosh}[2x]+a\operatorname{Cosh}[4x]+b\operatorname{Cosh}[4x]+c\operatorname{Cosh}[4x]\right)\right]
                                                                                                 \left(2\,\sqrt{c}\,\,\sqrt{\,\left(2\,b^2\,-\,8\,a\,c\,+\,a\,\left(3\,a\,-\,b\,+\,3\,c\,-\,4\,a\,Cosh[\,2\,x\,]\,+\,4\,c\,Cosh[\,2\,x\,]\,+\,a\,Cosh[\,4\,x\,]\,+\,b\,Cosh[\,4\,x\,]\,+\,c\,Cosh[\,4\,x\,]\,\right)}\,+\,2\,Cosh[\,4\,x]\,\right)\,+\,2\,Cosh[\,4\,x]\,+\,2\,Cosh[\,4\,x]\,+\,2\,Cosh[\,4\,x]\,+\,2\,Cosh[\,4\,x]\,+\,2\,Cosh[\,4\,x]\,+\,2\,Cosh[\,4\,x]\,+\,2\,Cosh[\,4\,x]\,+\,2\,Cosh[\,4\,x]\,+\,2\,Cosh[\,4\,x]\,+\,2\,Cosh[\,4\,x]\,+\,2\,Cosh[\,4\,x]\,+\,2\,Cosh[\,4\,x]\,+\,2\,Cosh[\,4\,x]\,+\,2\,Cosh[\,4\,x]\,+\,2\,Cosh[\,4\,x]\,+\,2\,Cosh[\,4\,x]\,+\,2\,Cosh[\,4\,x]\,+\,2\,Cosh[\,4\,x]\,+\,2\,Cosh[\,4\,x]\,+\,2\,Cosh[\,4\,x]\,+\,2\,Cosh[\,4\,x]\,+\,2\,Cosh[\,4\,x]\,+\,2\,Cosh[\,4\,x]\,+\,2\,Cosh[\,4\,x]\,+\,2\,Cosh[\,4\,x]\,+\,2\,Cosh[\,4\,x]\,+\,2\,Cosh[\,4\,x]\,+\,2\,Cosh[\,4\,x]\,+\,2\,Cosh[\,4\,x]\,+\,2\,Cosh[\,4\,x]\,+\,2\,Cosh[\,4\,x]\,+\,2\,Cosh[\,4\,x]\,+\,2\,Cosh[\,4\,x]\,+\,2\,Cosh[\,4\,x]\,+\,2\,Cosh[\,4\,x]\,+\,2\,Cosh[\,4\,x]\,+\,2\,Cosh[\,4\,x]\,+\,2\,Cosh[\,4\,x]\,+\,2\,Cosh[\,4\,x]\,+\,2\,Cosh[\,4\,x]\,+\,2\,Cosh[\,4\,x]\,+\,2\,Cosh[\,4\,x]\,+\,2\,Cosh[\,4\,x]\,+\,2\,Cosh[\,4\,x]\,+\,2\,Cosh[\,4\,x]\,+\,2\,Cosh[\,4\,x]\,+\,2\,Cosh[\,4\,x]\,+\,2\,Cosh[\,4\,x]\,+\,2\,Cosh[\,4\,x]\,+\,2\,Cosh[\,4\,x]\,+\,2\,Cosh[\,4\,x]\,+\,2\,Cosh[\,4\,x]\,+\,2\,Cosh[\,4\,x]\,+\,2\,Cosh[\,4\,x]\,+\,2\,Cosh[\,4\,x]\,+\,2\,Cosh[\,4\,x]\,+\,2\,Cosh[\,4\,x]\,+\,2\,Cosh[\,4\,x]\,+\,2\,Cosh[\,4\,x]\,+\,2\,Cosh[\,4\,x]\,+\,2\,Cosh[\,4\,x]\,+\,2\,Cosh[\,4\,x]\,+\,2\,Cosh[\,4\,x]\,+\,2\,Cosh[\,4\,x]\,+\,2\,Cosh[\,4\,x]\,+\,2\,Cosh[\,4\,x]\,+\,2\,Cosh[\,4\,x]\,+\,2\,Cosh[\,4\,x]\,+\,2\,Cosh[\,4\,x]\,+\,2\,Cosh[\,4\,x]\,+\,2\,Cosh[\,4\,x]\,+\,2\,Cosh[\,4\,x]\,+\,2\,Cosh[\,4\,x]\,+\,2\,Cosh[\,4\,x]\,+\,2\,Cosh[\,4\,x]\,+\,2\,Cosh[\,4\,x]\,+\,2\,Cosh[\,4\,x]\,+\,2\,Cosh[\,4\,x]\,+\,2\,Cosh[\,4\,x]\,+\,2\,Cosh[\,4\,x]\,+\,2\,Cosh[\,4\,x]\,+\,2\,Cosh[\,4\,x]\,+\,2\,Cosh[\,4\,x]\,+\,2\,Cosh[\,4\,x]\,+\,2\,Cosh[\,4\,x]\,+\,2\,Cosh[\,4\,x]\,+\,2\,Cosh[\,4\,x]\,+\,2\,Cosh[\,4\,x]\,+\,2\,Cosh[\,4\,x]\,+\,2\,Cosh[\,4\,x]\,+\,2\,Cosh[\,4\,x]\,+\,2\,Cosh[\,4\,x]\,+\,2\,Cosh[\,4\,x]\,+\,2\,Cosh[\,4\,x]\,+\,2\,Cosh[\,4\,x]\,+\,2\,Cosh[\,4\,x]\,+\,2\,Cosh[\,4\,x]\,+\,2\,Cosh[\,4\,x]\,+\,2\,Cosh[\,4\,x]\,+\,2\,Cosh[\,4\,x]\,+\,2\,Cosh[\,4\,x]\,+\,2\,Cosh[\,4\,x]\,+\,2\,Cosh[\,4\,x]\,+\,2\,Cosh[\,4\,x]\,+\,2\,Cosh[\,4\,x]\,+\,2\,Cosh[\,4\,x]\,+\,2\,Cosh[\,4\,x]\,+\,2\,Cosh[\,4\,x]\,+\,2\,Cosh[\,4\,x]\,+\,2\,Cosh[\,4\,x]\,+\,2\,Cosh[\,4\,x]\,+\,2\,Cosh[\,4\,x]\,+\,2\,Cosh[\,4\,x]\,+\,2\,Cosh[\,4\,x]\,+\,2\,Cosh[\,4\,x]\,+\,2\,Cosh[\,4\,x]\,+\,2\,Cosh[\,4\,x]\,+\,2\,Cosh[\,4\,x]\,+\,2\,Cosh[\,4\,x]\,+\,2\,Cosh[\,4\,x]\,+\,2\,Cosh[\,4\,x]\,+\,2\,Cosh[\,4\,x]\,+\,2\,Cosh[\,4\,x]\,+\,2\,Cosh[\,4\,x]\,+\,2\,Cosh[\,4\,x]\,+\,2\,Cosh[\,4\,x]
                                                                                                                                                                 b \; (3 \; a \; -b \; + \; 3 \; c \; -4 \; a \; Cosh[\; 2 \; x] \; + \; 4 \; c \; Cosh[\; 2 \; x] \; + \; a \; Cosh[\; 4 \; x] \; + \; b \; Cosh[\; 4 \; x] \; + \; c \; Cosh[\; 4 \; x] \; ) \; + \; b \; Cosh[\; 4 \; x] \; + \; b \; Cosh[\; 4 \; x] \; + \; b \; Cosh[\; 4 \; x] \; + \; b \; Cosh[\; 4 \; x] \; + \; b \; Cosh[\; 4 \; x] \; + \; b \; Cosh[\; 4 \; x] \; + \; b \; Cosh[\; 4 \; x] \; + \; b \; Cosh[\; 4 \; x] \; + \; b \; Cosh[\; 4 \; x] \; + \; b \; Cosh[\; 4 \; x] \; + \; b \; Cosh[\; 4 \; x] \; + \; b \; Cosh[\; 4 \; x] \; + \; b \; Cosh[\; 4 \; x] \; + \; b \; Cosh[\; 4 \; x] \; + \; b \; Cosh[\; 4 \; x] \; + \; b \; Cosh[\; 4 \; x] \; + \; b \; Cosh[\; 4 \; x] \; + \; b \; Cosh[\; 4 \; x] \; + \; b \; Cosh[\; 4 \; x] \; + \; b \; Cosh[\; 4 \; x] \; + \; b \; Cosh[\; 4 \; x] \; + \; b \; Cosh[\; 4 \; x] \; + \; b \; Cosh[\; 4 \; x] \; + \; b \; Cosh[\; 4 \; x] \; + \; b \; Cosh[\; 4 \; x] \; + \; b \; Cosh[\; 4 \; x] \; + \; b \; Cosh[\; 4 \; x] \; + \; b \; Cosh[\; 4 \; x] \; + \; b \; Cosh[\; 4 \; x] \; + \; b \; Cosh[\; 4 \; x] \; + \; b \; Cosh[\; 4 \; x] \; + \; b \; Cosh[\; 4 \; x] \; + \; b \; Cosh[\; 4 \; x] \; + \; b \; Cosh[\; 4 \; x] \; + \; b \; Cosh[\; 4 \; x] \; + \; b \; Cosh[\; 4 \; x] \; + \; b \; Cosh[\; 4 \; x] \; + \; b \; Cosh[\; 4 \; x] \; + \; b \; Cosh[\; 4 \; x] \; + \; b \; Cosh[\; 4 \; x] \; + \; b \; Cosh[\; 4 \; x] \; + \; b \; Cosh[\; 4 \; x] \; + \; b \; Cosh[\; 4 \; x] \; + \; b \; Cosh[\; 4 \; x] \; + \; b \; Cosh[\; 4 \; x] \; + \; b \; Cosh[\; 4 \; x] \; + \; b \; Cosh[\; 4 \; x] \; + \; b \; Cosh[\; 4 \; x] \; + \; b \; Cosh[\; 4 \; x] \; + \; b \; Cosh[\; 4 \; x] \; + \; b \; Cosh[\; 4 \; x] \; + \; b \; Cosh[\; 4 \; x] \; + \; b \; Cosh[\; 4 \; x] \; + \; b \; Cosh[\; 4 \; x] \; + \; b \; Cosh[\; 4 \; x] \; + \; b \; Cosh[\; 4 \; x] \; + \; b \; Cosh[\; 4 \; x] \; + \; b \; Cosh[\; 4 \; x] \; + \; b \; Cosh[\; 4 \; x] \; + \; b \; Cosh[\; 4 \; x] \; + \; b \; Cosh[\; 4 \; x] \; + \; b \; Cosh[\; 4 \; x] \; + \; b \; Cosh[\; 4 \; x] \; + \; b \; Cosh[\; 4 \; x] \; + \; b \; Cosh[\; 4 \; x] \; + \; b \; Cosh[\; 4 \; x] \; + \; b \; Cosh[\; 4 \; x] \; + \; b \; Cosh[\; 4 \; x] \; + \; b \; Cosh[\; 4 \; x] \; + \; b \; Cosh[\; 4 \; x] \; + \; b \; Cosh[\; 4 \; x] \; + \; b \; Cosh[\; 4 \; x] \; + \; b \; Cosh[\; 4 \; x] \; + \; b \; Cosh[\; 4 \; x] \; + \; b \; Cosh[\; 4 \; x] \; + \; b \; Cosh[\; 4 \; x] \; + \; b \; Cosh[\; 4 \; x] \; + \; b \; Cosh[\; 4 \; x] \; + \; b \; Cosh[
                                                                                                                                                               c(3a-b+3c-4aCosh[2x]+4cCosh[2x]+aCosh[4x]+bCosh[4x]+cCosh[4x])))
                                                      \frac{1}{\sqrt{a+b+c}} \text{Log} \Big[ 2 \Big( a \sqrt{3 a-b+3 c-4 a \cosh[2 x]+4 c \cosh[2 x]+a \cosh[4 x]+b \cosh[4 x]+c \cosh[4 x]} + \frac{1}{\sqrt{a+b+c}} \Big] \Big] \Big[ 2 \Big( a \sqrt{3 a-b+3 c-4 a \cosh[2 x]+4 c \cosh[2 x]+a \cosh[4 x]+b \cosh[4 x]} + \frac{1}{\sqrt{a+b+c}} \Big) \Big] \Big] \Big[ 2 \Big( a \sqrt{3 a-b+3 c-4 a \cosh[2 x]+a \cosh[2 x]+a \cosh[4 x]+b \cosh[4
                                                                                                                        b\sqrt{3}a - b + 3c - 4a Cosh[2x] + 4c Cosh[2x] + a Cosh[4x] + b Cosh[4x] + c Cosh[4x] + c Cosh[4x]
                                                                                                                         c\sqrt{3}a-b+3c-4a Cosh[2x]+4c Cosh[2x]+a Cosh[4x]+b Cosh[4x]+c Cosh[4x]+\sqrt{a+b+c}
                                                                                                                                       \sqrt{\left(2\,b^2-8\,a\,c+a\,\left(3\,a-b+3\,c-4\,a\,Cosh[2\,x]+4\,c\,Cosh[2\,x]+a\,Cosh[4\,x]+b\,Cosh[4\,x]+c\,Cosh[4\,x]\right)}+\\
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b (3 a - b + 3 c - 4 a Cosh[2x] + 4 c Cosh[2x] + a Cosh[4x] + b Cosh[4x] + c Cosh[4x])
                                                                                                                                                            \texttt{c} \; \left( \; 3 \; \texttt{a} \; - \; \texttt{b} \; + \; 3 \; \texttt{c} \; - \; 4 \; \texttt{a} \; \texttt{Cosh}[\; 2 \; \texttt{x}] \; + \; 4 \; \texttt{c} \; \texttt{Cosh}[\; 2 \; \texttt{x}] \; + \; \texttt{a} \; \texttt{Cosh}[\; 4 \; \texttt{x}] \; + \; \texttt{b} \; \texttt{Cosh}[\; 4 \; \texttt{x}] \; + \; \texttt{c} \; \texttt{Cosh}[\; 4 \; \texttt{x}] \; \right) \; \right) \; \\
                                                                                                                                                                                                                                        b \operatorname{Csch}[x]^2 \operatorname{Sinh}[2x]
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       c \operatorname{Csch}[x]^2 \operatorname{Sinh}[2x]
                                \sqrt{3 a - b + 3 c - 4 (a - c) \cosh[2 x] + (a + b + c) \cosh[4 x]}
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             \sqrt{3 a - b + 3 c - 4 (a - c) \cosh[2 x] + (a + b + c) \cosh[4 x]}
                                                                                                                                                                                 c Cosh[2x] Csch[x]^2 Sinh[2x]
                                    \sqrt{3 a - b + 3 c - 4 (a - c) \cosh[2 x] + (a + b + c) \cosh[4 x]}
      (-4 \text{ a Sinh}[2 \text{ x}] + 4 \text{ c Sinh}[2 \text{ x}] + 2 \text{ a Sinh}[4 \text{ x}] + 2 \text{ b Sinh}[4 \text{ x}] + 2 \text{ c Sinh}[4 \text{ x}])
    (a (-8 a Sinh[2x] + 8 c Sinh[2x] + 4 a Sinh[4x] + 4 b Sinh[4x] + 4 c Sinh[4x]) +
                            b (-8 a Sinh[2x] + 8 c Sinh[2x] + 4 a Sinh[4x] + 4 b Sinh[4x] + 4 c Sinh[4x]) +
                             \texttt{c} \; (-8 \; \texttt{a} \; \texttt{Sinh} \; [\; 2 \; \texttt{x}\;] \; + \; \; \\ \texttt{d} \; \texttt{c} \; \texttt{Sinh} \; [\; 2 \; \texttt{x}\;] \; + \; \; \; \\ \texttt{d} \; \texttt{a} \; \texttt{Sinh} \; [\; 4 \; \texttt{x}\;] \; + \; \; \; \; \\ \texttt{d} \; \texttt{c} \; \texttt{Sinh} \; [\; 4 \; \texttt{x}\;] \; + \; \; \; \\ \texttt{d} \; \texttt{c} \; \texttt{Sinh} \; [\; 4 \; \texttt{x}\;] \; + \; \; \; \\ \texttt{d} \; \texttt{c} \; \texttt{Sinh} \; [\; 4 \; \texttt{x}\;] \; + \; \; \; \\ \texttt{d} \; \texttt{c} \; \texttt{Sinh} \; [\; 4 \; \texttt{x}\;] \; + \; \; \\ \texttt{d} \; \texttt{c} \; \texttt{Sinh} \; [\; 4 \; \texttt{x}\;] \; + \; \; \\ \texttt{d} \; \texttt{c} \; \texttt{Sinh} \; [\; 4 \; \texttt{x}\;] \; + \; \; \\ \texttt{d} \; \texttt{c} \; \texttt{Sinh} \; [\; 4 \; \texttt{x}\;] \; + \; \; \\ \texttt{d} \; \texttt{c} \; \texttt{Sinh} \; [\; 4 \; \texttt{x}\;] \; + \; \; \\ \texttt{d} \; \texttt{c} \; \texttt{Sinh} \; [\; 4 \; \texttt{x}\;] \; + \; \; \\ \texttt{d} \; \texttt{c} \; \texttt{Sinh} \; [\; 4 \; \texttt{x}\;] \; + \; \; \\ \texttt{d} \; \texttt{c} \; \texttt{Sinh} \; [\; 4 \; \texttt{x}\;] \; + \; \; \\ \texttt{d} \; \texttt{c} \; \texttt{
      (b-c-c \, Cosh[2 \, x]) \, \sqrt{3} \, a-b+3 \, c-4 \, a \, Cosh[2 \, x]+4 \, c \, Cosh[2 \, x]+a \, Cosh[4 \, x]+b \, Cosh[4 \, x]+c \, Cosh[4 
  (2b^2 - 8ac + a(3a - b + 3c - 4aCosh[2x] + 4cCosh[2x] + aCosh[4x] + bCosh[4x] + cCosh[4x]) + aCosh[4x] + bCosh[4x] + bCosh[4
                           \texttt{b} \; ( \; 3 \; \texttt{a} \; - \; \texttt{b} \; + \; 3 \; \texttt{c} \; - \; 4 \; \texttt{a} \; \texttt{Cosh}[ \; 2 \; \texttt{x} ] \; + \; 4 \; \texttt{c} \; \texttt{Cosh}[ \; 2 \; \texttt{x} ] \; + \; \texttt{a} \; \texttt{Cosh}[ \; 4 \; \texttt{x} ] \; + \; \texttt{b} \; \texttt{Cosh}[ \; 4 \; \texttt{x} ] \; + \; \texttt{c} \; \texttt{Cosh}[ \; 4 \; \texttt{x} ] \; ) \; + \; \texttt{cosh}[ \; 4 \; \texttt{x} ] \; + \; \texttt{cosh}[ \; 4 \; \texttt{x} ] \; + \; \texttt{cosh}[ \; 4 \; \texttt{x} ] \; ) \; + \; \texttt{cosh}[ \; 4 \; \texttt{x} ] \; + \; \texttt{cosh}[ \; 4 \; \texttt{x} ] \; + \; \texttt{cosh}[ \; 4 \; \texttt{x} ] \; + \; \texttt{cosh}[ \; 4 \; \texttt{x} ] \; + \; \texttt{cosh}[ \; 4 \; \texttt{x} ] \; ) \; + \; \texttt{cosh}[ \; 4 \; \texttt{x} ] \; + \; \texttt{cosh}[ \; 4 \; \texttt{x} ] \; + \; \texttt{cosh}[ \; 4 \; \texttt{x} ] \; + \; \texttt{cosh}[ \; 4 \; \texttt{x} ] \; ) \; + \; \texttt{cosh}[ \; 4 \; \texttt{x} ] \; + \; \texttt{cosh}[ \; 4 \; \texttt{x} ] \; + \; \texttt{cosh}[ \; 4 \; \texttt{x} ] \; + \; \texttt{cosh}[ \; 4 \; \texttt{x} ] \; + \; \texttt{cosh}[ \; 4 \; \texttt{x} ] \; + \; \texttt{cosh}[ \; 4 \; \texttt{x} ] \; ) \; + \; \texttt{cosh}[ \; 4 \; \texttt{x} ] \; + \; \texttt{cosh}[ \; 4 \; \texttt{x} ] \; + \; \texttt{cosh}[ \; 4 \; \texttt{x} ] \; + \; \texttt{cosh}[ \; 4 \; \texttt{x} ] \; + \; \texttt{cosh}[ \; 4 \; \texttt{x} ] \; + \; \texttt{cosh}[ \; 4 \; \texttt{x} ] \; + \; \texttt{cosh}[ \; 4 \; \texttt{x} ] \; + \; \texttt{cosh}[ \; 4 \; \texttt{x} ] \; + \; \texttt{cosh}[ \; 4 \; \texttt{x} ] \; + \; \texttt{cosh}[ \; 4 \; \texttt{x} ] \; + \; \texttt{cosh}[ \; 4 \; \texttt{x} ] \; + \; \texttt{cosh}[ \; 4 \; \texttt{x} ] \; + \; \texttt{cosh}[ \; 4 \; \texttt{x} ] \; + \; \texttt{cosh}[ \; 4 \; \texttt{x} ] \; + \; \texttt{cosh}[ \; 4 \; \texttt{x} ] \; + \; \texttt{cosh}[ \; 4 \; \texttt{x} ] \; + \; \texttt{cosh}[ \; 4 \; \texttt{x} ] \; + \; \texttt{cosh}[ \; 4 \; \texttt{x} ] \; + \; \texttt{cosh}[ \; 4 \; \texttt{x} ] \; + \; \texttt{cosh}[ \; 4 \; \texttt{x} ] \; + \; \texttt{cosh}[ \; 4 \; \texttt{x} ] \; + \; \texttt{cosh}[ \; 4 \; \texttt{x} ] \; + \; \texttt{cosh}[ \; 4 \; \texttt{x} ] \; + \; \texttt{cosh}[ \; 4 \; \texttt{x} ] \; + \; \texttt{cosh}[ \; 4 \; \texttt{x} ] \; + \; \texttt{cosh}[ \; 4 \; \texttt{x} ] \; + \; \texttt{cosh}[ \; 4 \; \texttt{x} ] \; + \; \texttt{cosh}[ \; 4 \; \texttt{x} ] \; + \; \texttt{cosh}[ \; 4 \; \texttt{x} ] \; + \; \texttt{cosh}[ \; 4 \; \texttt{x} ] \; + \; \texttt{cosh}[ \; 4 \; \texttt{x} ] \; + \; \texttt{cosh}[ \; 4 \; \texttt{x} ] \; + \; \texttt{cosh}[ \; 4 \; \texttt{x} ] \; + \; \texttt{cosh}[ \; 4 \; \texttt{x} ] \; + \; \texttt{cosh}[ \; 4 \; \texttt{x} ] \; + \; \texttt{cosh}[ \; 4 \; \texttt{x} ] \; + \; \texttt{cosh}[ \; 4 \; \texttt{x} ] \; + \; \texttt{cosh}[ \; 4 \; \texttt{x} ] \; + \; \texttt{cosh}[ \; 4 \; \texttt{x} ] \; + \; \texttt{cosh}[ \; 4 \; \texttt{x} ] \; + \; \texttt{cosh}[ \; 4 \; \texttt{x} ] \; + \; \texttt{cosh}[ \; 4 \; \texttt{x} ] \; + \; \texttt{cosh}[ \; 4 \; \texttt{x} ] \; + \; \texttt{cosh}[ \; 4 \; \texttt{x} ] \; + \; \texttt{cosh}[ \; 4 \; \texttt{x} ] \; + \; \texttt{cosh}[ \; 4 \; \texttt{x} ] \; 
                            c(3a-b+3c-4aCosh[2x]+4cCosh[2x]+aCosh[4x]+bCosh[4x]+cCosh[4x])
  \sqrt{\left(\frac{1}{a+b+c}\left(4\,a+2\,b+\sqrt{2}\,\sqrt{\left(2\,b^2-8\,a\,c+a\,\left(3\,a-b+3\,c-4\,a\,Cosh[2\,x]+4\,c\,Cosh[2\,x]+a\,Cosh[4\,x]+b\,Cosh[4\,x]\right)\right)}\right)}
                                                                                                                                                                         c \cosh[4x]) + b (3 a - b + 3 c - 4 a \cosh[2x] + 4 c \cosh[2x] + a \cosh[4x] + b \cosh[4x] + c \cosh[4x]) +
                                                                                                                               c(3a-b+3c-4aCosh[2x]+4cCosh[2x]+aCosh[4x]+bCosh[4x]+cCosh[4x]))
       \texttt{b} \; (\texttt{3} \; \texttt{a} \; - \; \texttt{b} \; + \; \texttt{3} \; \texttt{c} \; - \; \texttt{4} \; \texttt{a} \; \texttt{Cosh} [\; 2 \; \texttt{x}\;] \; + \; \texttt{4} \; \texttt{c} \; \texttt{Cosh} [\; 2 \; \texttt{x}\;] \; + \; \texttt{a} \; \texttt{Cosh} [\; 4 \; \texttt{x}\;] \; + \; \texttt{b} \; \texttt{Cosh} [\; 4 \; \texttt{x}\;] \; + \; \texttt{c} \; \texttt{Cosh} [\; 4 \; \texttt{x}\;] \; ) \; + \; \texttt{cosh} [\; 4 \; \texttt{x}\;] \; ) \; + \; \texttt{cosh} [\; 4 \; \texttt{x}\;] \; ) \; + \; \texttt{cosh} [\; 4 \; \texttt{x}\;] \; ) \; + \; \texttt{cosh} [\; 4 \; \texttt{x}\;] \; ) \; + \; \texttt{cosh} [\; 4 \; \texttt{x}\;] \; ) \; + \; \texttt{cosh} [\; 4 \; \texttt{x}\;] \; ) \; + \; \texttt{cosh} [\; 4 \; \texttt{x}\;] \; ) \; + \; \texttt{cosh} [\; 4 \; \texttt{x}\;] \; ) \; + \; \texttt{cosh} [\; 4 \; \texttt{x}\;] \; ) \; + \; \texttt{cosh} [\; 4 \; \texttt{x}\;] \; ) \; + \; \texttt{cosh} [\; 4 \; \texttt{x}\;] \; ) \; + \; \texttt{cosh} [\; 4 \; \texttt{x}\;] \; ) \; + \; \texttt{cosh} [\; 4 \; \texttt{x}\;] \; ) \; + \; \texttt{cosh} [\; 4 \; \texttt{x}\;] \; ) \; + \; \texttt{cosh} [\; 4 \; \texttt{x}\;] \; ) \; + \; \texttt{cosh} [\; 4 \; \texttt{x}\;] \; ) \; + \; \texttt{cosh} [\; 4 \; \texttt{x}\;] \; ) \; + \; \texttt{cosh} [\; 4 \; \texttt{x}\;] \; ) \; + \; \texttt{cosh} [\; 4 \; \texttt{x}\;] \; ) \; + \; \texttt{cosh} [\; 4 \; \texttt{x}\;] \; ) \; + \; \texttt{cosh} [\; 4 \; \texttt{x}\;] \; ) \; + \; \texttt{cosh} [\; 4 \; \texttt{x}\;] \; ) \; + \; \texttt{cosh} [\; 4 \; \texttt{x}\;] \; ) \; + \; \texttt{cosh} [\; 4 \; \texttt{x}\;] \; ) \; + \; \texttt{cosh} [\; 4 \; \texttt{x}\;] \; ) \; + \; \texttt{cosh} [\; 4 \; \texttt{x}\;] \; ) \; + \; \texttt{cosh} [\; 4 \; \texttt{x}\;] \; ) \; + \; \texttt{cosh} [\; 4 \; \texttt{x}\;] \; ) \; + \; \texttt{cosh} [\; 4 \; \texttt{x}\;] \; ) \; + \; \texttt{cosh} [\; 4 \; \texttt{x}\;] \; ) \; + \; \texttt{cosh} [\; 4 \; \texttt{x}\;] \; ) \; + \; \texttt{cosh} [\; 4 \; \texttt{x}\;] \; ) \; + \; \texttt{cosh} [\; 4 \; \texttt{x}\;] \; ) \; + \; \texttt{cosh} [\; 4 \; \texttt{x}\;] \; ) \; + \; \texttt{cosh} [\; 4 \; \texttt{x}\;] \; ) \; + \; \texttt{cosh} [\; 4 \; \texttt{x}\;] \; ) \; + \; \texttt{cosh} [\; 4 \; \texttt{x}\;] \; ) \; + \; \texttt{cosh} [\; 4 \; \texttt{x}\;] \; ) \; + \; \texttt{cosh} [\; 4 \; \texttt{x}\;] \; ) \; + \; \texttt{cosh} [\; 4 \; \texttt{x}\;] \; ) \; + \; \texttt{cosh} [\; 4 \; \texttt{x}\;] \; ) \; + \; \texttt{cosh} [\; 4 \; \texttt{x}\;] \; ) \; + \; \texttt{cosh} [\; 4 \; \texttt{x}\;] \; ) \; + \; \texttt{cosh} [\; 4 \; \texttt{x}\;] \; ) \; + \; \texttt{cosh} [\; 4 \; \texttt{x}\;] \; ) \; + \; \texttt{cosh} [\; 4 \; \texttt{x}\;] \; ) \; + \; \texttt{cosh} [\; 4 \; \texttt{x}\;] \; ) \; + \; \texttt{cosh} [\; 4 \; \texttt{x}\;] \; ) \; + \; \texttt{cosh} [\; 4 \; \texttt{x}\;] \; ) \; + \; \texttt{cosh} [\; 4 \; \texttt{x}\;] \; ) \; + \; \texttt{cosh} [\; 4 \; \texttt{x}\;] \; ) \; + \; \texttt{cosh} [\; 4 \; \texttt{x}\;] \; ) \; + \; \texttt{cosh} [\; 4 \; \texttt{x}\;] \; ) \; + \; \texttt{cosh} [\; 4 \; \texttt{x}\;] \; ) \; + \; \texttt{cosh} [\; 4 \; \texttt{x}\;] \; ) \; + \; \texttt{cosh} [\; 4 \; \texttt{x}\;] \; ) \; + \; \texttt{c
                                                                                    c(3a-b+3c-4aCosh[2x]+4cCosh[2x]+aCosh[4x]+bCosh[4x]+cCosh[4x]))
\sqrt{\left[-1 + \frac{1}{2(a+b+c)} \left(2a-2c+\sqrt{2}\sqrt{2b^2-8ac+a(3a-b+3c-4a\cosh[2x]+4c\cosh[2x]+a\cosh[4x]+a\cosh[4x]+a\cosh[4x]+a\cosh[4x]+a\cosh[4x]+a\cosh[4x]+a\cosh[4x]+a\cosh[4x]+a\cosh[4x]+a\cosh[4x]+a\cosh[4x]+a\cosh[4x]+a\cosh[4x]+a\cosh[4x]+a\cosh[4x]+a\cosh[4x]+a\cosh[4x]+a\cosh[4x]+a\cosh[4x]+a\cosh[4x]+a\cosh[4x]+a\cosh[4x]+a\cosh[4x]+a\cosh[4x]+a\cosh[4x]+a\cosh[4x]+a\cosh[4x]+a\cosh[4x]+a\cosh[4x]+a\cosh[4x]+a\cosh[4x]+a\cosh[4x]+a\cosh[4x]+ah[4x]+ah[4x]+ah[4x]+ah[4x]+ah[4x]+ah[4x]+ah[4x]+ah[4x]+ah[4x]+ah[4x]+ah[4x]+ah[4x]+ah[4x]+ah[4x]+ah[4x]+ah[4x]+ah[4x]+ah[4x]+ah[4x]+ah[4x]+ah[4x]+ah[4x]+ah[4x]+ah[4x]+ah[4x]+ah[4x]+ah[4x]+ah[4x]+ah[4x]+ah[4x]+ah[4x]+ah[4x]+ah[4x]+ah[4x]+ah[4x]+ah[4x]+ah[4x]+ah[4x]+ah[4x]+ah[4x]+ah[4x]+ah[4x]+ah[4x]+ah[4x]+ah[4x]+ah[4x]+ah[4x]+ah[4x]+ah[4x]+ah[4x]+ah[4x]+ah[4x]+ah[4x]+ah[4x]+ah[4x]+ah[4x]+ah[4x]+ah[4x]+ah[4x]+ah[4x]+ah[4x]+ah[4x]+ah[4x]+ah[4x]+ah[4x]+ah[4x]+ah[4x]+ah[4x]+ah[4x]+ah[4x]+ah[4x]+ah[4x]+ah[4x]+ah[4x]+ah[4x]+ah[4x]+ah[4x]+ah[4x]+ah[4x]+ah[4x]+ah[4x]+ah[4x]+ah[4x]+ah[4x]+ah[4x]+ah[4x]+ah[4x]+ah[4x]+ah[4x]+ah[4x]+ah[4x]+ah[4x]+ah[4x]+ah[4x]+ah[4x]+ah[4x]+ah[4x]+ah[4x]+ah[4x]+ah[4x]+ah[4x]+ah[4x]+ah[4x]+ah[4x]+ah[4x]+ah[4x]+ah[4x]+ah[4x]+ah[4x]+ah[4x]+ah[4x]+ah[4x]+ah[4x]+ah[4x]+ah[4x]+ah[4x]+ah[4x]+ah[4x]+ah[4x]+ah[4x]+ah[4x]+ah[4x]+ah[4x]+ah[4x]+ah[4x]+ah[4x]+ah[4x]+ah[4x]+ah[4x]+ah[4x]+ah[4x]+ah[4x]+ah[4x]+ah[4x]+ah[4x]+ah[4x]+ah[4x]+ah[4x]+ah[4x]+ah[4x]+ah[4x]+ah[4x]+ah[4x]+ah[4x]+ah[4x]+ah[4x]+ah[4x]+ah[4x]+ah[4x]+ah[4x]+ah[4x]+ah[4x]+ah[4x]+ah[4x]+ah[4x]+ah[4x]+ah[4x]+ah[4x]+ah[4x]+ah[4x]+ah[4x]+ah[4x]+ah[4x]+ah[4x]+ah[4x]+ah[4x]+ah[4x]+ah[4x]+ah[4x]+ah[4x]+ah[4x]+ah[4x]+ah[4x]+ah[4x]+ah[4x]+ah[4x]+ah[4x]+ah[4x]+ah[4x]+ah[4x]+ah[4x]+ah[4x]+ah[4x]+ah[4x]+ah[4x]+ah[4x]+ah[4x]+ah[4x]+ah[4x]+ah[4x]+ah[4x]+ah[4x]+ah[4x]+ah[4x]+ah[4x]+ah[4x]+ah[4x]+ah[4x]+ah[4x]+ah[4x]+ah[4x]+ah[4x]+ah[4x]+ah[4x]+ah[4x]+ah[4x]+ah[4x]+ah[4x]+ah[4x]+ah[4x]+ah[4x]+ah[4x]+ah[4x]+ah[4x]+ah[4x]+ah[4x]+ah[4x]+ah[4x]+ah[4x]+ah[4x]+ah[4x]+ah[4x]+ah[4x]+ah[4x]+ah[4x]+ah[4x]+ah[4x]+ah[4x]+ah[4x]+ah[4x]+ah[4x]+ah[4x]+ah[4x]+ah[4x]+ah[4x]+ah[4x]+ah[4x]+ah[4x]+ah[4x]+ah[4x]+ah[4x]+ah[4x]+ah[4x]+ah[4x]+ah[4x]+ah[4x]+ah[4x]+ah[4x]+ah[4
                                                                                                                                                                                         b \, Cosh[4\,x] \, + c \, Cosh[4\,x] \, ) \, + b \, (3\,a - b + 3\,c - 4\,a \, Cosh[2\,x] \, + 4\,c \, Cosh[2\,x] \, + a \, Cosh[4\,x] \, + b \, Cosh[4\,x] \, +
                                                                                                                                                                                       c \cosh[4x] + c (3a - b + 3c - 4a \cosh[2x] + 4c \cosh[2x] + a \cosh[4x] + b \cosh[4x] + c \cosh[4x])
    \left[1 + \frac{1}{2(a+b+c)} \left(2a-2c+\sqrt{2}\sqrt{2b^2-8ac+a(3a-b+3c-4a\cosh[2x]+4c\cosh[2x]+a\cosh[4x]+b\cosh[4x]+b\cosh[4x]+b\cosh[4x]+b\cosh[4x]+b\cosh[4x]+b\cosh[4x]+b\cosh[4x]+b\cosh[4x]+b\cosh[4x]+b\cosh[4x]+b\cosh[4x]+b\cosh[4x]+b\cosh[4x]+b\cosh[4x]+b\cosh[4x]+b\cosh[4x]+b\cosh[4x]+b\cosh[4x]+b\cosh[4x]+b\cosh[4x]+b\cosh[4x]+b\cosh[4x]+b\cosh[4x]+b\cosh[4x]+b\cosh[4x]+b\cosh[4x]+b\cosh[4x]+b\cosh[4x]+b\cosh[4x]+b\cosh[4x]+b\cosh[4x]+b\cosh[4x]+b\cosh[4x]+b\cosh[4x]+b\cosh[4x]+b\cosh[4x]+b\cosh[4x]+b\cosh[4x]+b\cosh[4x]+b\cosh[4x]+b\cosh[4x]+b\cosh[4x]+b\cosh[4x]+b\cosh[4x]+b\cosh[4x]+b\cosh[4x]+b\cosh[4x]+b\cosh[4x]+b\cosh[4x]+b\cosh[4x]+b\cosh[4x]+b\cosh[4x]+b\cosh[4x]+b\cosh[4x]+b\cosh[4x]+bhanden + bhanden + bh
                                                                                                                                                                                         \verb|cCosh[4x]| + b(3a - b + 3c - 4aCosh[2x] + 4cCosh[2x] + aCosh[4x] + bCosh[4x] + cCosh[4x]) + ccosh[4x] + bCosh[4x] + bCosh[
```

c (3 a - b + 3 c - 4 a Cosh[2 x] + 4 c Cosh[2 x] + a Cosh[4 x] + b Cosh[4 x] + c Cosh[4 x]))

```
\sqrt{(3 a - b + 3 c - 4 (a - c) Cosh[2 x] + (a + b + c) Cosh[4 x]) Csch[x]}
   (3 a - b + 3 c - 4 (a - c) Cosh[2x] + (a + b + c) Cosh[4x])
        (2 \text{ a} \sqrt{3 \text{ a} - \text{b} + 3 \text{ c} - 4 \text{ a} \text{ Cosh}[2 \text{ x}] + 4 \text{ c} \text{ Cosh}[2 \text{ x}] + \text{a} \text{ Cosh}[4 \text{ x}] + \text{b} \text{ Cosh}[4 \text{ x}] + \text{c} \text{cosh}[4 \text{ x}] + \text
                        2 b \sqrt{3} a - b + 3 c - 4 a Cosh[2 x] + 4 c Cosh[2 x] + a Cosh[4 x] + b Cosh[4 x] + c Cosh[4 x] + c Cosh[4 x]
                        2 c \sqrt{3 a - b + 3 c - 4 a \cosh[2 x] + 4 c \cosh[2 x] + a \cosh[4 x] + b \cosh[4 x] + c \cosh[4 x]}
\sqrt{\left(\frac{1}{a+b+c}\left(-2\,b-4\,c+\sqrt{2}\,\sqrt{\left(2\,b^2-8\,a\,c+a\,\left(3\,a-b+3\,c-4\,a\,Cosh[2\,x]+4\,c\,Cosh[2\,x]+a\,Cosh[4\,x]+b\,Cosh[4\,x]\right.\right)}\right)}
                                                                                                                                                  \texttt{c} \; \texttt{Cosh[4\,x])} \; + \; \texttt{b} \; (3\;\texttt{a} \; - \; \texttt{b} \; + \; 3\;\texttt{c} \; - \; 4\;\texttt{a} \; \texttt{Cosh[2\,x]} \; + \; 4\;\texttt{c} \; \texttt{Cosh[2\,x]} \; + \; \texttt{a} \; \texttt{Cosh[4\,x]} \; + \; \texttt{b} \; \texttt{Cosh[4\,x]} \; + \; \texttt{c} \; \texttt{Cosh[4\,x]}) \; + \; \texttt{c} \; \texttt{cosh[4\,x]} \; + \; \texttt{cosh[4\,x]} \;
                                                                                                             c (3 a - b + 3 c - 4 a Cosh[2 x] + 4 c Cosh[2 x] + a Cosh[4 x] + b Cosh[4 x] + c Cosh[4 x]))
                                                                                                                -\frac{\text{ArcTanh}\Big[\frac{\sqrt{3\,a-b+3\,c-4\,a\,Cosh[\,2\,x\,]+4\,c\,Cosh[\,2\,x\,]+a\,Cosh[\,4\,x\,]+b\,Cosh[\,4\,x\,]+c\,Cosh[\,4\,x\,]}}{2\,\sqrt{c}}\Big]}{2\,\sqrt{c}}
Csch[x]^2
                      \frac{1}{2\sqrt{c}} \operatorname{ArcTanh} \left[ \left( (b+2c) \sqrt{3 a-b+3 c-4 a Cosh[2x]+4 c Cosh[2x]+a Cosh[4x]+b Cosh[4x]+c Cosh[4x]} \right. \right. \\ + \left. \left( (b+2c) \sqrt{3 a-b+3 c-4 a Cosh[2x]+4 c Cosh[2x]+a Cosh[4x]+b Cosh[4x]+b Cosh[4x]} \right) \right] \\ + \left( (b+2c) \sqrt{3 a-b+3 c-4 a Cosh[2x]+4 c Cosh[2x]+a Cosh[4x]+b Cosh[4x]+b Cosh[4x]} \right) \\ + \left( (b+2c) \sqrt{3 a-b+3 c-4 a Cosh[2x]+4 c Cosh[2x]+a Cosh[4x]+b Cosh[4x]+b Cosh[4x]+c Cosh[4x]+
                                                                2\sqrt{c}\sqrt{(2b^2-8ac+a(3a-b+3c-4aCosh[2x]+4cCosh[2x]+aCosh[4x]+bCosh[4x]+cCosh[4x])}
                                                                                                                           b \; (3 \; a \; -b \; + \; 3 \; c \; -4 \; a \; Cosh[\; 2 \; x] \; + \; 4 \; c \; Cosh[\; 2 \; x] \; + \; a \; Cosh[\; 4 \; x] \; + \; b \; Cosh[\; 4 \; x] \; + \; c \; Cosh[\; 4 \; x] \; ) \; + \; c \; Cosh[\; 4 \; x] \; ) \; + \; c \; Cosh[\; 4 \; x] \; ) \; + \; c \; Cosh[\; 4 \; x] \; ) \; + \; c \; Cosh[\; 4 \; x] \; ) \; + \; c \; Cosh[\; 4 \; x] \; ) \; + \; c \; Cosh[\; 4 \; x] \; ) \; + \; c \; Cosh[\; 4 \; x] \; ) \; + \; c \; Cosh[\; 4 \; x] \; ) \; + \; c \; Cosh[\; 4 \; x] \; ) \; + \; c \; Cosh[\; 4 \; x] \; ) \; + \; c \; Cosh[\; 4 \; x] \; ) \; + \; c \; Cosh[\; 4 \; x] \; ) \; + \; c \; Cosh[\; 4 \; x] \; ) \; + \; c \; Cosh[\; 4 \; x] \; ) \; + \; c \; Cosh[\; 4 \; x] \; ) \; + \; c \; Cosh[\; 4 \; x] \; ) \; + \; c \; Cosh[\; 4 \; x] \; ) \; + \; c \; Cosh[\; 4 \; x] \; ) \; + \; c \; Cosh[\; 4 \; x] \; ) \; + \; c \; Cosh[\; 4 \; x] \; ) \; + \; c \; Cosh[\; 4 \; x] \; ) \; + \; c \; Cosh[\; 4 \; x] \; ) \; + \; c \; Cosh[\; 4 \; x] \; ) \; + \; c \; Cosh[\; 4 \; x] \; ) \; + \; c \; Cosh[\; 4 \; x] \; ) \; + \; c \; Cosh[\; 4 \; x] \; ) \; + \; c \; Cosh[\; 4 \; x] \; ) \; + \; c \; Cosh[\; 4 \; x] \; ) \; + \; c \; Cosh[\; 4 \; x] \; ) \; + \; c \; Cosh[\; 4 \; x] \; ) \; + \; c \; Cosh[\; 4 \; x] \; ) \; + \; c \; Cosh[\; 4 \; x] \; ) \; + \; c \; Cosh[\; 4 \; x] \; ) \; + \; c \; Cosh[\; 4 \; x] \; ) \; + \; c \; Cosh[\; 4 \; x] \; ) \; + \; c \; Cosh[\; 4 \; x] \; ) \; + \; c \; Cosh[\; 4 \; x] \; ) \; + \; c \; Cosh[\; 4 \; x] \; ) \; + \; c \; Cosh[\; 4 \; x] \; ) \; + \; c \; Cosh[\; 4 \; x] \; ) \; + \; c \; Cosh[\; 4 \; x] \; ) \; + \; c \; Cosh[\; 4 \; x] \; ) \; + \; c \; Cosh[\; 4 \; x] \; ) \; + \; c \; Cosh[\; 4 \; x] \; ) \; + \; c \; Cosh[\; 4 \; x] \; ) \; + \; c \; Cosh[\; 4 \; x] \; ) \; + \; c \; Cosh[\; 4 \; x] \; ) \; + \; c \; Cosh[\; 4 \; x] \; ) \; + \; c \; Cosh[\; 4 \; x] \; ) \; + \; c \; Cosh[\; 4 \; x] \; + \; c \; Cosh[\; 4 \; x] \; ) \; + \; c \; Cosh[\; 4 \; x] \; ) \; + \; c \; Cosh[\; 4 \; x] \; + \; c \; Cosh[\; 4 \; x] \; ) \; + \; c \; Cosh[\; 4 \; x] \; + \; c \; Cosh[\; 4 \; x] \; + \; c \; Cosh[\; 4 \; x] \; + \; c \; Cosh[\; 4 \; x] \; + \; c \; Cosh[\; 4 \; x] \; + \; c \; Cosh[\; 4 \; x] \; + \; c \; Cosh[\; 4 \; x] \; + \; c \; Cosh[\; 4 \; x] \; + \; c \; Cosh[\; 4 \; x] \; + \; c \; Cosh[\; 4 \; x] \; + \; c \; Cosh[\; 4 \; x] \; + \; c \; Cosh[\; 4 \; x] \; + \; c \; Cosh[\; 4 \; x] \; + \; c \; Cosh[\; 4 \; x] \; + \; c \; Cosh[\; 4 \; x] \; + \; c \; Cosh[\; 4 \; x]
                                                                                                                         c(3a-b+3c-4aCosh[2x]+4cCosh[2x]+aCosh[4x]+bCosh[4x]+cCosh[4x])))
                          \frac{1}{\sqrt{a+b+c}} \log \left[ 2 \left( a \sqrt{3 a-b+3 c-4 a \cosh[2 x]+4 c \cosh[2 x]+a \cosh[4 x]+b \cosh[4 x]+c \cosh[4 x]} \right. + \\ \left. \frac{1}{\sqrt{a+b+c}} \log \left[ 2 \sqrt{3 a-b+3 c-4 a \cosh[2 x]+4 c \cosh[2 x]+a \cosh[4 x]+b \cosh[4 x]} \right] \right] + \\ \left[ \frac{1}{\sqrt{a+b+c}} \log \left[ 2 \sqrt{3 a-b+3 c-4 a \cosh[2 x]+4 c \cosh[2 x]+a \cosh[4 x]+b \cosh[4 x]+b \cosh[4 x]} \right] \right] + \\ \left[ \frac{1}{\sqrt{a+b+c}} \log \left[ 2 \sqrt{3 a-b+3 c-4 a \cosh[2 x]+4 c \cosh[2 x]+a \cosh[4 x]+b \cosh[4 x]+b \cosh[4 x]+c \cosh[4 x]+c \cosh[4 x]+b \cosh[4 x]+c \cosh
                                                                                   b\sqrt{3}a - b + 3c - 4a Cosh[2x] + 4c Cosh[2x] + a Cosh[4x] + b Cosh[4x] + c Cosh[4x] + c Cosh[4x]
                                                                                     c\sqrt{3}a-b+3c-4aCosh[2x]+4cCosh[2x]+aCosh[4x]+bCosh[4x]+cCosh[4x]+\sqrt{a+b+c}
                                                                                                   \sqrt{(2b^2 - 8ac + a(3a - b + 3c - 4aCosh[2x] + 4cCosh[2x] + aCosh[4x] + bCosh[4x] + cCosh[4x])}
                                                                                                                                      \texttt{b} \; (3 \; \texttt{a} \; - \; \texttt{b} \; + \; 3 \; \texttt{c} \; - \; 4 \; \texttt{a} \; \texttt{Cosh} [\; 2 \; \texttt{x}\;] \; + \; 4 \; \texttt{c} \; \texttt{Cosh} [\; 2 \; \texttt{x}\;] \; + \; \texttt{a} \; \texttt{Cosh} [\; 4 \; \texttt{x}\;] \; + \; \texttt{b} \; \texttt{Cosh} [\; 4 \; \texttt{x}\;] \; + \; \texttt{c} \; \texttt{Cosh} [\; 4 \; \texttt{x}\;] \; ) \; + \; \texttt{c} \; \texttt{cosh} [\; 4 \; \texttt{x}\;] \; + \; \texttt{c} \; \texttt{cosh} [\; 4 \; \texttt{x}\;] \; ) \; + \; \texttt{cosh} [\; 4 \; \texttt{x}\;] \; +
                                                                                                                                     c (3 a - b + 3 c - 4 a Cosh[2 x] + 4 c Cosh[2 x] + a Cosh[4 x] + b Cosh[4 x] + c Cosh[4 x]))
                        \frac{ b \, \text{Csch} \, [\, x \,]^{\, 2} \, \text{Sinh} \, [\, 2 \, \, x \,] }{\sqrt{3 \, a - b + 3 \, c - 4 \, (a - c) \, \, \text{Cosh} \, [\, 2 \, x \,] \, + \, (a + b + c) \, \, \text{Cosh} \, [\, 4 \, x \,]}} \, + \\
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       \sqrt{3 a - b + 3 c - 4 (a - c) \cosh[2x] + (a + b + c) \cosh[4x]}
                                                                                                                                                c Cosh[2x] Csch[x]^2 Sinh[2x]
                               \sqrt{3 a - b + 3 c - 4 (a - c) \cosh[2 x] + (a + b + c) \cosh[4 x]}
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(-4 \text{ a Sinh}[2x] + 4 \text{ c Sinh}[2x] + 2 \text{ a Sinh}[4x] + 2 \text{ b Sinh}[4x] + 2 \text{ c Sinh}[4x])
   (a (-8 a Sinh[2x] + 8 c Sinh[2x] + 4 a Sinh[4x] + 4 b Sinh[4x] + 4 c Sinh[4x]) +
                        b (-8 \text{ a Sinh}[2x] + 8 \text{ c Sinh}[2x] + 4 \text{ a Sinh}[4x] + 4 \text{ b Sinh}[4x] + 4 \text{ c Sinh}[4x]) +
                         \texttt{c} \; (-8 \, \texttt{a} \; \texttt{Sinh} \, [\, 2 \, \texttt{x}\,] \; + \; 8 \, \texttt{c} \; \texttt{Sinh} \, [\, 2 \, \texttt{x}\,] \; + \; 4 \, \texttt{a} \; \texttt{Sinh} \, [\, 4 \, \texttt{x}\,] \; + \; 4 \, \texttt{b} \; \texttt{Sinh} \, [\, 4 \, \texttt{x}\,] \; + \; 4 \, \texttt{c} \; \texttt{Sinh} \, [\, 4 \, \texttt{x}\,] \; ) \; \bigg| \; \bigg/ \; \bigg| \; 64 \, \sqrt{2} \quad (\texttt{a} + \texttt{b} + \texttt{c}) \, (\texttt{a} + \texttt{b} + \texttt{c}) \, \bigg| \; \bigg| \; \left| \; (\texttt{a} + \texttt{b} + \texttt{c}) \, (\texttt{a} + \texttt{b} + \texttt
       (b-c-c \cosh[2x]) \sqrt{3 a-b+3 c-4 a \cosh[2x]+4 c \cosh[2x]+a \cosh[4x]+b \cosh[4x]+c \cosh[4x]}
   (2b^2 - 8ac + a(3a - b + 3c - 4aCosh[2x] + 4cCosh[2x] + aCosh[4x] + bCosh[4x] + cCosh[4x]) + aCosh[4x] + bCosh[4x] + bCosh[4
                         \texttt{b} \; ( \; 3 \; \texttt{a} \; - \; \texttt{b} \; + \; 3 \; \texttt{c} \; - \; 4 \; \texttt{a} \; \texttt{Cosh}[ \; 2 \; \texttt{x} ] \; + \; 4 \; \texttt{c} \; \texttt{Cosh}[ \; 2 \; \texttt{x} ] \; + \; \texttt{a} \; \texttt{Cosh}[ \; 4 \; \texttt{x} ] \; + \; \texttt{b} \; \texttt{Cosh}[ \; 4 \; \texttt{x} ] \; + \; \texttt{c} \; \texttt{Cosh}[ \; 4 \; \texttt{x} ] \; ) \; + \; \texttt{cosh}[ \; 4 \; \texttt{x} ] \; + \; \texttt{cosh}[ \; 4 \; \texttt{x} ] \; + \; \texttt{cosh}[ \; 4 \; \texttt{x} ] \; ) \; + \; \texttt{cosh}[ \; 4 \; \texttt{x} ] \; + \; \texttt{cosh}[ \; 4 \; \texttt{x} ] \; + \; \texttt{cosh}[ \; 4 \; \texttt{x} ] \; + \; \texttt{cosh}[ \; 4 \; \texttt{x} ] \; + \; \texttt{cosh}[ \; 4 \; \texttt{x} ] \; ) \; + \; \texttt{cosh}[ \; 4 \; \texttt{x} ] \; + \; \texttt{cosh}[ \; 4 \; \texttt{x} ] \; + \; \texttt{cosh}[ \; 4 \; \texttt{x} ] \; + \; \texttt{cosh}[ \; 4 \; \texttt{x} ] \; + \; \texttt{cosh}[ \; 4 \; \texttt{x} ] \; + \; \texttt{cosh}[ \; 4 \; \texttt{x} ] \; + \; \texttt{cosh}[ \; 4 \; \texttt{x} ] \; + \; \texttt{cosh}[ \; 4 \; \texttt{x} ] \; + \; \texttt{cosh}[ \; 4 \; \texttt{x} ] \; + \; \texttt{cosh}[ \; 4 \; \texttt{x} ] \; + \; \texttt{cosh}[ \; 4 \; \texttt{x} ] \; + \; \texttt{cosh}[ \; 4 \; \texttt{x} ] \; + \; \texttt{cosh}[ \; 4 \; \texttt{x} ] \; + \; \texttt{cosh}[ \; 4 \; \texttt{x} ] \; + \; \texttt{cosh}[ \; 4 \; \texttt{x} ] \; + \; \texttt{cosh}[ \; 4 \; \texttt{x} ] \; + \; \texttt{cosh}[ \; 4 \; \texttt{x} ] \; + \; \texttt{cosh}[ \; 4 \; \texttt{x} ] \; + \; \texttt{cosh}[ \; 4 \; \texttt{x} ] \; + \; \texttt{cosh}[ \; 4 \; \texttt{x} ] \; + \; \texttt{cosh}[ \; 4 \; \texttt{x} ] \; + \; \texttt{cosh}[ \; 4 \; \texttt{x} ] \; + \; \texttt{cosh}[ \; 4 \; \texttt{x} ] \; + \; \texttt{cosh}[ \; 4 \; \texttt{x} ] \; + \; \texttt{cosh}[ \; 4 \; \texttt{x} ] \; + \; \texttt{cosh}[ \; 4 \; \texttt{x} ] \; + \; \texttt{cosh}[ \; 4 \; \texttt{x} ] \; + \; \texttt{cosh}[ \; 4 \; \texttt{x} ] \; + \; \texttt{cosh}[ \; 4 \; \texttt{x} ] \; + \; \texttt{cosh}[ \; 4 \; \texttt{x} ] \; + \; \texttt{cosh}[ \; 4 \; \texttt{x} ] \; + \; \texttt{cosh}[ \; 4 \; \texttt{x} ] \; + \; \texttt{cosh}[ \; 4 \; \texttt{x} ] \; + \; \texttt{cosh}[ \; 4 \; \texttt{x} ] \; + \; \texttt{cosh}[ \; 4 \; \texttt{x} ] \; + \; \texttt{cosh}[ \; 4 \; \texttt{x} ] \; + \; \texttt{cosh}[ \; 4 \; \texttt{x} ] \; + \; \texttt{cosh}[ \; 4 \; \texttt{x} ] \; + \; \texttt{cosh}[ \; 4 \; \texttt{x} ] \; + \; \texttt{cosh}[ \; 4 \; \texttt{x} ] \; + \; \texttt{cosh}[ \; 4 \; \texttt{x} ] \; + \; \texttt{cosh}[ \; 4 \; \texttt{x} ] \; + \; \texttt{cosh}[ \; 4 \; \texttt{x} ] \; + \; \texttt{cosh}[ \; 4 \; \texttt{x} ] \; + \; \texttt{cosh}[ \; 4 \; \texttt{x} ] \; + \; \texttt{cosh}[ \; 4 \; \texttt{x} ] \; + \; \texttt{cosh}[ \; 4 \; \texttt{x} ] \; + \; \texttt{cosh}[ \; 4 \; \texttt{x} ] \; + \; \texttt{cosh}[ \; 4 \; \texttt{x} ] \; + \; \texttt{cosh}[ \; 4 \; \texttt{x} ] \; + \; \texttt{cosh}[ \; 4 \; \texttt{x} ] \; + \; \texttt{cosh}[ \; 4 \; \texttt{x} ] \; + \; \texttt{cosh}[ \; 4 \; \texttt{x} ] \; + \; \texttt{cosh}[ \; 4 \; \texttt{x} ] \; + \; \texttt{cosh}[ \; 4 \; \texttt{x} ] \; + \; \texttt{cosh}[ \; 4 \; \texttt{x} ] \; + \; \texttt{co
                          c(3a-b+3c-4aCosh[2x]+4cCosh[2x]+aCosh[4x]+bCosh[4x]+cCosh[4x])
 \sqrt{\left(\frac{1}{a+b+c}\left(4\,a+2\,b+\sqrt{2}\,\sqrt{\left(2\,b^2-8\,a\,c+a\,\left(3\,a-b+3\,c-4\,a\,Cosh[2\,x]+4\,c\,Cosh[2\,x]+a\,Cosh[4\,x]+b\,Cosh[4\,x]\right.\right)}\right)}
                                                                                                                                                     \texttt{c} \; \texttt{Cosh} \left[ \; 4 \; \mathbf{x} \; \right] \; ) \; + \; \texttt{b} \; \left( \; 3 \; \texttt{a} \; - \; \texttt{b} \; + \; 3 \; \texttt{c} \; - \; 4 \; \texttt{a} \; \texttt{Cosh} \left[ \; 2 \; \mathbf{x} \; \right] \; + \; 4 \; \texttt{c} \; \texttt{Cosh} \left[ \; 2 \; \mathbf{x} \; \right] \; + \; \texttt{a} \; \texttt{Cosh} \left[ \; 4 \; \mathbf{x} \; \right] \; + \; \texttt{b} \; \texttt{Cosh} \left[ \; 4 \; \mathbf{x} \; \right] \; + \; \texttt{c} \; \texttt{Cosh} \left[ \; 4 \; \mathbf{x} \; \right] \; + \; \texttt{c} \; \texttt{Cosh} \left[ \; 4 \; \mathbf{x} \; \right] \; + \; \texttt{c} \; \texttt{Cosh} \left[ \; 4 \; \mathbf{x} \; \right] \; + \; \texttt{c} \; \texttt{Cosh} \left[ \; 4 \; \mathbf{x} \; \right] \; + \; \texttt{c} \; \texttt{Cosh} \left[ \; 4 \; \mathbf{x} \; \right] \; + \; \texttt{c} \; \texttt{cosh} \left[ \; 4 \; \mathbf{x} \; \right] \; + \; \texttt{c} \; \texttt{cosh} \left[ \; 4 \; \mathbf{x} \; \right] \; + \; \texttt{c} \; \texttt{cosh} \left[ \; 4 \; \mathbf{x} \; \right] \; + \; \texttt{c} \; \texttt{cosh} \left[ \; 4 \; \mathbf{x} \; \right] \; + \; \texttt{c} \; \texttt{cosh} \left[ \; 4 \; \mathbf{x} \; \right] \; + \; \texttt{c} \; \texttt{cosh} \left[ \; 4 \; \mathbf{x} \; \right] \; + \; \texttt{c} \; \texttt{cosh} \left[ \; 4 \; \mathbf{x} \; \right] \; + \; \texttt{c} \; \texttt{cosh} \left[ \; 4 \; \mathbf{x} \; \right] \; + \; \texttt{c} \; \texttt{cosh} \left[ \; 4 \; \mathbf{x} \; \right] \; + \; \texttt{c} \; \texttt{cosh} \left[ \; 4 \; \mathbf{x} \; \right] \; + \; \texttt{c} \; \texttt{cosh} \left[ \; 4 \; \mathbf{x} \; \right] \; + \; \texttt{c} \; \texttt{cosh} \left[ \; 4 \; \mathbf{x} \; \right] \; + \; \texttt{c} \; \texttt{cosh} \left[ \; 4 \; \mathbf{x} \; \right] \; + \; \texttt{c} \; \texttt{cosh} \left[ \; 4 \; \mathbf{x} \; \right] \; + \; \texttt{c} \; \texttt{cosh} \left[ \; 4 \; \mathbf{x} \; \right] \; + \; \texttt{c} \; \texttt{cosh} \left[ \; 4 \; \mathbf{x} \; \right] \; + \; \texttt{c} \; \texttt{cosh} \left[ \; 4 \; \mathbf{x} \; \right] \; + \; \texttt{c} \; \texttt{cosh} \left[ \; 4 \; \mathbf{x} \; \right] \; + \; \texttt{c} \; \texttt{cosh} \left[ \; 4 \; \mathbf{x} \; \right] \; + \; \texttt{c} \; \texttt{cosh} \left[ \; 4 \; \mathbf{x} \; \right] \; + \; \texttt{c} \; \texttt{cosh} \left[ \; 4 \; \mathbf{x} \; \right] \; + \; \texttt{c} \; \texttt{cosh} \left[ \; 4 \; \mathbf{x} \; \right] \; + \; \texttt{c} \; \texttt{cosh} \left[ \; 4 \; \mathbf{x} \; \right] \; + \; \texttt{c} \; \texttt{cosh} \left[ \; 4 \; \mathbf{x} \; \right] \; + \; \texttt{c} \; \texttt{cosh} \left[ \; 4 \; \mathbf{x} \; \right] \; + \; \texttt{c} \; \texttt{cosh} \left[ \; 4 \; \mathbf{x} \; \right] \; + \; \texttt{c} \; \texttt{cosh} \left[ \; 4 \; \mathbf{x} \; \right] \; + \; \texttt{c} \; \texttt{cosh} \left[ \; 4 \; \mathbf{x} \; \right] \; + \; \texttt{c} \; \texttt{cosh} \left[ \; 4 \; \mathbf{x} \; \right] \; + \; \texttt{c} \; \texttt{cosh} \left[ \; 4 \; \mathbf{x} \; \right] \; + \; \texttt{c} \; \texttt{cosh} \left[ \; 4 \; \mathbf{x} \; \right] \; + \; \texttt{c} \; \texttt{cosh} \left[ \; 4 \; \mathbf{x} \; \right] \; + \; \texttt{c} \; \texttt{cosh} \left[ \; 4 \; \mathbf{x} \; \right] \; + \; \texttt{c} \; \texttt{cosh} \left[ \; 4 \; \mathbf{x} \; \right] \; + \; \texttt{c} \; \texttt{cosh} \left[ \; 4 \; \mathbf{x} \; \right] \; + \; \texttt{c} \; \texttt{cosh} \left[ \; 4 \; \mathbf{x} \; \right] \; + \; \texttt{c} \; \texttt{cosh} \left[ \; 4 \; \mathbf{x} \; \right] \; + \; \texttt{c} \; \texttt{cosh} \left[ \; 4 \; \mathbf{x} \; \right] \; + \; \texttt{c} \; \texttt{cosh} \left[ \; 4 \; \mathbf{x} \; \right] \; + \; \texttt{c} \; \texttt{cosh} \left[ \;
                                                                                                                c (3 a - b + 3 c - 4 a Cosh[2 x] + 4 c Cosh[2 x] + a Cosh[4 x] + b Cosh[4 x] + c Cosh[4 x]))
     \left(2\,a - 2\,c + \sqrt{2}\,\sqrt{\left(2\,b^2 - 8\,a\,c + a\,\left(3\,a - b + 3\,c - 4\,a\,Cosh[2\,x] + 4\,c\,Cosh[2\,x] + a\,Cosh[4\,x] + b\,Cosh[4\,x] + c\,Cosh[4\,x]\right) + c\,Cosh[4\,x]}\right) + \left(2\,a - 2\,c + \sqrt{2}\,\sqrt{\left(2\,b^2 - 8\,a\,c + a\,\left(3\,a - b + 3\,c - 4\,a\,Cosh[2\,x] + 4\,c\,Cosh[2\,x] + a\,Cosh[4\,x] + b\,Cosh[4\,x] + b\,Cosh[4\,x]\right)}\right) + c\,Cosh[4\,x]\right) + c\,Cosh[4\,x]
                                                                         c(3a-b+3c-4aCosh[2x]+4cCosh[2x]+aCosh[4x]+bCosh[4x]+cCosh[4x]))
   \left(-1 + \frac{1}{2 \; (a + b + c)} \; \left(2 \; a - 2 \; c + \sqrt{2} \; \sqrt{\left(2 \; b^2 - 8 \; a \; c + a \; (3 \; a - b + 3 \; c - 4 \; a \; Cosh[2 \; x] \; + 4 \; c \; Cosh[2 \; x] \; + a \; Cosh[4 \; x] \; + b \; Cosh[
                                                                                                                                                                                              4x] + c Cosh[4x]) + b (3a - b + 3c - 4a Cosh[2x] + 4c Cosh[2x] + a Cosh[4x] + b Cosh[4x] + c Cosh[4x]
                                                                                                                                                                                              4x]) + c (3a-b+3c-4aCosh[2x]+4cCosh[2x]+aCosh[4x]+bCosh[4x]+cCosh[4x])
\sqrt{\left(1+\frac{1}{2\;(a+b+c)}\;\left(2\;a-2\;c+\sqrt{2}\;\sqrt{\left(2\;b^2-8\;a\;c+a\;\left(3\;a-b+3\;c-4\;a\;Cosh\left[2\;x\right]+4\;c\;Cosh\left[2\;x\right]+a\;Cosh\left[4\;x\right]+a\;Cosh\left[4\;x\right]+a\;Cosh\left[4\;x\right]+a\;Cosh\left[4\;x\right]+a\;Cosh\left[4\;x\right]+a\;Cosh\left[4\;x\right]+a\;Cosh\left[4\;x\right]+a\;Cosh\left[4\;x\right]+a\;Cosh\left[4\;x\right]+a\;Cosh\left[4\;x\right]+a\;Cosh\left[4\;x\right]+a\;Cosh\left[4\;x\right]+a\;Cosh\left[4\;x\right]+a\;Cosh\left[4\;x\right]+a\;Cosh\left[4\;x\right]+a\;Cosh\left[4\;x\right]+a\;Cosh\left[4\;x\right]+a\;Cosh\left[4\;x\right]+a\;Cosh\left[4\;x\right]+a\;Cosh\left[4\;x\right]+a\;Cosh\left[4\;x\right]+a\;Cosh\left[4\;x\right]+a\;Cosh\left[4\;x\right]+a\;Cosh\left[4\;x\right]+a\;Cosh\left[4\;x\right]+a\;Cosh\left[4\;x\right]+a\;Cosh\left[4\;x\right]+a\;Cosh\left[4\;x\right]+a\;Cosh\left[4\;x\right]+a\;Cosh\left[4\;x\right]+a\;Cosh\left[4\;x\right]+a\;Cosh\left[4\;x\right]+a\;Cosh\left[4\;x\right]+a\;Cosh\left[4\;x\right]+a\;Cosh\left[4\;x\right]+a\;Cosh\left[4\;x\right]+a\;Cosh\left[4\;x\right]+a\;Cosh\left[4\;x\right]+a\;Cosh\left[4\;x\right]+a\;Cosh\left[4\;x\right]+a\;Cosh\left[4\;x\right]+a\;Cosh\left[4\;x\right]+a\;Cosh\left[4\;x\right]+a\;Cosh\left[4\;x\right]+a\;Cosh\left[4\;x\right]+a\;Cosh\left[4\;x\right]+a\;Cosh\left[4\;x\right]+a\;Cosh\left[4\;x\right]+a\;Cosh\left[4\;x\right]+a\;Cosh\left[4\;x\right]+a\;Cosh\left[4\;x\right]+a\;Cosh\left[4\;x\right]+a\;Cosh\left[4\;x\right]+a\;Cosh\left[4\;x\right]+a\;Cosh\left[4\;x\right]+a\;Cosh\left[4\;x\right]+a\;Cosh\left[4\;x\right]+a\;Cosh\left[4\;x\right]+a\;Cosh\left[4\;x\right]+a\;Cosh\left[4\;x\right]+a\;Cosh\left[4\;x\right]+a\;Cosh\left[4\;x\right]+a\;Cosh\left[4\;x\right]+a\;Cosh\left[4\;x\right]+a\;Cosh\left[4\;x\right]+a\;Cosh\left[4\;x\right]+a\;Cosh\left[4\;x\right]+a\;Cosh\left[4\;x\right]+a\;Cosh\left[4\;x\right]+a\;Cosh\left[4\;x\right]+a\;Cosh\left[4\;x\right]+a\;Cosh\left[4\;x\right]+a\;Cosh\left[4\;x\right]+a\;Cosh\left[4\;x\right]+a\;Cosh\left[4\;x\right]+a\;Cosh\left[4\;x\right]+a\;Cosh\left[4\;x\right]+a\;Cosh\left[4\;x\right]+a\;Cosh\left[4\;x\right]+a\;Cosh\left[4\;x\right]+a\;Cosh\left[4\;x\right]+a\;Cosh\left[4\;x\right]+a\;Cosh\left[4\;x\right]+a\;Cosh\left[4\;x\right]+a\;Cosh\left[4\;x\right]+a\;Cosh\left[4\;x\right]+a\;Cosh\left[4\;x\right]+a\;Cosh\left[4\;x\right]+a\;Cosh\left[4\;x\right]+a\;Cosh\left[4\;x\right]+a\;Cosh\left[4\;x\right]+a\;Cosh\left[4\;x\right]+a\;Cosh\left[4\;x\right]+a\;Cosh\left[4\;x\right]+a\;Cosh\left[4\;x\right]+a\;Cosh\left[4\;x\right]+a\;Cosh\left[4\;x\right]+a\;Cosh\left[4\;x\right]+a\;Cosh\left[4\;x\right]+a\;Cosh\left[4\;x\right]+a\;Cosh\left[4\;x\right]+a\;Cosh\left[4\;x\right]+a\;Cosh\left[4\;x\right]+a\;Cosh\left[4\;x\right]+a\;Cosh\left[4\;x\right]+a\;Cosh\left[4\;x\right]+a\;Cosh\left[4\;x\right]+a\;Cosh\left[4\;x\right]+a\;Cosh\left[4\;x\right]+a\;Cosh\left[4\;x\right]+a\;Cosh\left[4\;x\right]+a\;Cosh\left[4\;x\right]+a\;Cosh\left[4\;x\right]+a\;Cosh\left[4\;x\right]+a\;Cosh\left[4\;x\right]+a\;Cosh\left[4\;x\right]+a\;Cosh\left[4\;x\right]+a\;Cosh\left[4\;x\right]+a\;Cosh\left[4\;x\right]+a\;Cosh\left[4\;x\right]+a\;Cosh\left[4\;x\right]+a\;Cosh\left[4\;x\right]+a\;Cosh\left[4\;x\right]+a\;Cosh\left[4\;x\right]+a\;Cosh\left[4\;x\right]+a\;Cosh\left[4\;x\right]+a\;Cosh\left[4\;x\right]+a\;Cosh\left[4\;x\right]+a\;Cosh\left[4\;x\right]+a\;Cosh\left[4\;x\right]+a\;Cosh\left[4\;x\right]+a\;Cosh\left[4\;x\right]+a\;Cosh\left[4\;x\right]+a\;Cosh\left[4\;x\right]+a\;Cosh\left[4\;x\right]+a\;Cosh\left[4\;x\right]+a\;Cosh\left[4\;x\right]+a\;Cosh\left[4\;x\right]+a\;Cosh\left[4\;x\right]
                                                                                                                                                                   b \, Cosh[\, 4 \, x] \, + c \, Cosh[\, 4 \, x] \, ) \, + b \, (\, 3 \, a - b + 3 \, c - 4 \, a \, Cosh[\, 2 \, x] \, + 4 \, c \, Cosh[\, 2 \, x] \, + a \, Cosh[\, 4 \, x] \, + b \,
                                                                                                                                                                 c \cosh[4x] + c (3a - b + 3c - 4a \cosh[2x] + 4c \cosh[2x] + a \cosh[4x] + b \cosh[4x] + c \cosh[4x])
   \sqrt{(3 a - b + 3 c - 4 (a - c) Cosh[2 x] + (a + b + c) Cosh[4 x]) Csch[x]^{4}} + c Cosh[2 x]
     (3 a - b + 3 c - 4 (a - c) Cosh[2x] + (a + b + c) Cosh[4x])
        2 \text{ a} \sqrt{3 \text{ a} - \text{b} + 3 \text{ c} - 4 \text{ a} \cosh[2 x] + 4 \text{ c} \cosh[2 x] + a \cosh[4 x] + b \cosh[4 x] + c \cosh[4 x]}
                          2 b \sqrt{3 a - b + 3 c - 4 a \cosh[2 x] + 4 c \cosh[2 x] + a \cosh[4 x] + b \cosh[4 x] + c \cosh[4 x]} + c \cosh[4 x]
                          2 c \sqrt{3 a - b + 3 c - 4 a \cosh[2 x] + 4 c \cosh[2 x] + a \cosh[4 x] + b \cosh[4 x] + c \cosh[4 x]}
   \sqrt{\left(\frac{1}{2+b+c}\left(-2\,b-4\,c+\sqrt{2}\,\sqrt{\left(2\,b^2-8\,a\,c+a\,\left(3\,a-b+3\,c-4\,a\,Cosh[2\,x]+4\,c\,Cosh[2\,x]+a\,Cosh[4\,x]+b\,Cosh[4\,x]+b\,Cosh[4\,x]\right)}\right)}\right)}
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c \, Cosh[4\,x]) \, + b \, (3\,a - b + 3\,c - 4\,a \, Cosh[2\,x] \, + 4\,c \, Cosh[2\,x] \, + a \, Cosh[4\,x] \, + b \, Cosh[4\,x] \, + c \, Cosh[4\,x]) \, + b \, Cosh[4\,x] \, + c \, Cosh[4\,x] \, + c
                                                                                                                       \verb|c| (3 a - b + 3 c - 4 a Cosh[2 x] + 4 c Cosh[2 x] + a Cosh[4 x] + b Cosh[4 x] + c Cosh[4 x])) | 
                                                                                                                            ArcTanh \left[ \, \frac{\sqrt{\,3\,a - b + 3\,c - 4\,a\,Cosh[2\,x] + 4\,c\,Cosh[2\,x] + a\,Cosh[4\,x] + b\,Cosh[4\,x] + b\,Cosh[4\,x] + c\,Cosh[4\,x]}{2\,a - b + 3\,c - 4\,a\,Cosh[2\,x] + a\,Cosh[2\,x] + a
                Csch[x]^2
                                        \frac{1}{2\sqrt{c}} \operatorname{ArcTanh} \left[ \left( (b + 2c) \sqrt{3 a - b + 3 c - 4 a \operatorname{Cosh}[2x] + 4 c \operatorname{Cosh}[2x] + a \operatorname{Cosh}[4x] + b \operatorname{Cosh}[4x] + c \operatorname{Cosh}[4x] \right] \right]
                                                                        2\sqrt{c}\sqrt{(2b^2-8ac+a(3a-b+3c-4a\cosh[2x]+4c\cosh[2x]+a\cosh[4x]+b\cosh[4x]+c\cosh[4x])}
                                                                                                                                  b \; (3 \; a \; - \; b \; + \; 3 \; c \; - \; 4 \; a \; Cosh[\; 2 \; x] \; + \; 4 \; c \; Cosh[\; 2 \; x] \; + \; a \; Cosh[\; 4 \; x] \; + \; b \; Cosh[\; 4 \; x] \; + \; c \; Cosh[\; 4 \; x] \; ) \; + \; c \; Cosh[\; 4 \; x] \; ) \; + \; c \; Cosh[\; 4 \; x] \; ) \; + \; c \; Cosh[\; 4 \; x] \; ) \; + \; c \; Cosh[\; 4 \; x] \; ) \; + \; c \; Cosh[\; 4 \; x] \; ) \; + \; c \; Cosh[\; 4 \; x] \; ) \; + \; c \; Cosh[\; 4 \; x] \; ) \; + \; c \; Cosh[\; 4 \; x] \; ) \; + \; c \; Cosh[\; 4 \; x] \; ) \; + \; c \; Cosh[\; 4 \; x] \; ) \; + \; c \; Cosh[\; 4 \; x] \; ) \; + \; c \; Cosh[\; 4 \; x] \; ) \; + \; c \; Cosh[\; 4 \; x] \; ) \; + \; c \; Cosh[\; 4 \; x] \; ) \; + \; c \; Cosh[\; 4 \; x] \; ) \; + \; c \; Cosh[\; 4 \; x] \; ) \; + \; c \; Cosh[\; 4 \; x] \; ) \; + \; c \; Cosh[\; 4 \; x] \; ) \; + \; c \; Cosh[\; 4 \; x] \; ) \; + \; c \; Cosh[\; 4 \; x] \; ) \; + \; c \; Cosh[\; 4 \; x] \; ) \; + \; c \; Cosh[\; 4 \; x] \; ) \; + \; c \; Cosh[\; 4 \; x] \; ) \; + \; c \; Cosh[\; 4 \; x] \; ) \; + \; c \; Cosh[\; 4 \; x] \; ) \; + \; c \; Cosh[\; 4 \; x] \; ) \; + \; c \; Cosh[\; 4 \; x] \; ) \; + \; c \; Cosh[\; 4 \; x] \; ) \; + \; c \; Cosh[\; 4 \; x] \; ) \; + \; c \; Cosh[\; 4 \; x] \; ) \; + \; c \; Cosh[\; 4 \; x] \; ) \; + \; c \; Cosh[\; 4 \; x] \; ) \; + \; c \; Cosh[\; 4 \; x] \; ) \; + \; c \; Cosh[\; 4 \; x] \; ) \; + \; c \; Cosh[\; 4 \; x] \; ) \; + \; c \; Cosh[\; 4 \; x] \; ) \; + \; c \; Cosh[\; 4 \; x] \; ) \; + \; c \; Cosh[\; 4 \; x] \; ) \; + \; c \; Cosh[\; 4 \; x] \; ) \; + \; c \; Cosh[\; 4 \; x] \; ) \; + \; c \; Cosh[\; 4 \; x] \; ) \; + \; c \; Cosh[\; 4 \; x] \; ) \; + \; c \; Cosh[\; 4 \; x] \; ) \; + \; c \; Cosh[\; 4 \; x] \; ) \; + \; c \; Cosh[\; 4 \; x] \; ) \; + \; c \; Cosh[\; 4 \; x] \; ) \; + \; c \; Cosh[\; 4 \; x] \; ) \; + \; c \; Cosh[\; 4 \; x] \; ) \; + \; c \; Cosh[\; 4 \; x] \; ) \; + \; c \; Cosh[\; 4 \; x] \; ) \; + \; c \; Cosh[\; 4 \; x] \; ) \; + \; c \; Cosh[\; 4 \; x] \; ) \; + \; c \; Cosh[\; 4 \; x] \; ) \; + \; c \; Cosh[\; 4 \; x] \; ) \; + \; c \; Cosh[\; 4 \; x] \; ) \; + \; c \; Cosh[\; 4 \; x] \; + \; c \; Cosh[\; 4 \; x] \; ) \; + \; c \; Cosh[\; 4 \; x] \; + \; c \; Cosh[\; 4 \; x] \; ) \; + \; c \; Cosh[\; 4 \; x] \; + \; c \; Cosh[\; 4 \; x] \; + \; c \; Cosh[\; 4 \; x] \; + \; c \; Cosh[\; 4 \; x] \; + \; c \; Cosh[\; 4 \; x] \; + \; c \; Cosh[\; 4 \; x] \; + \; c \; Cosh[\; 4 \; x] \; + \; c \; Cosh[\; 4 \; x] \; + \; c \; Cosh[\; 4 \; x] \; + \; c \; Cosh[\; 4 \;
                                                                                                                                    \texttt{c} \; (3 \; \texttt{a} \; - \; \texttt{b} \; + \; 3 \; \texttt{c} \; - \; 4 \; \texttt{a} \; \texttt{Cosh}[\; 2 \; \texttt{x}] \; + \; 4 \; \texttt{c} \; \texttt{Cosh}[\; 2 \; \texttt{x}] \; + \; \texttt{a} \; \texttt{Cosh}[\; 4 \; \texttt{x}] \; + \; \texttt{b} \; \texttt{Cosh}[\; 4 \; \texttt{x}] \; + \; \texttt{c} \; \texttt{Cosh}[\; 4 \; \texttt{x}] \; ) \; \Big) \; \Big| \; + \; \texttt{c} \; \texttt{cosh}[\; 4 \; \texttt{x}] \; + \; \texttt{c} \; \texttt{cosh}[\; 4 \; \texttt{x}] \; + \; \texttt{c} \; \texttt{cosh}[\; 4 \; \texttt{x}] \; + \; \texttt{c} \; \texttt{cosh}[\; 4 \; \texttt{x}] \; + \; \texttt{c} \; \texttt{cosh}[\; 4 \; \texttt{x}] \; + \; \texttt{c} \; \texttt{cosh}[\; 4 \; \texttt{x}] \; + \; \texttt{c} \; \texttt{cosh}[\; 4 \; \texttt{x}] \; + \; \texttt{c} \; \texttt{cosh}[\; 4 \; \texttt{x}] \; + \; \texttt{c} \; \texttt{cosh}[\; 4 \; \texttt{x}] \; + \; \texttt{c} \; \texttt{cosh}[\; 4 \; \texttt{x}] \; + \; \texttt{c} \; \texttt{cosh}[\; 4 \; \texttt{x}] \; + \; \texttt{c} \; \texttt{cosh}[\; 4 \; \texttt{x}] \; + \; \texttt{c} \; \texttt{cosh}[\; 4 \; \texttt{x}] \; + \; \texttt{c} \; \texttt{cosh}[\; 4 \; \texttt{x}] \; + \; \texttt{c} \; \texttt{cosh}[\; 4 \; \texttt{x}] \; + \; \texttt{c} \; \texttt{cosh}[\; 4 \; \texttt{x}] \; + \; \texttt{c} \; \texttt{cosh}[\; 4 \; \texttt{x}] \; + \; \texttt{c} \; \texttt{cosh}[\; 4 \; \texttt{x}] \; + \; \texttt{c} \; \texttt{cosh}[\; 4 \; \texttt{x}] \; + \; \texttt{c} \; \texttt{cosh}[\; 4 \; \texttt{x}] \; + \; \texttt{c} \; \texttt{cosh}[\; 4 \; \texttt{x}] \; + \; \texttt{c} \; \texttt{cosh}[\; 4 \; \texttt{x}] \; + \; \texttt{c} \; \texttt{cosh}[\; 4 \; \texttt{x}] \; + \; \texttt{c} \; \texttt{cosh}[\; 4 \; \texttt{x}] \; + \; \texttt{c} \; \texttt{cosh}[\; 4 \; \texttt{x}] \; + \; \texttt{c} \; \texttt{cosh}[\; 4 \; \texttt{x}] \; + \; \texttt{c} \; \texttt{cosh}[\; 4 \; \texttt{x}] \; + \; \texttt{c} \; \texttt{cosh}[\; 4 \; \texttt{x}] \; + \; \texttt{c} \; \texttt{cosh}[\; 4 \; \texttt{x}] \; + \; \texttt{c} \; \texttt{cosh}[\; 4 \; \texttt{x}] \; + \; \texttt{c} \; \texttt{cosh}[\; 4 \; \texttt{x}] \; + \; \texttt{c} \; \texttt{cosh}[\; 4 \; \texttt{x}] \; + \; \texttt{c} \; \texttt{cosh}[\; 4 \; \texttt{x}] \; + \; \texttt{c} \; \texttt{cosh}[\; 4 \; \texttt{x}] \; + \; \texttt{c} \; \texttt{cosh}[\; 4 \; \texttt{x}] \; + \; \texttt{c} \; \texttt{cosh}[\; 4 \; \texttt{x}] \; + \; \texttt{c} \; \texttt{cosh}[\; 4 \; \texttt{x}] \; + \; \texttt{c} \; \texttt{cosh}[\; 4 \; \texttt{x}] \; + \; \texttt{c} \; \texttt{cosh}[\; 4 \; \texttt{x}] \; + \; \texttt{c} \; \texttt{cosh}[\; 4 \; \texttt{x}] \; + \; \texttt{c} \; \texttt{cosh}[\; 4 \; \texttt{x}] \; + \; \texttt{c} \; \texttt{cosh}[\; 4 \; \texttt{x}] \; + \; \texttt{c} \; \texttt{cosh}[\; 4 \; \texttt{x}] \; + \; \texttt{c} \; \texttt{cosh}[\; 4 \; \texttt{x}] \; + \; \texttt{c} \; \texttt{cosh}[\; 4 \; \texttt{x}] \; + \; \texttt{c} \; \texttt{cosh}[\; 4 \; \texttt{x}] \; + \; \texttt{c} \; \texttt{cosh}[\; 4 \; \texttt{x}] \; + \; \texttt{c} \; \texttt{cosh}[\; 4 \; \texttt{x}] \; + \; \texttt{c} \; \texttt{cosh}[\; 4 \; \texttt{x}] \; + \; \texttt{c} \; \texttt{cosh}[\; 4 \; \texttt{x}] \; + \; \texttt{c} \; \texttt{cosh}[\; 4 \; \texttt{x}] \; + \; \texttt{c} \; \texttt{cosh}[\; 4 \; \texttt{x}] \; + \; \texttt{c} \; \texttt{cosh}[\; 4 \; \texttt{x}] \; + \; \texttt{c} \; \texttt{cosh}[\; 4 \; \texttt{x}] \; + \; \texttt{c} \; \texttt{cosh}[\; 4 \; \texttt{x}
                                                                                                                               -\log[2|a\sqrt{3}a-b+3c-4a\cosh[2x]+4c\cosh[2x]+a\cosh[4x]+b\cosh[4x]+c\cosh[4x]
                                                                                               b\sqrt{3}a-b+3c-4a\cosh[2x]+4c\cosh[2x]+a\cosh[4x]+b\cosh[4x]+c\cosh[4x]+c
                                                                                                 c\sqrt{3}a-b+3c-4a\cosh[2x]+4c\cosh[2x]+a\cosh[4x]+b\cosh[4x]+c\cosh[4x]+\sqrt{a+b+c}
                                                                                                              \sqrt{(2b^2 - 8ac + a(3a - b + 3c - 4aCosh[2x] + 4cCosh[2x] + aCosh[4x] + bCosh[4x] + bCosh[4x] + cCosh[4x])}
                                                                                                                                             b \; (3 \; a - b + 3 \; c - 4 \; a \; Cosh[2 \; x] \; + 4 \; c \; Cosh[2 \; x] \; + a \; Cosh[4 \; x] \; + b \; Cosh[4 \; x] \; + c \; Cosh[4 \; x]) \; + c \; Cosh[4 \; x] \; + c \; Cosh[
                                                                                                                                            c(3a-b+3c-4aCosh[2x]+4cCosh[2x]+aCosh[4x]+bCosh[4x]+cCosh[4x])
                                                                                                                                                                                                          b \operatorname{Csch}[x]^2 \operatorname{Sinh}[2x]
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   c Csch[x]^2 Sinh[2x]
                                             \sqrt{3} a - b + 3 c - 4 (a - c) Cosh[2x] + (a + b + c) Cosh[4x]
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   \sqrt{3 a - b + 3 c - 4 (a - c) \cosh[2 x] + (a + b + c) \cosh[4 x]}
                                                                                                                                                              c Cosh[2x] Csch[x]^2 Sinh[2x]
                                             \sqrt{3 a - b + 3 c - 4 (a - c) \cosh[2 x] + (a + b + c) \cosh[4 x]}
                     (-4 \text{ a Sinh}[2 \text{ x}] + 4 \text{ c Sinh}[2 \text{ x}] + 2 \text{ a Sinh}[4 \text{ x}] + 2 \text{ b Sinh}[4 \text{ x}] + 2 \text{ c Sinh}[4 \text{ x}])
                   (a (-8 a Sinh[2x] + 8 c Sinh[2x] + 4 a Sinh[4x] + 4 b Sinh[4x] + 4 c Sinh[4x]) +
                                      b (-8 a Sinh[2x] + 8 c Sinh[2x] + 4 a Sinh[4x] + 4 b Sinh[4x] + 4 c Sinh[4x]) +
                                      c (-8 \text{ a Sinh}[2x] + 8 \text{ c Sinh}[2x] + 4 \text{ a Sinh}[4x] + 4 \text{ b Sinh}[4x] + 4 \text{ c Sinh}[4x]))
16\sqrt{2} (b-c-c \, \text{Cosh}[2\, x]) \sqrt{3 \, a-b+3 \, c-4 \, a \, \text{Cosh}[2\, x]+4 \, c \, \text{Cosh}[2\, x]+a \, \text{Cosh}[4\, x]+b \, \text{Cosh}[4\, x]+c \, \text{Cos
                 (2b^2 - 8ac + a(3a - b + 3c - 4aCosh[2x] + 4cCosh[2x] + aCosh[4x] + bCosh[4x] + cCosh[4x]) + cCosh[4x])
                                     b (3 a - b + 3 c - 4 a Cosh[2x] + 4 c Cosh[2x] + a Cosh[4x] + b Cosh[4x] + c Cosh[4x]) + c Cosh[4x]) + c Cosh[4x]) + c Cosh[4x] + c C
                                      c(3a-b+3c-4aCosh[2x]+4cCosh[2x]+aCosh[4x]+bCosh[4x]+cCosh[4x])
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\sqrt{\left[\frac{1}{2+b+a}\left(4\,a+2\,b+\sqrt{2}\,\sqrt{\left(2\,b^2-8\,a\,c+a\,\left(3\,a-b+3\,c-4\,a\,Cosh[2\,x]+4\,c\,Cosh[2\,x]+a\,Cosh[4\,x]+b\,Cosh[4\,x]\right)\right]}\right]}
                                                                                                                                                                                            \texttt{c} \; \texttt{Cosh} \left[ \; 4 \; \mathbf{x} \; \right] \; ) \; + \; \texttt{b} \; \left( \; 3 \; \texttt{a} \; - \; \texttt{b} \; + \; 3 \; \texttt{c} \; - \; 4 \; \texttt{a} \; \texttt{Cosh} \left[ \; 2 \; \mathbf{x} \; \right] \; + \; 4 \; \texttt{c} \; \texttt{Cosh} \left[ \; 2 \; \mathbf{x} \; \right] \; + \; \texttt{a} \; \texttt{Cosh} \left[ \; 4 \; \mathbf{x} \; \right] \; + \; \texttt{b} \; \texttt{Cosh} \left[ \; 4 \; \mathbf{x} \; \right] \; + \; \texttt{c} \; \texttt{Cosh} \left[ \; 4 \; \mathbf{x} \; \right] \; ) \; + \; \texttt{c} \; \texttt{cosh} \left[ \; 4 \; \mathbf{x} \; \right] \; + \; \texttt{c} \; \texttt{cosh} \left[ \; 4 \; \mathbf{x} \; \right] \; + \; \texttt{c} \; \texttt{cosh} \left[ \; 4 \; \mathbf{x} \; \right] \; + \; \texttt{c} \; \texttt{cosh} \left[ \; 4 \; \mathbf{x} \; \right] \; + \; \texttt{c} \; \texttt{cosh} \left[ \; 4 \; \mathbf{x} \; \right] \; + \; \texttt{c} \; \texttt{cosh} \left[ \; 4 \; \mathbf{x} \; \right] \; + \; \texttt{c} \; \texttt{cosh} \left[ \; 4 \; \mathbf{x} \; \right] \; + \; \texttt{c} \; \texttt{cosh} \left[ \; 4 \; \mathbf{x} \; \right] \; + \; \texttt{c} \; \texttt{cosh} \left[ \; 4 \; \mathbf{x} \; \right] \; + \; \texttt{c} \; \texttt{cosh} \left[ \; 4 \; \mathbf{x} \; \right] \; + \; \texttt{c} \; \texttt{cosh} \left[ \; 4 \; \mathbf{x} \; \right] \; + \; \texttt{c} \; \texttt{cosh} \left[ \; 4 \; \mathbf{x} \; \right] \; + \; \texttt{c} \; \texttt{cosh} \left[ \; 4 \; \mathbf{x} \; \right] \; + \; \texttt{c} \; \texttt{cosh} \left[ \; 4 \; \mathbf{x} \; \right] \; + \; \texttt{c} \; \texttt{cosh} \left[ \; 4 \; \mathbf{x} \; \right] \; + \; \texttt{c} \; \texttt{cosh} \left[ \; 4 \; \mathbf{x} \; \right] \; + \; \texttt{c} \; \texttt{cosh} \left[ \; 4 \; \mathbf{x} \; \right] \; + \; \texttt{c} \; \texttt{cosh} \left[ \; 4 \; \mathbf{x} \; \right] \; + \; \texttt{c} \; \texttt{cosh} \left[ \; 4 \; \mathbf{x} \; \right] \; + \; \texttt{c} \; \texttt{cosh} \left[ \; 4 \; \mathbf{x} \; \right] \; + \; \texttt{c} \; \texttt{cosh} \left[ \; 4 \; \mathbf{x} \; \right] \; + \; \texttt{c} \; \texttt{cosh} \left[ \; 4 \; \mathbf{x} \; \right] \; + \; \texttt{c} \; \texttt{cosh} \left[ \; 4 \; \mathbf{x} \; \right] \; + \; \texttt{c} \; \texttt{cosh} \left[ \; 4 \; \mathbf{x} \; \right] \; + \; \texttt{c} \; \texttt{cosh} \left[ \; 4 \; \mathbf{x} \; \right] \; + \; \texttt{c} \; \texttt{cosh} \left[ \; 4 \; \mathbf{x} \; \right] \; + \; \texttt{c} \; \texttt{cosh} \left[ \; 4 \; \mathbf{x} \; \right] \; + \; \texttt{c} \; \texttt{cosh} \left[ \; 4 \; \mathbf{x} \; \right] \; + \; \texttt{c} \; \texttt{cosh} \left[ \; 4 \; \mathbf{x} \; \right] \; + \; \texttt{c} \; \texttt{cosh} \left[ \; 4 \; \mathbf{x} \; \right] \; + \; \texttt{c} \; \texttt{cosh} \left[ \; 4 \; \mathbf{x} \; \right] \; + \; \texttt{c} \; \texttt{cosh} \left[ \; 4 \; \mathbf{x} \; \right] \; + \; \texttt{c} \; \texttt{cosh} \left[ \; 4 \; \mathbf{x} \; \right] \; + \; \texttt{c} \; \texttt{cosh} \left[ \; 4 \; \mathbf{x} \; \right] \; + \; \texttt{c} \; \texttt{cosh} \left[ \; 4 \; \mathbf{x} \; \right] \; + \; \texttt{c} \; \texttt{cosh} \left[ \; 4 \; \mathbf{x} \; \right] \; + \; \texttt{c} \; \texttt{cosh} \left[ \; 4 \; \mathbf{x} \; \right] \; + \; \texttt{c} \; \texttt{cosh} \left[ \; 4 \; \mathbf{x} \; \right] \; + \; \texttt{c} \; \texttt{cosh} \left[ \; 4 \; \mathbf{x} \; \right] \; + \; \texttt{c} \; \texttt{cosh} \left[ \; 4 \; \mathbf{x} \; \right] \; + \; \texttt{c} \; \texttt{cosh} \left[ \; 4 \; \mathbf{x} \; \right] \; + \; \texttt{c} \; \texttt{cosh} \left[ \; 4 \; \mathbf{x} \; \right] \; + \; \texttt{c} \; \texttt{cosh} \left[ \; 4 \; \mathbf{x} \; \right] \; + \; \texttt{c} \; \texttt{cosh} 
                                                                                                                                              c (3 a - b + 3 c - 4 a Cosh[2 x] + 4 c Cosh[2 x] + a Cosh[4 x] + b Cosh[4 x] + c Cosh[4 x]))
      \left(2\,a - 2\,c + \sqrt{2}\,\,\sqrt{\left(2\,b^2 - 8\,a\,c + a\,\left(3\,a - b + 3\,c - 4\,a\,Cosh[2\,x] + 4\,c\,Cosh[2\,x] + a\,Cosh[4\,x] + b\,Cosh[4\,x] + b\,Cosh[4\,x] + c\,Cosh[4\,x]\right)}\right) + \left(2\,a - 2\,c + \sqrt{2}\,\,\sqrt{\left(2\,b^2 - 8\,a\,c + a\,\left(3\,a - b + 3\,c - 4\,a\,Cosh[2\,x] + 4\,c\,Cosh[2\,x] + a\,Cosh[4\,x] + b\,Cosh[4\,x] + b\,Cosh[4\,x]\right)}\right) + \left(2\,a - 2\,c + \sqrt{2}\,\,\sqrt{\left(2\,b^2 - 8\,a\,c + a\,\left(3\,a - b + 3\,c - 4\,a\,Cosh[2\,x] + 4\,c\,Cosh[2\,x] + a\,Cosh[4\,x] + b\,Cosh[4\,x] + b\,Cosh[4\,x] + c\,Cosh[4\,x] + a\,Cosh[4\,x] + b\,Cosh[4\,x] + c\,Cosh[4\,x] + a\,Cosh[4\,x] + a\,Cosh[4
                                                                                                               b (3 a - b + 3 c - 4 a Cosh[2 x] + 4 c Cosh[2 x] + a Cosh[4 x] + b Cosh[4 x] + c Cosh[4 x]) + c
                                                                                                                                 (3 a - b + 3 c - 4 a Cosh[2 x] + 4 c Cosh[2 x] + a Cosh[4 x] + b Cosh[4 x] + c Cosh[4 x]))
    \sqrt{\left[-1 + \frac{1}{2(a+b+c)} \left(2 a - 2 c + \sqrt{2} \sqrt{(2b^2 - 8 a c + a (3 a - b + 3 c - 4 a Cosh[2x] + 4 c Cosh[2x] + a Cosh[4x] + a Cosh[4x]
                                                                                                                                                                                                              b \, Cosh[4 \, x] + c \, Cosh[4 \, x]) + b \, (3 \, a - b + 3 \, c - 4 \, a \, Cosh[2 \, x] + 4 \, c \, Cosh[2 \, x] + a \, Cosh[4 \, x] + b \, Cosh[4 \,
                                                                                                                                                                                                            c \cosh[4x] + c (3a - b + 3c - 4a \cosh[2x] + 4c \cosh[2x] + a \cosh[4x] + b \cosh[4x] + c \cosh[4x])
  b \, Cosh[4\,x] + c \, Cosh[4\,x]) + b \, (3\,a - b + 3\,c - 4\,a \, Cosh[2\,x] + 4\,c \, Cosh[2\,x] + a \, Cosh[4\,x] + b 
                                                                                                                                                                                                            \sqrt{(3 \, a - b + 3 \, c - 4 \, (a - c) \, Cosh[2 \, x] + (a + b + c) \, Cosh[4 \, x]) \, Csch[x]^4} \, - \, \left| c \, Cosh[2 \, x] + (a + b + c) \, Cosh[4 \, x] + (a + b + c) \, Cosh[4 \, x] + (a + b + c) \, Cosh[4 \, x] + (a + b + c) \, Cosh[4 \, x] + (a + b + c) \, Cosh[4 \, x] + (a + b + c) \, Cosh[4 \, x] + (a + b + c) \, Cosh[4 \, x] + (a + b + c) \, Cosh[4 \, x] + (a + b + c) \, Cosh[4 \, x] + (a + b + c) \, Cosh[4 \, x] + (a + b + c) \, Cosh[4 \, x] + (a + b + c) \, Cosh[4 \, x] + (a + b + c) \, Cosh[4 \, x] + (a + b + c) \, Cosh[4 \, x] + (a + b + c) \, Cosh[4 \, x] + (a + b + c) \, Cosh[4 \, x] + (a + b + c) \, Cosh[4 \, x] + (a + b + c) \, Cosh[4 \, x] + (a + b + c) \, Cosh[4 \, x] + (a + b + c) \, Cosh[4 \, x] + (a + b + c) \, Cosh[4 \, x] + (a + b + c) \, Cosh[4 \, x] + (a + b + c) \, Cosh[4 \, x] + (a + b + c) \, Cosh[4 \, x] + (a + b + c) \, Cosh[4 \, x] + (a + b + c) \, Cosh[4 \, x] + (a + b + c) \, Cosh[4 \, x] + (a + b + c) \, Cosh[4 \, x] + (a + b + c) \, Cosh[4 \, x] + (a + b + c) \, Cosh[4 \, x] + (a + b + c) \, Cosh[4 \, x] + (a + b + c) \, Cosh[4 \, x] + (a + b + c) \, Cosh[4 \, x] + (a + b + c) \, Cosh[4 \, x] + (a + b + c) \, Cosh[4 \, x] + (a + b + c) \, Cosh[4 \, x] + (a + b + c) \, Cosh[4 \, x] + (a + b + c) \, Cosh[4 \, x] + (a + b + c) \, Cosh[4 \, x] + (a + b + c) \, Cosh[4 \, x] + (a + b + c) \, Cosh[4 \, x] + (a + b + c) \, Cosh[4 \, x] + (a + b + c) \, Cosh[4 \, x] + (a + b + c) \, Cosh[4 \, x] + (a + b + c) \, Cosh[4 \, x] + (a + b + c) \, Cosh[4 \, x] + (a + b + c) \, Cosh[4 \, x] + (a + b + c) \, Cosh[4 \, x] + (a + b + c) \, Cosh[4 \, x] + (a + b + c) \, Cosh[4 \, x] + (a + b + c) \, Cosh[4 \, x] + (a + b + c) \, Cosh[4 \, x] + (a + b + c) \, Cosh[4 \, x] + (a + b + c) \, Cosh[4 \, x] + (a + b + c) \, Cosh[4 \, x] + (a + b + c) \, Cosh[4 \, x] + (a + b + c) \, Cosh[4 \, x] + (a + b + c) \, Cosh[4 \, x] + (a + b + c) \, Cosh[4 \, x] + (a + b + c) \, Cosh[4 \, x] + (a + b + c) \, Cosh[4 \, x] + (a + b + c) \, Cosh[4 \, x] + (a + b + c) \, Cosh[4 \, x] + (a + b + c) \, Cosh[4 \, x] + (a + b + c) \, Cosh[4 \, x] + (a + b + c) \, Cosh[4 \, x] + (a + b + c) \, Cosh[4 \, x] + (a + b + c) \, Cosh[4 \, x] + (a + b + c) \, Cosh[4 \,
        (3 a - b + 3 c - 4 (a - c) Cosh[2x] + (a + b + c) Cosh[4x])
          \left[2\,a\,\sqrt{\,3\,a\,-\,b\,+\,3\,c\,-\,4\,a\,Cosh\,[\,2\,x\,]\,+\,4\,c\,Cosh\,[\,2\,x\,]\,+\,a\,Cosh\,[\,4\,x\,]\,+\,b\,Cosh\,[\,4\,x\,]\,+\,c\,Cosh\,[\,4\,x\,]\,+\,c\,Cosh\,[\,4\,x\,]\,+\,c\,Cosh\,[\,4\,x\,]\,+\,c\,Cosh\,[\,4\,x\,]\,+\,c\,Cosh\,[\,4\,x\,]\,+\,c\,Cosh\,[\,4\,x\,]\,+\,c\,Cosh\,[\,4\,x\,]\,+\,c\,Cosh\,[\,4\,x\,]\,+\,c\,Cosh\,[\,4\,x\,]\,+\,c\,Cosh\,[\,4\,x\,]\,+\,c\,Cosh\,[\,4\,x\,]\,+\,c\,Cosh\,[\,4\,x\,]\,+\,c\,Cosh\,[\,4\,x\,]\,+\,c\,Cosh\,[\,4\,x\,]\,+\,c\,Cosh\,[\,4\,x\,]\,+\,c\,Cosh\,[\,4\,x\,]\,+\,c\,Cosh\,[\,4\,x\,]\,+\,c\,Cosh\,[\,4\,x\,]\,+\,c\,Cosh\,[\,4\,x\,]\,+\,c\,Cosh\,[\,4\,x\,]\,+\,c\,Cosh\,[\,4\,x\,]\,+\,c\,Cosh\,[\,4\,x\,]\,+\,c\,Cosh\,[\,4\,x\,]\,+\,c\,Cosh\,[\,4\,x\,]\,+\,c\,Cosh\,[\,4\,x\,]\,+\,c\,Cosh\,[\,4\,x\,]\,+\,c\,Cosh\,[\,4\,x\,]\,+\,c\,Cosh\,[\,4\,x\,]\,+\,c\,Cosh\,[\,4\,x\,]\,+\,c\,Cosh\,[\,4\,x\,]\,+\,c\,Cosh\,[\,4\,x\,]\,+\,c\,Cosh\,[\,4\,x\,]\,+\,c\,Cosh\,[\,4\,x\,]\,+\,c\,Cosh\,[\,4\,x\,]\,+\,c\,Cosh\,[\,4\,x\,]\,+\,c\,Cosh\,[\,4\,x\,]\,+\,c\,Cosh\,[\,4\,x\,]\,+\,c\,Cosh\,[\,4\,x\,]\,+\,c\,Cosh\,[\,4\,x\,]\,+\,c\,Cosh\,[\,4\,x\,]\,+\,c\,Cosh\,[\,4\,x\,]\,+\,c\,Cosh\,[\,4\,x\,]\,+\,c\,Cosh\,[\,4\,x\,]\,+\,c\,Cosh\,[\,4\,x\,]\,+\,c\,Cosh\,[\,4\,x\,]\,+\,c\,Cosh\,[\,4\,x\,]\,+\,c\,Cosh\,[\,4\,x\,]\,+\,c\,Cosh\,[\,4\,x\,]\,+\,c\,Cosh\,[\,4\,x\,]\,+\,c\,Cosh\,[\,4\,x\,]\,+\,c\,Cosh\,[\,4\,x\,]\,+\,c\,Cosh\,[\,4\,x\,]\,+\,c\,Cosh\,[\,4\,x\,]\,+\,c\,Cosh\,[\,4\,x\,]\,+\,c\,Cosh\,[\,4\,x\,]\,+\,c\,Cosh\,[\,4\,x\,]\,+\,c\,Cosh\,[\,4\,x\,]\,+\,c\,Cosh\,[\,4\,x\,]\,+\,c\,Cosh\,[\,4\,x\,]\,+\,c\,Cosh\,[\,4\,x\,]\,+\,c\,Cosh\,[\,4\,x\,]\,+\,c\,Cosh\,[\,4\,x\,]\,+\,c\,Cosh\,[\,4\,x\,]\,+\,c\,Cosh\,[\,4\,x\,]\,+\,c\,Cosh\,[\,4\,x\,]\,+\,c\,Cosh\,[\,4\,x\,]\,+\,c\,Cosh\,[\,4\,x\,]\,+\,c\,Cosh\,[\,4\,x\,]\,+\,c\,Cosh\,[\,4\,x\,]\,+\,c\,Cosh\,[\,4\,x\,]\,+\,c\,Cosh\,[\,4\,x\,]\,+\,c\,Cosh\,[\,4\,x\,]\,+\,c\,Cosh\,[\,4\,x\,]\,+\,c\,Cosh\,[\,4\,x\,]\,+\,c\,Cosh\,[\,4\,x\,]\,+\,c\,Cosh\,[\,4\,x\,]\,+\,c\,Cosh\,[\,4\,x\,]\,+\,c\,Cosh\,[\,4\,x\,]\,+\,c\,Cosh\,[\,4\,x\,]\,+\,c\,Cosh\,[\,4\,x\,]\,+\,c\,Cosh\,[\,4\,x\,]\,+\,c\,Cosh\,[\,4\,x\,]\,+\,c\,Cosh\,[\,4\,x\,]\,+\,c\,Cosh\,[\,4\,x\,]\,+\,c\,Cosh\,[\,4\,x\,]\,+\,c\,Cosh\,[\,4\,x\,]\,+\,c\,Cosh\,[\,4\,x\,]\,+\,c\,Cosh\,[\,4\,x\,]\,+\,c\,Cosh\,[\,4\,x\,]\,+\,c\,Cosh\,[\,4\,x\,]\,+\,c\,Cosh\,[\,4\,x\,]\,+\,c\,Cosh\,[\,4\,x\,]\,+\,c\,Cosh\,[\,4\,x\,]\,+\,c\,Cosh\,[\,4\,x\,]\,+\,c\,Cosh\,[\,4\,x\,]\,+\,c\,Cosh\,[\,4\,x\,]\,+\,c\,Cosh\,[\,4\,x\,]\,+\,c\,Cosh\,[\,4\,x\,]\,+\,c\,Cosh\,[\,4\,x\,]\,+\,c\,Cosh\,[\,4\,x\,]\,+\,c\,Cosh\,[\,4\,x\,]\,+\,c\,Cosh\,[\,4\,x\,]\,+\,c\,Cosh\,[\,4\,x\,]\,+\,c\,Cosh\,[\,4\,x\,]\,+\,c\,Cosh\,[\,4\,x\,]\,+\,c\,Cosh\,[\,4\,x\,]\,+\,c\,Cosh\,[\,4\,x\,]\,+\,c\,Cosh\,[\,4\,x\,]\,+\,c\,Cosh\,[\,4\,x\,]\,+\,c\,Cosh\,[\,4\,x\,]\,+\,c\,Cosh\,[\,4\,x\,]\,+\,c\,Cosh\,[\,4\,x\,]\,+\,c\,Cosh\,[\,4\,x\,]\,+\,c\,Cosh\,[\,4\,x\,]\,+\,c\,Cosh\,[\,
                                   2 b \sqrt{3} a - b + 3 c - 4 a Cosh[2 x] + 4 c Cosh[2 x] + a Cosh[4 x] + b Cosh[4 x] + c Cosh[4 x] + c Cosh[4 x]
                                   2 c \sqrt{3 a - b + 3 c - 4 a \cosh[2 x] + 4 c \cosh[2 x] + a \cosh[4 x] + b \cosh[4 x] + c \cosh[4 x]}
\operatorname{Csch}[x]^2 = -\frac{\operatorname{ArcTanh}\left[\frac{\sqrt{3\,a-b+3\,c-4\,a\,\operatorname{Cosh}[2\,x]+4\,c\,\operatorname{Cosh}[2\,x]+a\,\operatorname{Cosh}[4\,x]+b\,\operatorname{Cosh}[4\,x]+c\,\operatorname{Cosh}[4\,x]}{2\,\sqrt{c}}\right]}{2\,\sqrt{c}}
                              \frac{1}{2\sqrt{c}} \operatorname{ArcTanh} \left[ \left( (b + 2c) \sqrt{3 a - b + 3 c - 4 a \cosh[2x] + 4 c \cosh[2x] + a \cosh[4x] + b \cosh[4x] + b \cosh[4x] + c \cosh[4x] \right] \right]
                                                                                   \left(2\,\sqrt{c}\,\,\sqrt{\left(2\,b^2\,-\,8\,a\,c\,+\,a\,\left(3\,a\,-\,b\,+\,3\,c\,-\,4\,a\,Cosh[\,2\,x\,]\,+\,4\,c\,Cosh[\,2\,x\,]\,+\,a\,Cosh[\,4\,x\,]\,+\,b\,Cosh[\,4\,x\,]\,+\,b\,Cosh[\,4\,x\,]\,+\,c\,Cosh[\,4\,x\,]\,\right)\,+\,2\,Cosh[\,4\,x]\,\right)\,+\,2\,Cosh[\,4\,x]\,+\,2\,Cosh[\,4\,x]\,+\,2\,Cosh[\,4\,x]\,+\,2\,Cosh[\,4\,x]\,+\,2\,Cosh[\,4\,x]\,+\,2\,Cosh[\,4\,x]\,+\,2\,Cosh[\,4\,x]\,+\,2\,Cosh[\,4\,x]\,+\,2\,Cosh[\,4\,x]\,+\,2\,Cosh[\,4\,x]\,+\,2\,Cosh[\,4\,x]\,+\,2\,Cosh[\,4\,x]\,+\,2\,Cosh[\,4\,x]\,+\,2\,Cosh[\,4\,x]\,+\,2\,Cosh[\,4\,x]\,+\,2\,Cosh[\,4\,x]\,+\,2\,Cosh[\,4\,x]\,+\,2\,Cosh[\,4\,x]\,+\,2\,Cosh[\,4\,x]\,+\,2\,Cosh[\,4\,x]\,+\,2\,Cosh[\,4\,x]\,+\,2\,Cosh[\,4\,x]\,+\,2\,Cosh[\,4\,x]\,+\,2\,Cosh[\,4\,x]\,+\,2\,Cosh[\,4\,x]\,+\,2\,Cosh[\,4\,x]\,+\,2\,Cosh[\,4\,x]\,+\,2\,Cosh[\,4\,x]\,+\,2\,Cosh[\,4\,x]\,+\,2\,Cosh[\,4\,x]\,+\,2\,Cosh[\,4\,x]\,+\,2\,Cosh[\,4\,x]\,+\,2\,Cosh[\,4\,x]\,+\,2\,Cosh[\,4\,x]\,+\,2\,Cosh[\,4\,x]\,+\,2\,Cosh[\,4\,x]\,+\,2\,Cosh[\,4\,x]\,+\,2\,Cosh[\,4\,x]\,+\,2\,Cosh[\,4\,x]\,+\,2\,Cosh[\,4\,x]\,+\,2\,Cosh[\,4\,x]\,+\,2\,Cosh[\,4\,x]\,+\,2\,Cosh[\,4\,x]\,+\,2\,Cosh[\,4\,x]\,+\,2\,Cosh[\,4\,x]\,+\,2\,Cosh[\,4\,x]\,+\,2\,Cosh[\,4\,x]\,+\,2\,Cosh[\,4\,x]\,+\,2\,Cosh[\,4\,x]\,+\,2\,Cosh[\,4\,x]\,+\,2\,Cosh[\,4\,x]\,+\,2\,Cosh[\,4\,x]\,+\,2\,Cosh[\,4\,x]\,+\,2\,Cosh[\,4\,x]\,+\,2\,Cosh[\,4\,x]\,+\,2\,Cosh[\,4\,x]\,+\,2\,Cosh[\,4\,x]\,+\,2\,Cosh[\,4\,x]\,+\,2\,Cosh[\,4\,x]\,+\,2\,Cosh[\,4\,x]\,+\,2\,Cosh[\,4\,x]\,+\,2\,Cosh[\,4\,x]\,+\,2\,Cosh[\,4\,x]\,+\,2\,Cosh[\,4\,x]\,+\,2\,Cosh[\,4\,x]\,+\,2\,Cosh[\,4\,x]\,+\,2\,Cosh[\,4\,x]\,+\,2\,Cosh[\,4\,x]\,+\,2\,Cosh[\,4\,x]\,+\,2\,Cosh[\,4\,x]\,+\,2\,Cosh[\,4\,x]\,+\,2\,Cosh[\,4\,x]\,+\,2\,Cosh[\,4\,x]\,+\,2\,Cosh[\,4\,x]\,+\,2\,Cosh[\,4\,x]\,+\,2\,Cosh[\,4\,x]\,+\,2\,Cosh[\,4\,x]\,+\,2\,Cosh[\,4\,x]\,+\,2\,Cosh[\,4\,x]\,+\,2\,Cosh[\,4\,x]\,+\,2\,Cosh[\,4\,x]\,+\,2\,Cosh[\,4\,x]\,+\,2\,Cosh[\,4\,x]\,+\,2\,Cosh[\,4\,x]\,+\,2\,Cosh[\,4\,x]\,+\,2\,Cosh[\,4\,x]\,+\,2\,Cosh[\,4\,x]\,+\,2\,Cosh[\,4\,x]\,+\,2\,Cosh[\,4\,x]\,+\,2\,Cosh[\,4\,x]\,+\,2\,Cosh[\,4\,x]\,+\,2\,Cosh[\,4\,x]\,+\,2\,Cosh[\,4\,x]\,+\,2\,Cosh[\,4\,x]\,+\,2\,Cosh[\,4\,x]\,+\,2\,Cosh[\,4\,x]\,+\,2\,Cosh[\,4\,x]\,+\,2\,Cosh[\,4\,x]\,+\,2\,Cosh[\,4\,x]\,+\,2\,Cosh[\,4\,x]\,+\,2\,Cosh[\,4\,x]\,+\,2\,Cosh[\,4\,x]\,+\,2\,Cosh[\,4\,x]\,+\,2\,Cosh[\,4\,x]\,+\,2\,Cosh[\,4\,x]\,+\,2\,Cosh[\,4\,x]\,+\,2\,Cosh[\,4\,x]\,+\,2\,Cosh[\,4\,x]\,+\,2\,Cosh[\,4\,x]\,+\,2\,Cosh[\,4\,x]\,+\,2\,Cosh[\,4\,x]\,+\,2\,Cosh[\,4\,x]\,+\,2\,Cosh[\,4\,x]\,+\,2\,Cosh[\,4\,x]\,+\,2\,Cosh[\,4\,x]\,+\,2\,Cosh[\,4\,x]\,+\,2\,Cosh[\,4\,x]\,+\,2\,Cosh[\,4\,x]\,+\,2\,Cosh[\,4\,x]\,+\,2\,Cosh[\,4\,x]\,+\,2\,Cosh[\,4\,x]\,+\,2\,Cosh[\,4\,x]\,+\,2\,Cosh[\,4\,x]\,+\,2\,Cosh[\,4\,x]\,+\,2\,Cosh[\,4\,x]\,
                                                                                                                                                              b \; (3 \; a \; -b \; + \; 3 \; c \; -4 \; a \; Cosh[\; 2 \; x] \; + \; 4 \; c \; Cosh[\; 2 \; x] \; + \; a \; Cosh[\; 4 \; x] \; + \; b \; Cosh[\; 4 \; x] \; + \; c \; Cosh[\; 4 \; x] \; ) \; + \; c \; Cosh[\; 4 \; x] \; ) \; + \; c \; Cosh[\; 4 \; x] \; ) \; + \; c \; Cosh[\; 4 \; x] \; ) \; + \; c \; Cosh[\; 4 \; x] \; ) \; + \; c \; Cosh[\; 4 \; x] \; ) \; + \; c \; Cosh[\; 4 \; x] \; ) \; + \; c \; Cosh[\; 4 \; x] \; ) \; + \; c \; Cosh[\; 4 \; x] \; ) \; + \; c \; Cosh[\; 4 \; x] \; ) \; + \; c \; Cosh[\; 4 \; x] \; ) \; + \; c \; Cosh[\; 4 \; x] \; ) \; + \; c \; Cosh[\; 4 \; x] \; ) \; + \; c \; Cosh[\; 4 \; x] \; ) \; + \; c \; Cosh[\; 4 \; x] \; ) \; + \; c \; Cosh[\; 4 \; x] \; ) \; + \; c \; Cosh[\; 4 \; x] \; ) \; + \; c \; Cosh[\; 4 \; x] \; ) \; + \; c \; Cosh[\; 4 \; x] \; ) \; + \; c \; Cosh[\; 4 \; x] \; ) \; + \; c \; Cosh[\; 4 \; x] \; ) \; + \; c \; Cosh[\; 4 \; x] \; ) \; + \; c \; Cosh[\; 4 \; x] \; ) \; + \; c \; Cosh[\; 4 \; x] \; ) \; + \; c \; Cosh[\; 4 \; x] \; ) \; + \; c \; Cosh[\; 4 \; x] \; ) \; + \; c \; Cosh[\; 4 \; x] \; ) \; + \; c \; Cosh[\; 4 \; x] \; ) \; + \; c \; Cosh[\; 4 \; x] \; ) \; + \; c \; Cosh[\; 4 \; x] \; ) \; + \; c \; Cosh[\; 4 \; x] \; ) \; + \; c \; Cosh[\; 4 \; x] \; ) \; + \; c \; Cosh[\; 4 \; x] \; ) \; + \; c \; Cosh[\; 4 \; x] \; ) \; + \; c \; Cosh[\; 4 \; x] \; ) \; + \; c \; Cosh[\; 4 \; x] \; ) \; + \; c \; Cosh[\; 4 \; x] \; ) \; + \; c \; Cosh[\; 4 \; x] \; ) \; + \; c \; Cosh[\; 4 \; x] \; ) \; + \; c \; Cosh[\; 4 \; x] \; ) \; + \; c \; Cosh[\; 4 \; x] \; ) \; + \; c \; Cosh[\; 4 \; x] \; ) \; + \; c \; Cosh[\; 4 \; x] \; ) \; + \; c \; Cosh[\; 4 \; x] \; ) \; + \; c \; Cosh[\; 4 \; x] \; ) \; + \; c \; Cosh[\; 4 \; x] \; ) \; + \; c \; Cosh[\; 4 \; x] \; ) \; + \; c \; Cosh[\; 4 \; x] \; ) \; + \; c \; Cosh[\; 4 \; x] \; ) \; + \; c \; Cosh[\; 4 \; x] \; ) \; + \; c \; Cosh[\; 4 \; x] \; ) \; + \; c \; Cosh[\; 4 \; x] \; ) \; + \; c \; Cosh[\; 4 \; x] \; ) \; + \; c \; Cosh[\; 4 \; x] \; ) \; + \; c \; Cosh[\; 4 \; x] \; + \; c \; Cosh[\; 4 \; x] \; ) \; + \; c \; Cosh[\; 4 \; x] \; ) \; + \; c \; Cosh[\; 4 \; x] \; + \; c \; Cosh[\; 4 \; x] \; ) \; + \; c \; Cosh[\; 4 \; x] \; + \; c \; Cosh[\; 4 \; x] \; + \; c \; Cosh[\; 4 \; x] \; + \; c \; Cosh[\; 4 \; x] \; + \; c \; Cosh[\; 4 \; x] \; + \; c \; Cosh[\; 4 \; x] \; + \; c \; Cosh[\; 4 \; x] \; + \; c \; Cosh[\; 4 \; x] \; + \; c \; Cosh[\; 4 \; x] \; + \; c \; Cosh[\; 4 \; x] \; + \; c \; Cosh[\; 4 \; x] \; + \; 
                                                                                                                                                                c(3a-b+3c-4a\cosh[2x]+4c\cosh[2x]+a\cosh[4x]+b\cosh[4x]+c\cosh[4x]))
                                     \frac{1}{\sqrt{a+b+c}} Log[2(a\sqrt{3a-b+3c-4aCosh[2x]+4cCosh[2x]+aCosh[4x]+bCosh[4x]+cCosh[4x]} + \frac{1}{\sqrt{a+b+c}} Log[2(a\sqrt{3a-b+3c-4aCosh[2x]+4cCosh[2x]} + \frac{1}{\sqrt{a+b+c}} Log[2(a\sqrt{3a-b+3c-4aCosh[2x]} + \frac{1}{\sqrt{a+b+c}} Log[2(a\sqrt{3a-b+b+c}) + \frac{1}{\sqrt{a+b+c}} Log[2(a\sqrt{3a-b+b+c}) + \frac{1}{\sqrt{a+b+c}} Log[2(a\sqrt{3a-b+b+c}) + \frac{1}{\sqrt{a+b+c}} Log[2(a\sqrt{a+b+c}) + \frac{1}{\sqrt{a+b+
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b\sqrt{3}a - b + 3c - 4a Cosh[2x] + 4c Cosh[2x] + a Cosh[4x] + b Cosh[4x] + c Cosh[4x] + c Cosh[4x]
                                                                            {\tt c}\,\sqrt{\,3\,a-b+3\,c-4\,a\,Cosh[\,2\,x]\,+4\,c\,Cosh[\,2\,x]\,+a\,Cosh[\,4\,x]\,+b\,Cosh[\,4\,x]\,+c\,Cosh[\,4\,x]\,}\,+\sqrt{\,a+b+c\,Cosh[\,4\,x]\,+c\,Cosh[\,4\,x]\,}
                                                                                       \sqrt{(2b^2 - 8ac + a(3a - b + 3c - 4aCosh[2x] + 4cCosh[2x] + aCosh[4x] + bCosh[4x] + cCosh[4x])} + cCosh[4x] + cCos
                                                                                                                      b (3a - b + 3c - 4a Cosh[2x] + 4c Cosh[2x] + a Cosh[4x] + b Cosh[4x] + c Cosh[4x]) +
                                                                                                                      c (3 a - b + 3 c - 4 a Cosh[2 x] + 4 c Cosh[2 x] + a Cosh[4 x] + b Cosh[4 x] + c Cosh[4 x])
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      c Csch[x]^2 Sinh[2x]
                                                                                                                                                                                 b \operatorname{Csch}[x]^2 \operatorname{Sinh}[2x]
                        \sqrt{3 a - b + 3 c - 4 (a - c) \cosh[2 x] + (a + b + c) \cosh[4 x]}
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            \sqrt{3 a - b + 3 c - 4 (a - c) \cosh[2 x] + (a + b + c) \cosh[4 x]}
                                                                                                                                       c Cosh[2x] Csch[x]2 Sinh[2x]
                          \sqrt{3 a - b + 3 c - 4 (a - c) Cosh[2 x] + (a + b + c) Cosh[4 x]}
   (-4 \text{ a Sinh}[2x] + 4 \text{ c Sinh}[2x] + 2 \text{ a Sinh}[4x] + 2 \text{ b Sinh}[4x] + 2 \text{ c Sinh}[4x])
   (a (-8 a Sinh[2x] + 8 c Sinh[2x] + 4 a Sinh[4x] + 4 b Sinh[4x] + 4 c Sinh[4x]) +
                 b (-8 a Sinh[2x] + 8 c Sinh[2x] + 4 a Sinh[4x] + 4 b Sinh[4x] + 4 c Sinh[4x]) +
                    c (-8 a Sinh[2x] + 8 c Sinh[2x] + 4 a Sinh[4x] + 4 b Sinh[4x] + 4 c Sinh[4x]))
 (b-c-c \cosh[2x]) \sqrt{3} a-b+3 c-4 a \cosh[2x]+4 c \cosh[2x]+a \cosh[4x]+b \cosh[4x]+c \cosh[4x]
 (2b^2 - 8ac + a(3a - b + 3c - 4aCosh[2x] + 4cCosh[2x] + aCosh[4x] + bCosh[4x] + cCosh[4x]) + cCosh[4x])
                  b (3 a - b + 3 c - 4 a Cosh[2x] + 4 c Cosh[2x] + a Cosh[4x] + b Cosh[4x] + c Cosh[4x]) + c Cosh[4x]) + c Cosh[4x]) + c Cosh[4x] + c C
                    c(3a-b+3c-4aCosh[2x]+4cCosh[2x]+aCosh[4x]+bCosh[4x]+cCosh[4x])
                                             \frac{1}{a^{2}+b^{2}+c^{2}}\left(4\,a+2\,b+\sqrt{2}\,\sqrt{\left(2\,b^{2}-8\,a\,c+a\,\left(3\,a-b+3\,c-4\,a\,Cosh\left[2\,x\right]+4\,c\,Cosh\left[2\,x\right]+a\,Cosh\left[4\,x\right]+b\,Cosh\left[4\,x\right]+b\,Cosh\left[4\,x\right]+b\,Cosh\left[4\,x\right]+a\,Cosh\left[4\,x\right]+b\,Cosh\left[4\,x\right]+b\,Cosh\left[4\,x\right]+b\,Cosh\left[4\,x\right]+b\,Cosh\left[4\,x\right]+b\,Cosh\left[4\,x\right]+b\,Cosh\left[4\,x\right]+b\,Cosh\left[4\,x\right]+b\,Cosh\left[4\,x\right]+b\,Cosh\left[4\,x\right]+b\,Cosh\left[4\,x\right]+b\,Cosh\left[4\,x\right]+b\,Cosh\left[4\,x\right]+b\,Cosh\left[4\,x\right]+b\,Cosh\left[4\,x\right]+b\,Cosh\left[4\,x\right]+b\,Cosh\left[4\,x\right]+b\,Cosh\left[4\,x\right]+b\,Cosh\left[4\,x\right]+b\,Cosh\left[4\,x\right]+b\,Cosh\left[4\,x\right]+b\,Cosh\left[4\,x\right]+b\,Cosh\left[4\,x\right]+b\,Cosh\left[4\,x\right]+b\,Cosh\left[4\,x\right]+b\,Cosh\left[4\,x\right]+b\,Cosh\left[4\,x\right]+b\,Cosh\left[4\,x\right]+b\,Cosh\left[4\,x\right]+b\,Cosh\left[4\,x\right]+b\,Cosh\left[4\,x\right]+b\,Cosh\left[4\,x\right]+b\,Cosh\left[4\,x\right]+b\,Cosh\left[4\,x\right]+b\,Cosh\left[4\,x\right]+b\,Cosh\left[4\,x\right]+b\,Cosh\left[4\,x\right]+b\,Cosh\left[4\,x\right]+b\,Cosh\left[4\,x\right]+b\,Cosh\left[4\,x\right]+b\,Cosh\left[4\,x\right]+b\,Cosh\left[4\,x\right]+b\,Cosh\left[4\,x\right]+b\,Cosh\left[4\,x\right]+b\,Cosh\left[4\,x\right]+b\,Cosh\left[4\,x\right]+b\,Cosh\left[4\,x\right]+b\,Cosh\left[4\,x\right]+b\,Cosh\left[4\,x\right]+b\,Cosh\left[4\,x\right]+b\,Cosh\left[4\,x\right]+b\,Cosh\left[4\,x\right]+b\,Cosh\left[4\,x\right]+b\,Cosh\left[4\,x\right]+b\,Cosh\left[4\,x\right]+b\,Cosh\left[4\,x\right]+b\,Cosh\left[4\,x\right]+b\,Cosh\left[4\,x\right]+b\,Cosh\left[4\,x\right]+b\,Cosh\left[4\,x\right]+b\,Cosh\left[4\,x\right]+b\,Cosh\left[4\,x\right]+b\,Cosh\left[4\,x\right]+b\,Cosh\left[4\,x\right]+b\,Cosh\left[4\,x\right]+b\,Cosh\left[4\,x\right]+b\,Cosh\left[4\,x\right]+b\,Cosh\left[4\,x\right]+b\,Cosh\left[4\,x\right]+b\,Cosh\left[4\,x\right]+b\,Cosh\left[4\,x\right]+b\,Cosh\left[4\,x\right]+b\,Cosh\left[4\,x\right]+b\,Cosh\left[4\,x\right]+b\,Cosh\left[4\,x\right]+b\,Cosh\left[4\,x\right]+b\,Cosh\left[4\,x\right]+b\,Cosh\left[4\,x\right]+b\,Cosh\left[4\,x\right]+b\,Cosh\left[4\,x\right]+b\,Cosh\left[4\,x\right]+b\,Cosh\left[4\,x\right]+b\,Cosh\left[4\,x\right]+b\,Cosh\left[4\,x\right]+b\,Cosh\left[4\,x\right]+b\,Cosh\left[4\,x\right]+b\,Cosh\left[4\,x\right]+b\,Cosh\left[4\,x\right]+b\,Cosh\left[4\,x\right]+b\,Cosh\left[4\,x\right]+b\,Cosh\left[4\,x\right]+b\,Cosh\left[4\,x\right]+b\,Cosh\left[4\,x\right]+b\,Cosh\left[4\,x\right]+b\,Cosh\left[4\,x\right]+b\,Cosh\left[4\,x\right]+b\,Cosh\left[4\,x\right]+b\,Cosh\left[4\,x\right]+b\,Cosh\left[4\,x\right]+b\,Cosh\left[4\,x\right]+b\,Cosh\left[4\,x\right]+b\,Cosh\left[4\,x\right]+b\,Cosh\left[4\,x\right]+b\,Cosh\left[4\,x\right]+b\,Cosh\left[4\,x\right]+b\,Cosh\left[4\,x\right]+b\,Cosh\left[4\,x\right]+b\,Cosh\left[4\,x\right]+b\,Cosh\left[4\,x\right]+b\,Cosh\left[4\,x\right]+b\,Cosh\left[4\,x\right]+b\,Cosh\left[4\,x\right]+b\,Cosh\left[4\,x\right]+b\,Cosh\left[4\,x\right]+b\,Cosh\left[4\,x\right]+b\,Cosh\left[4\,x\right]+b\,Cosh\left[4\,x\right]+b\,Cosh\left[4\,x\right]+b\,Cosh\left[4\,x\right]+b\,Cosh\left[4\,x\right]+b\,Cosh\left[4\,x\right]+b\,Cosh\left[4\,x\right]+b\,Cosh\left[4\,x\right]+b\,Cosh\left[4\,x\right]+b\,Cosh\left[4\,x\right]+b\,Cosh\left[4\,x\right]+b\,Cosh\left[4\,x\right]+b\,Cosh\left[4\,x\right]+b\,Cosh\left[4\,x\right]+b\,Cosh\left[4\,x\right]+b\,Cosh\left[4\,x\right]+b\,Cosh\left[4\,x\right]+b\,Cosh\left[4\,x\right]+b\,Cosh\left[4\,x\right]+b\,Cosh\left[4\,
                                                                                                                                 \texttt{c} \; \texttt{Cosh[4\,x])} \; + \; \texttt{b} \; (3 \; \texttt{a} \; - \; \texttt{b} \; + \; \texttt{3} \; \texttt{c} \; - \; \texttt{4} \; \texttt{a} \; \texttt{Cosh[2\,x]} \; + \; \texttt{4} \; \texttt{c} \; \texttt{Cosh[4\,x]} \; + \; \texttt{b} \; \texttt{Cosh[4\,x]} \; + \; \texttt{b} \; \texttt{Cosh[4\,x]} \; + \; \texttt{c} \; \texttt{Cosh[4\,x]} \; ) \; + \; \texttt{b} \; \texttt{cosh[4\,x]} \; + \; \texttt{c} \; \texttt{cosh[4\,x]} \; +
                                                                                                c (3 a - b + 3 c - 4 a Cosh[2 x] + 4 c Cosh[2 x] + a Cosh[4 x] + b Cosh[4 x] + c Cosh[4 x]))
\sqrt{\left[\frac{1}{a+b+c}\left(-2b-4c+\sqrt{2}\sqrt{2b^2-8ac+a(3a-b+3c-4aCosh[2x]+4cCosh[2x]+aCosh[4x]+bCosh[4x]+bCosh[4x]+bCosh[4x]+bCosh[4x]+bCosh[4x]+bCosh[4x]+bCosh[4x]+bCosh[4x]+bCosh[4x]+bCosh[4x]+bCosh[4x]+bCosh[4x]+bCosh[4x]+bCosh[4x]+bCosh[4x]+bCosh[4x]+bCosh[4x]+bCosh[4x]+bCosh[4x]+bCosh[4x]+bCosh[4x]+bCosh[4x]+bCosh[4x]+bCosh[4x]+bCosh[4x]+bCosh[4x]+bCosh[4x]+bCosh[4x]+bCosh[4x]+bCosh[4x]+bCosh[4x]+bCosh[4x]+bCosh[4x]+bCosh[4x]+bCosh[4x]+bCosh[4x]+bCosh[4x]+bCosh[4x]+bCosh[4x]+bCosh[4x]+bCosh[4x]+bCosh[4x]+bCosh[4x]+bCosh[4x]+bCosh[4x]+bCosh[4x]+bCosh[4x]+bCosh[4x]+bCosh[4x]+bCosh[4x]+bCosh[4x]+bCosh[4x]+bCosh[4x]+bCosh[4x]+bCosh[4x]+bCosh[4x]+bCosh[4x]+bCosh[4x]+bCosh[4x]+bCosh[4x]+bCosh[4x]+bCosh[4x]+bCosh[4x]+bCosh[4x]+bCosh[4x]+bCosh[4x]+bCosh[4x]+bCosh[4x]+bCosh[4x]+bCosh[4x]+bCosh[4x]+bCosh[4x]+bCosh[4x]+bCosh[4x]+bCosh[4x]+bCosh[4x]+bCosh[4x]+bCosh[4x]+bCosh[4x]+bCosh[4x]+bCosh[4x]+bCosh[4x]+bCosh[4x]+bCosh[4x]+bCosh[4x]+bCosh[4x]+bCosh[4x]+bCosh[4x]+bCosh[4x]+bCosh[4x]+bCosh[4x]+bCosh[4x]+bCosh[4x]+bCosh[4x]+bCosh[4x]+bCosh[4x]+bCosh[4x]+bCosh[4x]+bCosh[4x]+bCosh[4x]+bCosh[4x]+bCosh[4x]+bCosh[4x]+bCosh[4x]+bCosh[4x]+bCosh[4x]+bCosh[4x]+bCosh[4x]+bCosh[4x]+bCosh[4x]+bCosh[4x]+bCosh[4x]+bCosh[4x]+bCosh[4x]+bCosh[4x]+bCosh[4x]+bCosh[4x]+bCosh[4x]+bCosh[4x]+bCosh[4x]+bCosh[4x]+bCosh[4x]+bCosh[4x]+bCosh[4x]+bCosh[4x]+bCosh[4x]+bCosh[4x]+bCosh[4x]+bCosh[4x]+bCosh[4x]+bCosh[4x]+bCosh[4x]+bCosh[4x]+bCosh[4x]+bCosh[4x]+bCosh[4x]+bCosh[4x]+bCosh[4x]+bCosh[4x]+bCosh[4x]+bCosh[4x]+bCosh[4x]+bCosh[4x]+bCosh[4x]+bCosh[4x]+bCosh[4x]+bCosh[4x]+bCosh[4x]+bCosh[4x]+bCosh[4x]+bCosh[4x]+bCosh[4x]+bCosh[4x]+bCosh[4x]+bCosh[4x]+bCosh[4x]+bCosh[4x]+bCosh[4x]+bCosh[4x]+bCosh[4x]+bCosh[4x]+bCosh[4x]+bCosh[4x]+bCosh[4x]+bCosh[4x]+bCosh[4x]+bCosh[4x]+bCosh[4x]+bCosh[4x]+bCosh[4x]+bCosh[4x]+bCosh[4x]+bCosh[4x]+bCosh[4x]+bCosh[4x]+bCosh[4x]+bCosh[4x]+bCosh[4x]+bCosh[4x]+bCosh[4x]+bCosh[4x]+bCosh[4x]+bCosh[4x]+bCosh[4x]+bCosh[4x]+bCosh[4x]+bCosh[4x]+bCosh[4x]+bCosh[4x]+bCosh[4x]+bCosh[4x]+bCosh[4x]+bCosh[4x]+bCosh[4x]+bCosh[4x]+bCosh[4x]+bCo
                                                                                                                                 \texttt{c} \; \texttt{Cosh} [\, 4 \; \mathbf{x} \,] \;) \; + \; \texttt{b} \; (\, 3 \; \texttt{a} \; - \; \texttt{b} \; + \; 3 \; \texttt{c} \; - \; 4 \; \texttt{a} \; \texttt{Cosh} [\, 2 \; \mathbf{x} \,] \; + \; 4 \; \texttt{c} \; \texttt{Cosh} [\, 2 \; \mathbf{x} \,] \; + \; \texttt{a} \; \texttt{Cosh} [\, 4 \; \mathbf{x} \,] \; + \; \texttt{b} \; \texttt{Cosh} [\, 4 \; \mathbf{x} \,] \; + \; \texttt{c} \; \texttt{Cosh} [\, 4 \; \mathbf{x} \,] \;) \; + \; \texttt{c} \; \texttt{cosh} [\, 4 \; \mathbf{x} \,] \; + \; \texttt{c} \; \texttt{cosh} [\, 4 \; \mathbf{x} \,] \; + \; \texttt{c} \; \texttt{cosh} [\, 4 \; \mathbf{x} \,] \; + \; \texttt{c} \; \texttt{cosh} [\, 4 \; \mathbf{x} \,] \; + \; \texttt{c} \; \texttt{cosh} [\, 4 \; \mathbf{x} \,] \; + \; \texttt{c} \; \texttt{cosh} [\, 4 \; \mathbf{x} \,] \; + \; \texttt{c} \; \texttt{cosh} [\, 4 \; \mathbf{x} \,] \; + \; \texttt{c} \; \texttt{cosh} [\, 4 \; \mathbf{x} \,] \; + \; \texttt{c} \; \texttt{cosh} [\, 4 \; \mathbf{x} \,] \; + \; \texttt{c} \; \texttt{cosh} [\, 4 \; \mathbf{x} \,] \; + \; \texttt{c} \; \texttt{cosh} [\, 4 \; \mathbf{x} \,] \; + \; \texttt{c} \; \texttt{cosh} [\, 4 \; \mathbf{x} \,] \; + \; \texttt{c} \; \texttt{cosh} [\, 4 \; \mathbf{x} \,] \; + \; \texttt{c} \; \texttt{cosh} [\, 4 \; \mathbf{x} \,] \; + \; \texttt{c} \; \texttt{cosh} [\, 4 \; \mathbf{x} \,] \; + \; \texttt{c} \; \texttt{cosh} [\, 4 \; \mathbf{x} \,] \; + \; \texttt{c} \; \texttt{cosh} [\, 4 \; \mathbf{x} \,] \; + \; \texttt{c} \; \texttt{cosh} [\, 4 \; \mathbf{x} \,] \; + \; \texttt{c} \; \texttt{cosh} [\, 4 \; \mathbf{x} \,] \; + \; \texttt{c} \; \texttt{cosh} [\, 4 \; \mathbf{x} \,] \; + \; \texttt{c} \; \texttt{cosh} [\, 4 \; \mathbf{x} \,] \; + \; \texttt{c} \; \texttt{cosh} [\, 4 \; \mathbf{x} \,] \; + \; \texttt{c} \; \texttt{cosh} [\, 4 \; \mathbf{x} \,] \; + \; \texttt{c} \; \texttt{cosh} [\, 4 \; \mathbf{x} \,] \; + \; \texttt{c} \; \texttt{cosh} [\, 4 \; \mathbf{x} \,] \; + \; \texttt{c} \; \texttt{cosh} [\, 4 \; \mathbf{x} \,] \; + \; \texttt{c} \; \texttt{cosh} [\, 4 \; \mathbf{x} \,] \; + \; \texttt{c} \; \texttt{cosh} [\, 4 \; \mathbf{x} \,] \; + \; \texttt{c} \; \texttt{cosh} [\, 4 \; \mathbf{x} \,] \; + \; \texttt{c} \; \texttt{cosh} [\, 4 \; \mathbf{x} \,] \; + \; \texttt{c} \; \texttt{cosh} [\, 4 \; \mathbf{x} \,] \; + \; \texttt{c} \; \texttt{cosh} [\, 4 \; \mathbf{x} \,] \; + \; \texttt{c} \; \texttt{cosh} [\, 4 \; \mathbf{x} \,] \; + \; \texttt{c} \; \texttt{cosh} [\, 4 \; \mathbf{x} \,] \; + \; \texttt{c} \; \texttt{cosh} [\, 4 \; \mathbf{x} \,] \; + \; \texttt{c} \; \texttt{cosh} [\, 4 \; \mathbf{x} \,] \; + \; \texttt{c} \; \texttt{cosh} [\, 4 \; \mathbf{x} \,] \; + \; \texttt{c} \; \texttt{cosh} [\, 4 \; \mathbf{x} \,] \; + \; \texttt{c} \; \texttt{cosh} [\, 4 \; \mathbf{x} \,] \; + \; \texttt{c} \; \texttt{cosh} [\, 4 \; \mathbf{x} \,] \; + \; \texttt{c} \; \texttt{cosh} [\, 4 \; \mathbf{x} \,] \; + \; \texttt{c} \; \texttt{cosh} [\, 4 \; \mathbf{x} \,] \; + \; \texttt{c} \; \texttt{cosh} [\, 4 \; \mathbf{x} \,] \; + \; \texttt{c} \; \texttt{cosh} [\, 4 \; \mathbf{x} \,] \; + \; \texttt{c} \; \texttt{cosh} [\, 4 \; \mathbf{x} \,] \; + \; \texttt{c} \; \texttt{cosh} [\, 4 \; \mathbf{x} \,] \; + \; \texttt{c} \; \texttt{cosh} [\, 4 \; \mathbf{x} \,] \; + \; \texttt{c} \; \texttt{cosh} [\, 4 \; \mathbf{x} \,] \; + \; \texttt{c} \; \texttt{cosh} [\, 4 \; \mathbf{x} \,] \; + \;
                                                                                                c(3a-b+3c-4aCosh[2x]+4cCosh[2x]+aCosh[4x]+bCosh[4x]+cCosh[4x]))
   2a-2c+\sqrt{2}\sqrt{2b^2-8ac+a(3a-b+3c-4a\cosh[2x]+4c\cosh[2x]+a\cosh[4x]+b\cosh[4x]+b\cosh[4x]+c\cosh[4x])}
                                                               b \; (3 \; a \; -b \; + \; 3 \; c \; -4 \; a \; Cosh[\; 2 \; x] \; + \; 4 \; c \; Cosh[\; 2 \; x] \; + \; a \; Cosh[\; 4 \; x] \; + \; b \; Cosh[\; 4 \; x] \; + \; c \; Cosh[\; 4 \; x] \; ) \; + \; c \; Cosh[\; 4 \; x] \; ) \; + \; c \; Cosh[\; 4 \; x] \; ) \; + \; c \; Cosh[\; 4 \; x] \; ) \; + \; c \; Cosh[\; 4 \; x] \; ) \; + \; c \; Cosh[\; 4 \; x] \; ) \; + \; c \; Cosh[\; 4 \; x] \; ) \; + \; c \; Cosh[\; 4 \; x] \; ) \; + \; c \; Cosh[\; 4 \; x] \; ) \; + \; c \; Cosh[\; 4 \; x] \; ) \; + \; c \; Cosh[\; 4 \; x] \; ) \; + \; c \; Cosh[\; 4 \; x] \; ) \; + \; c \; Cosh[\; 4 \; x] \; ) \; + \; c \; Cosh[\; 4 \; x] \; ) \; + \; c \; Cosh[\; 4 \; x] \; ) \; + \; c \; Cosh[\; 4 \; x] \; ) \; + \; c \; Cosh[\; 4 \; x] \; ) \; + \; c \; Cosh[\; 4 \; x] \; ) \; + \; c \; Cosh[\; 4 \; x] \; ) \; + \; c \; Cosh[\; 4 \; x] \; ) \; + \; c \; Cosh[\; 4 \; x] \; ) \; + \; c \; Cosh[\; 4 \; x] \; ) \; + \; c \; Cosh[\; 4 \; x] \; ) \; + \; c \; Cosh[\; 4 \; x] \; ) \; + \; c \; Cosh[\; 4 \; x] \; ) \; + \; c \; Cosh[\; 4 \; x] \; ) \; + \; c \; Cosh[\; 4 \; x] \; ) \; + \; c \; Cosh[\; 4 \; x] \; ) \; + \; c \; Cosh[\; 4 \; x] \; ) \; + \; c \; Cosh[\; 4 \; x] \; ) \; + \; c \; Cosh[\; 4 \; x] \; ) \; + \; c \; Cosh[\; 4 \; x] \; ) \; + \; c \; Cosh[\; 4 \; x] \; ) \; + \; c \; Cosh[\; 4 \; x] \; ) \; + \; c \; Cosh[\; 4 \; x] \; ) \; + \; c \; Cosh[\; 4 \; x] \; ) \; + \; c \; Cosh[\; 4 \; x] \; ) \; + \; c \; Cosh[\; 4 \; x] \; ) \; + \; c \; Cosh[\; 4 \; x] \; ) \; + \; c \; Cosh[\; 4 \; x] \; ) \; + \; c \; Cosh[\; 4 \; x] \; ) \; + \; c \; Cosh[\; 4 \; x] \; ) \; + \; c \; Cosh[\; 4 \; x] \; ) \; + \; c \; Cosh[\; 4 \; x] \; ) \; + \; c \; Cosh[\; 4 \; x] \; ) \; + \; c \; Cosh[\; 4 \; x] \; ) \; + \; c \; Cosh[\; 4 \; x] \; ) \; + \; c \; Cosh[\; 4 \; x] \; ) \; + \; c \; Cosh[\; 4 \; x] \; ) \; + \; c \; Cosh[\; 4 \; x] \; ) \; + \; c \; Cosh[\; 4 \; x] \; ) \; + \; c \; Cosh[\; 4 \; x] \; ) \; + \; c \; Cosh[\; 4 \; x] \; ) \; + \; c \; Cosh[\; 4 \; x] \; ) \; + \; c \; Cosh[\; 4 \; x] \; + \; c \; Cosh[\; 4 \; x] \; ) \; + \; c \; Cosh[\; 4 \; x] \; ) \; + \; c \; Cosh[\; 4 \; x] \; + \; c \; Cosh[\; 4 \; x] \; ) \; + \; c \; Cosh[\; 4 \; x] \; + \; c \; Cosh[\; 4 \; x] \; + \; c \; Cosh[\; 4 \; x] \; + \; c \; Cosh[\; 4 \; x] \; + \; c \; Cosh[\; 4 \; x] \; + \; c \; Cosh[\; 4 \; x] \; + \; c \; Cosh[\; 4 \; x] \; + \; c \; Cosh[\; 4 \; x] \; + \; c \; Cosh[\; 4 \; x] \; + \; c \; Cosh[\; 4 \; x] \; + \; c \; Cosh[\; 4 \; x] \; + \; 
                                                              c(3a-b+3c-4aCosh[2x]+4cCosh[2x]+aCosh[4x]+bCosh[4x]+cCosh[4x]))
\sqrt{\left[-1 + \frac{1}{2(a+b+c)} \left(2a-2c+\sqrt{2}\sqrt{(2b^2-8ac+a(3a-b+3c-4a\cosh[2x]+4c\cosh[2x]+a\cosh[4x]+a\cosh[4x]+a\cosh[4x]+a\cosh[4x]+a\cosh[4x]+a\cosh[4x]+a\cosh[4x]+a\cosh[4x]+a\cosh[4x]+a\cosh[4x]+a\cosh[4x]+a\cosh[4x]+a\cosh[4x]+a\cosh[4x]+a\cosh[4x]+a\cosh[4x]+ah}\right]}
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b\, Cosh\, [\, 4\,\, x\,] \,\, + c\, Cosh\, [\, 4\,\, x\,] \,\, ) \,\, + b\,\, (\, 3\,\, a\, - b\, + \, 3\,\, c\, - \, 4\,\, a\, Cosh\, [\, 2\,\, x\,] \,\, + \, 4\,\, c\, Cosh\, [\, 2\,\, x\,] \,\, + \, a\, Cosh\, [\, 4\,\, x\,] \,\, + \, b\, 
                                                                                                                                                           c \cosh[4x] + c (3a - b + 3c - 4a \cosh[2x] + 4c \cosh[2x] + a \cosh[4x] + b \cosh[4x] + c \cosh[4x] + c \cosh[4x])
b \, Cosh[4 \, x] + c \, Cosh[4 \, x]) + b \, (3 \, a - b + 3 \, c - 4 \, a \, Cosh[2 \, x] + 4 \, c \, Cosh[2 \, x] + a \, Cosh[4 \, x] + b \, Cosh[4 \,
                                                                                                                                                           c \cosh[4x] + c (3a - b + 3c - 4a \cosh[2x] + 4c \cosh[2x] + a \cosh[4x] + b \cosh[4x] + c \cosh[4x])
   \sqrt{(3 a - b + 3 c - 4 (a - c) Cosh[2 x] + (a + b + c) Cosh[4 x]) Csch[x]^{4}} + c Cosh[2 x]
     (3 a - b + 3 c - 4 (a - c) Cosh[2x] + (a + b + c) Cosh[4x])
      2 \text{ a} \sqrt{3 \text{ a} - \text{b} + 3 \text{ c} - 4 \text{ a} \text{ Cosh}[2 \text{ x}] + 4 \text{ c} \text{ Cosh}[2 \text{ x}] + \text{a} \text{ Cosh}[4 \text{ x}] + \text{b} \text{ Cosh}[4 \text{ x}] + \text{c} \text{ Cosh}[4 \text{ x}]}
                         2 b \sqrt{3} a - b + 3 c - 4 a Cosh[2 x] + 4 c Cosh[2 x] + a Cosh[4 x] + b Cosh[4 x] + c Cosh[4 x] + c Cosh[4 x]
                         2 c \sqrt{3 a - b + 3 c - 4 a \cosh[2 x] + 4 c \cosh[2 x] + a \cosh[4 x] + b \cosh[4 x] + c \cosh[4 x]}
 \sqrt{\left(\frac{1}{2^{-1}b^{-1}a^{-1}}\left(-2b-4c+\sqrt{2}\sqrt{2b^{2}-8ac+a(3a-b+3c-4a\cosh[2x]+4c\cosh[2x]+a\cosh[4x]+b\cosh[4x]+b\cosh[4x]+b\cosh[4x]+b\cosh[4x]+b\cosh[4x]+b\cosh[4x]+b\cosh[4x]+b\cosh[4x]+b\cosh[4x]+b\cosh[4x]+b\cosh[4x]+b\cosh[4x]+b\cosh[4x]+b\cosh[4x]+b\cosh[4x]+b\cosh[4x]+b\cosh[4x]+b\cosh[4x]+b\cosh[4x]+b\cosh[4x]+b\cosh[4x]+b\cosh[4x]+b\cosh[4x]+b\cosh[4x]+b\cosh[4x]+b\cosh[4x]+b\cosh[4x]+b\cosh[4x]+b\cosh[4x]+b\cosh[4x]+b\cosh[4x]+b\cosh[4x]+b\cosh[4x]+b\cosh[4x]+b\cosh[4x]+b\cosh[4x]+b\cosh[4x]+b\cosh[4x]+b\cosh[4x]+b\cosh[4x]+b\cosh[4x]+b\cosh[4x]+b\cosh[4x]+b\cosh[4x]+b\cosh[4x]+b\cosh[4x]+b\cosh[4x]+b\cosh[4x]+b\cosh[4x]+b\cosh[4x]+b\cosh[4x]+b\cosh[4x]+b\cosh[4x]+b\cosh[4x]+b\cosh[4x]+bhanden + bhanden + bh
                                                                                                                                                \verb| c Cosh[4x]| + b (3a-b+3c-4aCosh[2x]+4cCosh[2x]+aCosh[4x]+bCosh[4x]+cCosh[4x]) + | c Cosh[4x]| + | c Cosh
                                                                                                            c (3 a - b + 3 c - 4 a Cosh[2 x] + 4 c Cosh[2 x] + a Cosh[4 x] + b Cosh[4 x] + c Cosh[4 x]))
                                                                                                       -\frac{\text{ArcTanh}\left[\begin{array}{c} \sqrt{3 \text{ a-b+3 c-4 a } \text{Cosh}[2 \text{ x}] + 4 \text{ c } \text{Cosh}[2 \text{ x}] + a \text{ Cosh}[4 \text{ x}] + b \text{ Cosh}[4 \text{ x}] + c \text{ Cosh}[4 \text{ x}]}{2 \sqrt{c}} \right]}{2 \sqrt{c}}
                       \frac{1}{2\sqrt{c}} \operatorname{ArcTanh} \left[ \left( (b + 2c) \sqrt{3 a - b + 3 c - 4 a \operatorname{Cosh}[2x] + 4 c \operatorname{Cosh}[2x] + a \operatorname{Cosh}[4x] + b \operatorname{Cosh}[4x] + c \operatorname{Cosh}[4x] \right] \right]
                                                              2\sqrt{c}\sqrt{(2b^2-8ac+a(3a-b+3c-4aCosh[2x]+4cCosh[2x]+aCosh[4x]+bCosh[4x]+cCosh[4x])}
                                                                                                                         \texttt{b} \; ( \; \texttt{3} \; \texttt{a} \; - \; \texttt{b} \; + \; \texttt{3} \; \texttt{c} \; - \; \texttt{4} \; \texttt{a} \; \texttt{Cosh}[ \; \texttt{2} \; \texttt{x} ] \; + \; \texttt{4} \; \texttt{c} \; \texttt{Cosh}[ \; \texttt{2} \; \texttt{x} ] \; + \; \texttt{a} \; \texttt{Cosh}[ \; \texttt{4} \; \texttt{x} ] \; + \; \texttt{b} \; \texttt{Cosh}[ \; \texttt{4} \; \texttt{x} ] \; + \; \texttt{c} \; \texttt{Cosh}[ \; \texttt{4} \; \texttt{x} ] \; ) \; + \; \texttt{c} \; \texttt{cosh}[ \; \texttt{4} \; \texttt{x} ] \; + \; \texttt{c} \; \texttt{cosh}[ \; \texttt{4} \; \texttt{x} ] \; ) \; + \; \texttt{cosh}[ \; \texttt{4} \; \texttt{x} ] \; + \; \texttt{cosh}[ \; \texttt{4} \; \texttt{x} ] \; + \; \texttt{cosh}[ \; \texttt{4} \; \texttt{x} ] \; + \; \texttt{cosh}[ \; \texttt{4} \; \texttt{x} ] \; ) \; + \; \texttt{cosh}[ \; \texttt{4} \; \texttt{x} ] \; + \; \texttt{cosh}[ \; \texttt{4} \; \texttt{x} ] \; + \; \texttt{cosh}[ \; \texttt{4} \; \texttt{x} ] \; ) \; + \; \texttt{cosh}[ \; \texttt{4} \; \texttt{x} ] \; + \; \texttt{cosh}[ \; \texttt{4} \; \texttt{x} ] \; + \; \texttt{cosh}[ \; \texttt{4} \; \texttt{x} ] \; + \; \texttt{cosh}[ \; \texttt{4} \; \texttt{x} ] \; + \; \texttt{cosh}[ \; \texttt{4} \; \texttt{x} ] \; + \; \texttt{cosh}[ \; \texttt{4} \; \texttt{x} ] \; + \; \texttt{cosh}[ \; \texttt{4} \; \texttt{x} ] \; + \; \texttt{cosh}[ \; \texttt{4} \; \texttt{x} ] \; + \; \texttt{cosh}[ \; \texttt{4} \; \texttt{x} ] \; + \; \texttt{cosh}[ \; \texttt{4} \; \texttt{x} ] \; + \; \texttt{cosh}[ \; \texttt{4} \; \texttt{x} ] \; + \; \texttt{cosh}[ \; \texttt{4} \; \texttt{x} ] \; + \; \texttt{cosh}[ \; \texttt{4} \; \texttt{x} ] \; + \; \texttt{cosh}[ \; \texttt{4} \; \texttt{x} ] \; + \; \texttt{cosh}[ \; \texttt{4} \; \texttt{x} ] \; + \; \texttt{cosh}[ \; \texttt{4} \; \texttt{x} ] \; + \; \texttt{cosh}[ \; \texttt{4} \; \texttt{x} ] \; + \; \texttt{cosh}[ \; \texttt{4} \; \texttt{x} ] \; + \; \texttt{cosh}[ \; \texttt{4} \; \texttt{x} ] \; + \; \texttt{cosh}[ \; \texttt{4} \; \texttt{x} ] \; + \; \texttt{cosh}[ \; \texttt{4} \; \texttt{x} ] \; + \; \texttt{cosh}[ \; \texttt{4} \; \texttt{x} ] \; + \; \texttt{cosh}[ \; \texttt{4} \; \texttt{x} ] \; + \; \texttt{cosh}[ \; \texttt{4} \; \texttt{x} ] \; + \; \texttt{cosh}[ \; \texttt{4} \; \texttt{x} ] \; + \; \texttt{cosh}[ \; \texttt{4} \; \texttt{x} ] \; + \; \texttt{cosh}[ \; \texttt{4} \; \texttt{x} ] \; + \; \texttt{cosh}[ \; \texttt{4} \; \texttt{x} ] \; + \; \texttt{cosh}[ \; \texttt{4} \; \texttt{x} ] \; + \; \texttt{cosh}[ \; \texttt{4} \; \texttt{x} ] \; + \; \texttt{cosh}[ \; \texttt{4} \; \texttt{x} ] \; + \; \texttt{cosh}[ \; \texttt{4} \; \texttt{x} ] \; + \; \texttt{cosh}[ \; \texttt{4} \; \texttt{x} ] \; + \; \texttt{cosh}[ \; \texttt{4} \; \texttt{x} ] \; + \; \texttt{cosh}[ \; \texttt{4} \; \texttt{x} ] \; + \; \texttt{cosh}[ \; \texttt{4} \; \texttt{x} ] \; + \; \texttt{cosh}[ \; \texttt{4} \; \texttt{x} ] \; + \; \texttt{cosh}[ \; \texttt{4} \; \texttt{x} ] \; + \; \texttt{cosh}[ \; \texttt{4} \; \texttt{x} ] \; + \; \texttt{cosh}[ \; \texttt{4} \; \texttt{x} ] \; + \; \texttt{cosh}[ \; \texttt{4} \; \texttt{x} ] \; + \; \texttt{cosh}[ \; \texttt{4} \; \texttt{x} ] \; + \; \texttt{cosh}[ \; \texttt{4} \; \texttt{x} ] \; + \; \texttt{cosh}[ \; \texttt{4} \; \texttt{x} ] \; + \; \texttt{cosh}[ \; \texttt{4} \; \texttt{x} ] \; + \; \texttt{cosh}[ \; \texttt{4} \; \texttt{x} ] \; + \; \texttt{cosh}[ \; \texttt{4} \; \texttt{x} ] \; + \; \texttt{cosh}[ \; \texttt{4}
                                                                                                                         c(3a-b+3c-4aCosh[2x]+4cCosh[2x]+aCosh[4x]+bCosh[4x]+cCosh[4x])))
                           \frac{1}{\sqrt{a+b+c}} \log \left[ 2 \left( a \sqrt{3 a-b+3 c-4 a \cosh [2 x]+4 c \cosh [2 x]+a \cosh [4 x]+b \cosh [4 x]+c \cosh [4 x]} \right. \right. + \\ \left. \left( a \sqrt{3 a-b+3 c-4 a \cosh [2 x]+4 c \cosh [2 x]+a \cosh [4 x]+b \cosh [4 x]+b \cosh [4 x]} \right) \right] + \\ \left[ \left( a \sqrt{3 a-b+3 c-4 a \cosh [2 x]+4 c \cosh [2 x]+a \cosh [4 x]+b \cosh [4 x]+b
                                                                                    b\sqrt{3}a - b + 3c - 4a Cosh[2x] + 4c Cosh[2x] + a Cosh[4x] + b Cosh[4x] + c Cosh[4x] + c Cosh[4x]
                                                                                      {\tt c}\,\sqrt{\,3\,{\tt a}\,-\,{\tt b}\,+\,3\,{\tt c}\,-\,4\,{\tt a}\,{\tt Cosh}[\,2\,{\tt x}\,]\,+\,4\,{\tt c}\,{\tt Cosh}[\,2\,{\tt x}\,]\,+\,{\tt a}\,{\tt Cosh}[\,4\,{\tt x}\,]\,+\,{\tt b}\,{\tt Cosh}[\,4\,{\tt x}\,]\,+\,{\tt c}\,{\tt Cosh}[\,4\,{\tt x}\,]\,+\,{\tt d}\,{\tt c}\,{\tt cosh}[\,4\,{\tt x}\,]\,+\,{\tt d}\,{\tt cosh}[\,4\,{\tt cosh}[\,4\,{\tt x}\,]\,+\,{\tt d}\,{\tt cosh}[\,4\,{\tt cosh}[\,4\,{\tt x}\,]\,+\,{\tt d}\,{\tt cosh}[\,4\,{\tt cosh}[\,4\,{\tt cosh}[\,4\,{\tt cosh}[\,4\,{\tt cosh}[\,4\,{\tt 
                                                                                                  \sqrt{(2b^2 - 8ac + a(3a - b + 3c - 4aCosh[2x] + 4cCosh[2x] + aCosh[4x] + bCosh[4x] + cCosh[4x])}
                                                                                                                                   b\ (3\ a-b+3\ c-4\ a\ Cosh[2\ x]\ +\ 4\ c\ Cosh[2\ x]\ +\ a\ Cosh[4\ x]\ +\ b\ Cosh[4\ x]\ +\ c\ Cosh[4\ x]\ )\ +
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 \texttt{c} \; (3 \; \texttt{a} \; - \; \texttt{b} \; + \; 3 \; \texttt{c} \; - \; 4 \; \texttt{a} \; \texttt{Cosh} [\; 2 \; \texttt{x}\;] \; + \; 4 \; \texttt{c} \; \texttt{Cosh} [\; 2 \; \texttt{x}\;] \; + \; \texttt{a} \; \texttt{Cosh} [\; 4 \; \texttt{x}\;] \; + \; \texttt{b} \; \texttt{Cosh} [\; 4 \; \texttt{x}\;] \; + \; \texttt{c} \; \texttt{Cosh} [\; 4 \; \texttt{x}\;] \; ) 
                                                                                                                                                                                                                                                    b \operatorname{Csch}[x]^2 \operatorname{Sinh}[2x]
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       c \operatorname{Csch}[x]^2 \operatorname{Sinh}[2x]
                                              3a-b+3c-4(a-c) Cosh[2x] + (a+b+c) Cosh[4x]
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     \sqrt{3 a - b + 3 c - 4 (a - c) \cosh[2 x] + (a + b + c) \cosh[4 x]}
                                                                                                                                                                                           c Cosh[2x] Csch[x]^2 Sinh[2x]
                                      \sqrt{3 a - b + 3 c - 4 (a - c) \cosh[2 x] + (a + b + c) \cosh[4 x]}
    (-4 \text{ a Sinh}[2 \text{ x}] + 4 \text{ c Sinh}[2 \text{ x}] + 2 \text{ a Sinh}[4 \text{ x}] + 2 \text{ b Sinh}[4 \text{ x}] + 2 \text{ c Sinh}[4 \text{ x}])
    (a (-8 a Sinh[2x] + 8 c Sinh[2x] + 4 a Sinh[4x] + 4 b Sinh[4x] + 4 c Sinh[4x]) +
                             b(-8 a Sinh[2x] + 8 c Sinh[2x] + 4 a Sinh[4x] + 4 b Sinh[4x] + 4 c Sinh[4x]) +
                              \texttt{c} \, \left( -8\,\texttt{a}\, \texttt{Sinh} \, [\, 2\,\, x \,] \, + \, 8\,\,\texttt{c}\,\, \texttt{Sinh} \, [\, 2\,\, x \,] \, + \, 4\,\,\texttt{a}\,\, \texttt{Sinh} \, [\, 4\,\, x \,] \, + \, 4\,\,\texttt{b}\,\, \texttt{Sinh} \, [\, 4\,\, x \,] \, + \, 4\,\,\texttt{c}\,\, \texttt{Sinh} \, [\, 4\,\, x \,] \, \right) \, )
      (b-c-c \cosh[2x]) \sqrt{3} a-b+3 c-4 a \cosh[2x]+4 c \cosh[2x]+a \cosh[4x]+b \cosh[4x]+c \cosh[4x]
      \left(2 \ b^2 - 8 \ a \ c + a \ (3 \ a - b + 3 \ c - 4 \ a \ Cosh[2 \ x] + 4 \ c \ Cosh[2 \ x] + a \ Cosh[4 \ x] + b \ Cosh[4 \ x] + c \ Cosh[4 \ x] \right) + c \ Cosh[4 \ x] + c \ 
                            \texttt{b} \; ( \; 3 \; \texttt{a} \; - \; \texttt{b} \; + \; 3 \; \texttt{c} \; - \; 4 \; \texttt{a} \; \texttt{Cosh}[ \; 2 \; \texttt{x} ] \; + \; 4 \; \texttt{c} \; \texttt{Cosh}[ \; 2 \; \texttt{x} ] \; + \; \texttt{a} \; \texttt{Cosh}[ \; 4 \; \texttt{x} ] \; + \; \texttt{b} \; \texttt{Cosh}[ \; 4 \; \texttt{x} ] \; + \; \texttt{c} \; \texttt{Cosh}[ \; 4 \; \texttt{x} ] \; ) \; + \; \texttt{cosh}[ \; 4 \; \texttt{x} ] \; + \; \texttt{cosh}[ \; 4 \; \texttt{x} ] \; + \; \texttt{cosh}[ \; 4 \; \texttt{x} ] \; ) \; + \; \texttt{cosh}[ \; 4 \; \texttt{x} ] \; + \; \texttt{cosh}[ \; 4 \; \texttt{x} ] \; + \; \texttt{cosh}[ \; 4 \; \texttt{x} ] \; + \; \texttt{cosh}[ \; 4 \; \texttt{x} ] \; + \; \texttt{cosh}[ \; 4 \; \texttt{x} ] \; ) \; + \; \texttt{cosh}[ \; 4 \; \texttt{x} ] \; + \; \texttt{cosh}[ \; 4 \; \texttt{x} ] \; + \; \texttt{cosh}[ \; 4 \; \texttt{x} ] \; + \; \texttt{cosh}[ \; 4 \; \texttt{x} ] \; + \; \texttt{cosh}[ \; 4 \; \texttt{x} ] \; + \; \texttt{cosh}[ \; 4 \; \texttt{x} ] \; + \; \texttt{cosh}[ \; 4 \; \texttt{x} ] \; + \; \texttt{cosh}[ \; 4 \; \texttt{x} ] \; + \; \texttt{cosh}[ \; 4 \; \texttt{x} ] \; + \; \texttt{cosh}[ \; 4 \; \texttt{x} ] \; + \; \texttt{cosh}[ \; 4 \; \texttt{x} ] \; + \; \texttt{cosh}[ \; 4 \; \texttt{x} ] \; + \; \texttt{cosh}[ \; 4 \; \texttt{x} ] \; + \; \texttt{cosh}[ \; 4 \; \texttt{x} ] \; + \; \texttt{cosh}[ \; 4 \; \texttt{x} ] \; + \; \texttt{cosh}[ \; 4 \; \texttt{x} ] \; + \; \texttt{cosh}[ \; 4 \; \texttt{x} ] \; + \; \texttt{cosh}[ \; 4 \; \texttt{x} ] \; + \; \texttt{cosh}[ \; 4 \; \texttt{x} ] \; + \; \texttt{cosh}[ \; 4 \; \texttt{x} ] \; + \; \texttt{cosh}[ \; 4 \; \texttt{x} ] \; + \; \texttt{cosh}[ \; 4 \; \texttt{x} ] \; + \; \texttt{cosh}[ \; 4 \; \texttt{x} ] \; + \; \texttt{cosh}[ \; 4 \; \texttt{x} ] \; + \; \texttt{cosh}[ \; 4 \; \texttt{x} ] \; + \; \texttt{cosh}[ \; 4 \; \texttt{x} ] \; + \; \texttt{cosh}[ \; 4 \; \texttt{x} ] \; + \; \texttt{cosh}[ \; 4 \; \texttt{x} ] \; + \; \texttt{cosh}[ \; 4 \; \texttt{x} ] \; + \; \texttt{cosh}[ \; 4 \; \texttt{x} ] \; + \; \texttt{cosh}[ \; 4 \; \texttt{x} ] \; + \; \texttt{cosh}[ \; 4 \; \texttt{x} ] \; + \; \texttt{cosh}[ \; 4 \; \texttt{x} ] \; + \; \texttt{cosh}[ \; 4 \; \texttt{x} ] \; + \; \texttt{cosh}[ \; 4 \; \texttt{x} ] \; + \; \texttt{cosh}[ \; 4 \; \texttt{x} ] \; + \; \texttt{cosh}[ \; 4 \; \texttt{x} ] \; + \; \texttt{cosh}[ \; 4 \; \texttt{x} ] \; + \; \texttt{cosh}[ \; 4 \; \texttt{x} ] \; + \; \texttt{cosh}[ \; 4 \; \texttt{x} ] \; + \; \texttt{cosh}[ \; 4 \; \texttt{x} ] \; + \; \texttt{cosh}[ \; 4 \; \texttt{x} ] \; + \; \texttt{cosh}[ \; 4 \; \texttt{x} ] \; + \; \texttt{cosh}[ \; 4 \; \texttt{x} ] \; + \; \texttt{cosh}[ \; 4 \; \texttt{x} ] \; + \; \texttt{cosh}[ \; 4 \; \texttt{x} ] \; + \; \texttt{cosh}[ \; 4 \; \texttt{x} ] \; + \; \texttt{cosh}[ \; 4 \; \texttt{x} ] \; + \; \texttt{cosh}[ \; 4 \; \texttt{x} ] \; + \; \texttt{cosh}[ \; 4 \; \texttt{x} ] \; + \; \texttt{cosh}[ \; 4 \; \texttt{x} ] \; + \; \texttt{cosh}[ \; 4 \; \texttt{x} ] \; + \; \texttt{cosh}[ \; 4 \; \texttt{x} ] \; + \; \texttt{cosh}[ \; 4 \; \texttt{x} ] \; + \; \texttt{cosh}[ \; 4 \; \texttt{x} ] \; + \; \texttt{cosh}[ \; 4 \; \texttt{x} ] \; + \; \texttt{co
                             c(3a-b+3c-4aCosh[2x]+4cCosh[2x]+aCosh[4x]+bCosh[4x]+cCosh[4x])
            \frac{1}{a+b+c} \left( 4\,a+2\,b+\sqrt{2}\,\,\sqrt{\left(2\,b^2-8\,a\,c+a\,\left(3\,a-b+3\,c-4\,a\,Cosh[\,2\,x\,]\right.+4\,c\,Cosh[\,2\,x\,]\right.} \right. \\ \left. + a\,Cosh[\,4\,x\,] + b\,Cosh[\,4\,x\,] + b\,Cosh[\,4\,x\,] + b\,Cosh[\,4\,x\,] \right) + \left( 2\,b^2-8\,a\,c+a\,\left(3\,a-b+3\,c-4\,a\,Cosh[\,2\,x\,]\right. \right) \\ \left. + a\,Cosh[\,2\,x\,] + a\,Cosh[\,4\,x\,] + b\,Cosh[\,4\,x\,] \right) + \left( 2\,b^2-8\,a\,c+a\,\left(3\,a-b+3\,c-4\,a\,Cosh[\,2\,x\,]\right) \right) + \left( 2\,b^2-8\,a\,c+a\,\left(3\,a-b+3\,c-4\,a\,Cosh[\,2\,x\,]\right) \right) \\ \left. + a\,Cosh[\,2\,x\,] + a\,Cosh[\,4\,x\,] + b\,Cosh[\,4\,x\,] \right) + \left( 2\,b^2-8\,a\,c+a\,\left(3\,a-b+3\,c-4\,a\,Cosh[\,2\,x\,]\right) \right) + \left( 2\,b^2-8\,a\,c+a\,\left(3\,a-b+3\,c-4\,a\,Cosh[\,2\,x\,]\right) \right) \\ \left. + a\,Cosh[\,2\,x\,] + a\,Cosh[\,4\,x\,] + b\,Cosh[\,4\,x\,] \right) + \left( 2\,b^2-8\,a\,c+a\,\left(3\,a-b+3\,c-4\,a\,Cosh[\,2\,x\,]\right) \right) \\ \left. + a\,Cosh[\,2\,x\,] + a\,Cosh[\,4\,x\,] + b\,Cosh[\,4\,x\,] \right) + \left( 2\,b^2-8\,a\,c+a\,\left(3\,a-b+3\,c-4\,a\,Cosh[\,2\,x\,]\right) \right) \\ \left. + a\,Cosh[\,2\,x\,] + a\,Cosh[\,4\,x\,] + b\,Cosh[\,4\,x\,] \right) + \left( 2\,b^2-8\,a\,c+a\,\left(3\,a-b+3\,c-4\,a\,Cosh[\,2\,x\,]\right) \right) \\ \left. + a\,Cosh[\,2\,x\,] + a\,Cosh[\,2\,x\,] \right) + a\,Cosh[\,2\,x\,] +
                                                                                                                                                                                  \texttt{c} \; \texttt{Cosh} \left[ \; 4 \; \mathbf{x} \; \right] \; ) \; + \; \texttt{b} \; \left( \; 3 \; a \; - \; b \; + \; 3 \; c \; - \; 4 \; a \; \texttt{Cosh} \left[ \; 2 \; \mathbf{x} \; \right] \; + \; 4 \; c \; \texttt{Cosh} \left[ \; 2 \; \mathbf{x} \; \right] \; + \; a \; \texttt{Cosh} \left[ \; 4 \; \mathbf{x} \; \right] \; + \; b \; \texttt{Cosh} \left[ \; 4 \; \mathbf{x} \; \right] \; + \; c \; \texttt{Cosh} \left[ \; 4 \; \mathbf{x} \; \right] \; ) \; + \; b \; \texttt{Cosh} \left[ \; 4 \; \mathbf{x} \; \right] \; + \; b \; \texttt{Cosh} \left[ \; 4 \; \mathbf{x} \; \right] \; + \; b \; \texttt{Cosh} \left[ \; 4 \; \mathbf{x} \; \right] \; + \; b \; \texttt{Cosh} \left[ \; 4 \; \mathbf{x} \; \right] \; + \; b \; \texttt{Cosh} \left[ \; 4 \; \mathbf{x} \; \right] \; + \; b \; \texttt{Cosh} \left[ \; 4 \; \mathbf{x} \; \right] \; + \; b \; \texttt{Cosh} \left[ \; 4 \; \mathbf{x} \; \right] \; + \; b \; \texttt{Cosh} \left[ \; 4 \; \mathbf{x} \; \right] \; + \; b \; \texttt{Cosh} \left[ \; 4 \; \mathbf{x} \; \right] \; + \; b \; \texttt{Cosh} \left[ \; 4 \; \mathbf{x} \; \right] \; + \; b \; \texttt{Cosh} \left[ \; 4 \; \mathbf{x} \; \right] \; + \; b \; \texttt{Cosh} \left[ \; 4 \; \mathbf{x} \; \right] \; + \; b \; \texttt{Cosh} \left[ \; 4 \; \mathbf{x} \; \right] \; + \; b \; \texttt{Cosh} \left[ \; 4 \; \mathbf{x} \; \right] \; + \; b \; \texttt{Cosh} \left[ \; 4 \; \mathbf{x} \; \right] \; + \; b \; \texttt{Cosh} \left[ \; 4 \; \mathbf{x} \; \right] \; + \; b \; \texttt{Cosh} \left[ \; 4 \; \mathbf{x} \; \right] \; + \; b \; \texttt{Cosh} \left[ \; 4 \; \mathbf{x} \; \right] \; + \; b \; \texttt{Cosh} \left[ \; 4 \; \mathbf{x} \; \right] \; + \; b \; \texttt{Cosh} \left[ \; 4 \; \mathbf{x} \; \right] \; + \; b \; \texttt{Cosh} \left[ \; 4 \; \mathbf{x} \; \right] \; + \; b \; \texttt{Cosh} \left[ \; 4 \; \mathbf{x} \; \right] \; + \; b \; \texttt{Cosh} \left[ \; 4 \; \mathbf{x} \; \right] \; + \; b \; \texttt{Cosh} \left[ \; 4 \; \mathbf{x} \; \right] \; + \; b \; \texttt{Cosh} \left[ \; 4 \; \mathbf{x} \; \right] \; + \; b \; \texttt{Cosh} \left[ \; 4 \; \mathbf{x} \; \right] \; + \; b \; \texttt{Cosh} \left[ \; 4 \; \mathbf{x} \; \right] \; + \; b \; \texttt{Cosh} \left[ \; 4 \; \mathbf{x} \; \right] \; + \; b \; \texttt{Cosh} \left[ \; 4 \; \mathbf{x} \; \right] \; + \; b \; \texttt{Cosh} \left[ \; 4 \; \mathbf{x} \; \right] \; + \; b \; \texttt{Cosh} \left[ \; 4 \; \mathbf{x} \; \right] \; + \; b \; \texttt{Cosh} \left[ \; 4 \; \mathbf{x} \; \right] \; + \; b \; \texttt{Cosh} \left[ \; 4 \; \mathbf{x} \; \right] \; + \; b \; \texttt{Cosh} \left[ \; 4 \; \mathbf{x} \; \right] \; + \; b \; \texttt{Cosh} \left[ \; 4 \; \mathbf{x} \; \right] \; + \; b \; \texttt{Cosh} \left[ \; 4 \; \mathbf{x} \; \right] \; + \; b \; \texttt{Cosh} \left[ \; 4 \; \mathbf{x} \; \right] \; + \; b \; \texttt{Cosh} \left[ \; 4 \; \mathbf{x} \; \right] \; + \; b \; \texttt{Cosh} \left[ \; 4 \; \mathbf{x} \; \right] \; + \; b \; \texttt{Cosh} \left[ \; 4 \; \mathbf{x} \; \right] \; + \; b \; \texttt{Cosh} \left[ \; 4 \; \mathbf{x} \; \right] \; + \; b \; \texttt{Cosh} \left[ \; 4 \; \mathbf{x} \; \right] \; + \; b \; \texttt{Cosh} \left[ \; 4 \; \mathbf{x} \; \right] \; + \; b \; \texttt{Cosh} \left[ \; 4 \; \mathbf{x} \; \right] \; + \; b \; \texttt{Cosh} \left[ \; 4 \; \mathbf{x} \; \right] \; + \; b \; \texttt{Cosh} \left[ \; 4 \; \mathbf{x} \; \right] \; + \; b \; \texttt{Cosh} \left[ \; 4 \; \mathbf{x} \; \right] \; + \; b \; \texttt{Cosh} \left[ \; 4 \;
                                                                                                                                      c (3 a - b + 3 c - 4 a Cosh[2 x] + 4 c Cosh[2 x] + a Cosh[4 x] + b Cosh[4 x] + c Cosh[4 x]))
      2 - 2 + \sqrt{2} \sqrt{(2b^2 - 8ac + a(3a - b + 3c - 4aCosh[2x] + 4cCosh[2x] + aCosh[4x] + bCosh[4x] + cCosh[4x])}
                                                                                        b \; (3 \; a \; -b \; + \; 3 \; c \; - \; 4 \; a \; Cosh[\; 2 \; x] \; + \; 4 \; c \; Cosh[\; 2 \; x] \; + \; a \; Cosh[\; 4 \; x] \; + \; b \; Cosh[\; 4 \; x] \; + \; c \; Cosh[\; 4 \; x] \; ) \; + \; c \; Cosh[\; 4 \; x] \; ) \; + \; c \; Cosh[\; 4 \; x] \; ) \; + \; c \; Cosh[\; 4 \; x] \; ) \; + \; c \; Cosh[\; 4 \; x] \; ) \; + \; c \; Cosh[\; 4 \; x] \; ) \; + \; c \; Cosh[\; 4 \; x] \; ) \; + \; c \; Cosh[\; 4 \; x] \; ) \; + \; c \; Cosh[\; 4 \; x] \; ) \; + \; c \; Cosh[\; 4 \; x] \; ) \; + \; c \; Cosh[\; 4 \; x] \; ) \; + \; c \; Cosh[\; 4 \; x] \; ) \; + \; c \; Cosh[\; 4 \; x] \; ) \; + \; c \; Cosh[\; 4 \; x] \; ) \; + \; c \; Cosh[\; 4 \; x] \; ) \; + \; c \; Cosh[\; 4 \; x] \; ) \; + \; c \; Cosh[\; 4 \; x] \; ) \; + \; c \; Cosh[\; 4 \; x] \; ) \; + \; c \; Cosh[\; 4 \; x] \; ) \; + \; c \; Cosh[\; 4 \; x] \; ) \; + \; c \; Cosh[\; 4 \; x] \; ) \; + \; c \; Cosh[\; 4 \; x] \; ) \; + \; c \; Cosh[\; 4 \; x] \; ) \; + \; c \; Cosh[\; 4 \; x] \; ) \; + \; c \; Cosh[\; 4 \; x] \; ) \; + \; c \; Cosh[\; 4 \; x] \; ) \; + \; c \; Cosh[\; 4 \; x] \; ) \; + \; c \; Cosh[\; 4 \; x] \; ) \; + \; c \; Cosh[\; 4 \; x] \; ) \; + \; c \; Cosh[\; 4 \; x] \; ) \; + \; c \; Cosh[\; 4 \; x] \; ) \; + \; c \; Cosh[\; 4 \; x] \; ) \; + \; c \; Cosh[\; 4 \; x] \; ) \; + \; c \; Cosh[\; 4 \; x] \; ) \; + \; c \; Cosh[\; 4 \; x] \; ) \; + \; c \; Cosh[\; 4 \; x] \; ) \; + \; c \; Cosh[\; 4 \; x] \; ) \; + \; c \; Cosh[\; 4 \; x] \; ) \; + \; c \; Cosh[\; 4 \; x] \; ) \; + \; c \; Cosh[\; 4 \; x] \; ) \; + \; c \; Cosh[\; 4 \; x] \; ) \; + \; c \; Cosh[\; 4 \; x] \; ) \; + \; c \; Cosh[\; 4 \; x] \; ) \; + \; c \; Cosh[\; 4 \; x] \; ) \; + \; c \; Cosh[\; 4 \; x] \; ) \; + \; c \; Cosh[\; 4 \; x] \; ) \; + \; c \; Cosh[\; 4 \; x] \; ) \; + \; c \; Cosh[\; 4 \; x] \; ) \; + \; c \; Cosh[\; 4 \; x] \; ) \; + \; c \; Cosh[\; 4 \; x] \; ) \; + \; c \; Cosh[\; 4 \; x] \; ) \; + \; c \; Cosh[\; 4 \; x] \; ) \; + \; c \; Cosh[\; 4 \; x] \; ) \; + \; c \; Cosh[\; 4 \; x] \; ) \; + \; c \; Cosh[\; 4 \; x] \; ) \; + \; c \; Cosh[\; 4 \; x] \; ) \; + \; c \; Cosh[\; 4 \; x] \; ) \; + \; c \; Cosh[\; 4 \; x] \; ) \; + \; c \; Cosh[\; 4 \; x] \; ) \; + \; c \; Cosh[\; 4 \; x] \; ) \; + \; c \; Cosh[\; 4 \; x] \; ) \; + \; c \; Cosh[\; 4 \; x] \; ) \; + \; c \; Cosh[\; 4 \; x] \; ) \; + \; c \; Cosh[\; 4 \; x] \; + \; c \; Cosh[\; 4 \; x] \; ) \; + \; c \; Cosh[\; 4 \; x] \; ) \; + \; c \; Cosh[\; 4 \; x] \; ) \; + \; c \; Cosh[\; 4 \; x] \; + \; c \; Cosh[
                                                                                         c(3a-b+3c-4aCosh[2x]+4cCosh[2x]+aCosh[4x]+bCosh[4x]+cCosh[4x]))
\sqrt{\left[-1 + \frac{1}{2 (a + b + c)} \left(2 a - 2 c + \sqrt{2} \sqrt{\left(2 b^2 - 8 a c + a (3 a - b + 3 c - 4 a Cosh[2 x] + 4 c Cosh[2 x] + a Cosh[4 x] + a Cosh[
                                                                                                                                                                                                 b \, Cosh[\, 4 \, x] \, + c \, Cosh[\, 4 \, x] \, ) \, + b \, (\, 3 \, a - b + \, 3 \, c - \, 4 \, a \, Cosh[\, 2 \, x] \, + \, 4 \, c \, Cosh[\, 2 \, x] \, + \, a \, Cosh[\, 4 \, x] \, + \, b \, Cosh[\, 4 \, x] \, + \, b \, Cosh[\, 4 \, x] \, + \, b \, Cosh[\, 4 \, x] \, + \, b \, Cosh[\, 4 \, x] \, + \, b \, Cosh[\, 4 \, x] \, + \, b \, Cosh[\, 4 \, x] \, + \, b \, Cosh[\, 4 \, x] \, + \, b \, Cosh[\, 4 \, x] \, + \, b \, Cosh[\, 4 \, x] \, + \, b \, Cosh[\, 4 \, x] \, + \, b \, Cosh[\, 4 \, x] \, + \, b \, Cosh[\, 4 \, x] \, + \, b \, Cosh[\, 4 \, x] \, + \, b \, Cosh[\, 4 \, x] \, + \, b \, Cosh[\, 4 \, x] \, + \, b \, Cosh[\, 4 \, x] \, + \, b \, Cosh[\, 4 \, x] \, + \, b \, Cosh[\, 4 \, x] \, + \, b \, Cosh[\, 4 \, x] \, + \, b \, Cosh[\, 4 \, x] \, + \, b \, Cosh[\, 4 \, x] \, + \, b \, Cosh[\, 4 \, x] \, + \, b \, Cosh[\, 4 \, x] \, + \, b \, Cosh[\, 4 \, x] \, + \, b \, Cosh[\, 4 \, x] \, + \, b \, Cosh[\, 4 \, x] \, + \, b \, Cosh[\, 4 \, x] \, + \, b \, Cosh[\, 4 \, x] \, + \, b \, Cosh[\, 4 \, x] \, + \, b \, Cosh[\, 4 \, x] \, + \, b \, Cosh[\, 4 \, x] \, + \, b \, Cosh[\, 4 \, x] \, + \, b \, Cosh[\, 4 \, x] \, + \, b \, Cosh[\, 4 \, x] \, + \, b \, Cosh[\, 4 \, x] \, + \, b \, Cosh[\, 4 \, x] \, + \, b \, Cosh[\, 4 \, x] \, + \, b \, Cosh[\, 4 \, x] \, + \, b \, Cosh[\, 4 \, x] \, + \, b \, Cosh[\, 4 \, x] \, + \, b \, Cosh[\, 4 \, x] \, + \, b \, Cosh[\, 4 \, x] \, + \, b \, Cosh[\, 4 \, x] \, + \, b \, Cosh[\, 4 \, x] \, + \, b \, Cosh[\, 4 \, x] \, + \, b \, Cosh[\, 4 \, x] \, + \, b \, Cosh[\, 4 \, x] \, + \, b \, Cosh[\, 4 \, x] \, + \, b \, Cosh[\, 4 \, x] \, + \, b \, Cosh[\, 4 \, x] \, + \, b \, Cosh[\, 4 \, x] \, + \, b \, Cosh[\, 4 \, x] \, + \, b \, Cosh[\, 4 \, x] \, + \, b \, Cosh[\, 4 \, x] \, + \, b \, Cosh[\, 4 \, x] \, + \, b \, Cosh[\, 4 \, x] \, + \, b \, Cosh[\, 4 \, x] \, + \, b \, Cosh[\, 4 \, x] \, + \, b \, Cosh[\, 4 \, x] \, + \, b \, Cosh[\, 4 \, x] \, + \, b \, Cosh[\, 4 \, x] \, + \, b \, Cosh[\, 4 \, x] \, + \, b \, Cosh[\, 4 \, x] \, + \, b \, Cosh[\, 4 \, x] \, + \, b \, Cosh[\, 4 \, x] \, + \, b \, Cosh[\, 4 \, x] \, + \, b \, Cosh[\, 4 \, x] \, + \, b \, Cosh[\, 4 \, x] \, + \, b \, Cosh[\, 4 \, x] \, + \, b \, Cosh[\, 4 \, x] \, + \, b \, Cosh[\, 4 \, x] \, + \, b \, Cosh[\, 4 \, x] \, + \, b \, Cosh[\, 4 \, x] \, + \, b \, Cosh[\, 4 \, x] \, + \, b \, Cosh[\, 4 \, x] \, + \, b \, Cosh[\, 4 \, x] \, + \, b \, Cosh[\, 4 \, x] \, + \, b \, Cosh[\, 4 \, x] \, + \, b \, Cosh[\, 4 
                                                                                                                                                                                                 \texttt{cCosh[4\,x])} + \texttt{c} \; (3\,\texttt{a} - \texttt{b} + 3\,\texttt{c} - 4\,\texttt{aCosh[2\,x]} + 4\,\texttt{cCosh[2\,x]} + \text{aCosh[4\,x]} + \text{bCosh[4\,x]} + \text{bCosh[4\,x]}))
\sqrt{\left[1 + \frac{1}{2(a+b+c)} \left(2a-2c+\sqrt{2}\sqrt{2b^2-8ac+a(3a-b+3c-4a\cosh[2x]+4c\cosh[2x]+a\cosh[4x]+a\cosh[4x]+a\cosh[4x]+a\cosh[4x]+a\cosh[4x]+a\cosh[4x]+a\cosh[4x]+a\cosh[4x]+a\cosh[4x]+a\cosh[4x]+a\cosh[4x]+a\cosh[4x]+a\cosh[4x]+a\cosh[4x]+a\cosh[4x]+a\cosh[4x]+a\cosh[4x]+a\cosh[4x]+a\cosh[4x]+a\cosh[4x]+a\cosh[4x]+a\cosh[4x]+a\cosh[4x]+a\cosh[4x]+a\cosh[4x]+a\cosh[4x]+a\cosh[4x]+a\cosh[4x]+a\cosh[4x]+a\cosh[4x]+a\cosh[4x]+a\cosh[4x]+a\cosh[4x]+a\cosh[4x]+a\cosh[4x]+ah[4x]+ah[4x]+ah[4x]+ah[4x]+ah[4x]+ah[4x]+ah[4x]+ah[4x]+ah[4x]+ah[4x]+ah[4x]+ah[4x]+ah[4x]+ah[4x]+ah[4x]+ah[4x]+ah[4x]+ah[4x]+ah[4x]+ah[4x]+ah[4x]+ah[4x]+ah[4x]+ah[4x]+ah[4x]+ah[4x]+ah[4x]+ah[4x]+ah[4x]+ah[4x]+ah[4x]+ah[4x]+ah[4x]+ah[4x]+ah[4x]+ah[4x]+ah[4x]+ah[4x]+ah[4x]+ah[4x]+ah[4x]+ah[4x]+ah[4x]+ah[4x]+ah[4x]+ah[4x]+ah[4x]+ah[4x]+ah[4x]+ah[4x]+ah[4x]+ah[4x]+ah[4x]+ah[4x]+ah[4x]+ah[4x]+ah[4x]+ah[4x]+ah[4x]+ah[4x]+ah[4x]+ah[4x]+ah[4x]+ah[4x]+ah[4x]+ah[4x]+ah[4x]+ah[4x]+ah[4x]+ah[4x]+ah[4x]+ah[4x]+ah[4x]+ah[4x]+ah[4x]+ah[4x]+ah[4x]+ah[4x]+ah[4x]+ah[4x]+ah[4x]+ah[4x]+ah[4x]+ah[4x]+ah[4x]+ah[4x]+ah[4x]+ah[4x]+ah[4x]+ah[4x]+ah[4x]+ah[4x]+ah[4x]+ah[4x]+ah[4x]+ah[4x]+ah[4x]+ah[4x]+ah[4x]+ah[4x]+ah[4x]+ah[4x]+ah[4x]+ah[4x]+ah[4x]+ah[4x]+ah[4x]+ah[4x]+ah[4x]+ah[4x]+ah[4x]+ah[4x]+ah[4x]+ah[4x]+ah[4x]+ah[4x]+ah[4x]+ah[4x]+ah[4x]+ah[4x]+ah[4x]+ah[4x]+ah[4x]+ah[4x]+ah[4x]+ah[4x]+ah[4x]+ah[4x]+ah[4x]+ah[4x]+ah[4x]+ah[4x]+ah[4x]+ah[4x]+ah[4x]+ah[4x]+ah[4x]+ah[4x]+ah[4x]+ah[4x]+ah[4x]+ah[4x]+ah[4x]+ah[4x]+ah[4x]+ah[4x]+ah[4x]+ah[4x]+ah[4x]+ah[4x]+ah[4x]+ah[4x]+ah[4x]+ah[4x]+ah[4x]+ah[4x]+ah[4x]+ah[4x]+ah[4x]+ah[4x]+ah[4x]+ah[4x]+ah[4x]+ah[4x]+ah[4x]+ah[4x]+ah[4x]+ah[4x]+ah[4x]+ah[4x]+ah[4x]+ah[4x]+ah[4x]+ah[4x]+ah[4x]+ah[4x]+ah[4x]+ah[4x]+ah[4x]+ah[4x]+ah[4x]+ah[4x]+ah[4x]+ah[4x]+ah[4x]+ah[4x]+ah[4x]+ah[4x]+ah[4x]+ah[4x]+ah[4x]+ah[4x]+ah[4x]+ah[4x]+ah[4x]+ah[4x]+ah[4x]+ah[4x]+ah[4x]+ah[4x]+ah[4x]+ah[4x]+ah[4x]+ah[4x]+ah[4x]+ah[4x]+ah[4x]+ah[4x]+ah[4x]+ah[4x]+ah[4x]+ah[4x]+ah[4x]+ah[4x]+ah[4x]+ah[4x]+ah[4x]+ah[4x]+ah[4x]+ah[4x]+ah[4x]+ah[4x]+ah[4x]+ah[4x]+ah[4x]+ah[4x]+ah[4x]+ah[4x]+ah[4x]+ah[4x]+ah[4x]+ah[4x]+ah[4x]+ah[4x]+ah[4x]+ah[4x]+ah[4x]+ah[4x]+ah[4x]+ah[4x]+ah[4x]+ah[4x]+ah[4x]+ah[4x]+ah[4x]+ah[4x]+ah[4x
                                                                                                                                                                                                 b\, Cosh\, [\, 4\, \, x\, ]\, + c\, Cosh\, [\, 4\, \, x\, ]\, )\, + b\, (\, 3\, a\, -\, b\, +\, 3\, \, c\, -\, 4\, a\, Cosh\, [\, 2\, \, x\, ]\, +\, 4\, c\, Cosh\, [\, 2\, \, x\, ]\, +\, a\, Cosh\, [\, 4\, \, x\, ]\, +\, b\, Cosh\, [\, 4\, \, x\, ]\, +\, b\,
```

 $c \cosh[4x] + c (3a - b + 3c - 4a \cosh[2x] + 4c \cosh[2x] + a \cosh[4x] + b \cosh[4x] + c \cosh[4x])$ 

```
\sqrt{(3 a - b + 3 c - 4 (a - c) Cosh[2 x] + (a + b + c) Cosh[4 x]) Csch[x]}
   (3 a - b + 3 c - 4 (a - c) Cosh[2x] + (a + b + c) Cosh[4x])
        (2 \text{ a} \sqrt{3 \text{ a} - \text{b} + 3 \text{ c} - 4 \text{ a} \text{ Cosh}[2 \text{ x}] + 4 \text{ c} \text{ Cosh}[2 \text{ x}] + \text{a} \text{ Cosh}[4 \text{ x}] + \text{b} \text{ Cosh}[4 \text{ x}] + \text{c} \text{cosh}[4 \text{ x}] + \text
                      2 b \sqrt{3} a - b + 3 c - 4 a Cosh[2 x] + 4 c Cosh[2 x] + a Cosh[4 x] + b Cosh[4 x] + c Cosh[4 x] + c Cosh[4 x]
                      2 c \sqrt{3 a - b + 3 c - 4 a Cosh[2 x] + 4 c Cosh[2 x] + a Cosh[4 x] + b Cosh[4 x] + c Cosh[4 x]}
                                                   \frac{1}{a+b+c} \left( -2b-4c+\sqrt{2} \sqrt{(2b^2-8ac+a(3a-b+3c-4aCosh[2x]+4cCosh[2x]+aCosh[4x]+bCosh[4x]+bCosh[4x]+bCosh[4x]+bCosh[4x]+bCosh[4x]+bCosh[4x]+bCosh[4x]+bCosh[4x]+bCosh[4x]+bCosh[4x]+bCosh[4x]+bCosh[4x]+bCosh[4x]+bCosh[4x]+bCosh[4x]+bCosh[4x]+bCosh[4x]+bCosh[4x]+bCosh[4x]+bCosh[4x]+bCosh[4x]+bCosh[4x]+bCosh[4x]+bCosh[4x]+bCosh[4x]+bCosh[4x]+bCosh[4x]+bCosh[4x]+bCosh[4x]+bCosh[4x]+bCosh[4x]+bCosh[4x]+bCosh[4x]+bCosh[4x]+bCosh[4x]+bCosh[4x]+bCosh[4x]+bCosh[4x]+bCosh[4x]+bCosh[4x]+bCosh[4x]+bCosh[4x]+bCosh[4x]+bCosh[4x]+bCosh[4x]+bCosh[4x]+bCosh[4x]+bCosh[4x]+bCosh[4x]+bCosh[4x]+bCosh[4x]+bCosh[4x]+bCosh[4x]+bCosh[4x]+bCosh[4x]+bCosh[4x]+bCosh[4x]+bCosh[4x]+bCosh[4x]+bCosh[4x]+bCosh[4x]+bCosh[4x]+bCosh[4x]+bCosh[4x]+bCosh[4x]+bCosh[4x]+bCosh[4x]+bCosh[4x]+bCosh[4x]+bCosh[4x]+bCosh[4x]+bCosh[4x]+bCosh[4x]+bCosh[4x]+bCosh[4x]+bCosh[4x]+bCosh[4x]+bCosh[4x]+bCosh[4x]+bCosh[4x]+bCosh[4x]+bCosh[4x]+bCosh[4x]+bCosh[4x]+bCosh[4x]+bCosh[4x]+bCosh[4x]+bCosh[4x]+bCosh[4x]+bCosh[4x]+bCosh[4x]+bCosh[4x]+bCosh[4x]+bCosh[4x]+bCosh[4x]+bCosh[4x]+bCosh[4x]+bCosh[4x]+bCosh[4x]+bCosh[4x]+bCosh[4x]+bCosh[4x]+bCosh[4x]+bCosh[4x]+bCosh[4x]+bCosh[4x]+bCosh[4x]+bCosh[4x]+bCosh[4x]+bCosh[4x]+bCosh[4x]+bCosh[4x]+bCosh[4x]+bCosh[4x]+bCosh[4x]+bCosh[4x]+bCosh[4x]+bCosh[4x]+bCosh[4x]+bCosh[4x]+bCosh[4x]+bCosh[4x]+bCosh[4x]+bCosh[4x]+bCosh[4x]+bCosh[4x]+bCosh[4x]+bCosh[4x]+bCosh[4x]+bCosh[4x]+bCosh[4x]+bCosh[4x]+bCosh[4x]+bCosh[4x]+bCosh[4x]+bCosh[4x]+bCosh[4x]+bCosh[4x]+bCosh[4x]+bCosh[4x]+bCosh[4x]+bCosh[4x]+bCosh[4x]+bCosh[4x]+bCosh[4x]+bCosh[4x]+bCosh[4x]+bCosh[4x]+bCosh[4x]+bCosh[4x]+bCosh[4x]+bCosh[4x]+bCosh[4x]+bCosh[4x]+bCosh[4x]+bCosh[4x]+bCosh[4x]+bCosh[4x]+bCosh[4x]+bCosh[4x]+bCosh[4x]+bCosh[4x]+bCosh[4x]+bCosh[4x]+bCosh[4x]+bCosh[4x]+bCosh[4x]+bCosh[4x]+bCosh[4x]+bCosh[4x]+bCosh[4x]+bCosh[4x]+bCosh[4x]+bCosh[4x]+bCosh[4x]+bCosh[4x]+bCosh[4x]+bCosh[4x]+bCosh[4x]+bCosh[4x]+bCosh[4x]+bCosh[4x]+bCosh[4x]+bCosh[4x]+bCosh[4x]+bCosh[4x]+bCosh[4x]+bCosh[4x]+bCosh[4x]+bCosh[4x]+bCosh[4x]+bCosh[4x]+bCosh[4x]+bCosh[4x]+bCosh[4x]+bCosh[4x]+bCo
                                                                                                                                       \verb| c Cosh[4x]| + b (3a - b + 3c - 4a Cosh[2x] + 4c Cosh[2x] + a Cosh[4x] + b Cosh[4x] + c Cosh[4x]) + c Cosh[4x] + c Co
                                                                                                     c (3 a - b + 3 c - 4 a Cosh[2 x] + 4 c Cosh[2 x] + a Cosh[4 x] + b Cosh[4 x] + c Cosh[4 x]))
                                                                                                         \text{ArcTanh}\Big[\,\frac{\sqrt{\,\text{3 a-b+3 c-4 a Cosh[2\,x]+4 c Cosh[2\,x]+a Cosh[4\,x]+b Cosh[4\,x]+c Cosh[4\,x]}}{2\,\sqrt{2}\,\,\sqrt{c}}\,\Big]
Csch[x]^2
                    \frac{1}{2\sqrt{c}} \operatorname{ArcTanh} \left[ \left( (b+2c) \sqrt{3 a - b + 3 c - 4 a Cosh[2x] + 4 c Cosh[2x] + a Cosh[4x] + b Cosh[4x] + c Cosh[4x]
                                                           2\sqrt{c}\sqrt{(2b^2-8ac+a(3a-b+3c-4aCosh[2x]+4cCosh[2x]+aCosh[4x]+bCosh[4x]+cCosh[4x])}
                                                                                                                 b(3a-b+3c-4aCosh[2x]+4cCosh[2x]+aCosh[4x]+bCosh[4x]+cCosh[4x])
                                                                                                                c(3a-b+3c-4aCosh[2x]+4cCosh[2x]+aCosh[4x]+bCosh[4x]+cCosh[4x])))
                        \frac{1}{\sqrt{a+b+c}} \text{Log} \Big[ 2 \Big( a \sqrt{3 a-b+3 c-4 a \cosh[2 x]+4 c \cosh[2 x]+a \cosh[4 x]+b \cosh[4 x]+c \cosh[4 x]} + \frac{1}{\sqrt{a+b+c}} \Big] \Big] \Big[ \frac{1}{\sqrt{a+b+c}} \Big[ \frac{1}{\sqrt{a+b+c}} \Big[ \frac{1}{\sqrt{a+b+c}} \Big] \Big] \Big[ \frac{1}{\sqrt{a+b+c}} \Big[ \frac{1}{\sqrt{a+b+c}} \Big[ \frac{1}{\sqrt{a+b+c}} \Big[ \frac{1}{\sqrt{a+b+c}} \Big[ \frac{1}{\sqrt{a+b+c}} \Big] \Big[ \frac{1}{\sqrt{a+b+c}} \Big[ \frac{1}{\sqrt{a+b+c}} \Big[ \frac{1}{\sqrt{a+b+c}} \Big[ \frac{1}{\sqrt{a+b+c}} \Big[ \frac{1}{\sqrt{a+b+c}} \Big] \Big[ \frac{1}{\sqrt{a+b+c}} \Big[ \frac{1}{\sqrt{a+b
                                                                             b\sqrt{3}a - b + 3c - 4a Cosh[2x] + 4c Cosh[2x] + a Cosh[4x] + b Cosh[4x] + c Cosh[4x] + c Cosh[4x]
                                                                              c\sqrt{3}a-b+3c-4aCosh[2x]+4cCosh[2x]+aCosh[4x]+bCosh[4x]+cCosh[4x]+\sqrt{a+b+c}
                                                                                           \sqrt{(2b^2 - 8ac + a(3a - b + 3c - 4aCosh[2x] + 4cCosh[2x] + aCosh[4x] + bCosh[4x] + cCosh[4x])}
                                                                                                                            \texttt{b} \; (3 \; \texttt{a} \; - \; \texttt{b} \; + \; 3 \; \texttt{c} \; - \; 4 \; \texttt{a} \; \texttt{Cosh} [\; 2 \; \texttt{x}\;] \; + \; 4 \; \texttt{c} \; \texttt{Cosh} [\; 2 \; \texttt{x}\;] \; + \; \texttt{a} \; \texttt{Cosh} [\; 4 \; \texttt{x}\;] \; + \; \texttt{b} \; \texttt{Cosh} [\; 4 \; \texttt{x}\;] \; + \; \texttt{c} \; \texttt{Cosh} [\; 4 \; \texttt{x}\;] \; ) \; + \; \texttt{c} \; \texttt{cosh} [\; 4 \; \texttt{x}\;] \; + \; \texttt{c} \; \texttt{cosh} [\; 4 \; \texttt{x}\;] \; ) \; + \; \texttt{cosh} [\; 4 \; \texttt{x}\;] \; +
                                                                                                                           c (3 a - b + 3 c - 4 a Cosh[2 x] + 4 c Cosh[2 x] + a Cosh[4 x] + b Cosh[4 x] + c Cosh[4 x]))
                        \frac{1}{\sqrt{3 \, a - b + 3 \, c - 4 \, (a - c) \, Cosh[2 \, x] + (a + b + c) \, Cosh[4 \, x]}} + \frac{1}{\sqrt{3 \, a - b + 3 \, c - 4 \, (a - c) \, Cosh[2 \, x] + (a + b + c) \, Cosh[4 \, x]}}
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      \sqrt{3 a - b + 3 c - 4 (a - c) \cosh[2 x] + (a + b + c) \cosh[4 x]}
                                                                                                                                     c Cosh[2x] Csch[x]^2 Sinh[2x]
                            \sqrt{3 a - b + 3 c - 4 (a - c) \cosh[2 x] + (a + b + c) \cosh[4 x]}
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(-4 \text{ a Sinh}[2x] + 4 \text{ c Sinh}[2x] + 2 \text{ a Sinh}[4x] + 2 \text{ b Sinh}[4x] + 2 \text{ c Sinh}[4x])
                     (a (-8 a Sinh[2x] + 8 c Sinh[2x] + 4 a Sinh[4x] + 4 b Sinh[4x] + 4 c Sinh[4x]) +
                                               b (-8 \text{ a Sinh}[2x] + 8 \text{ c Sinh}[2x] + 4 \text{ a Sinh}[4x] + 4 \text{ b Sinh}[4x] + 4 \text{ c Sinh}[4x]) +
                                                 c (-8 a Sinh[2 x] + 8 c Sinh[2 x] + 4 a Sinh[4 x] + 4 b Sinh[4 x] + 4 c Sinh[4 x]))
\left(2\,b^{2}\,-\,8\,a\,c\,+\,a\,\left(3\,a\,-\,b\,+\,3\,c\,-\,4\,a\,Cosh\left[\,2\,x\,\right]\,+\,4\,c\,Cosh\left[\,2\,x\,\right]\,+\,a\,Cosh\left[\,4\,x\,\right]\,+\,b\,Cosh\left[\,4\,x\,\right]\,+\,c\,Cosh\left[\,4\,x\,\right]\,\right)\,+\,c\,Cosh\left[\,4\,x\,\right]\,+\,c\,Cosh\left[\,4\,x\,\right]\,+\,c\,Cosh\left[\,4\,x\,\right]\,+\,c\,Cosh\left[\,4\,x\,\right]\,+\,c\,Cosh\left[\,4\,x\,\right]\,+\,c\,Cosh\left[\,4\,x\,\right]\,+\,c\,Cosh\left[\,4\,x\,\right]\,+\,c\,Cosh\left[\,4\,x\,\right]\,+\,c\,Cosh\left[\,4\,x\,\right]\,+\,c\,Cosh\left[\,4\,x\,\right]\,+\,c\,Cosh\left[\,4\,x\,\right]\,+\,c\,Cosh\left[\,4\,x\,\right]\,+\,c\,Cosh\left[\,4\,x\,\right]\,+\,c\,Cosh\left[\,4\,x\,\right]\,+\,c\,Cosh\left[\,4\,x\,\right]\,+\,c\,Cosh\left[\,4\,x\,\right]\,+\,c\,Cosh\left[\,4\,x\,\right]\,+\,c\,Cosh\left[\,4\,x\,\right]\,+\,c\,Cosh\left[\,4\,x\,\right]\,+\,c\,Cosh\left[\,4\,x\,\right]\,+\,c\,Cosh\left[\,4\,x\,\right]\,+\,c\,Cosh\left[\,4\,x\,\right]\,+\,c\,Cosh\left[\,4\,x\,\right]\,+\,c\,Cosh\left[\,4\,x\,\right]\,+\,c\,Cosh\left[\,4\,x\,\right]\,+\,c\,Cosh\left[\,4\,x\,\right]\,+\,c\,Cosh\left[\,4\,x\,\right]\,+\,c\,Cosh\left[\,4\,x\,\right]\,+\,c\,Cosh\left[\,4\,x\,\right]\,+\,c\,Cosh\left[\,4\,x\,\right]\,+\,c\,Cosh\left[\,4\,x\,\right]\,+\,c\,Cosh\left[\,4\,x\,\right]\,+\,c\,Cosh\left[\,4\,x\,\right]\,+\,c\,Cosh\left[\,4\,x\,\right]\,+\,c\,Cosh\left[\,4\,x\,\right]\,+\,c\,Cosh\left[\,4\,x\,\right]\,+\,c\,Cosh\left[\,4\,x\,\right]\,+\,c\,Cosh\left[\,4\,x\,\right]\,+\,c\,Cosh\left[\,4\,x\,\right]\,+\,c\,Cosh\left[\,4\,x\,\right]\,+\,c\,Cosh\left[\,4\,x\,\right]\,+\,c\,Cosh\left[\,4\,x\,\right]\,+\,c\,Cosh\left[\,4\,x\,\right]\,+\,c\,Cosh\left[\,4\,x\,\right]\,+\,c\,Cosh\left[\,4\,x\,\right]\,+\,c\,Cosh\left[\,4\,x\,\right]\,+\,c\,Cosh\left[\,4\,x\,\right]\,+\,c\,Cosh\left[\,4\,x\,\right]\,+\,c\,Cosh\left[\,4\,x\,\right]\,+\,c\,Cosh\left[\,4\,x\,\right]\,+\,c\,Cosh\left[\,4\,x\,\right]\,+\,c\,Cosh\left[\,4\,x\,\right]\,+\,c\,Cosh\left[\,4\,x\,\right]\,+\,c\,Cosh\left[\,4\,x\,\right]\,+\,c\,Cosh\left[\,4\,x\,\right]\,+\,c\,Cosh\left[\,4\,x\,\right]\,+\,c\,Cosh\left[\,4\,x\,\right]\,+\,c\,Cosh\left[\,4\,x\,\right]\,+\,c\,Cosh\left[\,4\,x\,\right]\,+\,c\,Cosh\left[\,4\,x\,\right]\,+\,c\,Cosh\left[\,4\,x\,\right]\,+\,c\,Cosh\left[\,4\,x\,\right]\,+\,c\,Cosh\left[\,4\,x\,\right]\,+\,c\,Cosh\left[\,4\,x\,\right]\,+\,c\,Cosh\left[\,4\,x\,\right]\,+\,c\,Cosh\left[\,4\,x\,\right]\,+\,c\,Cosh\left[\,4\,x\,\right]\,+\,c\,Cosh\left[\,4\,x\,\right]\,+\,c\,Cosh\left[\,4\,x\,\right]\,+\,c\,Cosh\left[\,4\,x\,\right]\,+\,c\,Cosh\left[\,4\,x\,\right]\,+\,c\,Cosh\left[\,4\,x\,\right]\,+\,c\,Cosh\left[\,4\,x\,\right]\,+\,c\,Cosh\left[\,4\,x\,\right]\,+\,c\,Cosh\left[\,4\,x\,\right]\,+\,c\,Cosh\left[\,4\,x\,\right]\,+\,c\,Cosh\left[\,4\,x\,\right]\,+\,c\,Cosh\left[\,4\,x\,\right]\,+\,c\,Cosh\left[\,4\,x\,\right]\,+\,c\,Cosh\left[\,4\,x\,\right]\,+\,c\,Cosh\left[\,4\,x\,\right]\,+\,c\,Cosh\left[\,4\,x\,\right]\,+\,c\,Cosh\left[\,4\,x\,\right]\,+\,c\,Cosh\left[\,4\,x\,\right]\,+\,c\,Cosh\left[\,4\,x\,\right]\,+\,c\,Cosh\left[\,4\,x\,\right]\,+\,c\,Cosh\left[\,4\,x\,\right]\,+\,c\,Cosh\left[\,4\,x\,\right]\,+\,c\,Cosh\left[\,4\,x\,\right]\,+\,c\,Cosh\left[\,4\,x\,\right]\,+\,c\,Cosh\left[\,4\,x\,\right]\,+\,c\,Cosh\left[\,4\,x\,\right]\,+\,c\,Cosh\left[\,4\,x\,\right]\,+\,c\,Cosh\left[\,4\,x\,\right]\,+\,c\,Cosh\left[\,4\,x\,\right]\,+\,c\,Cosh\left[\,4\,x\,\right]\,+\,c\,Cosh\left[\,4\,x\,\right]\,+\,c\,Cosh\left[\,4\,x\,\right]\,+\,c\,Cosh\left[\,4\,x\,\right]\,+\,c\,Cosh\left[\,4\,x\,\right]\,+\,c\,Cosh\left[\,4\,x\,\right]\,+\,c\,Cosh\left[\,4\,x\,\right]\,+\,c\,Cosh\left[\,4\,x\,\right]\,+\,c\,Cosh\left[\,4\,x\,\right]\,+\,c\,Cosh\left[\,4\,x\,\right]\,+\,c\,Cosh\left[\,4\,x\,\right]\,+
                                                               b \; (3 \; a \; -b \; + \; 3 \; c \; -4 \; a \; Cosh \lceil 2 \; x \rceil \; + \; 4 \; c \; Cosh \lceil 2 \; x \rceil \; + \; a \; Cosh \lceil 4 \; x \rceil \; + \; b \; Cosh \lceil 4 \; x \rceil \; + \; c \; Cosh \lceil 4 \; x \rceil \; ) \; + \; c \; Cosh \lceil 4 \; x \rceil \; ) \; + \; c \; Cosh \lceil 4 \; x \rceil \; ) \; + \; c \; Cosh \lceil 4 \; x \rceil \; ) \; + \; c \; Cosh \lceil 4 \; x \rceil \; ) \; + \; c \; Cosh \lceil 4 \; x \rceil \; ) \; + \; c \; Cosh \lceil 4 \; x \rceil \; ) \; + \; c \; Cosh \lceil 4 \; x \rceil \; ) \; + \; c \; Cosh \lceil 4 \; x \rceil \; ) \; + \; c \; Cosh \lceil 4 \; x \rceil \; ) \; + \; c \; Cosh \lceil 4 \; x \rceil \; ) \; + \; c \; Cosh \lceil 4 \; x \rceil \; ) \; + \; c \; Cosh \lceil 4 \; x \rceil \; ) \; + \; c \; Cosh \lceil 4 \; x \rceil \; ) \; + \; c \; Cosh \lceil 4 \; x \rceil \; ) \; + \; c \; Cosh \lceil 4 \; x \rceil \; ) \; + \; c \; Cosh \lceil 4 \; x \rceil \; ) \; + \; c \; Cosh \lceil 4 \; x \rceil \; ) \; + \; c \; Cosh \lceil 4 \; x \rceil \; ) \; + \; c \; Cosh \lceil 4 \; x \rceil \; ) \; + \; c \; Cosh \lceil 4 \; x \rceil \; ) \; + \; c \; Cosh \lceil 4 \; x \rceil \; ) \; + \; c \; Cosh \lceil 4 \; x \rceil \; ) \; + \; c \; Cosh \lceil 4 \; x \rceil \; ) \; + \; c \; Cosh \lceil 4 \; x \rceil \; ) \; + \; c \; Cosh \lceil 4 \; x \rceil \; ) \; + \; c \; Cosh \lceil 4 \; x \rceil \; ) \; + \; c \; Cosh \lceil 4 \; x \rceil \; ) \; + \; c \; Cosh \lceil 4 \; x \rceil \; ) \; + \; c \; Cosh \lceil 4 \; x \rceil \; ) \; + \; c \; Cosh \lceil 4 \; x \rceil \; ) \; + \; c \; Cosh \lceil 4 \; x \rceil \; ) \; + \; c \; Cosh \lceil 4 \; x \rceil \; ) \; + \; c \; Cosh \lceil 4 \; x \rceil \; ) \; + \; c \; Cosh \lceil 4 \; x \rceil \; ) \; + \; c \; Cosh \lceil 4 \; x \rceil \; ) \; + \; c \; Cosh \lceil 4 \; x \rceil \; ) \; + \; c \; Cosh \lceil 4 \; x \rceil \; ) \; + \; c \; Cosh \lceil 4 \; x \rceil \; ) \; + \; c \; Cosh \lceil 4 \; x \rceil \; ) \; + \; c \; Cosh \lceil 4 \; x \rceil \; ) \; + \; c \; Cosh \lceil 4 \; x \rceil \; ) \; + \; c \; Cosh \lceil 4 \; x \rceil \; ) \; + \; c \; Cosh \lceil 4 \; x \rceil \; ) \; + \; c \; Cosh \lceil 4 \; x \rceil \; ) \; + \; c \; Cosh \lceil 4 \; x \rceil \; ) \; + \; c \; Cosh \lceil 4 \; x \rceil \; ) \; + \; c \; Cosh \lceil 4 \; x \rceil \; ) \; + \; c \; Cosh \lceil 4 \; x \rceil \; ) \; + \; c \; Cosh \lceil 4 \; x \rceil \; ) \; + \; c \; Cosh \lceil 4 \; x \rceil \; ) \; + \; c \; Cosh \lceil 4 \; x \rceil \; ) \; + \; c \; Cosh \lceil 4 \; x \rceil \; ) \; + \; c \; Cosh \lceil 4 \; x \rceil \; ) \; + \; c \; Cosh \lceil 4 \; x \rceil \; ) \; + \; c \; Cosh \lceil 4 \; x \rceil \; ) \; + \; c \; Cosh \lceil 4 \; x \rceil \; ) \; + \; c \; Cosh \lceil 4 \; x \rceil \; ) \; + \; c \; Cosh \lceil 4 \; x \rceil \; ) \; + \; c \; Cosh \lceil 4 \; x \rceil \; ) \; + \; c \; Cosh \lceil 4 \; x \rceil \; ) \; + \; c \; Cosh \lceil 4 \; x \rceil \; ) \; + \; c \; Cosh \lceil 4 \; x \rceil \; ) \; + \; c \; Cosh \lceil 4 \; x \rceil \; ) \; + \; c \; Cosh \lceil 4 \; x \rceil \; ) \; + \; c \; Cosh \lceil 4 \; x \rceil 
                                                                  \texttt{c} \; \left( \; 3 \; \texttt{a} \; - \; \texttt{b} \; + \; 3 \; \texttt{c} \; - \; 4 \; \texttt{a} \; \texttt{Cosh}[\; 2 \; \texttt{x}] \; + \; 4 \; \texttt{c} \; \texttt{Cosh}[\; 2 \; \texttt{x}] \; + \; \texttt{a} \; \texttt{Cosh}[\; 4 \; \texttt{x}] \; + \; \texttt{b} \; \texttt{Cosh}[\; 4 \; \texttt{x}] \; + \; \texttt{c} \; \texttt{Cosh}[\; 4 \; \texttt{x}] \; \right) \; \right)^{3/2} 
                 \sqrt{\left(\frac{1}{a+b+c}\left(4\,a+2\,b+\sqrt{2}\,\sqrt{\left(2\,b^2-8\,a\,c+a\,\left(3\,a-b+3\,c-4\,a\,Cosh[2\,x]+4\,c\,Cosh[2\,x]+a\,Cosh[4\,x]+b\,Cosh[4\,x]\right)\right.}\right)}
                                                                                                                                                                                                          \verb| c Cosh[4x]| + b (3a-b+3c-4aCosh[2x]+4cCosh[2x]+aCosh[4x]+bCosh[4x]+cCosh[4x]) + | c Cosh[4x]| + | c Cosh
                                                                                                                                                            c (3 a - b + 3 c - 4 a Cosh[2 x] + 4 c Cosh[2 x] + a Cosh[4 x] + b Cosh[4 x] + c Cosh[4 x]))
                          2a-2c+\sqrt{2}\sqrt{2b^2-8ac+a(3a-b+3c-4a\cosh[2x]+4c\cosh[2x]+a\cosh[4x]+b\cosh[4x]+c\cosh[4x]+c\cosh[4x])}
                                                                                                             b \; (3\; a - b + 3\; c - 4\; a\; Cosh \lceil 2\; x \rceil \; + \; 4\; c\; Cosh \lceil 2\; x \rceil \; + \; a\; Cosh \lceil 4\; x \rceil \; + \; b\; Cosh \lceil 4\; x \rceil \; + \; c\; Cosh \lceil 4\; x \rceil \; ) \; + \; b\; Cosh \lceil 4\; x \rceil \; ) \; + \; b\; Cosh \lceil 4\; x \rceil \; ) \; + \; b\; Cosh \lceil 4\; x \rceil \; ) \; + \; b\; Cosh \lceil 4\; x \rceil \; ) \; + \; b\; Cosh \lceil 4\; x \rceil \; ) \; + \; b\; Cosh \lceil 4\; x \rceil \; ) \; + \; b\; Cosh \lceil 4\; x \rceil \; ) \; + \; b\; Cosh \lceil 4\; x \rceil \; ) \; + \; b\; Cosh \lceil 4\; x \rceil \; ) \; + \; b\; Cosh \lceil 4\; x \rceil \; ) \; + \; b\; Cosh \lceil 4\; x \rceil \; ) \; + \; b\; Cosh \lceil 4\; x \rceil \; ) \; + \; b\; Cosh \lceil 4\; x \rceil \; ) \; + \; b\; Cosh \lceil 4\; x \rceil \; ) \; + \; b\; Cosh \lceil 4\; x \rceil \; ) \; + \; b\; Cosh \lceil 4\; x \rceil \; ) \; + \; b\; Cosh \lceil 4\; x \rceil \; ) \; + \; b\; Cosh \lceil 4\; x \rceil \; ) \; + \; b\; Cosh \lceil 4\; x \rceil \; ) \; + \; b\; Cosh \lceil 4\; x \rceil \; ) \; + \; b\; Cosh \lceil 4\; x \rceil \; ) \; + \; b\; Cosh \lceil 4\; x \rceil \; ) \; + \; b\; Cosh \lceil 4\; x \rceil \; ) \; + \; b\; Cosh \lceil 4\; x \rceil \; ) \; + \; b\; Cosh \lceil 4\; x \rceil \; ) \; + \; b\; Cosh \lceil 4\; x \rceil \; ) \; + \; b\; Cosh \lceil 4\; x \rceil \; ) \; + \; b\; Cosh \lceil 4\; x \rceil \; ) \; + \; b\; Cosh \lceil 4\; x \rceil \; ) \; + \; b\; Cosh \lceil 4\; x \rceil \; ) \; + \; b\; Cosh \lceil 4\; x \rceil \; ) \; + \; b\; Cosh \lceil 4\; x \rceil \; ) \; + \; b\; Cosh \lceil 4\; x \rceil \; ) \; + \; b\; Cosh \lceil 4\; x \rceil \; ) \; + \; b\; Cosh \lceil 4\; x \rceil \; ) \; + \; b\; Cosh \lceil 4\; x \rceil \; ) \; + \; b\; Cosh \lceil 4\; x \rceil \; ) \; + \; b\; Cosh \lceil 4\; x \rceil \; ) \; + \; b\; Cosh \lceil 4\; x \rceil \; ) \; + \; b\; Cosh \lceil 4\; x \rceil \; ) \; + \; b\; Cosh \lceil 4\; x \rceil \; ) \; + \; b\; Cosh \lceil 4\; x \rceil \; ) \; + \; b\; Cosh \lceil 4\; x \rceil \; ) \; + \; b\; Cosh \lceil 4\; x \rceil \; ) \; + \; b\; Cosh \lceil 4\; x \rceil \; ) \; + \; b\; Cosh \lceil 4\; x \rceil \; ) \; + \; b\; Cosh \lceil 4\; x \rceil \; ) \; + \; b\; Cosh \lceil 4\; x \rceil \; ) \; + \; b\; Cosh \lceil 4\; x \rceil \; ) \; + \; b\; Cosh \lceil 4\; x \rceil \; ) \; + \; b\; Cosh \lceil 4\; x \rceil \; ) \; + \; b\; Cosh \lceil 4\; x \rceil \; ) \; + \; b\; Cosh \lceil 4\; x \rceil \; ) \; + \; b\; Cosh \lceil 4\; x \rceil \; ) \; + \; b\; Cosh \lceil 4\; x \rceil \; ) \; + \; b\; Cosh \lceil 4\; x \rceil \; ) \; + \; b\; Cosh \lceil 4\; x \rceil \; ) \; + \; b\; Cosh \lceil 4\; x \rceil \; ) \; + \; b\; Cosh \lceil 4\; x \rceil \; ) \; + \; b\; Cosh \lceil 4\; x \rceil \; ) \; + \; b\; Cosh \lceil 4\; x \rceil \; ) \; + \; b\; Cosh \lceil 4\; x \rceil \; ) \; + \; b\; Cosh \lceil 4\; x \rceil \; ) \; + \; b\; Cosh \lceil 4\; x \rceil \; ) \; + \; b\; Cosh \lceil 4\; x \rceil \; ) \; + \; b\; Cosh \lceil 4\; x \rceil \; ) \; + \; b\; Cosh \lceil 4\; x \rceil \; ) \; + \; b\; Cosh \lceil 4\; x \rceil \; ) \; + \; b\; Cosh \lceil 4\; x \rceil \; ) \; + \; b\; Cosh \lceil 4\; x \rceil \; ) \; + \; b\; Co
                                                                                                              c(3a-b+3c-4aCosh[2x]+4cCosh[2x]+aCosh[4x]+bCosh[4x]+cCosh[4x]))
                   \sqrt{\left[-1 + \frac{1}{2(a+b+c)} \left(2a-2c+\sqrt{2}\sqrt{(2b^2-8ac+a(3a-b+3c-4aCosh[2x]+4cCosh[2x]+aCosh[4x]+\frac{1}{2(a+b+c)} \left(2a-2c+\sqrt{2}\sqrt{(2b^2-8ac+a(3a-b+3c-4aCosh[2x]+4cCosh[2x]+aCosh[4x]+\frac{1}{2(a+b+c)} \left(2a-2c+\sqrt{2}\sqrt{(2b^2-8ac+a(3a-b+3c-4aCosh[2x]+4cCosh[2x]+aCosh[4x]+\frac{1}{2(a+b+c)} \left(2a-2c+\sqrt{2}\sqrt{(2b^2-8ac+a(3a-b+3c-4aCosh[2x]+aCosh[2x]+aCosh[2x]+aCosh[2x]+aCosh[2x]+aCosh[2x]+aCosh[2x]+aCosh[2x]+aCosh[2x]+aCosh[2x]+aCosh[2x]+aCosh[2x]+aCosh[2x]+aCosh[2x]+aCosh[2x]+aCosh[2x]+aCosh[2x]+aCosh[2x]+aCosh[2x]+aCosh[2x]+aCosh[2x]+aCosh[2x]+aCosh[2x]+aCosh[2x]+aCosh[2x]+aCosh[2x]+aCosh[2x]+aCosh[2x]+aCosh[2x]+aCosh[2x]+aCosh[2x]+aCosh[2x]+aCosh[2x]+aCosh[2x]+aCosh[2x]+aCosh[2x]+aCosh[2x]+aCosh[2x]+aCosh[2x]+aCosh[2x]+aCosh[2x]+aCosh[2x]+aCosh[2x]+aCosh[2x]+aCosh[2x]+aCosh[2x]+aCosh[2x]+aCosh[2x]+aCosh[2x]+aCosh[2x]+aCosh[2x]+aCosh[2x]+aCosh[2x]+aCosh[2x]+aCosh[2x]+aCosh[2x]+aCosh[2x]+aCosh[2x]+aCosh[2x]+aCosh[2x]+aCosh[2x]+aCosh[2x]+aCosh[2x]+aCosh[2x]+aCosh[2x]+aCosh[2x]+aCosh[2x]+aCosh[2x]+aCosh[2x]+aCosh[2x]+aCosh[2x]+aCosh[2x]+aCosh[2x]+aCosh[2x]+aCosh[2x]+aCosh[2x]+aCosh[2x]+aCosh[2x]+aCosh[2x]+aCosh[2x]+aCosh[2x]+aCosh[2x]+aCosh[2x]+aCosh[2x]+aCosh[2x]+aCosh[2x]+aCosh[2x]+aCosh[2x]+aCosh[2x]+aCosh[2x]+aCosh[2x]+aCosh[2x]+aCosh[2x]+aCosh[2x]+aCosh[2x]+aCosh[2x]+aCosh[2x]+aCosh[2x]+aCosh[2x]+aCosh[2x]+aCosh[2x]+aCosh[2x]+aCosh[2x]+aCosh[2x]+aCosh[2x]+aCosh[2x]+aCosh[2x]+aCosh[2x]+aCosh[2x]+aCosh[2x]+aCosh[2x]+aCosh[2x]+aCosh[2x]+aCosh[2x]+aCosh[2x]+aCosh[2x]+aCosh[2x]+aCosh[2x]+aCosh[2x]+aCosh[2x]+aCosh[2x]+aCosh[2x]+aCosh[2x]+aCosh[2x]+aCosh[2x]+aCosh[2x]+aCosh[2x]+aCosh[2x]+aCosh[2x]+aCosh[2x]+aCosh[2x]+aCosh[2x]+aCosh[2x]+aCosh[2x]+aCosh[2x]+aCosh[2x]+aCosh[2x]+aCosh[2x]+aCosh[2x]+aCosh[2x]+aCosh[2x]+aCosh[2x]+aCosh[2x]+aCosh[2x]+aCosh[2x]+aCosh[2x]+aCosh[2x]+aCosh[2x]+aCosh[2x]+aCosh[2x]+aCosh[2x]+aCosh[2x]+aCosh[2x]+aCosh[2x]+aCosh[2x]+aCosh[2x]+aCosh[2x]+aCosh[2x]+aCosh[2x]+aCosh[2x]+aCosh[2x]+aCosh[2x]+aCosh[2x]+aCosh[2x]+aCosh[2x]+aCosh[2x]+aCosh[2x]+aCosh[2x]+aCosh[2x]+aCosh[2x]+aCosh[2x]+aCosh[2x]+aCosh[2x]+aCosh[2x]+aC
                                                                                                                                                                                                                        b \, Cosh[\,4\,\,x] \, + c \, Cosh[\,4\,\,x]\,) \, + b \, (3\,\,a - b + 3\,\,c - 4\,\,a \, Cosh[\,2\,\,x] \, + 4\,\,c \, Cosh[\,2\,\,x] \, + a \, Cosh[\,4\,\,x] \, + b \, Cosh[\,4\,\,
                                                                                                                                                                                                                        c \cosh[4x] + c (3a - b + 3c - 4a \cosh[2x] + 4c \cosh[2x] + a \cosh[4x] + b \cosh[4x] + c \cosh[4x])
                 \sqrt{1 + \frac{1}{2(a+b+c)}} \left(2a - 2c + \sqrt{2} \sqrt{2b^2 - 8ac + a(3a-b+3c-4aCosh[2x] + 4cCosh[2x] + aCosh[4x] 
                                                                                                                                                                                                                          b \, Cosh[4\,x] \, + c \, Cosh[4\,x] \, ) \, + b \, (3\,a - b + 3\,c - 4\,a \, Cosh[2\,x] \, + 4\,c \, Cosh[2\,x] \, + a \, Cosh[4\,x] \, + b \, Cosh[4\,x] \, +
                                                                                                                                                                                                                          c \cosh[4x] + c (3a - b + 3c - 4a \cosh[2x] + 4c \cosh[2x] + a \cosh[4x] + b \cosh[4x] + c \cosh[4x])
                     \sqrt{(3 a - b + 3 c - 4 (a - c) Cosh[2 x] + (a + b + c) Cosh[4 x]) Csch[x]^{4}} - c Cosh[2 x]
                     (3 a - b + 3 c - 4 (a - c) Cosh[2x] + (a + b + c) Cosh[4x])
                   \sqrt{\left(\frac{1}{a+b+c}\left(-2\,b-4\,c+\sqrt{2}\,\sqrt{\left(2\,b^2-8\,a\,c+a\,\left(3\,a-b+3\,c-4\,a\,Cosh\left[2\,x\right]+4\,c\,Cosh\left[2\,x\right]+a\,Cosh\left[4\,x\right]+b\,Cosh\left[4\,x\right]+b\,Cosh\left[4\,x\right]+b\,Cosh\left[4\,x\right]+b\,Cosh\left[4\,x\right]+b\,Cosh\left[4\,x\right]+b\,Cosh\left[4\,x\right]+b\,Cosh\left[4\,x\right]+b\,Cosh\left[4\,x\right]+b\,Cosh\left[4\,x\right]+b\,Cosh\left[4\,x\right]+b\,Cosh\left[4\,x\right]+b\,Cosh\left[4\,x\right]+b\,Cosh\left[4\,x\right]+b\,Cosh\left[4\,x\right]+b\,Cosh\left[4\,x\right]+b\,Cosh\left[4\,x\right]+b\,Cosh\left[4\,x\right]+b\,Cosh\left[4\,x\right]+b\,Cosh\left[4\,x\right]+b\,Cosh\left[4\,x\right]+b\,Cosh\left[4\,x\right]+b\,Cosh\left[4\,x\right]+b\,Cosh\left[4\,x\right]+b\,Cosh\left[4\,x\right]+b\,Cosh\left[4\,x\right]+b\,Cosh\left[4\,x\right]+b\,Cosh\left[4\,x\right]+b\,Cosh\left[4\,x\right]+b\,Cosh\left[4\,x\right]+b\,Cosh\left[4\,x\right]+b\,Cosh\left[4\,x\right]+b\,Cosh\left[4\,x\right]+b\,Cosh\left[4\,x\right]+b\,Cosh\left[4\,x\right]+b\,Cosh\left[4\,x\right]+b\,Cosh\left[4\,x\right]+b\,Cosh\left[4\,x\right]+b\,Cosh\left[4\,x\right]+b\,Cosh\left[4\,x\right]+b\,Cosh\left[4\,x\right]+b\,Cosh\left[4\,x\right]+b\,Cosh\left[4\,x\right]+b\,Cosh\left[4\,x\right]+b\,Cosh\left[4\,x\right]+b\,Cosh\left[4\,x\right]+b\,Cosh\left[4\,x\right]+b\,Cosh\left[4\,x\right]+b\,Cosh\left[4\,x\right]+b\,Cosh\left[4\,x\right]+b\,Cosh\left[4\,x\right]+b\,Cosh\left[4\,x\right]+b\,Cosh\left[4\,x\right]+b\,Cosh\left[4\,x\right]+b\,Cosh\left[4\,x\right]+b\,Cosh\left[4\,x\right]+b\,Cosh\left[4\,x\right]+b\,Cosh\left[4\,x\right]+b\,Cosh\left[4\,x\right]+b\,Cosh\left[4\,x\right]+b\,Cosh\left[4\,x\right]+b\,Cosh\left[4\,x\right]+b\,Cosh\left[4\,x\right]+b\,Cosh\left[4\,x\right]+b\,Cosh\left[4\,x\right]+b\,Cosh\left[4\,x\right]+b\,Cosh\left[4\,x\right]+b\,Cosh\left[4\,x\right]+b\,Cosh\left[4\,x\right]+b\,Cosh\left[4\,x\right]+b\,Cosh\left[4\,x\right]+b\,Cosh\left[4\,x\right]+b\,Cosh\left[4\,x\right]+b\,Cosh\left[4\,x\right]+b\,Cosh\left[4\,x\right]+b\,Cosh\left[4\,x\right]+b\,Cosh\left[4\,x\right]+b\,Cosh\left[4\,x\right]+b\,Cosh\left[4\,x\right]+b\,Cosh\left[4\,x\right]+b\,Cosh\left[4\,x\right]+b\,Cosh\left[4\,x\right]+b\,Cosh\left[4\,x\right]+b\,Cosh\left[4\,x\right]+b\,Cosh\left[4\,x\right]+b\,Cosh\left[4\,x\right]+b\,Cosh\left[4\,x\right]+b\,Cosh\left[4\,x\right]+b\,Cosh\left[4\,x\right]+b\,Cosh\left[4\,x\right]+b\,Cosh\left[4\,x\right]+b\,Cosh\left[4\,x\right]+b\,Cosh\left[4\,x\right]+b\,Cosh\left[4\,x\right]+b\,Cosh\left[4\,x\right]+b\,Cosh\left[4\,x\right]+b\,Cosh\left[4\,x\right]+b\,Cosh\left[4\,x\right]+b\,Cosh\left[4\,x\right]+b\,Cosh\left[4\,x\right]+b\,Cosh\left[4\,x\right]+b\,Cosh\left[4\,x\right]+b\,Cosh\left[4\,x\right]+b\,Cosh\left[4\,x\right]+b\,Cosh\left[4\,x\right]+b\,Cosh\left[4\,x\right]+b\,Cosh\left[4\,x\right]+b\,Cosh\left[4\,x\right]+b\,Cosh\left[4\,x\right]+b\,Cosh\left[4\,x\right]+b\,Cosh\left[4\,x\right]+b\,Cosh\left[4\,x\right]+b\,Cosh\left[4\,x\right]+b\,Cosh\left[4\,x\right]+b\,Cosh\left[4\,x\right]+b\,Cosh\left[4\,x\right]+b\,Cosh\left[4\,x\right]+b\,Cosh\left[4\,x\right]+b\,Cosh\left[4\,x\right]+b\,Cosh\left[4\,x\right]+b\,Cosh\left[4\,x\right]+b\,Cosh\left[4\,x\right]+b\,Cosh\left[4\,x\right]+b\,Cosh\left[4\,x\right]+b\,Cosh\left[4\,x\right]+b\,Cosh\left[4\,x\right]+b\,Cosh\left[4\,x\right]+b\,Cosh\left[4\,x\right]+b\,Cosh\left[4\,x\right]+b\,Cosh\left[4\,x\right]+b\,Cosh\left[4\,x\right]+b\,Cosh\left[4\,x\right]+b\,Cosh\left[4\,x\right]+b\,Cosh\left[4\,x\right]+b\,Cosh\left[4\,x\right]+b\,Cosh\left[4\,x\right]+b\,Cosh\left[4\,x\right]+b\,Cosh\left[4\,x\right]+b\,Cosh\left[4\,x\right]+b\,Cos
                                                                                                                                                                                                       c \, Cosh[4 \, x]) + b \, (3 \, a - b + 3 \, c - 4 \, a \, Cosh[2 \, x] + 4 \, c \, Cosh[2 \, x] + a \, Cosh[4 \, x] + b \, Cosh[4 \, x] + c \, Cosh[4 \, x]) + c
                                                                                                                                                            c (3 a - b + 3 c - 4 a Cosh[2 x] + 4 c Cosh[2 x] + a Cosh[4 x] + b Cosh[4 x] + c Cosh[4 x]))
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\frac{1}{2\sqrt{c}} \operatorname{ArcTanh} \left[ \left( (b + 2c) \sqrt{3 a - b + 3 c - 4 a \operatorname{Cosh}[2x] + 4 c \operatorname{Cosh}[2x] + a \operatorname{Cosh}[4x] + b \operatorname{Cosh}[4x] + c \operatorname{Cosh}[4x] \right] \right]
                                    2\sqrt{c}\sqrt{(2b^2-8ac+a(3a-b+3c-4aCosh[2x]+4cCosh[2x]+aCosh[4x]+bCosh[4x]+cCosh[4x])}
                                                                  b\ (3\ a-b+3\ c-4\ a\ Cosh[\ 2\ x]\ +4\ c\ Cosh[\ 2\ x]\ +a\ Cosh[\ 4\ x]\ +b\ Cosh[\ 4\ x]\ +c\ Cosh[\ 4\ x]\ )\ +c\ Cosh[\ 4\ x]\ )
                                                                  c(3a-b+3c-4aCosh[2x]+4cCosh[2x]+aCosh[4x]+bCosh[4x]+cCosh[4x]))
                    \frac{1}{\sqrt{a+b+c}} \log \left[ 2 \left( a \sqrt{3 a-b+3 c-4 a \cosh[2 x]+4 c \cosh[2 x]+a \cosh[4 x]+b \cosh[4 x]+b \cosh[4 x]} + \frac{1}{2 \cosh[4 x]+b \cosh[4 x]+b \cosh[4 x]} \right) \right]
                                               b\sqrt{3}a - b + 3c - 4a Cosh[2x] + 4c Cosh[2x] + a Cosh[4x] + b Cosh[4x] + c Cosh[4x] + c Cosh[4x]
                                                 c\sqrt{3}a-b+3c-4a\cosh[2x]+4c\cosh[2x]+a\cosh[4x]+b\cosh[4x]+c\cosh[4x]+\sqrt{a+b+c}
                                                       \sqrt{(2b^2 - 8ac + a(3a - b + 3c - 4aCosh[2x] + 4cCosh[2x] + aCosh[4x] + bCosh[4x] + cCosh[4x])} + cCosh[4x] + cCos
                                                                         b \; (3 \; a - b + 3 \; c - 4 \; a \; Cosh[2 \; x] \; + 4 \; c \; Cosh[2 \; x] \; + a \; Cosh[4 \; x] \; + b \; Cosh[4 \; x] \; + c \; Cosh[4 \; x]) \; + c \; Cosh[4 \; x] \; + c \; Cosh[
                                                                        c (3 a - b + 3 c - 4 a Cosh[2 x] + 4 c Cosh[2 x] + a Cosh[4 x] + b Cosh[4 x] + c Cosh[4 x]))
                                                                                                        b \operatorname{Csch}[x]^2 \operatorname{Sinh}[2x]
                         3a-b+3c-4(a-c) Cosh[2x] + (a+b+c) Cosh[4x]
                                                                                                                                                                                                                                                                                                             \sqrt{3 a - b + 3 c - 4 (a - c) Cosh[2 x] + (a + b + c) Cosh[4 x]}
                                                                                 c Cosh[2x] Csch[x]^2 Sinh[2x]
                      \sqrt{3 a - b + 3 c - 4 (a - c) Cosh[2 x] + (a + b + c) Cosh[4 x]}
         (-4 \text{ a Sinh}[2 \text{ x}] + 4 \text{ c Sinh}[2 \text{ x}] + 2 \text{ a Sinh}[4 \text{ x}] + 2 \text{ b Sinh}[4 \text{ x}] + 2 \text{ c Sinh}[4 \text{ x}])
                            \texttt{a} \; (-\texttt{8} \; \texttt{a} \; \texttt{Sinh} [\, 2 \, \texttt{x}\,] \; + \; \texttt{8} \; \texttt{c} \; \texttt{Sinh} [\, 2 \, \texttt{x}\,] \; + \; \texttt{4} \; \texttt{a} \; \texttt{Sinh} [\, 4 \, \texttt{x}\,] \; + \; \texttt{4} \; \texttt{b} \; \texttt{Sinh} [\, 4 \, \texttt{x}\,] \; + \; \texttt{4} \; \texttt{c} \; \texttt{Sinh} [\, 4 \, \texttt{x}\,] \; ) 
              \sqrt{3 \text{ a - b + 3 c - 4 a } \cosh[2 x] + 4 \text{ c } \cosh[2 x] + \text{a } \cosh[4 x] + \text{b } \cosh[4 x] + \text{c } \cosh[4 x]}
                                 b (-8 \text{ a Sinh}[2x] + 8 \text{ c Sinh}[2x] + 4 \text{ a Sinh}[4x] + 4 \text{ b Sinh}[4x] + 4 \text{ c Sinh}[4x])
                      \sqrt{3} a - b + 3 c - 4 a Cosh[2 x] + 4 c Cosh[2 x] + a Cosh[4 x] + b Cosh[4 x] + c Cosh[4 x]
                                  c (-8 a Sinh[2 x] + 8 c Sinh[2 x] + 4 a Sinh[4 x] + 4 b Sinh[4 x] + 4 c Sinh[4 x])
                    \sqrt{3 \text{ a - b + 3 c - 4 a } \text{Cosh}[2 \text{ x}] + 4 \text{ c } \text{Cosh}[2 \text{ x}] + \text{a } \text{Cosh}[4 \text{ x}] + \text{b } \text{Cosh}[4 \text{ x}] + \text{c } \text{Cosh}[4 \text{ x}]}
16 \; (b-c-c \; Cosh[2 \; x]) \; \sqrt{3 \; a-b+3 \; c-4} \; a \; Cosh[2 \; x] \; + \; 4 \; c \; Cosh[2 \; x] \; + \; a \; Cosh[4 \; x] \; + \; b \; Cosh[4 \; x] \; + \; c \; Cosh[4 \; x] \; + \; b \; Cosh[4
       \sqrt{(2b^2 - 8ac + a(3a - b + 3c - 4aCosh[2x] + 4cCosh[2x] + aCosh[4x] + bCosh[4x] + cCosh[4x])}
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 b \; (3 \; a \; - \; b \; + \; 3 \; c \; - \; 4 \; a \; Cosh [\; 2 \; x] \; + \; 4 \; c \; Cosh [\; 2 \; x] \; + \; a \; Cosh [\; 4 \; x] \; + \; b \; Cosh [\; 4 \; x] \; + \; c \; Cosh [\; 4 \; x] \; ) \; + \; c \; Cosh [\; 4 \; x] \; ) \; + \; c \; Cosh [\; 4 \; x] \; ) \; + \; c \; Cosh [\; 4 \; x] \; + \; c \; Cosh [\; 4 \; x] \; ) \; + \; c \; Cosh [\; 4 \; x] \; ) \; + \; c \; Cosh [\; 4 \; x] \; ) \; + \; c \; Cosh [\; 4 \; x] \; ) \; + \; c \; Cosh [\; 4 \; x] \; ) \; + \; c \; Cosh [\; 4 \; x] \; ) \; + \; c \; Cosh [\; 4 \; x] \; ) \; + \; c \; Cosh [\; 4 \; x] \; ) \; + \; c \; Cosh [\; 4 \; x] \; ) \; + \; c \; Cosh [\; 4 \; x] \; ) \; + \; c \; Cosh [\; 4 \; x] \; ) \; + \; c \; Cosh [\; 4 \; x] \; ) \; + \; c \; Cosh [\; 4 \; x] \; ) \; + \; c \; Cosh [\; 4 \; x] \; ) \; + \; c \; Cosh [\; 4 \; x] \; ) \; + \; c \; Cosh [\; 4 \; x] \; ) \; + \; c \; Cosh [\; 4 \; x] \; ) \; + \; c \; Cosh [\; 4 \; x] \; ) \; + \; c \; Cosh [\; 4 \; x] \; ) \; + \; c \; Cosh [\; 4 \; x] \; ) \; + \; c \; Cosh [\; 4 \; x] \; ) \; + \; c \; Cosh [\; 4 \; x] \; ) \; + \; c \; Cosh [\; 4 \; x] \; ) \; + \; c \; Cosh [\; 4 \; x] \; ) \; + \; c \; Cosh [\; 4 \; x] \; ) \; + \; c \; Cosh [\; 4 \; x] \; ) \; + \; c \; Cosh [\; 4 \; x] \; ) \; + \; c \; Cosh [\; 4 \; x] \; ) \; + \; c \; Cosh [\; 4 \; x] \; ) \; + \; c \; Cosh [\; 4 \; x] \; ) \; + \; c \; Cosh [\; 4 \; x] \; ) \; + \; c \; Cosh [\; 4 \; x] \; ) \; + \; c \; Cosh [\; 4 \; x] \; ) \; + \; c \; Cosh [\; 4 \; x] \; ) \; + \; c \; Cosh [\; 4 \; x] \; ) \; + \; c \; Cosh [\; 4 \; x] \; ) \; + \; c \; Cosh [\; 4 \; x] \; ) \; + \; c \; Cosh [\; 4 \; x] \; ) \; + \; c \; Cosh [\; 4 \; x] \; ) \; + \; c \; Cosh [\; 4 \; x] \; ) \; + \; c \; Cosh [\; 4 \; x] \; ) \; + \; c \; Cosh [\; 4 \; x] \; + \; c \; Cosh [\; 4 \; x] \; ) \; + \; c \; Cosh [\; 4 \; x] \; ) \; + \; c \; Cosh [\; 4 \; x] \; + \; c \; Cosh [\; 4 \; x] \; ) \; + \; c \; Cosh [\; 4 \; x] \; + \; c \; Cosh [\; 4 \; x] \; ) \; + \; c \; Cosh [\; 4 \; x] \; ) \; + \; c \; Cosh [\; 4 \; x] \; + \; c \; Cosh [\; 4 \; x] \; ) \; + \; c \; Cosh [\; 4 \; x] \; + \; c \; Cosh [\; 4 \; x] \; + \; c \; Cosh [\; 4 \; x] \; ) \; + \; c \; Cosh [\; 4 \; x] \; + \; c \; Cosh [\; 4 \; x] \; + \; c \; Cosh [\; 4 \; x] \; + \; c \; Cosh [\; 4 \; x] \; + \; c \; Cosh [\; 4 \; x] \; + \; c \; Cosh [\; 4 \; x] \; + \; c \; Cosh [\; 4 \; x] \; + \; c \; Cosh [\; 4 \; x] \; + \; c \; Cosh [\; 4 \; x] \; + \; c \; Cosh [\; 4 \; x] 
                                          c(3a-b+3c-4aCosh[2x]+4cCosh[2x]+aCosh[4x]+bCosh[4x]+cCosh[4x])
 \sqrt{\left[\frac{1}{a+b+c}\left(4\,a+2\,b+\sqrt{2}\,\sqrt{\left(2\,b^2-8\,a\,c+a\,\left(3\,a-b+3\,c-4\,a\,Cosh[2\,x]+4\,c\,Cosh[2\,x]+a\,Cosh[4\,x]+b\,Cosh[4\,x]+b\,Cosh[4\,x]+b\,Cosh[4\,x]+b\,Cosh[4\,x]+b\,Cosh[4\,x]+b\,Cosh[4\,x]+b\,Cosh[4\,x]+b\,Cosh[4\,x]+b\,Cosh[4\,x]+b\,Cosh[4\,x]+b\,Cosh[4\,x]+b\,Cosh[4\,x]+b\,Cosh[4\,x]+b\,Cosh[4\,x]+b\,Cosh[4\,x]+b\,Cosh[4\,x]+b\,Cosh[4\,x]+b\,Cosh[4\,x]+b\,Cosh[4\,x]+b\,Cosh[4\,x]+b\,Cosh[4\,x]+b\,Cosh[4\,x]+b\,Cosh[4\,x]+b\,Cosh[4\,x]+b\,Cosh[4\,x]+b\,Cosh[4\,x]+b\,Cosh[4\,x]+b\,Cosh[4\,x]+b\,Cosh[4\,x]+b\,Cosh[4\,x]+b\,Cosh[4\,x]+b\,Cosh[4\,x]+b\,Cosh[4\,x]+b\,Cosh[4\,x]+b\,Cosh[4\,x]+b\,Cosh[4\,x]+b\,Cosh[4\,x]+b\,Cosh[4\,x]+b\,Cosh[4\,x]+b\,Cosh[4\,x]+b\,Cosh[4\,x]+b\,Cosh[4\,x]+b\,Cosh[4\,x]+b\,Cosh[4\,x]+b\,Cosh[4\,x]+b\,Cosh[4\,x]+b\,Cosh[4\,x]+b\,Cosh[4\,x]+b\,Cosh[4\,x]+b\,Cosh[4\,x]+b\,Cosh[4\,x]+b\,Cosh[4\,x]+b\,Cosh[4\,x]+b\,Cosh[4\,x]+b\,Cosh[4\,x]+b\,Cosh[4\,x]+b\,Cosh[4\,x]+b\,Cosh[4\,x]+b\,Cosh[4\,x]+b\,Cosh[4\,x]+b\,Cosh[4\,x]+b\,Cosh[4\,x]+b\,Cosh[4\,x]+b\,Cosh[4\,x]+b\,Cosh[4\,x]+b\,Cosh[4\,x]+b\,Cosh[4\,x]+b\,Cosh[4\,x]+b\,Cosh[4\,x]+b\,Cosh[4\,x]+b\,Cosh[4\,x]+b\,Cosh[4\,x]+b\,Cosh[4\,x]+b\,Cosh[4\,x]+b\,Cosh[4\,x]+b\,Cosh[4\,x]+b\,Cosh[4\,x]+b\,Cosh[4\,x]+b\,Cosh[4\,x]+b\,Cosh[4\,x]+b\,Cosh[4\,x]+b\,Cosh[4\,x]+b\,Cosh[4\,x]+b\,Cosh[4\,x]+b\,Cosh[4\,x]+b\,Cosh[4\,x]+b\,Cosh[4\,x]+b\,Cosh[4\,x]+b\,Cosh[4\,x]+b\,Cosh[4\,x]+b\,Cosh[4\,x]+b\,Cosh[4\,x]+b\,Cosh[4\,x]+b\,Cosh[4\,x]+b\,Cosh[4\,x]+b\,Cosh[4\,x]+b\,Cosh[4\,x]+b\,Cosh[4\,x]+b\,Cosh[4\,x]+b\,Cosh[4\,x]+b\,Cosh[4\,x]+b\,Cosh[4\,x]+b\,Cosh[4\,x]+b\,Cosh[4\,x]+b\,Cosh[4\,x]+b\,Cosh[4\,x]+b\,Cosh[4\,x]+b\,Cosh[4\,x]+b\,Cosh[4\,x]+b\,Cosh[4\,x]+b\,Cosh[4\,x]+b\,Cosh[4\,x]+b\,Cosh[4\,x]+b\,Cosh[4\,x]+b\,Cosh[4\,x]+b\,Cosh[4\,x]+b\,Cosh[4\,x]+b\,Cosh[4\,x]+b\,Cosh[4\,x]+b\,Cosh[4\,x]+b\,Cosh[4\,x]+b\,Cosh[4\,x]+b\,Cosh[4\,x]+b\,Cosh[4\,x]+b\,Cosh[4\,x]+b\,Cosh[4\,x]+b\,Cosh[4\,x]+b\,Cosh[4\,x]+b\,Cosh[4\,x]+b\,Cosh[4\,x]+b\,Cosh[4\,x]+b\,Cosh[4\,x]+b\,Cosh[4\,x]+b\,Cosh[4\,x]+b\,Cosh[4\,x]+b\,Cosh[4\,x]+b\,Cosh[4\,x]+b\,Cosh[4\,x]+b\,Cosh[4\,x]+b\,Cosh[4\,x]+b\,Cosh[4\,x]+b\,Cosh[4\,x]+b\,Cosh[4\,x]+b\,Cosh[4\,x]+b\,Cosh[4\,x]+b\,Cosh[4\,x]+b\,Cosh[4\,x]+b\,Cosh[4\,x]+b\,Cosh[4\,x]+b\,Cosh[4\,x]+b\,Cosh[4\,x]+b\,Cosh[4\,x]+b\,Cosh[4\,x]+b\,Cosh[4\,x]+b\,Cosh[4\,x]+b\,Cosh[4\,x]+b\,Cosh[4\,x]+b\,Cosh[4\,x]+b\,Cosh[4\,x]+b\,Cosh[4\,x]+b\,Cosh[4\,x]+b\,Cosh[4\,x]+
                                                                                                                                                              \texttt{c} \; \texttt{Cosh} \; [\; 4 \; \mathbf{x} \; ] \; ) \; + \; \texttt{b} \; (\; 3 \; \mathbf{a} \; - \; \mathbf{b} \; + \; 3 \; \mathbf{c} \; - \; 4 \; \mathbf{a} \; \texttt{Cosh} \; [\; 2 \; \mathbf{x} \; ] \; + \; 4 \; \mathbf{c} \; \texttt{Cosh} \; [\; 2 \; \mathbf{x} \; ] \; + \; \mathbf{a} \; \texttt{Cosh} \; [\; 4 \; \mathbf{x} \; ] \; + \; \mathbf{b} \; \texttt{Cosh} \; [\; 4 \; \mathbf{x} \; ] \; + \; \mathbf{c} \; \texttt{Cosh} \; [\; 4 \; \mathbf{x} \; ] \; ) \; + \; \mathbf{c} \; \texttt{Cosh} \; [\; 4 \; \mathbf{x} \; ] \; + \; \mathbf{c} \; \texttt{Cosh} \; [\; 4 \; \mathbf{x} \; ] \; + \; \mathbf{c} \; \texttt{Cosh} \; [\; 4 \; \mathbf{x} \; ] \; + \; \mathbf{c} \; \texttt{Cosh} \; [\; 4 \; \mathbf{x} \; ] \; + \; \mathbf{c} \; \texttt{Cosh} \; [\; 4 \; \mathbf{x} \; ] \; + \; \mathbf{c} \; \texttt{Cosh} \; [\; 4 \; \mathbf{x} \; ] \; + \; \mathbf{c} \; \texttt{Cosh} \; [\; 4 \; \mathbf{x} \; ] \; + \; \mathbf{c} \; \texttt{Cosh} \; [\; 4 \; \mathbf{x} \; ] \; + \; \mathbf{c} \; \texttt{Cosh} \; [\; 4 \; \mathbf{x} \; ] \; + \; \mathbf{c} \; \texttt{Cosh} \; [\; 4 \; \mathbf{x} \; ] \; + \; \mathbf{c} \; \texttt{Cosh} \; [\; 4 \; \mathbf{x} \; ] \; + \; \mathbf{c} \; \texttt{Cosh} \; [\; 4 \; \mathbf{x} \; ] \; + \; \mathbf{c} \; \texttt{Cosh} \; [\; 4 \; \mathbf{x} \; ] \; + \; \mathbf{c} \; \texttt{Cosh} \; [\; 4 \; \mathbf{x} \; ] \; + \; \mathbf{c} \; \texttt{Cosh} \; [\; 4 \; \mathbf{x} \; ] \; + \; \mathbf{c} \; \texttt{Cosh} \; [\; 4 \; \mathbf{x} \; ] \; + \; \mathbf{c} \; \texttt{Cosh} \; [\; 4 \; \mathbf{x} \; ] \; + \; \mathbf{c} \; \texttt{Cosh} \; [\; 4 \; \mathbf{x} \; ] \; + \; \mathbf{c} \; \texttt{Cosh} \; [\; 4 \; \mathbf{x} \; ] \; + \; \mathbf{c} \; \texttt{Cosh} \; [\; 4 \; \mathbf{x} \; ] \; + \; \mathbf{c} \; \texttt{Cosh} \; [\; 4 \; \mathbf{x} \; ] \; + \; \mathbf{c} \; \texttt{Cosh} \; [\; 4 \; \mathbf{x} \; ] \; + \; \mathbf{c} \; \texttt{Cosh} \; [\; 4 \; \mathbf{x} \; ] \; + \; \mathbf{c} \; \texttt{Cosh} \; [\; 4 \; \mathbf{x} \; ] \; + \; \mathbf{c} \; \texttt{Cosh} \; [\; 4 \; \mathbf{x} \; ] \; + \; \mathbf{c} \; \texttt{Cosh} \; [\; 4 \; \mathbf{x} \; ] \; + \; \mathbf{c} \; \texttt{Cosh} \; [\; 4 \; \mathbf{x} \; ] \; + \; \mathbf{c} \; \texttt{Cosh} \; [\; 4 \; \mathbf{x} \; ] \; + \; \mathbf{c} \; \texttt{Cosh} \; [\; 4 \; \mathbf{x} \; ] \; + \; \mathbf{c} \; \texttt{Cosh} \; [\; 4 \; \mathbf{x} \; ] \; + \; \mathbf{c} \; \texttt{Cosh} \; [\; 4 \; \mathbf{x} \; ] \; + \; \mathbf{c} \; \texttt{Cosh} \; [\; 4 \; \mathbf{x} \; ] \; + \; \mathbf{c} \; \texttt{Cosh} \; [\; 4 \; \mathbf{x} \; ] \; + \; \mathbf{c} \; \texttt{Cosh} \; [\; 4 \; \mathbf{x} \; ] \; + \; \mathbf{c} \; \texttt{Cosh} \; [\; 4 \; \mathbf{x} \; ] \; + \; \mathbf{c} \; \texttt{Cosh} \; [\; 4 \; \mathbf{x} \; ] \; + \; \mathbf{c} \; \texttt{Cosh} \; [\; 4 \; \mathbf{x} \; ] \; + \; \mathbf{c} \; \texttt{Cosh} \; [\; 4 \; \mathbf{x} \; ] \; + \; \mathbf{c} \; \texttt{Cosh} \; [\; 4 \; \mathbf{x} \; ] \; + \; \mathbf{c} \; \texttt{Cosh} \; [\; 4 \; \mathbf{x} \; ] \; + \; \mathbf{c} \; \texttt{Cosh} \; [\; 4 \; \mathbf{x} \; ] \; + \; \mathbf{c} \; \texttt{Cosh} \; [\; 4 \; \mathbf{x} \; ] \; + \; \mathbf{c} \; \texttt{Cosh} \; [\; 4 \; \mathbf{x} \; ] \; + \; \mathbf{c} \; \texttt{Cosh} \; [\; 4 \; \mathbf{x} \; ] \; + \; \mathbf{c} \; \texttt{Cosh} \; [\; 4 \; \mathbf{x
                                                                                                                     c (3 a - b + 3 c - 4 a Cosh[2 x] + 4 c Cosh[2 x] + a Cosh[4 x] + b Cosh[4 x] + c Cosh[4 x]))
       2a-2c+\sqrt{2}\sqrt{2b^2-8ac+a(3a-b+3c-4a\cosh[2x]+4c\cosh[2x]+a\cosh[4x]+b\cosh[4x]+c\cosh[4x]+c\cosh[4x])}
                                                                              b \; (3 \; a \; -b \; + \; 3 \; c \; -4 \; a \; Cosh[\; 2 \; x] \; + \; 4 \; c \; Cosh[\; 2 \; x] \; + \; a \; Cosh[\; 4 \; x] \; + \; b \; Cosh[\; 4 \; x] \; + \; c \; Cosh[\; 4 \; x] \; ) \; + \; c \; Cosh[\; 4 \; x] \; ) \; + \; c \; Cosh[\; 4 \; x] \; ) \; + \; c \; Cosh[\; 4 \; x] \; ) \; + \; c \; Cosh[\; 4 \; x] \; ) \; + \; c \; Cosh[\; 4 \; x] \; ) \; + \; c \; Cosh[\; 4 \; x] \; ) \; + \; c \; Cosh[\; 4 \; x] \; ) \; + \; c \; Cosh[\; 4 \; x] \; ) \; + \; c \; Cosh[\; 4 \; x] \; ) \; + \; c \; Cosh[\; 4 \; x] \; ) \; + \; c \; Cosh[\; 4 \; x] \; ) \; + \; c \; Cosh[\; 4 \; x] \; ) \; + \; c \; Cosh[\; 4 \; x] \; ) \; + \; c \; Cosh[\; 4 \; x] \; ) \; + \; c \; Cosh[\; 4 \; x] \; ) \; + \; c \; Cosh[\; 4 \; x] \; ) \; + \; c \; Cosh[\; 4 \; x] \; ) \; + \; c \; Cosh[\; 4 \; x] \; ) \; + \; c \; Cosh[\; 4 \; x] \; ) \; + \; c \; Cosh[\; 4 \; x] \; ) \; + \; c \; Cosh[\; 4 \; x] \; ) \; + \; c \; Cosh[\; 4 \; x] \; ) \; + \; c \; Cosh[\; 4 \; x] \; ) \; + \; c \; Cosh[\; 4 \; x] \; ) \; + \; c \; Cosh[\; 4 \; x] \; ) \; + \; c \; Cosh[\; 4 \; x] \; ) \; + \; c \; Cosh[\; 4 \; x] \; ) \; + \; c \; Cosh[\; 4 \; x] \; ) \; + \; c \; Cosh[\; 4 \; x] \; ) \; + \; c \; Cosh[\; 4 \; x] \; ) \; + \; c \; Cosh[\; 4 \; x] \; ) \; + \; c \; Cosh[\; 4 \; x] \; ) \; + \; c \; Cosh[\; 4 \; x] \; ) \; + \; c \; Cosh[\; 4 \; x] \; ) \; + \; c \; Cosh[\; 4 \; x] \; ) \; + \; c \; Cosh[\; 4 \; x] \; ) \; + \; c \; Cosh[\; 4 \; x] \; ) \; + \; c \; Cosh[\; 4 \; x] \; ) \; + \; c \; Cosh[\; 4 \; x] \; ) \; + \; c \; Cosh[\; 4 \; x] \; ) \; + \; c \; Cosh[\; 4 \; x] \; ) \; + \; c \; Cosh[\; 4 \; x] \; ) \; + \; c \; Cosh[\; 4 \; x] \; ) \; + \; c \; Cosh[\; 4 \; x] \; ) \; + \; c \; Cosh[\; 4 \; x] \; ) \; + \; c \; Cosh[\; 4 \; x] \; ) \; + \; c \; Cosh[\; 4 \; x] \; ) \; + \; c \; Cosh[\; 4 \; x] \; ) \; + \; c \; Cosh[\; 4 \; x] \; ) \; + \; c \; Cosh[\; 4 \; x] \; ) \; + \; c \; Cosh[\; 4 \; x] \; ) \; + \; c \; Cosh[\; 4 \; x] \; ) \; + \; c \; Cosh[\; 4 \; x] \; ) \; + \; c \; Cosh[\; 4 \; x] \; + \; c \; Cosh[\; 4 \; x] \; ) \; + \; c \; Cosh[\; 4 \; x] \; ) \; + \; c \; Cosh[\; 4 \; x] \; + \; c \; Cosh[\; 4 \; x] \; ) \; + \; c \; Cosh[\; 4 \; x] \; + \; c \; Cosh[\; 4 \; x] \; + \; c \; Cosh[\; 4 \; x] \; + \; c \; Cosh[\; 4 \; x] \; + \; c \; Cosh[\; 4 \; x] \; + \; c \; Cosh[\; 4 \; x] \; + \; c \; Cosh[\; 4 \; x] \; + \; c \; Cosh[\; 4 \; x] \; + \; c \; Cosh[\; 4 \; x] \; + \; c \; Cosh[\; 4 \; x] \; + \; c \; Cosh[\; 4 \; x] \; + \; 
                                                                               c (3 a - b + 3 c - 4 a Cosh[2 x] + 4 c Cosh[2 x] + a Cosh[4 x] + b Cosh[4 x] + c Cosh[4 x]))
 \sqrt{\left[-1 + \frac{1}{2(a+b+c)} \left(2 a - 2 c + \sqrt{2} \sqrt{(2b^2 - 8 a c + a (3 a - b + 3 c - 4 a Cosh[2x] + 4 c Cosh[2x] + a Cosh[4x] + a Cosh[4x]
                                                                                                                                                                           b \, Cosh[4 \, x] + c \, Cosh[4 \, x]) + b \, (3 \, a - b + 3 \, c - 4 \, a \, Cosh[2 \, x] + 4 \, c \, Cosh[2 \, x] + a \, Cosh[4 \, x] + b \, Cosh[4 \,
                                                                                                                                                                         c \cosh[4x] + c (3a - b + 3c - 4a \cosh[2x] + 4c \cosh[2x] + a \cosh[4x] + b \cosh[4x] + c \cosh[4x])
b \, Cosh[4 \, x] + c \, Cosh[4 \, x]) + b \, (3 \, a - b + 3 \, c - 4 \, a \, Cosh[2 \, x] + 4 \, c \, Cosh[2 \, x] + a \, Cosh[4 \, x] + b \, Cosh[4 \,
                                                                                                                                                                         c Cosh[4x]) + c (3a - b + 3c - 4a Cosh[2x] + 4c Cosh[2x] + a Cosh[4x] + b Cosh[4x] + c Cosh[4x]))
   \sqrt{(3 \, a - b + 3 \, c - 4 \, (a - c) \, Cosh[2 \, x] + (a + b + c) \, Cosh[4 \, x]) \, Csch[x]^{4}} - \left| (b - c) \, (1 + Cosh[2 \, x]) + (a + b + c) \, Cosh[4 \, x] + (a + b + c) \, Cosh[4 \, x] + (a + b + c) \, Cosh[4 \, x] + (a + b + c) \, Cosh[4 \, x] + (a + b + c) \, Cosh[4 \, x] + (a + b + c) \, Cosh[4 \, x] + (a + b + c) \, Cosh[4 \, x] + (a + b + c) \, Cosh[4 \, x] + (a + b + c) \, Cosh[4 \, x] + (a + b + c) \, Cosh[4 \, x] + (a + b + c) \, Cosh[4 \, x] + (a + b + c) \, Cosh[4 \, x] + (a + b + c) \, Cosh[4 \, x] + (a + b + c) \, Cosh[4 \, x] + (a + b + c) \, Cosh[4 \, x] + (a + b + c) \, Cosh[4 \, x] + (a + b + c) \, Cosh[4 \, x] + (a + b + c) \, Cosh[4 \, x] + (a + b + c) \, Cosh[4 \, x] + (a + b + c) \, Cosh[4 \, x] + (a + b + c) \, Cosh[4 \, x] + (a + b + c) \, Cosh[4 \, x] + (a + b + c) \, Cosh[4 \, x] + (a + b + c) \, Cosh[4 \, x] + (a + b + c) \, Cosh[4 \, x] + (a + b + c) \, Cosh[4 \, x] + (a + b + c) \, Cosh[4 \, x] + (a + b + c) \, Cosh[4 \, x] + (a + b + c) \, Cosh[4 \, x] + (a + b + c) \, Cosh[4 \, x] + (a + b + c) \, Cosh[4 \, x] + (a + b + c) \, Cosh[4 \, x] + (a + b + c) \, Cosh[4 \, x] + (a + b + c) \, Cosh[4 \, x] + (a + b + c) \, Cosh[4 \, x] + (a + b + c) \, Cosh[4 \, x] + (a + b + c) \, Cosh[4 \, x] + (a + b + c) \, Cosh[4 \, x] + (a + b + c) \, Cosh[4 \, x] + (a + b + c) \, Cosh[4 \, x] + (a + b + c) \, Cosh[4 \, x] + (a + b + c) \, Cosh[4 \, x] + (a + b + c) \, Cosh[4 \, x] + (a + b + c) \, Cosh[4 \, x] + (a + b + c) \, Cosh[4 \, x] + (a + b + c) \, Cosh[4 \, x] + (a + b + c) \, Cosh[4 \, x] + (a + b + c) \, Cosh[4 \, x] + (a + b + c) \, Cosh[4 \, x] + (a + b + c) \, Cosh[4 \, x] + (a + b + c) \, Cosh[4 \, x] + (a + b + c) \, Cosh[4 \, x] + (a + b + c) \, Cosh[4 \, x] + (a + b + c) \, Cosh[4 \, x] + (a + b + c) \, Cosh[4 \, x] + (a + b + c) \, Cosh[4 \, x] + (a + b + c) \, Cosh[4 \, x] + (a + b + c) \, Cosh[4 \, x] + (a + b + c) \, Cosh[4 \, x] + (a + b + c) \, Cosh[4 \, x] + (a + b + c) \, Cosh[4 \, x] + (a + b + c) \, Cosh[4 \, x] + (a + b + c) \, Cosh[4 \, x] + (a + b + c) \, Cosh[4 \, x] + (a + b + c) \, Cosh[4 \, x] + (a + b + c) \, Cosh[4 \, x] + (a + b + c) \, Cosh[4 \, x] + (a + b + c) \, Cosh[4 \, x] + (a + b + c) 
     (3 a - b + 3 c - 4 (a - c) Cosh[2x] + (a + b + c) Cosh[4x])
                               3 a - b + 3 c + (-4 a + 4 c) Cosh[2 x] + (a + b + c) Cosh[4 x]
                                                                                                                                                                                                          (1 + Cosh[2x])^2
   Csch[x]
     \left( \text{Log} \left[ \sqrt{\text{c}} \ \text{Tanh} \left[ \mathbf{x} \right]^2 \right] - \text{Log} \left[ 2 \, \text{c} + \text{b} \, \text{Tanh} \left[ \mathbf{x} \right]^2 + 2 \, \sqrt{\text{c}} \ \sqrt{\text{c} + \text{Tanh} \left[ \mathbf{x} \right]^2 \, \left( \text{b} + \text{a} \, \text{Tanh} \left[ \mathbf{x} \right]^2 \right)} \ \right] \right)
   Sech[x]
                                                                                                                                                                                                              b \operatorname{Csch}[x]^2 \operatorname{Sinh}[2x]
                           \sqrt{3 a - b + 3 c - 4 (a - c) \cosh[2 x] + (a + b + c) \cosh[4 x]}
                                                                                                                                                                                                                   c Csch[x]^2 Sinh[2x]
                                 \sqrt{3 a - b + 3 c - 4 (a - c) Cosh[2 x] + (a + b + c) Cosh[4 x]}
                                                                                                                                                                  c Cosh[2x] Csch[x]^2 Sinh[2x]
                                 \sqrt{3 a - b + 3 c - 4 (a - c) Cosh[2 x] + (a + b + c) Cosh[4 x]}
       \left(-4 \left(3 a - b + 3 c - 4 \left(a - c\right) Cosh[2 x] + \left(a + b + c\right) Cosh[4 x]\right) Coth[x] Csch[x]^{4} + \left(a + b + c\right) Cosh[4 x]\right)
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Csch[x]^{4}(-8(a-c)Sinh[2x]+4(a+b+c)Sinh[4x])
 \left(16\,\sqrt{2}\,\,\sqrt{c}\,\,\left(b-c-c\,Cosh\,[\,2\,x\,]\,\right)\,\,\sqrt{\,3\,a-b+3\,c+\,(-4\,a+4\,c)\,\,Cosh\,[\,2\,x\,]\,+\,(a+b+c)\,\,Cosh\,[\,4\,x\,]}\right)
                         \left(\;(\,3\;a\,-\,b\,+\,3\;c\,-\,4\;\;(a\,-\,c\,)\;\;Cosh\,[\,2\;x\,]\;+\;(a\,+\,b\,+\,c\,)\;\;Cosh\,[\,4\;x\,]\;\right)\;\;Csch\,[\,x\,]^{\,4}\right)^{\,3/2}\right)\,+\,(\,3\,a\,-\,b\,+\,3\,c\,-\,4\;\;(a\,-\,c\,)\;\;Cosh\,[\,2\;x\,]\,+\,(\,a\,+\,b\,+\,c\,)\;\;Cosh\,[\,4\;x\,]\,)
c \, Cosh[2 \, x] (3 \, a - b + 3 \, c - 4 (a - c) \, Cosh[2 \, x] + (a + b + c) \, Cosh[4 \, x])
                           \left(2\; a\; \sqrt{\; 3\; a\; -\; b\; +\; 3\; c\; -\; 4\; a\; Cosh\left[\; 2\; x\; \right]\; +\; 4\; c\; Cosh\left[\; 2\; x\; \right]\; +\; a\; Cosh\left[\; 4\; x\; \right]\; +\; b\; Cosh\left[\; 4\; x\; \right]\; +\; c\; Cosh\left[\;
                                                2 b \sqrt{3 a - b + 3 c - 4 a Cosh[2 x] + 4 c Cosh[2 x] + a Cosh[4 x] + b Cosh[4 x] + c Cosh[4 x]} +
                                                2 c \sqrt{3 a - b + 3 c - 4 a Cosh[2 x] + 4 c Cosh[2 x] + a Cosh[4 x] + b Cosh[4 x] + c Cosh[4 x]}
                        \sqrt{\left[\frac{1}{2+b+a}\left(-2\,b-4\,c+\sqrt{2}\,\sqrt{\left(2\,b^2-8\,a\,c+a\,\left(3\,a-b+3\,c-4\,a\,Cosh[2\,x]+4\,c\,Cosh[2\,x]+a\,Cosh[4\,x]+b\,Cosh[4\,x]+b\,Cosh[4\,x]\right)\right]}\right]}
                                                                                                                                                                         c \, Cosh[4 \, x]) + b \, (3 \, a - b + 3 \, c - 4 \, a \, Cosh[2 \, x] + 4 \, c \, Cosh[2 \, x] + a \, Cosh[4 \, x] + b \, Cosh[4 \, x] + c \, Cosh[4 \, x]) + c
                                                                                                                                    c (3 a - b + 3 c - 4 a Cosh[2 x] + 4 c Cosh[2 x] + a Cosh[4 x] + b Cosh[4 x] + c Cosh[4 x]))
                                                                                                                                                                                                                                        \frac{\sqrt{3\,a-b+3\,c-4\,a\,Cosh[\,2\,x\,]+4\,c\,Cosh[\,2\,x\,]+a\,Cosh[\,4\,x\,]+b\,Cosh[\,4\,x\,]+c\,Cosh[\,4\,x\,]}}{2\,\sqrt{c}}\Big]}{2\,\sqrt{c}}
                        Csch[x]^2
                                              \frac{1}{2\sqrt{c}} \operatorname{ArcTanh}\left[\left(\left(b+2c\right)\sqrt{3 a-b+3 c-4 a \operatorname{Cosh}\left[2x\right]+4 c \operatorname{Cosh}\left[2x\right]+a \operatorname{Cosh}\left[4x\right]+b \operatorname{Cosh}\left[4x\right]+c \operatorname{Cosh}\left[4x\right]}\right)\right/
                                                                                       2\sqrt{c}\sqrt{(2b^2-8ac+a(3a-b+3c-4a\cosh[2x]+4c\cosh[2x]+a\cosh[4x]+b\cosh[4x]+c\cosh[4x])}
                                                                                                                                                  b (3 a - b + 3 c - 4 a Cosh[2 x] + 4 c Cosh[2 x] + a Cosh[4 x] + b Cosh[4 x] + c Cosh[4 x]) +
                                                                                                                                                c(3a-b+3c-4aCosh[2x]+4cCosh[2x]+aCosh[4x]+bCosh[4x]+cCosh[4x])))
                                                \frac{1}{\sqrt{a+b+c}} \, \, \text{Log} \Big[ \, 2 \, \Big( a \, \sqrt{3 \, a-b+3 \, c-4 \, a \, \text{Cosh}[\, 2 \, x] \, + 4 \, c \, \text{Cosh}[\, 2 \, x] \, + a \, \text{Cosh}[\, 4 \, x] \, + b \, \text{Cosh}[\, 4 \, x] \, + c \,
                                                                                                          b\,\sqrt{\,3\,\,a\,-\,b\,+\,3\,\,c\,-\,4\,\,a\,\,Cosh\,[\,2\,\,x\,]\,\,+\,4\,\,c\,\,Cosh\,[\,2\,\,x\,]\,\,+\,a\,\,Cosh\,[\,4\,\,x\,]\,\,+\,b\,\,Cosh\,[\,4\,\,x\,]\,\,+\,c\,\,Cosh\,[\,4\,\,x\,]\,\,+\,c\,\,Cosh\,[\,4\,\,x\,]\,\,+\,b\,\,Cosh\,[\,4\,\,x\,]\,\,+\,b\,\,Cosh\,[\,4\,\,x\,]\,\,+\,b\,\,Cosh\,[\,4\,\,x\,]\,\,+\,b\,\,Cosh\,[\,4\,\,x\,]\,\,+\,b\,\,Cosh\,[\,4\,\,x\,]\,\,+\,b\,\,Cosh\,[\,4\,\,x\,]\,\,+\,b\,\,Cosh\,[\,4\,\,x\,]\,\,+\,b\,\,Cosh\,[\,4\,\,x\,]\,\,+\,b\,\,Cosh\,[\,4\,\,x\,]\,\,+\,b\,\,Cosh\,[\,4\,\,x\,]\,\,+\,b\,\,Cosh\,[\,4\,\,x\,]\,\,+\,b\,\,Cosh\,[\,4\,\,x\,]\,\,+\,b\,\,Cosh\,[\,4\,\,x\,]\,\,+\,b\,\,Cosh\,[\,4\,\,x\,]\,\,+\,b\,\,Cosh\,[\,4\,\,x\,]\,\,+\,b\,\,Cosh\,[\,4\,\,x\,]\,\,+\,b\,\,Cosh\,[\,4\,\,x\,]\,\,+\,b\,\,Cosh\,[\,4\,\,x\,]\,\,+\,b\,\,Cosh\,[\,4\,\,x\,]\,\,+\,b\,\,Cosh\,[\,4\,\,x\,]\,\,+\,b\,\,Cosh\,[\,4\,\,x\,]\,\,+\,b\,\,Cosh\,[\,4\,\,x\,]\,\,+\,b\,\,Cosh\,[\,4\,\,x\,]\,\,+\,b\,\,Cosh\,[\,4\,\,x\,]\,\,+\,b\,\,Cosh\,[\,4\,\,x\,]\,\,+\,b\,\,Cosh\,[\,4\,\,x\,]\,\,+\,b\,\,Cosh\,[\,4\,\,x\,]\,\,+\,b\,\,Cosh\,[\,4\,\,x\,]\,\,+\,b\,\,Cosh\,[\,4\,\,x\,]\,\,+\,b\,\,Cosh\,[\,4\,\,x\,]\,\,+\,b\,\,Cosh\,[\,4\,\,x\,]\,\,+\,b\,\,Cosh\,[\,4\,\,x\,]\,\,+\,b\,\,Cosh\,[\,4\,\,x\,]\,\,+\,b\,\,Cosh\,[\,4\,\,x\,]\,\,+\,b\,\,Cosh\,[\,4\,\,x\,]\,\,+\,b\,\,Cosh\,[\,4\,\,x\,]\,\,+\,b\,\,Cosh\,[\,4\,\,x\,]\,\,+\,b\,\,Cosh\,[\,4\,\,x\,]\,\,+\,b\,\,Cosh\,[\,4\,\,x\,]\,\,+\,b\,\,Cosh\,[\,4\,\,x\,]\,\,+\,b\,\,Cosh\,[\,4\,\,x\,]\,\,+\,b\,\,Cosh\,[\,4\,\,x\,]\,\,+\,b\,\,Cosh\,[\,4\,\,x\,]\,\,+\,b\,\,Cosh\,[\,4\,\,x\,]\,\,+\,b\,\,Cosh\,[\,4\,\,x\,]\,\,+\,b\,\,Cosh\,[\,4\,\,x\,]\,\,+\,b\,\,Cosh\,[\,4\,\,x\,]\,\,+\,b\,\,Cosh\,[\,4\,\,x\,]\,\,+\,b\,\,Cosh\,[\,4\,\,x\,]\,\,+\,b\,\,Cosh\,[\,4\,\,x\,]\,\,+\,b\,\,Cosh\,[\,4\,\,x\,]\,\,+\,b\,\,Cosh\,[\,4\,\,x\,]\,\,+\,b\,\,Cosh\,[\,4\,\,x\,]\,\,+\,b\,\,Cosh\,[\,4\,\,x\,]\,\,+\,b\,\,Cosh\,[\,4\,\,x\,]\,\,+\,b\,\,Cosh\,[\,4\,\,x\,]\,\,+\,b\,\,Cosh\,[\,4\,\,x\,]\,\,+\,b\,\,Cosh\,[\,4\,\,x\,]\,\,+\,b\,\,Cosh\,[\,4\,\,x\,]\,\,+\,b\,\,Cosh\,[\,4\,\,x\,]\,\,+\,b\,\,Cosh\,[\,4\,\,x\,]\,\,+\,b\,\,Cosh\,[\,4\,\,x\,]\,\,+\,b\,\,Cosh\,[\,4\,\,x\,]\,\,+\,b\,\,Cosh\,[\,4\,\,x\,]\,\,+\,b\,\,Cosh\,[\,4\,\,x\,]\,\,+\,b\,\,Cosh\,[\,4\,\,x\,]\,\,+\,b\,\,Cosh\,[\,4\,\,x\,]\,\,+\,b\,\,Cosh\,[\,4\,\,x\,]\,\,+\,b\,\,Cosh\,[\,4\,\,x\,]\,\,+\,b\,\,Cosh\,[\,4\,\,x\,]\,\,+\,b\,\,Cosh\,[\,4\,\,x\,]\,\,+\,b\,\,Cosh\,[\,4\,\,x\,]\,\,+\,b\,\,Cosh\,[\,4\,\,x\,]\,\,+\,b\,\,Cosh\,[\,4\,\,x\,]\,\,+\,b\,\,Cosh\,[\,4\,\,x\,]\,\,+\,b\,\,Cosh\,[\,4\,\,x\,]\,\,+\,b\,\,Cosh\,[\,4\,\,x\,]\,\,+\,b\,\,Cosh\,[\,4\,\,x\,]\,\,+\,b\,\,Cosh\,[\,4\,\,x\,]\,\,+\,b\,\,Cosh\,[\,4\,\,x\,]\,\,+\,b\,\,Cosh\,[\,4\,\,x\,]\,\,+\,b\,\,Cosh\,[\,4\,\,x\,]\,\,+\,b\,\,Cosh\,[\,4\,\,x\,]\,\,+\,b\,\,Cosh\,[\,4\,\,x\,]\,\,+\,b\,\,Cosh\,[\,4\,\,x\,]\,\,+\,b\,\,Cosh\,[\,4\,\,x\,]\,\,+\,b\,\,Cosh\,[\,4\,\,x\,]\,\,+\,b\,\,Cosh\,[\,4\,\,x\,]\,\,+\,b\,\,Cosh\,[\,4\,\,x\,]\,\,+\,b\,\,Cosh\,[\,4\,\,x\,]\,\,+\,b\,\,Cosh\,[\,4\,\,x\,]\,\,+\,b\,\,Cosh\,[\,4\,\,x\,]\,\,+\,b\,\,Cosh\,[\,4\,\,x\,]\,\,+\,b\,\,Cosh\,[\,4\,\,x\,]\,\,+\,b\,\,Cosh\,[\,4\,\,x\,
                                                                                                            {\tt c}\,\sqrt{\,3\,{\tt a}\,-\,{\tt b}\,+\,3\,{\tt c}\,-\,4\,{\tt a}\,{\tt Cosh}[\,2\,\,{\tt x}\,]\,+\,4\,{\tt c}\,{\tt Cosh}[\,2\,\,{\tt x}\,]\,+\,{\tt a}\,{\tt Cosh}[\,4\,\,{\tt x}\,]\,+\,{\tt b}\,{\tt Cosh}[\,4\,\,{\tt x}\,]\,+\,{\tt c}\,{\tt Cosh}[\,4\,\,{\tt x}\,]\,+\,{\tt d}\,{\tt c}\,{\tt cosh}[\,4\,\,{\tt x}\,]\,+\,{\tt d}\,{\tt cosh}[\,4\,\,{\tt cosh}[\,4\,\,{\tt x}\,]\,+\,{\tt d}\,{\tt cosh}[\,4\,\,{\tt x}\,]\,+\,{\tt d}\,{\tt cosh}[\,4\,\,{\tt x}\,]\,+\,{\tt d}\,{\tt cosh}[\,4\,\,{\tt cosh}[\,4\,\,{\tt x}\,]\,+\,{\tt d}\,{\tt cosh}[\,4\,\,{\tt cosh}[\,4\,\,{\tt cosh}[\,4\,\,{\tt cosh}[\,4\,\,{\tt cosh}[\,4\,\,{\tt cosh}[\,4\,\,{\tt cosh}[\,4\,\,{\tt cosh}[\,4\,\,{\tt co
                                                                                                                          \sqrt{(2b^2 - 8ac + a(3a - b + 3c - 4aCosh[2x] + 4cCosh[2x] + aCosh[4x] + bCosh[4x] + cCosh[4x])} + cCosh[4x] + cCos
                                                                                                                                                            b (3 a - b + 3 c - 4 a Cosh[2x] + 4 c Cosh[2x] + a Cosh[4x] + b Cosh[4x] + c Cosh[4x])
                                                                                                                                                            c (3 a - b + 3 c - 4 a Cosh[2 x] + 4 c Cosh[2 x] + a Cosh[4 x] + b Cosh[4 x] + c Cosh[4 x]))
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b \operatorname{Csch}[x]^2 \operatorname{Sinh}[2x]
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                c Csch[x]^2 Sinh[2x]
                                                       \sqrt{3 a - b + 3 c - 4 (a - c) \cosh[2 x] + (a + b + c) \cosh[4 x]}
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     \sqrt{3 a - b + 3 c - 4 (a - c) Cosh[2 x] + (a + b + c) Cosh[4 x]}
                                                                                                                                                                                                             c Cosh[2x] Csch[x]^2 Sinh[2x]
                                                     \sqrt{3 a - b + 3 c - 4 (a - c) \cosh[2 x] + (a + b + c) \cosh[4 x]}
                       (-4 \text{ a Sinh}[2x] + 4 \text{ c Sinh}[2x] + 2 \text{ a Sinh}[4x] + 2 \text{ b Sinh}[4x] + 2 \text{ c Sinh}[4x])
                       \left(-4 \left(3 \text{ a} - \text{b} + 3 \text{ c} - 4 \left(\text{a} - \text{c}\right) \text{ Cosh} \left[2 \text{ x}\right] + \left(\text{a} + \text{b} + \text{c}\right) \text{ Cosh} \left[4 \text{ x}\right]\right) \text{ Coth} \left[\text{x}\right] \text{ Csch} \left[\text{x}\right]^{4} + \left(\text{cosh} \left[4 \text{ c}\right]\right) \text{ Cosh} \left[4 \text{ c}\right] \text{ Csch} \left[4 \text{ c}\right]
                                             Csch[x]^{4}(-8(a-c)Sinh[2x]+4(a+b+c)Sinh[4x])
32 \ (b-c-c \ Cosh[2 \ x]) \ \sqrt{3} \ a-b+3 \ c-4 \ a \ Cosh[2 \ x] \ +4 \ c \ Cosh[2 \ x] \ +a \ Cosh[4 \ x] \ +b \ Cosh[4 \ x] \ +c \ Cosh[4 \ x
                   \sqrt{(2b^2 - 8ac + a(3a - b + 3c - 4aCosh[2x] + 4cCosh[2x] + aCosh[4x] + bCosh[4x] + cCosh[4x])} + cCosh[4x]
                                                            b\ (3\ a\ -\ b\ +\ 3\ c\ -\ 4\ a\ Cosh[\ 2\ x]\ +\ 4\ c\ Cosh[\ 2\ x]\ +\ a\ Cosh[\ 4\ x]\ +\ b\ Cosh[\ 4\ x]\ +\ c\ Cosh[\ 4\ x]\ )\ +\ c\ c\ Cosh[\ 4\ x]\ )\ +\ c\ c\ Cosh[\ 4\ x]\ )\ +\ c\ c\ c\ c\ c\ 
                                                                c(3a-b+3c-4aCosh[2x]+4cCosh[2x]+aCosh[4x]+bCosh[4x]+cCosh[4x])
                                                         \frac{1}{a+b+c} \left( 4\,a+2\,b+\sqrt{2}\,\sqrt{\left(2\,b^2-8\,a\,c+a\,\left(3\,a-b+3\,c-4\,a\,Cosh[2\,x]+4\,c\,Cosh[2\,x]+a\,Cosh[4\,x]+b\,Cosh[4\,x]+b\,Cosh[4\,x]+b\,Cosh[4\,x]+b\,Cosh[4\,x]+b\,Cosh[4\,x]+b\,Cosh[4\,x]+b\,Cosh[4\,x]+b\,Cosh[4\,x]+b\,Cosh[4\,x]+b\,Cosh[4\,x]+b\,Cosh[4\,x]+b\,Cosh[4\,x]+b\,Cosh[4\,x]+b\,Cosh[4\,x]+b\,Cosh[4\,x]+b\,Cosh[4\,x]+b\,Cosh[4\,x]+b\,Cosh[4\,x]+b\,Cosh[4\,x]+b\,Cosh[4\,x]+b\,Cosh[4\,x]+b\,Cosh[4\,x]+b\,Cosh[4\,x]+b\,Cosh[4\,x]+b\,Cosh[4\,x]+b\,Cosh[4\,x]+b\,Cosh[4\,x]+b\,Cosh[4\,x]+b\,Cosh[4\,x]+b\,Cosh[4\,x]+b\,Cosh[4\,x]+b\,Cosh[4\,x]+b\,Cosh[4\,x]+b\,Cosh[4\,x]+b\,Cosh[4\,x]+b\,Cosh[4\,x]+b\,Cosh[4\,x]+b\,Cosh[4\,x]+b\,Cosh[4\,x]+b\,Cosh[4\,x]+b\,Cosh[4\,x]+b\,Cosh[4\,x]+b\,Cosh[4\,x]+b\,Cosh[4\,x]+b\,Cosh[4\,x]+b\,Cosh[4\,x]+b\,Cosh[4\,x]+b\,Cosh[4\,x]+b\,Cosh[4\,x]+b\,Cosh[4\,x]+b\,Cosh[4\,x]+b\,Cosh[4\,x]+b\,Cosh[4\,x]+b\,Cosh[4\,x]+b\,Cosh[4\,x]+b\,Cosh[4\,x]+b\,Cosh[4\,x]+b\,Cosh[4\,x]+b\,Cosh[4\,x]+b\,Cosh[4\,x]+b\,Cosh[4\,x]+b\,Cosh[4\,x]+b\,Cosh[4\,x]+b\,Cosh[4\,x]+b\,Cosh[4\,x]+b\,Cosh[4\,x]+b\,Cosh[4\,x]+b\,Cosh[4\,x]+b\,Cosh[4\,x]+b\,Cosh[4\,x]+b\,Cosh[4\,x]+b\,Cosh[4\,x]+b\,Cosh[4\,x]+b\,Cosh[4\,x]+b\,Cosh[4\,x]+b\,Cosh[4\,x]+b\,Cosh[4\,x]+b\,Cosh[4\,x]+b\,Cosh[4\,x]+b\,Cosh[4\,x]+b\,Cosh[4\,x]+b\,Cosh[4\,x]+b\,Cosh[4\,x]+b\,Cosh[4\,x]+b\,Cosh[4\,x]+b\,Cosh[4\,x]+b\,Cosh[4\,x]+b\,Cosh[4\,x]+b\,Cosh[4\,x]+b\,Cosh[4\,x]+b\,Cosh[4\,x]+b\,Cosh[4\,x]+b\,Cosh[4\,x]+b\,Cosh[4\,x]+b\,Cosh[4\,x]+b\,Cosh[4\,x]+b\,Cosh[4\,x]+b\,Cosh[4\,x]+b\,Cosh[4\,x]+b\,Cosh[4\,x]+b\,Cosh[4\,x]+b\,Cosh[4\,x]+b\,Cosh[4\,x]+b\,Cosh[4\,x]+b\,Cosh[4\,x]+b\,Cosh[4\,x]+b\,Cosh[4\,x]+b\,Cosh[4\,x]+b\,Cosh[4\,x]+b\,Cosh[4\,x]+b\,Cosh[4\,x]+b\,Cosh[4\,x]+b\,Cosh[4\,x]+b\,Cosh[4\,x]+b\,Cosh[4\,x]+b\,Cosh[4\,x]+b\,Cosh[4\,x]+b\,Cosh[4\,x]+b\,Cosh[4\,x]+b\,Cosh[4\,x]+b\,Cosh[4\,x]+b\,Cosh[4\,x]+b\,Cosh[4\,x]+b\,Cosh[4\,x]+b\,Cosh[4\,x]+b\,Cosh[4\,x]+b\,Cosh[4\,x]+b\,Cosh[4\,x]+b\,Cosh[4\,x]+b\,Cosh[4\,x]+b\,Cosh[4\,x]+b\,Cosh[4\,x]+b\,Cosh[4\,x]+b\,Cosh[4\,x]+b\,Cosh[4\,x]+b\,Cosh[4\,x]+b\,Cosh[4\,x]+b\,Cosh[4\,x]+b\,Cosh[4\,x]+b\,Cosh[4\,x]+b\,Cosh[4\,x]+b\,Cosh[4\,x]+b\,Cosh[4\,x]+b\,Cosh[4\,x]+b\,Cosh[4\,x]+b\,Cosh[4\,x]+b\,Cosh[4\,x]+b\,Cosh[4\,x]+b\,Cosh[4\,x]+b\,Cosh[4\,x]+b\,Cosh[4\,x]+b\,Cosh[4\,x]+b\,Cosh[4\,x]+b\,Cosh[4\,x]+b\,Cosh[4\,x]+b\,Cosh[4\,x]+b\,Cosh[4\,x]+b\,Cosh[4\,x]+b\,Cosh[4\,x]+b\,Cosh[4\,x]+b\,Cosh[4\,x]+b\,Cosh[4\,x]+b\,
                                                                                                                                                                                                     {\tt c\,Cosh[4\,x])} + {\tt b\,(3\,a-b+3\,c-4\,a\,Cosh[2\,x]+4\,c\,Cosh[2\,x]+a\,Cosh[4\,x]+b\,Cosh[4\,x]+c\,Cosh[4\,x])} + {\tt a\,Cosh[4\,x]} + {\tt b\,Cosh[4\,x]} + {\tt b\,Cosh[4\,x]}
                                                                                                                                                        c (3 a - b + 3 c - 4 a Cosh[2 x] + 4 c Cosh[2 x] + a Cosh[4 x] + b Cosh[4 x] + c Cosh[4 x]))
                     \left(2\,\text{a} - 2\,\text{c} + \sqrt{2}\,\,\sqrt{\left(2\,\text{b}^2 - 8\,\text{a}\,\text{c} + \text{a}\,\left(3\,\text{a} - \text{b} + 3\,\text{c} - 4\,\text{a}\,\text{Cosh}[2\,\text{x}] + 4\,\text{c}\,\text{Cosh}[2\,\text{x}] + \text{a}\,\text{Cosh}[4\,\text{x}] + \text{b}\,\text{Cosh}[4\,\text{x}] + \text{c}\,\text{Cosh}[4\,\text{x}]\right) + 2\,\text{c}\,\text{cosh}[4\,\text{x}] + 2\,\text{c}\,\text{co
                                                                                                            \texttt{b} \; (3 \; \texttt{a} \; - \; \texttt{b} \; + \; 3 \; \texttt{c} \; - \; 4 \; \texttt{a} \; \texttt{Cosh}[\; 2 \; \texttt{x}] \; + \; 4 \; \texttt{c} \; \texttt{Cosh}[\; 2 \; \texttt{x}] \; + \; \texttt{a} \; \texttt{Cosh}[\; 4 \; \texttt{x}] \; + \; \texttt{b} \; \texttt{Cosh}[\; 4 \; \texttt{x}] \; + \; \texttt{c} \; \texttt{Cosh}[\; 4 \; \texttt{x}] \; ) \; + \; \texttt{c} \; \texttt{cosh}[\; 4 \; \texttt{x}] \; + \; \texttt{cosh}[\; 4 \; \texttt{
                                                                                                           c (3 a - b + 3 c - 4 a Cosh[2 x] + 4 c Cosh[2 x] + a Cosh[4 x] + b Cosh[4 x] + c Cosh[4 x]))
                   \sqrt{\left[-1 + \frac{1}{2(a+b+c)} \left(2a-2c+\sqrt{2}\sqrt{(2b^2-8ac+a(3a-b+3c-4aCosh[2x]+4cCosh[2x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCos
                                                                                                                                                                                                                      b \, Cosh[\, 4 \, x] \, + c \, Cosh[\, 4 \, x] \, ) \, + b \, (\, 3 \, a \, - \, b \, + \, 3 \, c \, - \, 4 \, a \, Cosh[\, 2 \, x] \, + \, 4 \, c \, Cosh[\, 2 \, x] \, + \, a \, Cosh[\, 4 \, x] \, + \, b \, Cosh[\, 4 \, x] \, + \, b \, Cosh[\, 4 \, x] \, + \, b \, Cosh[\, 4 \, x] \, + \, b \, Cosh[\, 4 \, x] \, + \, b \, Cosh[\, 4 \, x] \, + \, b \, Cosh[\, 4 \, x] \, + \, b \, Cosh[\, 4 \, x] \, + \, b \, Cosh[\, 4 \, x] \, + \, b \, Cosh[\, 4 \, x] \, + \, b \, Cosh[\, 4 \, x] \, + \, b \, Cosh[\, 4 \, x] \, + \, b \, Cosh[\, 4 \, x] \, + \, b \, Cosh[\, 4 \, x] \, + \, b \, Cosh[\, 4 \, x] \, + \, b \, Cosh[\, 4 \, x] \, + \, b \, Cosh[\, 4 \, x] \, + \, b \, Cosh[\, 4 \, x] \, + \, b \, Cosh[\, 4 \, x] \, + \, b \, Cosh[\, 4 \, x] \, + \, b \, Cosh[\, 4 \, x] \, + \, b \, Cosh[\, 4 \, x] \, + \, b \, Cosh[\, 4 \, x] \, + \, b \, Cosh[\, 4 \, x] \, + \, b \, Cosh[\, 4 \, x] \, + \, b \, Cosh[\, 4 \, x] \, + \, b \, Cosh[\, 4 \, x] \, + \, b \, Cosh[\, 4 \, x] \, + \, b \, Cosh[\, 4 \, x] \, + \, b \, Cosh[\, 4 \, x] \, + \, b \, Cosh[\, 4 \, x] \, + \, b \, Cosh[\, 4 \, x] \, + \, b \, Cosh[\, 4 \, x] \, + \, b \, Cosh[\, 4 \, x] \, + \, b \, Cosh[\, 4 \, x] \, + \, b \, Cosh[\, 4 \, x] \, + \, b \, Cosh[\, 4 \, x] \, + \, b \, Cosh[\, 4 \, x] \, + \, b \, Cosh[\, 4 \, x] \, + \, b \, Cosh[\, 4 \, x] \, + \, b \, Cosh[\, 4 \, x] \, + \, b \, Cosh[\, 4 \, x] \, + \, b \, Cosh[\, 4 \, x] \, + \, b \, Cosh[\, 4 \, x] \, + \, b \, Cosh[\, 4 \, x] \, + \, b \, Cosh[\, 4 \, x] \, + \, b \, Cosh[\, 4 \, x] \, + \, b \, Cosh[\, 4 \, x] \, + \, b \, Cosh[\, 4 \, x] \, + \, b \, Cosh[\, 4 \, x] \, + \, b \, Cosh[\, 4 \, x] \, + \, b \, Cosh[\, 4 \, x] \, + \, b \, Cosh[\, 4 \, x] \, + \, b \, Cosh[\, 4 \, x] \, + \, b \, Cosh[\, 4 \, x] \, + \, b \, Cosh[\, 4 \, x] \, + \, b \, Cosh[\, 4 \, x] \, + \, b \, Cosh[\, 4 \, x] \, + \, b \, Cosh[\, 4 \, x] \, + \, b \, Cosh[\, 4 \, x] \, + \, b \, Cosh[\, 4 \, x] \, + \, b \, Cosh[\, 4 \, x] \, + \, b \, Cosh[\, 4 \, x] \, + \, b \, Cosh[\, 4 \, x] \, + \, b \, Cosh[\, 4 \, x] \, + \, b \, Cosh[\, 4 \, x] \, + \, b \, Cosh[\, 4 \, x] \, + \, b \, Cosh[\, 4 \, x] \, + \, b \, Cosh[\, 4 \, x] \, + \, b \, Cosh[\, 4 \, x] \, + \, b \, Cosh[\, 4 \, x] \, + \, b \, Cosh[\, 4 \, x] \, + \, b \, Cosh[\, 4 \, x] \, + \, b \, Cosh[\, 4 \, x] \, + \, b \, Cosh[\, 4 \, x] \, + \, b \, Cosh[\, 4 \, x] \, + \, b \, Cosh[\, 4 \, x] \, + \, b \, Cosh[\, 4 \, x] \, + \, b \, Cosh[\, 4 \, x] \, + \, b \, C
                                                                                                                                                                                                                      c \, Cosh[4\,x]) + c \, (3\,a - b + 3\,c - 4\,a \, Cosh[2\,x] + 4\,c \, Cosh[2\,x] + a \, Cosh[4\,x] + b \, Cosh[4\,x] + c \, Cosh[4\,x]))
                 \sqrt{\left[1 + \frac{1}{2(a+b+c)} \left[2a-2c+\sqrt{2}\sqrt{2b^2-8ac+a(3a-b+3c-4a\cosh[2x]+4c\cosh[2x]+a\cosh[4x]+a\cosh[4x]+a\cosh[4x]+a\cosh[4x]+a\cosh[4x]+a\cosh[4x]+a\cosh[4x]+a\cosh[4x]+a\cosh[4x]+a\cosh[4x]+a\cosh[4x]+a\cosh[4x]+a\cosh[4x]+a\cosh[4x]+a\cosh[4x]+a\cosh[4x]+a\cosh[4x]+a\cosh[4x]+a\cosh[4x]+a\cosh[4x]+a\cosh[4x]+a\cosh[4x]+a\cosh[4x]+a\cosh[4x]+a\cosh[4x]+a\cosh[4x]+a\cosh[4x]+a\cosh[4x]+a\cosh[4x]+a\cosh[4x]+a\cosh[4x]+a\cosh[4x]+a\cosh[4x]+a\cosh[4x]+a\cosh[4x]+ah[4x]+ah[4x]+ah[4x]+ah[4x]+ah[4x]+ah[4x]+ah[4x]+ah[4x]+ah[4x]+ah[4x]+ah[4x]+ah[4x]+ah[4x]+ah[4x]+ah[4x]+ah[4x]+ah[4x]+ah[4x]+ah[4x]+ah[4x]+ah[4x]+ah[4x]+ah[4x]+ah[4x]+ah[4x]+ah[4x]+ah[4x]+ah[4x]+ah[4x]+ah[4x]+ah[4x]+ah[4x]+ah[4x]+ah[4x]+ah[4x]+ah[4x]+ah[4x]+ah[4x]+ah[4x]+ah[4x]+ah[4x]+ah[4x]+ah[4x]+ah[4x]+ah[4x]+ah[4x]+ah[4x]+ah[4x]+ah[4x]+ah[4x]+ah[4x]+ah[4x]+ah[4x]+ah[4x]+ah[4x]+ah[4x]+ah[4x]+ah[4x]+ah[4x]+ah[4x]+ah[4x]+ah[4x]+ah[4x]+ah[4x]+ah[4x]+ah[4x]+ah[4x]+ah[4x]+ah[4x]+ah[4x]+ah[4x]+ah[4x]+ah[4x]+ah[4x]+ah[4x]+ah[4x]+ah[4x]+ah[4x]+ah[4x]+ah[4x]+ah[4x]+ah[4x]+ah[4x]+ah[4x]+ah[4x]+ah[4x]+ah[4x]+ah[4x]+ah[4x]+ah[4x]+ah[4x]+ah[4x]+ah[4x]+ah[4x]+ah[4x]+ah[4x]+ah[4x]+ah[4x]+ah[4x]+ah[4x]+ah[4x]+ah[4x]+ah[4x]+ah[4x]+ah[4x]+ah[4x]+ah[4x]+ah[4x]+ah[4x]+ah[4x]+ah[4x]+ah[4x]+ah[4x]+ah[4x]+ah[4x]+ah[4x]+ah[4x]+ah[4x]+ah[4x]+ah[4x]+ah[4x]+ah[4x]+ah[4x]+ah[4x]+ah[4x]+ah[4x]+ah[4x]+ah[4x]+ah[4x]+ah[4x]+ah[4x]+ah[4x]+ah[4x]+ah[4x]+ah[4x]+ah[4x]+ah[4x]+ah[4x]+ah[4x]+ah[4x]+ah[4x]+ah[4x]+ah[4x]+ah[4x]+ah[4x]+ah[4x]+ah[4x]+ah[4x]+ah[4x]+ah[4x]+ah[4x]+ah[4x]+ah[4x]+ah[4x]+ah[4x]+ah[4x]+ah[4x]+ah[4x]+ah[4x]+ah[4x]+ah[4x]+ah[4x]+ah[4x]+ah[4x]+ah[4x]+ah[4x]+ah[4x]+ah[4x]+ah[4x]+ah[4x]+ah[4x]+ah[4x]+ah[4x]+ah[4x]+ah[4x]+ah[4x]+ah[4x]+ah[4x]+ah[4x]+ah[4x]+ah[4x]+ah[4x]+ah[4x]+ah[4x]+ah[4x]+ah[4x]+ah[4x]+ah[4x]+ah[4x]+ah[4x]+ah[4x]+ah[4x]+ah[4x]+ah[4x]+ah[4x]+ah[4x]+ah[4x]+ah[4x]+ah[4x]+ah[4x]+ah[4x]+ah[4x]+ah[4x]+ah[4x]+ah[4x]+ah[4x]+ah[4x]+ah[4x]+ah[4x]+ah[4x]+ah[4x]+ah[4x]+ah[4x]+ah[4x]+ah[4x]+ah[4x]+ah[4x]+ah[4x]+ah[4x]+ah[4x]+ah[4x]+ah[4x]+ah[4x]+ah[4x]+ah[4x]+ah[4x]+ah[4x]+ah[4x]+ah[4x]+ah[4x]+ah[4x]+ah[4x]+ah[4x]+ah[4x]+ah[4x]+ah[4x]+ah[4x]+ah[4x]+ah[4x]+ah[4x]+ah[4x]+ah[4x]+ah[4x]+ah[4x]+ah[4x]+ah[4x]+ah[4x
                                                                                                                                                                                                                      b Cosh[4x] + c Cosh[4x]) + b (3a - b + 3c - 4a Cosh[2x] + 4c Cosh[2x] + a Cosh[4x] + b Cosh[4x] +
                                                                                                                                                                                                                    c \cosh[4x] + c (3a - b + 3c - 4a \cosh[2x] + 4c \cosh[2x] + a \cosh[4x] + b \cosh[4x] + c \cosh[4x])
                   \left( (3 a - b + 3 c - 4 (a - c) Cosh[2 x] + (a + b + c) Cosh[4 x] \right) Csch[x]^{4} \right)^{3/2} + \left( (b - c) (1 + Cosh[2 x]) \right)^{3/2} + \left( (b - c) (1 + Cosh[2 x]) \right)^{3/2} + \left( (b - c) (1 + Cosh[2 x]) \right)^{3/2} + \left( (b - c) (1 + Cosh[2 x]) \right)^{3/2} + \left( (b - c) (1 + Cosh[2 x]) \right)^{3/2} + \left( (b - c) (1 + Cosh[2 x]) \right)^{3/2} + \left( (b - c) (1 + Cosh[2 x]) \right)^{3/2} + \left( (b - c) (1 + Cosh[2 x]) \right)^{3/2} + \left( (b - c) (1 + Cosh[2 x]) \right)^{3/2} + \left( (b - c) (1 + Cosh[2 x]) \right)^{3/2} + \left( (b - c) (1 + Cosh[2 x]) \right)^{3/2} + \left( (b - c) (1 + Cosh[2 x]) \right)^{3/2} + \left( (b - c) (1 + Cosh[2 x]) \right)^{3/2} + \left( (b - c) (1 + Cosh[2 x]) \right)^{3/2} + \left( (b - c) (1 + Cosh[2 x]) \right)^{3/2} + \left( (b - c) (1 + Cosh[2 x]) \right)^{3/2} + \left( (b - c) (1 + Cosh[2 x]) \right)^{3/2} + \left( (b - c) (1 + Cosh[2 x]) \right)^{3/2} + \left( (b - c) (1 + Cosh[2 x]) \right)^{3/2} + \left( (b - c) (1 + Cosh[2 x]) \right)^{3/2} + \left( (b - c) (1 + Cosh[2 x]) \right)^{3/2} + \left( (b - c) (1 + Cosh[2 x]) \right)^{3/2} + \left( (b - c) (1 + Cosh[2 x]) \right)^{3/2} + \left( (b - c) (1 + Cosh[2 x]) \right)^{3/2} + \left( (b - c) (1 + Cosh[2 x]) \right)^{3/2} + \left( (b - c) (1 + Cosh[2 x]) \right)^{3/2} + \left( (b - c) (1 + Cosh[2 x]) \right)^{3/2} + \left( (b - c) (1 + Cosh[2 x]) \right)^{3/2} + \left( (b - c) (1 + Cosh[2 x]) \right)^{3/2} + \left( (b - c) (1 + Cosh[2 x]) \right)^{3/2} + \left( (b - c) (1 + Cosh[2 x]) \right)^{3/2} + \left( (b - c) (1 + Cosh[2 x]) \right)^{3/2} + \left( (b - c) (1 + Cosh[2 x]) \right)^{3/2} + \left( (b - c) (1 + Cosh[2 x]) \right)^{3/2} + \left( (b - c) (1 + Cosh[2 x]) \right)^{3/2} + \left( (b - c) (1 + Cosh[2 x]) \right)^{3/2} + \left( (b - c) (1 + Cosh[2 x]) \right)^{3/2} + \left( (b - c) (1 + Cosh[2 x]) \right)^{3/2} + \left( (b - c) (1 + Cosh[2 x]) \right)^{3/2} + \left( (b - c) (1 + Cosh[2 x]) \right)^{3/2} + \left( (b - c) (1 + Cosh[2 x]) \right)^{3/2} + \left( (b - c) (1 + Cosh[2 x]) \right)^{3/2} + \left( (b - c) (1 + Cosh[2 x]) \right)^{3/2} + \left( (b - c) (1 + Cosh[2 x]) \right)^{3/2} + \left( (b - c) (1 + Cosh[2 x]) \right)^{3/2} + \left( (b - c) (1 + Cosh[2 x]) \right)^{3/2} + \left( (b - c) (1 + Cosh[2 x]) \right)^{3/2} + \left( (b - c) (1 + Cosh[2 x]) \right)^{3/2} + \left( (b - c) (1 + Cosh[2 x]) \right)^{3/2} + \left( (b - c) (1 + Cosh[2 x]) \right)^{3/2} + \left( (b - c) (1 + Cosh[2 x]) \right)^{3/2} + \left( (b - c) (1 + 
                     (3 a - b + 3 c - 4 (a - c) Cosh[2x] + (a + b + c) Cosh[4x])
```

```
3a - b + 3c + (-4a + 4c) Cosh[2x] + (a + b + c) Cosh[4x]
                                                                                                         (1 + Cosh[2x])^2
           Csch[x]
            \left[ \text{Log} \left[ \sqrt{c} \ \text{Tanh} \left[ \mathbf{x} \right]^2 \right] - \text{Log} \left[ 2 \ c + b \ \text{Tanh} \left[ \mathbf{x} \right]^2 + 2 \sqrt{c} \ \sqrt{c + \text{Tanh} \left[ \mathbf{x} \right]^2 \left( b + a \ \text{Tanh} \left[ \mathbf{x} \right]^2 \right)} \ \right] \right] = 0
           Sech[x]
                                                                                            2 b Cosh[2x] Csch[x]^{2}
                      \sqrt{3 a - b + 3 c - 4 (a - c) Cosh[2 x] + (a + b + c) Cosh[4 x]}
                                                                                              2 c Cosh[2x] Csch[x]^2
                        \sqrt{3 a - b + 3 c - 4 (a - c) Cosh[2x] + (a + b + c) Cosh[4x]}
                                                                                           2 \operatorname{c Cosh}[2x]^2 \operatorname{Csch}[x]^2
                        \sqrt{3 a - b + 3 c - 4 (a - c) \cosh[2 x] + (a + b + c) \cosh[4 x]}
                                                                            2 b Coth[x] Csch[x]^2 Sinh[2x]
                        \sqrt{3 a - b + 3 c - 4 (a - c) \cosh[2 x] + (a + b + c) \cosh[4 x]}
                                                                            2 c Coth[x] Csch[x]^2 Sinh[2x]
                        \sqrt{3 a - b + 3 c - 4 (a - c) \cosh[2 x] + (a + b + c) \cosh[4 x]}
                                                       2 c Cosh[2x] Coth[x] Csch[x]^2 Sinh[2x]
                        \sqrt{3 a - b + 3 c - 4 (a - c) Cosh[2x] + (a + b + c) Cosh[4x]}
                                                                                        2 c Csch[x]^2 Sinh[2x]^2
                       \sqrt{3 a - b + 3 c - 4 (a - c) \cosh[2 x] + (a + b + c) \cosh[4 x]}
                       b \, Csch[x]^2 \, Sinh[2x] \, (-8 \, (a-c) \, Sinh[2x] + 4 \, (a+b+c) \, Sinh[4x])
                                     2(3a-b+3c-4(a-c) Cosh[2x] + (a+b+c) Cosh[4x])^{3/2}
                       c \, Csch[x]^2 \, Sinh[2x] \, (-8 \, (a-c) \, Sinh[2x] + 4 \, (a+b+c) \, Sinh[4x])
                                      2\ (3\ a-b+3\ c-4\ (a-c)\ Cosh[\, 2\, x\,]\ +\ (a+b+c)\ Cosh[\, 4\, x\,]\,)^{\,3/2}
                       \texttt{c} \; \texttt{Cosh[2\,x]} \; \texttt{Csch[x]^2} \; \texttt{Sinh[2\,x]} \; \; (-8 \; (\texttt{a-c}) \; \texttt{Sinh[2\,x]} \; + \; 4 \; (\texttt{a+b+c}) \; \texttt{Sinh[4\,x]})
                                                         2 (3 a - b + 3 c - 4 (a - c) Cosh[2x] + (a + b + c) Cosh[4x])^{3/2}
   \left( 8\,\sqrt{2}\,\,\sqrt{c}\,\,\left( b-c-c\,\,\text{Cosh}\left[\,2\,\,x\,\right]\,\right)\,\,\sqrt{\,3\,\,a-b+3\,\,c\,+\,\,\left(-4\,\,a\,+\,4\,\,c\,\right)\,\,\text{Cosh}\left[\,2\,\,x\,\right]\,+\,\,\left(a+b+c\right)\,\,\text{Cosh}\left[\,4\,\,x\,\right]} \right) \\ \left( 8\,\sqrt{\,2}\,\,\sqrt{c}\,\,\left( b-c-c\,\,\text{Cosh}\left[\,2\,\,x\,\right]\,\right)\,\,\sqrt{\,3\,\,a-b+3\,\,c\,+\,\,\left(-4\,\,a\,+\,4\,\,c\,\right)\,\,\text{Cosh}\left[\,2\,\,x\,\right]\,+\,\,\left(a+b+c\right)\,\,\text{Cosh}\left[\,4\,\,x\,\right]} \right) \\ \left( 8\,\sqrt{\,2}\,\,\sqrt{c}\,\,\left( b-c-c\,\,c\,\,\text{Cosh}\left[\,2\,\,x\,\right]\,\right) \\ \left( 8\,\sqrt{\,2}\,\,\sqrt{c}\,\,\left( b-c-c\,\,c\,\,\text{Cosh}\left[\,2\,\,x\,\right]\,\right) \\ \left( 8\,\sqrt{\,2}\,\,\sqrt{c}\,\,\left( b-c-c\,\,c\,\,\text{Cosh}\left[\,2\,\,x\,\right]\,\right) \\ \left( 8\,\sqrt{\,2}\,\,\sqrt{c}\,\,\left( b-c-c\,\,c\,\,\text{Cosh}\left[\,2\,\,x\,\right]\,\right) \\ \left( 8\,\sqrt{\,2}\,\,\sqrt{c}\,\,\left( b-c-c-c\,\,\text{Cosh}\left[\,2\,\,x\,\right]\,\right) \\ \left( 8\,\sqrt{\,2}\,\,\sqrt{c}\,\,\sqrt{c}\,\,\left( b-c-c-c\,\,\text{Cosh}\left[\,2\,\,x\,\right]\,\right) \\ \left( 8\,\sqrt{\,2}\,\,\sqrt{c}\,\,\sqrt{c}\,\,\left( b-c-c-c\,\,\text{Cosh}\left[\,2\,\,x\,\right]\,\right) \\ \left( 8\,\sqrt{\,2}\,\,\sqrt{c}\,\,\sqrt{c}\,\,\sqrt{c}\,\,\sqrt{c}\,\,\sqrt{c}\,\,\sqrt{c}\,\,\sqrt{c}\,\,\sqrt{c}\,\,\sqrt{c}\,\,\sqrt{c}\,\,\sqrt{c}\,\,\sqrt{c}\,\,\sqrt{c}\,\,\sqrt{c}\,\,\sqrt{c}\,\,\sqrt{c}\,\,\sqrt{c}\,\,\sqrt{c}\,\,\sqrt{c}\,\,\sqrt{c}\,\,\sqrt{c}\,\,\sqrt{c}\,\,\sqrt{c}\,\,\sqrt{c}\,\,\sqrt{c}\,\,\sqrt{c}\,\,\sqrt{c}\,\,\sqrt{c}\,\,\sqrt{c}\,\,\sqrt{c}\,\,\sqrt{c}\,\,\sqrt{c}\,\,\sqrt{c}\,\,\sqrt{c}\,\,\sqrt{c}\,\,\sqrt{c}\,\,\sqrt{c}\,\,\sqrt{c}\,\,\sqrt{c}\,\,\sqrt{c}\,\,\sqrt{c}\,\,\sqrt{c}\,\,\sqrt{c}\,\,\sqrt{c}\,\,\sqrt{c}\,\,\sqrt{c}\,\,\sqrt{c}\,\,\sqrt{c}\,\,\sqrt{c}\,\,\sqrt{c}\,\,\sqrt{c}\,\,\sqrt{c}\,\,\sqrt{c}\,\,\sqrt{c}\,\,\sqrt{c}\,\,\sqrt{c}\,\,\sqrt{c}\,\,\sqrt{c}\,\,\sqrt{c}\,\,\sqrt{c}\,\,\sqrt{c}\,\,\sqrt{c}\,\,\sqrt{c}\,\,\sqrt{c}\,\,\sqrt{c}\,\,\sqrt{c}\,\,\sqrt{c}\,\,\sqrt{c
           \sqrt{\;(3\;a-b+3\;c-4\;(a-c)\;Cosh[2\;x]\;+\;(a+b+c)\;Cosh[4\;x]\,)\;Csch[x]^{\;4}\;}\;\Big|\;-
c \, Cosh[2 \, x] \, (3 \, a - b + 3 \, c - 4 \, (a - c) \, Cosh[2 \, x] + (a + b + c) \, Cosh[4 \, x])
```

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 \left[ 2 \text{ a} \sqrt{3 \text{ a} - \text{b} + 3 \text{ c} - 4 \text{ a} \text{ Cosh}[2 \text{ x}] + 4 \text{ c} \text{ Cosh}[2 \text{ x}] + \text{a} \text{ Cosh}[4 \text{ x}] + \text{b} \text{ Cosh}[4 \text{ x}] + \text{c} \text{ Cosh}[4 \text{ x}]
                     2 b \sqrt{3} a - b + 3 c - 4 a Cosh[2 x] + 4 c Cosh[2 x] + a Cosh[4 x] + b Cosh[4 x] + c Cosh[4 x] + c Cosh[4 x]
                     2 c \sqrt{3 a - b + 3 c - 4 a Cosh[2 x] + 4 c Cosh[2 x] + a Cosh[4 x] + b Cosh[4 x] + c Cosh[4 x]}
\sqrt{\left[\frac{1}{2^{-1}b^{-1}a^{-1}}\left(-2b-4c+\sqrt{2}\sqrt{2b^{2}-8ac+a(3a-b+3c-4a\cosh[2x]+4c\cosh[2x]+a\cosh[4x]+b\cosh[4x]+b\cosh[4x]+b\cosh[4x]+b\cosh[4x]+b\cosh[4x]+b\cosh[4x]+b\cosh[4x]+b\cosh[4x]+b\cosh[4x]+b\cosh[4x]+b\cosh[4x]+b\cosh[4x]+b\cosh[4x]+b\cosh[4x]+b\cosh[4x]+b\cosh[4x]+b\cosh[4x]+b\cosh[4x]+b\cosh[4x]+b\cosh[4x]+b\cosh[4x]+b\cosh[4x]+b\cosh[4x]+b\cosh[4x]+b\cosh[4x]+b\cosh[4x]+b\cosh[4x]+b\cosh[4x]+b\cosh[4x]+b\cosh[4x]+b\cosh[4x]+b\cosh[4x]+b\cosh[4x]+b\cosh[4x]+b\cosh[4x]+b\cosh[4x]+b\cosh[4x]+b\cosh[4x]+b\cosh[4x]+b\cosh[4x]+b\cosh[4x]+b\cosh[4x]+b\cosh[4x]+b\cosh[4x]+b\cosh[4x]+b\cosh[4x]+b\cosh[4x]+b\cosh[4x]+b\cosh[4x]+b\cosh[4x]+b\cosh[4x]+b\cosh[4x]+b\cosh[4x]+b\cosh[4x]+b\cosh[4x]+bhanden + bhanden + bh
                                                                                                                               \verb|cCosh[4x]| + b(3a - b + 3c - 4aCosh[2x] + 4cCosh[2x] + aCosh[4x] + bCosh[4x] + cCosh[4x]) + cCosh[4x] + bCosh[4x] + bCosh[
                                                                                               c (3 a - b + 3 c - 4 a Cosh[2 x] + 4 c Cosh[2 x] + a Cosh[4 x] + b Cosh[4 x] + c Cosh[4 x]))
                   \frac{1}{2\sqrt{c}} \operatorname{ArcTanh} \left[ \left( (b+2c) \sqrt{3 a-b+3 c-4 a \cosh[2x]+4 c \cosh[2x]+a \cosh[4x]+b \cosh[4x]+b \cosh[4x]+c \cosh[4x]} \right) \right]
                                                        2\sqrt{c}\sqrt{(2b^2-8ac+a(3a-b+3c-4aCosh[2x]+4cCosh[2x]+aCosh[4x]+bCosh[4x]+cCosh[4x])}
                                                                                                           b (3 a - b + 3 c - 4 a \cosh[2x] + 4 c \cosh[2x] + a \cosh[4x] + b \cosh[4x] + c \cosh[4x])
                                                                                                          c (3 a - b + 3 c - 4 a Cosh[2 x] + 4 c Cosh[2 x] + a Cosh[4 x] + b Cosh[4 x] + c Cosh[4 x]))
                     \frac{1}{\sqrt{\texttt{a} + \texttt{b} + \texttt{c}}} \; \texttt{Log} \Big[ \; 2 \; \Big( \texttt{a} \; \sqrt{\; 3 \; \texttt{a} - \texttt{b} + 3 \; \texttt{c} - 4 \; \texttt{a} \; \texttt{Cosh}[\; 2 \; \texttt{x}\;] \; + 4 \; \texttt{c} \; \texttt{Cosh}[\; 2 \; \texttt{x}\;] \; + \texttt{a} \; \texttt{Cosh}[\; 4 \; \texttt{x}\;] \; + \texttt{b} \; \texttt{Cosh}[\; 4 \; \texttt{x}\;] \; + \texttt{c} \; \texttt{cosh}[\; 4 \; \texttt{x}\;]
                                                                        b\sqrt{3}a - b + 3c - 4a Cosh[2x] + 4c Cosh[2x] + a Cosh[4x] + b Cosh[4x] + c Cosh[4x] + c Cosh[4x]
                                                                           c\sqrt{3}a-b+3c-4a Cosh[2x]+4c Cosh[2x]+a Cosh[4x]+b Cosh[4x]+c Cosh[4x]+\sqrt{a+b+c}
                                                                                     \sqrt{(2b^2 - 8ac + a(3a - b + 3c - 4aCosh[2x] + 4cCosh[2x] + aCosh[4x] + bCosh[4x] + cCosh[4x])}
                                                                                                                     \texttt{b} \; (3 \; \texttt{a} \; - \; \texttt{b} \; + \; 3 \; \texttt{c} \; - \; 4 \; \texttt{a} \; \texttt{Cosh}[\; 2 \; \texttt{x}] \; + \; 4 \; \texttt{c} \; \texttt{Cosh}[\; 2 \; \texttt{x}] \; + \; \texttt{a} \; \texttt{Cosh}[\; 4 \; \texttt{x}] \; + \; \texttt{b} \; \texttt{Cosh}[\; 4 \; \texttt{x}] \; + \; \texttt{c} \; \texttt{Cosh}[\; 4 \; \texttt{x}] \; ) \; + \; \texttt{cosh}[\; 4 \; \texttt{x}] \; +
                                                                                                                    c (3 a - b + 3 c - 4 a Cosh[2 x] + 4 c Cosh[2 x] + a Cosh[4 x] + b Cosh[4 x] + c Cosh[4 x]))
    (-4 \text{ a Sinh}[2x] + 4 \text{ c Sinh}[2x] + 2 \text{ a Sinh}[4x] + 2 \text{ b Sinh}[4x] + 2 \text{ c Sinh}[4x])
                                                                                                                                                                      2 b Cosh[2x] Csch[x]^2
                     \sqrt{3 a - b + 3 c - 4 (a - c) \cosh[2 x] + (a + b + c) \cosh[4 x]}
                                                                                                                                                                        2 c Cosh[2x] Csch[x]^2
                           \sqrt{3 a - b + 3 c - 4 (a - c) Cosh[2x] + (a + b + c) Cosh[4x]}
                                                                                                                                                                   2 \operatorname{c} \operatorname{Cosh}[2x]^2 \operatorname{Csch}[x]^2
                           \sqrt{3 a - b + 3 c - 4 (a - c) Cosh[2x] + (a + b + c) Cosh[4x]}
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2 b Coth[x] Csch[x]^2 Sinh[2x]
                                       \sqrt{3 a - b + 3 c - 4 (a - c) Cosh[2x] + (a + b + c) Cosh[4x]}
                                                                                                                                                  2 c Coth[x] Csch[x]^2 Sinh[2x]
                                       \sqrt{3 a - b + 3 c - 4 (a - c) \cosh[2 x] + (a + b + c) \cosh[4 x]}
                                                                                                       2 c Cosh[2x] Coth[x] Csch[x]^2 Sinh[2x]
                                       \sqrt{3 a - b + 3 c - 4 (a - c) \cosh[2 x] + (a + b + c) \cosh[4 x]}
                                                                                                                                                                                  2 c Csch[x]^2 Sinh[2x]^2
                                       \sqrt{3 a - b + 3 c - 4 (a - c) \cosh[2 x] + (a + b + c) \cosh[4 x]}
                                    b \operatorname{Csch}[x]^2 \operatorname{Sinh}[2x] (-8 (a-c) \operatorname{Sinh}[2x] + 4 (a+b+c) \operatorname{Sinh}[4x])
                                                                   2\ (3\ a-b+3\ c-4\ (a-c)\ Cosh[\,2\,x\,]\ +\ (a+b+c)\ Cosh[\,4\,x\,]\ )^{\,3/2}
                                    c \, Csch[x]^2 \, Sinh[2x] \, (-8 \, (a-c) \, Sinh[2x] + 4 \, (a+b+c) \, Sinh[4x])
                                                                   2(3a-b+3c-4(a-c) Cosh[2x] + (a+b+c) Cosh[4x])^{3/2}
                                    c \, Cosh[2 \, x] \, Csch[x]^2 \, Sinh[2 \, x] \, (-8 \, (a - c) \, Sinh[2 \, x] + 4 \, (a + b + c) \, Sinh[4 \, x])
                                                                                                            2(3a-b+3c-4(a-c) Cosh[2x] + (a+b+c) Cosh[4x])^{3/2}
16 \; (b-c-c \; Cosh[2 \; x]) \; \sqrt{3} \; a-b+3 \; c-4 \; a \; Cosh[2 \; x] \; + \; 4 \; c \; Cosh[2 \; x] \; + \; a \; Cosh[4 \; x] \; + \; b \; Cosh[4 \; x] \; + \; c \; Cosh[4 \; x] \; + \; b \; Cosh[4
             \sqrt{(2b^2 - 8 \text{ a c} + \text{a } (3 \text{ a} - b + 3 \text{ c} - 4 \text{ a } \cosh[2 x] + 4 \text{ c } \cosh[2 x] + \text{a } \cosh[4 x] + b \cosh[4 x] + c \cosh[4 x])}
                                          b (3a - b + 3c - 4a Cosh[2x] + 4c Cosh[2x] + a Cosh[4x] + b Cosh[4x] + c Cosh[4x]) +
                                             c(3a-b+3c-4aCosh[2x]+4cCosh[2x]+aCosh[4x]+bCosh[4x]+cCosh[4x])
            \sqrt{\left(\frac{1}{a+b+c}\left(4\,a+2\,b+\sqrt{2}\,\,\sqrt{\left(2\,b^2-8\,a\,c+a\,\left(3\,a-b+3\,c-4\,a\,Cosh[2\,x]+4\,c\,Cosh[2\,x]+a\,Cosh[4\,x]+b\,Cosh[4\,x]\right.\right)}\right.}
                                                                                                                                             \texttt{c} \, \, \texttt{Cosh} \, [\, 4 \, \, \texttt{x} \,] \, ) \, \, + \, \texttt{b} \, \, (\, 3 \, \, \texttt{a} \, - \, \texttt{b} \, + \, \, 3 \, \, \texttt{c} \, - \, 4 \, \, \texttt{a} \, \, \texttt{Cosh} \, [\, 2 \, \, \texttt{x} \,] \, \, + \, 4 \, \, \texttt{c} \, \, \texttt{Cosh} \, [\, 2 \, \, \texttt{x} \,] \, \, + \, \texttt{a} \, \, \, \texttt{Cosh} \, [\, 4 \, \, \texttt{x} \,] \, \, + \, \texttt{b} \, \, \, \texttt{Cosh} \, [\, 4 \, \, \texttt{x} \,] \, \, + \, \texttt{c} \, \, \, \, \texttt{Cosh} \, [\, 4 \, \, \texttt{x} \,] \, \, ) \, \, + \, \texttt{c} \, \, \, \, \, \texttt{cosh} \, [\, 4 \, \, \texttt{x} \,] \, \, + \, \texttt{c} \, \, \, \, \, \, \, \texttt{cosh} \, [\, 4 \, \, \texttt{x} \,] \, \, + \, \texttt{cosh} \, [\, 4 \, \, \texttt{x} \,] \, \, + \, \texttt{cosh} \, [\, 4 \, \, \texttt{x} \,] \, \, + \, \texttt{cosh} \, [\, 4 \, \, \texttt{x} \,] \, \, + \, \texttt{cosh} \, [\, 4 \, \, \texttt{x} \,] \, \, + \, \texttt{cosh} \, [\, 4 \, \, \texttt{x} \,] \, \, + \, \texttt{cosh} \, [\, 4 \, \, \texttt{x} \,] \, \, + \, \texttt{cosh} \, [\, 4 \, \, \texttt{x} \,] \, \, + \, \texttt{cosh} \, [\, 4 \, \, \texttt{x} \,] \, \, + \, \texttt{cosh} \, [\, 4 \, \, \texttt{x} \,] \, \, + \, \texttt{cosh} \, [\, 4 \, \, \texttt{x} \,] \, \, + \, \texttt{cosh} \, [\, 4 \, \, \texttt{x} \,] \, \, + \, \texttt{cosh} \, [\, 4 \, \, \texttt{x} \,] \, \, + \, \texttt{cosh} \, [\, 4 \, \, \texttt{x} \,] \, \, + \, \texttt{cosh} \, [\, 4 \, \, \texttt{x} \,] \, \, + \, \texttt{cosh} \, [\, 4 \, \, \texttt{x} \,] \, \, + \, \texttt{cosh} \, [\, 4 \, \, \texttt{x} \,] \, \, + \, \texttt{cosh} \, [\, 4 \, \, \texttt{x} \,] \, \, + \, \texttt{cosh} \, [\, 4 \, \, \texttt{x} \,] \, \, + \, \texttt{cosh} \, [\, 4 \, \, \texttt{x} \,] \, \, + \, \texttt{cosh} \, [\, 4 \, \, \texttt{x} \,] \, \, + \, \texttt{cosh} \, [\, 4 \, \, \texttt{x} \,] \, \, + \, \texttt{cosh} \, [\, 4 \, \, \texttt{x} \,] \, \, + \, \texttt{cosh} \, [\, 4 \, \, \texttt{x} \,] \, \, + \, \texttt{cosh} \, [\, 4 \, \, \texttt{x} \,] \, \, + \, \texttt{cosh} \, [\, 4 \, \, \texttt{x} \,] \, \, + \, \texttt{cosh} \, [\, 4 \, \, \texttt{x} \,] \, \, + \, \texttt{cosh} \, [\, 4 \, \, \texttt{x} \,] \, \, + \, \texttt{cosh} \, [\, 4 \, \, \texttt{x} \,] \, \, + \, \texttt{cosh} \, [\, 4 \, \, \texttt{x} \,] \, \, + \, \texttt{cosh} \, [\, 4 \, \, \texttt{x} \,] \, \, + \, \texttt{cosh} \, [\, 4 \, \, \texttt{x} \,] \, \, + \, \texttt{cosh} \, [\, 4 \, \, \texttt{x} \,] \, \, + \, \texttt{cosh} \, [\, 4 \, \, \texttt{x} \,] \, \, + \, \texttt{cosh} \, [\, 4 \, \, \, \texttt{x} \,] \, \, + \, \texttt{cosh} \, [\, 4 \, \, \, \texttt{x} \,] \, \, + \, \texttt{cosh} \, [\, 4 \, \, \, \, \texttt{cosh} \, [\, 4 \, \, \, \, \, \, \, \, ] \, \, + \, \, \texttt{cosh} \, [\, 4 \, \, \, \, \, \, \, \, ] \, \, + \, \, \texttt{cosh} \, [\, 4 \, \, \, \, \, \, \, ] \, \, + \, \, \texttt{cosh} \, [\, 4 \, \, \, \, \, \, \, \, ] \, \, + \, \, \texttt{cosh} \, [\, 4 \, \, \, \, \, \, \, \, ] \, \, + \, \, \texttt{cosh} \, [\, 4 \, \, \, \, \, \, \, ] \, \, + \, \, \texttt{cosh} \, [\, 4 \, \, \, \, \, \, ] \, \, + \, \, \texttt{cosh} \, [\, 4 \, \, \, \, \, \, ] \, \, + \, \, \texttt{
                                                                                                            c(3a-b+3c-4aCosh[2x]+4cCosh[2x]+aCosh[4x]+bCosh[4x]+cCosh[4x]))
                2a-2c+\sqrt{2}\sqrt{2b^2-8ac+a(3a-b+3c-4a\cosh[2x]+4c\cosh[2x]+a\cosh[4x]+b\cosh[4x]+b\cosh[4x]+c\cosh[4x])}
                                                                           b \; (3\; a - b + 3\; c - 4\; a\; Cosh[2\; x] \; + \; 4\; c\; Cosh[2\; x] \; + \; a\; Cosh[4\; x] \; + \; b\; Cosh[4\; x] \; + \; c\; Cosh[4\; x] \; ) \; + \; c\; Cosh[4\; x] \; + \; c\; Cosh[4\; x] \; ) \; + \; c\; Cosh[4\; x] \; + \; c\; Cosh[4\; x] \; ) \; + \; c\; Cosh[4\; x] \; + \; c\;
                                                                          c (3 a - b + 3 c - 4 a Cosh[2 x] + 4 c Cosh[2 x] + a Cosh[4 x] + b Cosh[4 x] + c Cosh[4 x]))
             \sqrt{\left[-1 + \frac{1}{2 (a + b + c)} \left(2 a - 2 c + \sqrt{2} \sqrt{\left(2 b^2 - 8 a c + a (3 a - b + 3 c - 4 a Cosh[2 x] + 4 c Cosh[2 x] + a Cosh[4 x] + a Cosh[
                                                                                                                                                        b \, Cosh[\, 4 \, x] \, + c \, Cosh[\, 4 \, x] \, ) \, + b \, (\, 3 \, a - b + 3 \, c - 4 \, a \, Cosh[\, 2 \, x] \, + 4 \, c \, Cosh[\, 2 \, x] \, + a \, Cosh[\, 4 \, x] \, + b \,
                                                                                                                                                        \sqrt{\left(1 + \frac{1}{2(a+b+c)} \left(2a-2c+\sqrt{2}\sqrt{(2b^2-8ac+a(3a-b+3c-4aCosh[2x]+4cCosh[2x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh
                                                                                                                                                          b \cosh[4x] + c \cosh[4x] + b (3a - b + 3c - 4a \cosh[2x] + 4c \cosh[2x] + a \cosh[4x] + b \cosh[4
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\texttt{cCosh[4\,x])} + \texttt{c} \; (3\,\texttt{a} - \texttt{b} + 3\,\texttt{c} - 4\,\texttt{aCosh[2\,x]} + 4\,\texttt{cCosh[2\,x]} + \text{aCosh[4\,x]} + \text{bCosh[4\,x]} + \text{bCosh[4\,x]}) \\ )
             \sqrt{(3 a - b + 3 c - 4 (a - c) Cosh[2 x] + (a + b + c) Cosh[4 x]) Csch[x]^{4}} + (b - c) (1 + Cosh[2 x])
              (3 a - b + 3 c - 4 (a - c) Cosh[2x] + (a + b + c) Cosh[4x])
             Csch[x]
                \left[ \text{Log} \left[ \sqrt{c} \text{ Tanh} \left[ \mathbf{x} \right]^2 \right] - \text{Log} \left[ 2 c + b \text{ Tanh} \left[ \mathbf{x} \right]^2 + 2 \sqrt{c} \sqrt{c + \text{Tanh} \left[ \mathbf{x} \right]^2 \left( b + a \text{ Tanh} \left[ \mathbf{x} \right]^2 \right)} \right] \right]
              Sech[x]
                                                                                                                       b \operatorname{Csch}[x]^2 \operatorname{Sinh}[2x]
                           \sqrt{3 a} - b + 3 c - 4 (a - c) Cosh[2x] + (a + b + c) Cosh[4x]
                                                                                                                           c Csch[x]^2 Sinh[2x]
                             \sqrt{3 a - b + 3 c - 4 (a - c) Cosh[2x] + (a + b + c) Cosh[4x]}
                                                                                                c Cosh[2x] Csch[x]^2 Sinh[2x]
                              \sqrt{3 a - b + 3 c - 4 (a - c) \cosh[2 x] + (a + b + c) \cosh[4 x]}
                            4 (3 a - b + 3 c + (-4 a + 4 c) Cosh[2 x] + (a + b + c) Cosh[4 x]) Sinh[2 x]
                                                                                                                                                                            (1 + Cosh[2x])^3
                           \frac{2\;\left(\,-4\;a+4\;c\,\right)\;Sinh\left[\,2\;x\,\right]\;+\;4\;\left(\,a+b+c\,\right)\;Sinh\left[\,4\;x\,\right]}{\left(\,1+Cosh\left[\,2\;x\,\right]\,\right)^{\,2}}
    16\,\sqrt{2}\,\,\sqrt{c}\,\,\left(\text{b-c-cCosh[2\,x]}\right)\,\sqrt{3\,\text{a-b+3c+(-4\,a+4c)}\,\,\text{Cosh[2\,x]+(a+b+c)}\,\,\text{Cosh[4\,x]}}
                            3 a - b + 3 c + (-4 a + 4 c) Cosh[2 x] + (a + b + c) Cosh[4 x]
                                                                                                                                       (1 + Cosh[2x])^2
              \sqrt{(3 a - b + 3 c - 4 (a - c) Cosh[2 x] + (a + b + c) Cosh[4 x]) Csch[x]}
c \, Cosh[2 \, x] \, (3 \, a - b + 3 \, c - 4 \, (a - c) \, Cosh[2 \, x] + (a + b + c) \, Cosh[4 \, x])
               \left[2\,a\,\sqrt{\,3\,a-b+3\,c-4\,a\,Cosh\,[\,2\,x\,]\,+4\,c\,Cosh\,[\,2\,x\,]\,+a\,Cosh\,[\,4\,x\,]\,+b\,Cosh\,[\,4\,x\,]\,+c\,Cosh\,[\,4\,x\,]\,+c\,Cosh\,[\,4\,x\,]\,+c\,Cosh\,[\,4\,x\,]\,+c\,Cosh\,[\,4\,x\,]\,+c\,Cosh\,[\,4\,x\,]\,+c\,Cosh\,[\,4\,x\,]\,+c\,Cosh\,[\,4\,x\,]\,+c\,Cosh\,[\,4\,x\,]\,+c\,Cosh\,[\,4\,x\,]\,+c\,Cosh\,[\,4\,x\,]\,+c\,Cosh\,[\,4\,x\,]\,+c\,Cosh\,[\,4\,x\,]\,+c\,Cosh\,[\,4\,x\,]\,+c\,Cosh\,[\,4\,x\,]\,+c\,Cosh\,[\,4\,x\,]\,+c\,Cosh\,[\,4\,x\,]\,+c\,Cosh\,[\,4\,x\,]\,+c\,Cosh\,[\,4\,x\,]\,+c\,Cosh\,[\,4\,x\,]\,+c\,Cosh\,[\,4\,x\,]\,+c\,Cosh\,[\,4\,x\,]\,+c\,Cosh\,[\,4\,x\,]\,+c\,Cosh\,[\,4\,x\,]\,+c\,Cosh\,[\,4\,x\,]\,+c\,Cosh\,[\,4\,x\,]\,+c\,Cosh\,[\,4\,x\,]\,+c\,Cosh\,[\,4\,x\,]\,+c\,Cosh\,[\,4\,x\,]\,+c\,Cosh\,[\,4\,x\,]\,+c\,Cosh\,[\,4\,x\,]\,+c\,Cosh\,[\,4\,x\,]\,+c\,Cosh\,[\,4\,x\,]\,+c\,Cosh\,[\,4\,x\,]\,+c\,Cosh\,[\,4\,x\,]\,+c\,Cosh\,[\,4\,x\,]\,+c\,Cosh\,[\,4\,x\,]\,+c\,Cosh\,[\,4\,x\,]\,+c\,Cosh\,[\,4\,x\,]\,+c\,Cosh\,[\,4\,x\,]\,+c\,Cosh\,[\,4\,x\,]\,+c\,Cosh\,[\,4\,x\,]\,+c\,Cosh\,[\,4\,x\,]\,+c\,Cosh\,[\,4\,x\,]\,+c\,Cosh\,[\,4\,x\,]\,+c\,Cosh\,[\,4\,x\,]\,+c\,Cosh\,[\,4\,x\,]\,+c\,Cosh\,[\,4\,x\,]\,+c\,Cosh\,[\,4\,x\,]\,+c\,Cosh\,[\,4\,x\,]\,+c\,Cosh\,[\,4\,x\,]\,+c\,Cosh\,[\,4\,x\,]\,+c\,Cosh\,[\,4\,x\,]\,+c\,Cosh\,[\,4\,x\,]\,+c\,Cosh\,[\,4\,x\,]\,+c\,Cosh\,[\,4\,x\,]\,+c\,Cosh\,[\,4\,x\,]\,+c\,Cosh\,[\,4\,x\,]\,+c\,Cosh\,[\,4\,x\,]\,+c\,Cosh\,[\,4\,x\,]\,+c\,Cosh\,[\,4\,x\,]\,+c\,Cosh\,[\,4\,x\,]\,+c\,Cosh\,[\,4\,x\,]\,+c\,Cosh\,[\,4\,x\,]\,+c\,Cosh\,[\,4\,x\,]\,+c\,Cosh\,[\,4\,x\,]\,+c\,Cosh\,[\,4\,x\,]\,+c\,Cosh\,[\,4\,x\,]\,+c\,Cosh\,[\,4\,x\,]\,+c\,Cosh\,[\,4\,x\,]\,+c\,Cosh\,[\,4\,x\,]\,+c\,Cosh\,[\,4\,x\,]\,+c\,Cosh\,[\,4\,x\,]\,+c\,Cosh\,[\,4\,x\,]\,+c\,Cosh\,[\,4\,x\,]\,+c\,Cosh\,[\,4\,x\,]\,+c\,Cosh\,[\,4\,x\,]\,+c\,Cosh\,[\,4\,x\,]\,+c\,Cosh\,[\,4\,x\,]\,+c\,Cosh\,[\,4\,x\,]\,+c\,Cosh\,[\,4\,x\,]\,+c\,Cosh\,[\,4\,x\,]\,+c\,Cosh\,[\,4\,x\,]\,+c\,Cosh\,[\,4\,x\,]\,+c\,Cosh\,[\,4\,x\,]\,+c\,Cosh\,[\,4\,x\,]\,+c\,Cosh\,[\,4\,x\,]\,+c\,Cosh\,[\,4\,x\,]\,+c\,Cosh\,[\,4\,x\,]\,+c\,Cosh\,[\,4\,x\,]\,+c\,Cosh\,[\,4\,x\,]\,+c\,Cosh\,[\,4\,x\,]\,+c\,Cosh\,[\,4\,x\,]\,+c\,Cosh\,[\,4\,x\,]\,+c\,Cosh\,[\,4\,x\,]\,+c\,Cosh\,[\,4\,x\,]\,+c\,Cosh\,[\,4\,x\,]\,+c\,Cosh\,[\,4\,x\,]\,+c\,Cosh\,[\,4\,x\,]\,+c\,Cosh\,[\,4\,x\,]\,+c\,Cosh\,[\,4\,x\,]\,+c\,Cosh\,[\,4\,x\,]\,+c\,Cosh\,[\,4\,x\,]\,+c\,Cosh\,[\,4\,x\,]\,+c\,Cosh\,[\,4\,x\,]\,+c\,Cosh\,[\,4\,x\,]\,+c\,Cosh\,[\,4\,x\,]\,+c\,Cosh\,[\,4\,x\,]\,+c\,Cosh\,[\,4\,x\,]\,+c\,Cosh\,[\,4\,x\,]\,+c\,Cosh\,[\,4\,x\,]\,+c\,Cosh\,[\,4\,x\,]\,+c\,Cosh\,[\,4\,x\,]\,+c\,Cosh\,[\,4\,x\,]\,+c\,Cosh\,[\,4\,x\,]\,+c\,Cosh\,[\,4\,x\,]\,+c\,Cosh\,[\,4\,x\,]\,+c\,Cosh\,[\,4\,x\,]\,+c\,Cosh\,[\,4\,x\,]\,+c\,Cosh\,[\,4\,x\,]\,+c\,Cosh\,[\,4\,x\,]\,+c\,Cosh\,[\,4\,x\,]\,+c\,Cosh\,[\,4\,x\,]\,+c\,Cos
                          2 b \sqrt{3} a - b + 3 c - 4 a Cosh[2 x] + 4 c Cosh[2 x] + a Cosh[4 x] + b Cosh[4 x] + c Cosh[4 x] + c Cosh[4 x]
                          2 c \sqrt{3 a - b + 3 c - 4 a Cosh[2 x] + 4 c Cosh[2 x] + a Cosh[4 x] + b Cosh[4 x] + c Cosh[4 x]}
              \sqrt{\left(\frac{1}{2+b+2}\left(-2\,b-4\,c+\sqrt{2}\,\sqrt{\left(2\,b^2-8\,a\,c+a\,\left(3\,a-b+3\,c-4\,a\,Cosh[\,2\,x]\right.\right)+4\,c\,Cosh[\,2\,x]\right.\right.}+a\,Cosh[\,4\,x]}
                                                                                             \texttt{c} \; \texttt{Cosh[4\,x])} \; + \; \texttt{b} \; (3 \; \texttt{a} \; - \; \texttt{b} \; + \; 3 \; \texttt{c} \; - \; 4 \; \texttt{a} \; \texttt{Cosh[2\,x]} \; + \; 4 \; \texttt{c} \; \texttt{Cosh[2\,x]} \; + \; \texttt{a} \; \texttt{Cosh[4\,x]} \; + \; \texttt{b} \; \texttt{Cosh[4\,x]} \; + \; \texttt{c} \; \texttt{Cosh[4\,x]}) \; + \; \texttt{c} \; \texttt{cosh[4\,x]} \; + \; \texttt
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c (3 a - b + 3 c - 4 a Cosh[2 x] + 4 c Cosh[2 x] + a Cosh[4 x] + b Cosh[4 x] + c Cosh[4 x])) | Csch[x]^2
                                                                                                                                                                      b \operatorname{Csch}[x]^2 \operatorname{Sinh}[2x]
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       c \operatorname{Csch}[x]^2 \operatorname{Sinh}[2x]
                 \sqrt{3 a - b + 3 c - 4 (a - c) \cosh[2 x] + (a + b + c) \cosh[4 x]}
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 \sqrt{3 a - b + 3 c - 4 (a - c) \cosh[2 x] + (a + b + c) \cosh[4 x]}
                                                                                                                             c Cosh[2x] Csch[x]^2 Sinh[2x]
                      \sqrt{3 a - b + 3 c - 4 (a - c) Cosh[2 x] + (a + b + c) Cosh[4 x]}
(-4 \text{ a Sinh}[2 \text{ x}] + 4 \text{ c Sinh}[2 \text{ x}] + 2 \text{ a Sinh}[4 \text{ x}] + 2 \text{ b Sinh}[4 \text{ x}] + 2 \text{ c Sinh}[4 \text{ x}])
        -(-8 \text{ a Sinh}[2 \text{ x}] + 8 \text{ c Sinh}[2 \text{ x}] + 4 \text{ a Sinh}[4 \text{ x}] + 4 \text{ b Sinh}[4 \text{ x}] + 4 \text{ c Sinh}[4 \text{ x}])
                                              \left(1-\frac{3 \text{ a} - \text{b} + 3 \text{ c} - 4 \text{ a} \text{ Cosh}[2 \text{ x}] + 4 \text{ c} \text{ Cosh}[2 \text{ x}] + \text{a} \text{ Cosh}[4 \text{ x}] + \text{b} \text{ Cosh}[4 \text{ x}] + \text{c} \text{ Cosh}[4 \text{ x}]}{8 \text{ c}}\right)
                      ((b+2c)(-8 \text{ a Sinh}[2x] + 8 \text{ c Sinh}[2x] + 4 \text{ a Sinh}[4x] + 4 \text{ b Sinh}[4x] + 4 \text{ c Sinh}[4x]))
                                                           \left[4\,\sqrt{c}\,\sqrt{3\,a} - b + 3\,c - 4\,a\,Cosh[2\,x] + 4\,c\,Cosh[2\,x] + a\,Cosh[4\,x] + b\,Cosh[4\,x] + c\,Cosh[4\,x]\right]
                                                                                \sqrt{(2b^2 - 8ac + a(3a - b + 3c - 4aCosh[2x] + 4cCosh[2x] + aCosh[4x] + bCosh[4x] + cCosh[4x])} + aCosh[4x] + bCosh[4x] + bCos
                                                                                                               \texttt{b} \; (3 \; \texttt{a} \; - \; \texttt{b} \; + \; 3 \; \texttt{c} \; - \; 4 \; \texttt{a} \; \texttt{Cosh} [\; 2 \; \texttt{x}\;] \; + \; 4 \; \texttt{c} \; \texttt{Cosh} [\; 2 \; \texttt{x}\;] \; + \; \texttt{a} \; \texttt{Cosh} [\; 4 \; \texttt{x}\;] \; + \; \texttt{b} \; \texttt{Cosh} [\; 4 \; \texttt{x}\;] \; + \; \texttt{c} \; \texttt{Cosh} [\; 4 \; \texttt{x}\;] \; ) \; + \; \texttt{c} \; \texttt{cosh} [\; 4 \; \texttt{x}\;] \; + \; \texttt{c} \; \texttt{cosh} [\; 4 \; \texttt{x}\;] \; ) \; + \; \texttt{c} \; \texttt{cosh} [\; 4 \; \texttt{x}\;] \; ) \; + \; \texttt{c} \; \texttt{cosh} [\; 4 \; \texttt{x}\;] \; + \; \texttt{c} \; \texttt{cosh} [\; 4 \; \texttt{x}\;] \; ) \; + \; \texttt{c} \; \texttt{cosh} [\; 4 \; \texttt{x}\;] \; ) \; + \; \texttt{c} \; \texttt{cosh} [\; 4 \; \texttt{x}\;] \; ) \; + \; \texttt{c} \; \texttt{cosh} [\; 4 \; \texttt{x}\;] \; ) \; + \; \texttt{c} \; \texttt{cosh} [\; 4 \; \texttt{x}\;] \; ) \; + \; \texttt{c} \; \texttt{cosh} [\; 4 \; \texttt{x}\;] \; ) \; + \; \texttt{c} \; \texttt{cosh} [\; 4 \; \texttt{x}\;] \; ) \; + \; \texttt{c} \; \texttt{cosh} [\; 4 \; \texttt{x}\;] \; ) \; + \; \texttt{c} \; \texttt{cosh} [\; 4 \; \texttt{x}\;] \; ) \; + \; \texttt{c} \; \texttt{cosh} [\; 4 \; \texttt{x}\;] \; ) \; + \; \texttt{c} \; \texttt{cosh} [\; 4 \; \texttt{x}\;] \; ) \; + \; \texttt{c} \; \texttt{cosh} [\; 4 \; \texttt{x}\;] \; ) \; + \; \texttt{c} \; \texttt{cosh} [\; 4 \; \texttt{x}\;] \; ) \; + \; \texttt{c} \; \texttt{cosh} [\; 4 \; \texttt{x}\;] \; ) \; + \; \texttt{c} \; \texttt{cosh} [\; 4 \; \texttt{x}\;] \; ) \; + \; \texttt{c} \; \texttt{cosh} [\; 4 \; \texttt{x}\;] \; ) \; + \; \texttt{c} \; \texttt{cosh} [\; 4 \; \texttt{x}\;] \; ) \; + \; \texttt{c} \; \texttt{cosh} [\; 4 \; \texttt{x}\;] \; ) \; + \; \texttt{c} \; \texttt{cosh} [\; 4 \; \texttt{x}\;] \; ) \; + \; \texttt{c} \; \texttt{cosh} [\; 4 \; \texttt{x}\;] \; ) \; + \; \texttt{c} \; \texttt{cosh} [\; 4 \; \texttt{x}\;] \; ) \; + \; \texttt{c} \; \texttt{cosh} [\; 4 \; \texttt{x}\;] \; ) \; + \; \texttt{c} \; \texttt{cosh} [\; 4 \; \texttt{x}\;] \; ) \; + \; \texttt{c} \; \texttt{cosh} [\; 4 \; \texttt{x}\;] \; ) \; + \; \texttt{c} \; \texttt{cosh} [\; 4 \; \texttt{x}\;] \; ) \; + \; \texttt{c} \; \texttt{cosh} [\; 4 \; \texttt{x}\;] \; ) \; + \; \texttt{c} \; \texttt{cosh} [\; 4 \; \texttt{x}\;] \; ) \; + \; \texttt{c} \; \texttt{cosh} [\; 4 \; \texttt{x}\;] \; + \; \texttt{c} \; \texttt{cosh} [\; 4 \; \texttt{x}\;] \; ) \; + \; \texttt{c} \; \texttt{cosh} [\; 4 \; \texttt{x}\;] \; + \; \texttt{c} \; \texttt{cosh} [\; 4 \; \texttt{x}\;] \; + \; \texttt{c} \; \texttt{cosh} [\; 4 \; \texttt{x}\;] \; + \; \texttt{c} \; \texttt{cosh} [\; 4 \; \texttt{x}\;] \; + \; \texttt{c} \; \texttt{cosh} [\; 4 \; \texttt{x}\;] \; + \; \texttt{c} \; \texttt{cosh} [\; 4 \; \texttt{x}\;] \; + \; \texttt{c} \; \texttt{cosh} [\; 4 \; \texttt{x}\;] \; + \; \texttt{c} \; \texttt{cosh} [\; 4 \; \texttt{x}\;] \; + \; \texttt{c} \; \texttt{cosh} [\; 4 \; \texttt{x}\;] \; + \; \texttt{c} \; \texttt{cosh} [\; 4 \; \texttt{x}\;] \; + \; \texttt{c} \; \texttt{cosh} [\; 4 \; \texttt{x}\;] \; + \; \texttt{c} \; \texttt{cosh} [\; 4 \; \texttt{x}\;] \; + \; \texttt{c} \; \texttt{cosh} [\; 4 \; \texttt{x}\;] \; + \; \texttt{c} \; \texttt{cosh} [\; 4 \; \texttt{x}\;] \; + \; \texttt{c} \; \texttt{cosh} [\; 4 \; \texttt{x}\;] \; + \; \texttt{c} \; 
                                                                                                              c(3a-b+3c-4aCosh[2x]+4cCosh[2x]+aCosh[4x]+bCosh[4x]+cCosh[4x]))
                                                    \left[ \text{ (b + 2 c) } \sqrt{\text{3 a - b + 3 c - 4 a }} \text{ Cosh[2 x] + 4 c } \text{ Cosh[2 x] + a } \text{ Cosh[4 x] + b } \text{ Cosh[4 x] + c } \text{ Cosh[4 x]} \right] + c \text{ Cosh[4 x]} + c \text{ Cosh[4 
                                                                                  (a (-8 a Sinh[2 x] + 8 c Sinh[2 x] + 4 a Sinh[4 x] + 4 b Sinh[4 x] + 4 c Sinh[4 x]) + 4 c Sinh[4 x] + 4 c Sinh[4 x]) + 4 c Sinh[4 x] + 4 c Sinh[4 x]) + 4 c Sinh[4 x] + 4 c Sinh[4 x]) + 4 c Sinh[4 x] + 4 c Sinh[4 x]) + 4 c Sinh[4 x] + 4 c Sinh[4 x]) + 4 c Sinh[4 x] + 4 c Sinh[4 x]) + 4 c Sinh[4 x] + 4 c Sinh[4 x]) + 4 c Sinh[4 x] + 4 c Sinh[4 x]) + 4 c Sinh[4 x] + 4 c Sinh[4 x]) + 4 c Sinh[4 x] + 4 c Sinh[4 x]) + 4 c Sinh[4 x] + 4 c Sinh[4 x]) + 4 c Sinh[4 x] + 4 c Sinh[4 x] + 4 c Sinh[4 x]) + 4 c Sinh[4 x] + 4 c Sinh[4 x] + 4 c Sinh[4 x]) + 4 c Sinh[4 x] + 4 c Sinh[4 x] + 4 c Sinh[4 x] + 4 c Sinh[4 x]) + 4 c Sinh[4 x] + 4 c 
                                                                                                  b \; (-8 \; a \; Sinh[2 \; x] \; + \; 8 \; c \; Sinh[2 \; x] \; + \; 4 \; a \; Sinh[4 \; x] \; + \; 4 \; b \; Sinh[4 \; x] \; + \; 4 \; c \; Sinh[4 \; x]) \; + \; 4 \; b \; Sinh[4 \; x] \; + \; 4 \; c \; Sinh[4 \; x]) \; + \; 4 \; b \; Sinh[4 \; x] \; + \; 4 \; b \; Sinh[4 \; x] \; + \; 4 \; b \; Sinh[4 \; x] \; + \; 4 \; b \; Sinh[4 \; x] \; + \; 4 \; b \; Sinh[4 \; x] \; + \; 4 \; b \; Sinh[4 \; x] \; + \; 4 \; b \; Sinh[4 \; x] \; + \; 4 \; b \; Sinh[4 \; x] \; + \; 4 \; b \; Sinh[4 \; x] \; + \; 4 \; b \; Sinh[4 \; x] \; + \; 4 \; b \; Sinh[4 \; x] \; + \; 4 \; b \; Sinh[4 \; x] \; + \; 4 \; b \; Sinh[4 \; x] \; + \; 4 \; b \; Sinh[4 \; x] \; + \; 4 \; b \; Sinh[4 \; x] \; + \; 4 \; b \; Sinh[4 \; x] \; + \; 4 \; b \; Sinh[4 \; x] \; + \; 4 \; b \; Sinh[4 \; x] \; + \; 4 \; b \; Sinh[4 \; x] \; + \; 4 \; b \; Sinh[4 \; x] \; + \; 4 \; b \; Sinh[4 \; x] \; + \; 4 \; b \; Sinh[4 \; x] \; + \; 4 \; b \; Sinh[4 \; x] \; + \; 4 \; b \; Sinh[4 \; x] \; + \; 4 \; b \; Sinh[4 \; x] \; + \; 4 \; b \; Sinh[4 \; x] \; + \; 4 \; b \; Sinh[4 \; x] \; + \; 4 \; b \; Sinh[4 \; x] \; + \; 4 \; b \; Sinh[4 \; x] \; + \; 4 \; b \; Sinh[4 \; x] \; + \; 4 \; b \; Sinh[4 \; x] \; + \; 4 \; b \; Sinh[4 \; x] \; + \; 4 \; b \; Sinh[4 \; x] \; + \; 4 \; b \; Sinh[4 \; x] \; + \; 4 \; b \; Sinh[4 \; x] \; + \; 4 \; b \; Sinh[4 \; x] \; + \; 4 \; b \; Sinh[4 \; x] \; + \; 4 \; b \; Sinh[4 \; x] \; + \; 4 \; b \; Sinh[4 \; x] \; + \; 4 \; b \; Sinh[4 \; x] \; + \; 4 \; b \; Sinh[4 \; x] \; + \; 4 \; b \; Sinh[4 \; x] \; + \; 4 \; b \; Sinh[4 \; x] \; + \; 4 \; b \; Sinh[4 \; x] \; + \; 4 \; b \; Sinh[4 \; x] \; + \; 4 \; b \; Sinh[4 \; x] \; + \; 4 \; b \; Sinh[4 \; x] \; + \; 4 \; b \; Sinh[4 \; x] \; + \; 4 \; b \; Sinh[4 \; x] \; + \; 4 \; b \; Sinh[4 \; x] \; + \; 4 \; b \; Sinh[4 \; x] \; + \; 4 \; b \; Sinh[4 \; x] \; + \; 4 \; b \; Sinh[4 \; x] \; + \; 4 \; b \; Sinh[4 \; x] \; + \; 4 \; b \; Sinh[4 \; x] \; + \; 4 \; b \; Sinh[4 \; x] \; + \; 4 \; b \; Sinh[4 \; x] \; + \; 4 \; b \; Sinh[4 \; x] \; + \; 4 \; b \; Sinh[4 \; x] \; + \; 4 \; b \; Sinh[4 \; x] \; + \; 4 \; b \; Sinh[4 \; x] \; + \; 4 \; b \; Sinh[4 \; x] \; + \; 4 \; b \; Sinh[4 \; x] \; + \; 4 \; b \; Sinh[4 \; x] \; + \; 4 \; b \; Sinh[4 \; x] \; + \; 4 \; b \; Sinh[4 \; x] \; + \; 4 \; b \; Sinh[4 \; x] \; + \; 4 \; b \; Sinh[4 \; x] \; + \; 4 \; b \; Sinh[4 \; x] \; + \; 4 \; b \; Sinh[4 \; x] \; + \; 4 \; b \; Sinh[4 \; x] \; + \; 4 \; b \; 
                                                                                                     c(-8 \text{ a Sinh}[2x] + 8 \text{ c Sinh}[2x] + 4 \text{ a Sinh}[4x] + 4 \text{ b Sinh}[4x] + 4 \text{ c Sinh}[4x]))
                                                             4\sqrt{c} 2b^2 - 8ac + a(3a - b + 3c - 4aCosh[2x] + 4cCosh[2x] + aCosh[4x] + bCosh[4x] + cCosh[4x]) + cCosh[4x]
                                                                                                              b(3a-b+3c-4aCosh[2x]+4cCosh[2x]+aCosh[4x]+bCosh[4x]+cCosh[4x])
                                                                                                               \texttt{c} \; (3 \; \texttt{a} \; - \; \texttt{b} \; + \; \texttt{3} \; \texttt{c} \; - \; \texttt{4} \; \texttt{a} \; \texttt{Cosh} [\; 2 \; \texttt{x}\; ] \; + \; \texttt{4} \; \texttt{c} \; \texttt{Cosh} [\; 2 \; \texttt{x}\; ] \; + \; \texttt{a} \; \texttt{Cosh} [\; 4 \; \texttt{x}\; ] \; + \; \texttt{b} \; \texttt{Cosh} [\; 4 \; \texttt{x}\; ] \; + \; \texttt{c} \; \texttt{Cosh} [\; 4 \; \texttt{x}\; ] \; ) \Big)^{3/2} \Big) \Big| / \\ 
                             \left(2\sqrt{c}\left(1-\left((b+2c)^{2}(3a-b+3c-4aCosh[2x]+4cCosh[2x]+aCosh[4x]+bCosh[4x]+cCosh[4x]\right)\right)\right)
                                                                                  (4 c (2 b^2 - 8 a c + a (3 a - b + 3 c - 4 a Cosh[2 x] + 4 c Cosh[2 x] + a Cosh[4 x] + b Cosh[4 x] + c Cosh[4 x]) + c Cosh[4 x]) + c Cosh[4 x] + c Cosh[4 
                                                                                                                          \texttt{b} \; (3 \; \texttt{a} \; - \; \texttt{b} \; + \; 3 \; \texttt{c} \; - \; 4 \; \texttt{a} \; \texttt{Cosh}[\; 2 \; \texttt{x}\;] \; + \; 4 \; \texttt{c} \; \texttt{Cosh}[\; 2 \; \texttt{x}\;] \; + \; \texttt{a} \; \texttt{Cosh}[\; 4 \; \texttt{x}\;] \; + \; \texttt{b} \; \texttt{Cosh}[\; 4 \; \texttt{x}\;] \; + \; \texttt{c} \; \texttt{Cosh}[\; 4 \; \texttt{x}\;] \; ) \; + \; \texttt{c} \; \texttt{cosh}[\; 4 \; \texttt{x}\;] \; + \; \texttt{c} \; \texttt{cosh}[\; 4 \; \texttt{x}\;] \; + \; \texttt{c} \; \texttt{cosh}[\; 4 \; \texttt{x}\;] \; ) \; + \; \texttt{cosh}[\; 4 \; \texttt{x}\;] \; + \; \texttt{cos
                                                                                                                         c(3a-b+3c-4aCosh[2x]+4cCosh[2x]+aCosh[4x]+bCosh[4x]+cCosh[4x]))))
                                                           a (-8 a Sinh[2x] + 8 c Sinh[2x] + 4 a Sinh[4x] + 4 b Sinh[4x] + 4 c Sinh[4x])
                            2\sqrt{3}a-b+3c-4aCosh[2x]+4cCosh[2x]+aCosh[4x]+bCosh[4x]+cCosh[4x]
                                                                                 \texttt{b} \; (-\texttt{8} \; \texttt{a} \; \texttt{Sinh} \, [\, 2 \; \texttt{x}\,] \; + \; \texttt{8} \; \texttt{c} \; \texttt{Sinh} \, [\, 2 \; \texttt{x}\,] \; + \; \texttt{4} \; \texttt{a} \; \texttt{Sinh} \, [\, 4 \; \texttt{x}\,] \; + \; \texttt{4} \; \texttt{b} \; \texttt{Sinh} \, [\, 4 \; \texttt{x}\,] \; + \; \texttt{4} \; \texttt{c} \; \texttt{Sinh} \, [\, 4 \; \texttt{x}\,] \; ) 
                                                    2\sqrt{3} a - b + 3 c - 4 a Cosh[2x] + 4 c Cosh[2x] + a Cosh[4x] + b Cosh[4x] + c Cosh[4x]
```

```
c (-8 a Sinh[2x] + 8 c Sinh[2x] + 4 a Sinh[4x] + 4 b Sinh[4x] + 4 c Sinh[4x])
                                                                                  2\,\sqrt{3\,a-b+3\,c-4\,a\,Cosh[\,2\,x\,]\,+4\,c\,Cosh[\,2\,x\,]\,+a\,Cosh[\,4\,x\,]\,+b\,Cosh[\,4\,x\,]\,+c\,Cosh[\,4\,x\,]}
                                                                                  \sqrt{a+b+c} (a (-8 a Sinh[2x] + 8 c Sinh[2x] + 4 a Sinh[4x] + 4 b Sinh[4x] + 4 c Sinh[4x]) +
                                                                                                                                               b (-8 a Sinh[2x] + 8 c Sinh[2x] + 4 a Sinh[4x] + 4 b Sinh[4x] + 4 c Sinh[4x]) +
                                                                                                                                               c(-8 \text{ a Sinh}[2x] + 8 c \text{ Sinh}[2x] + 4 a \text{ Sinh}[4x] + 4 b \text{ Sinh}[4x] + 4 c \text{ Sinh}[4x]))
                                                                                               (2\sqrt{2b^2-8} \text{ a c} + \text{ a } (3 \text{ a} - \text{ b} + 3 \text{ c} - 4 \text{ a } \text{Cosh}[2x] + 4 \text{ c } \text{Cosh}[2x] + \text{ a } \text{Cosh}[4x] + \text{ b } \text{Cosh}[4x] + \text{ c } \text{Cosh}[4x]))
                                                                                                                                                           \texttt{b} \; (3 \; \texttt{a} \; - \; \texttt{b} \; + \; 3 \; \texttt{c} \; - \; 4 \; \texttt{a} \; \texttt{Cosh}[\; 2 \; \texttt{x}] \; + \; 4 \; \texttt{c} \; \texttt{Cosh}[\; 2 \; \texttt{x}] \; + \; \texttt{a} \; \texttt{Cosh}[\; 4 \; \texttt{x}] \; + \; \texttt{b} \; \texttt{Cosh}[\; 4 \; \texttt{x}] \; + \; \texttt{c} \; \texttt{Cosh}[\; 4 \; \texttt{x}] \; ) \; + \; \texttt{c} \; \texttt{cosh}[\; 4 \; \texttt{x}] \; + \; \texttt{c} \; \texttt{cosh}[\; 4 \; \texttt{x}] \; + \; \texttt{c} \; \texttt{cosh}[\; 4 \; \texttt{x}] \; ) \; + \; \texttt{cosh}[\; 4 \; \texttt{cosh}[\; 4 \; \texttt{x}] \; + \; \texttt{cosh}[\; 4 \; \texttt{x}] \; + \; \texttt{cosh}[\; 4 \; \texttt{x}] \; + \; \texttt{cosh}[\; 4 \; \texttt{x}] \; ) \; + \; \texttt{cosh}[\; 4 \; \texttt{x}] \; ) \; + \; \texttt{cosh}[\; 4 \; \texttt{x}] \; + \; \texttt{
                                                                                                                                                           \texttt{c} \; \left( \; 3 \; \texttt{a} \; - \; \texttt{b} \; + \; 3 \; \texttt{c} \; - \; 4 \; \texttt{a} \; \texttt{Cosh}[\; 2 \; \texttt{x} \; ] \; + \; 4 \; \texttt{c} \; \texttt{Cosh}[\; 2 \; \texttt{x} \; ] \; + \; \texttt{a} \; \texttt{Cosh}[\; 4 \; \texttt{x} \; ] \; + \; \texttt{b} \; \texttt{Cosh}[\; 4 \; \texttt{x} \; ] \; + \; \texttt{c} \; \texttt{Cosh}[\; 4 \; \texttt{x} \; ] \; \right) 
                                                           \sqrt{a+b+c} \sqrt{a+b+c}
                                                                                                        b\sqrt{3}a - b + 3c - 4a \cosh[2x] + 4c \cosh[2x] + a \cosh[4x] + b \cosh[4x] + c \cosh[4x] + c \cosh[4x]
                                                                                                         c\sqrt{3}a-b+3c-4aCosh[2x]+4cCosh[2x]+aCosh[4x]+bCosh[4x]+cCosh[4x]+\sqrt{a+b+c}
                                                                                                                      \sqrt{(2b^2 - 8ac + a(3a - b + 3c - 4aCosh[2x] + 4cCosh[2x] + aCosh[4x] + bCosh[4x] + cCosh[4x])}
                                                                                                                                                           \texttt{c} \; \left( \; 3 \; \texttt{a} \; - \; \texttt{b} \; + \; 3 \; \texttt{c} \; - \; 4 \; \texttt{a} \; \texttt{Cosh} \left[ \; 2 \; \texttt{x} \; \right] \; + \; 4 \; \texttt{c} \; \texttt{Cosh} \left[ \; 2 \; \texttt{x} \; \right] \; + \; \texttt{a} \; \texttt{Cosh} \left[ \; 4 \; \texttt{x} \; \right] \; + \; \texttt{b} \; \texttt{Cosh} \left[ \; 4 \; \texttt{x} \; \right] \; + \; \texttt{c} \; \texttt{Cosh} \left[ \; 4 \; \texttt{x} \; \right] \; + \; \texttt{c} \; \texttt{Cosh} \left[ \; 4 \; \texttt{x} \; \right] \; + \; \texttt{c} \; \texttt{Cosh} \left[ \; 4 \; \texttt{x} \; \right] \; + \; \texttt{c} \; \texttt{Cosh} \left[ \; 4 \; \texttt{x} \; \right] \; + \; \texttt{c} \; \texttt{Cosh} \left[ \; 4 \; \texttt{x} \; \right] \; + \; \texttt{c} \; \texttt{Cosh} \left[ \; 4 \; \texttt{x} \; \right] \; + \; \texttt{c} \; \texttt{cosh} \left[ \; 4 \; \texttt{x} \; \right] \; + \; \texttt{c} \; \texttt{cosh} \left[ \; 4 \; \texttt{x} \; \right] \; + \; \texttt{c} \; \texttt{cosh} \left[ \; 4 \; \texttt{x} \; \right] \; + \; \texttt{c} \; \texttt{cosh} \left[ \; 4 \; \texttt{x} \; \right] \; + \; \texttt{cosh} \left[ \; 4 \; \texttt{x} \; \right] \; + \; \texttt{cosh} \left[ \; 4 \; \texttt{x} \; \right] \; + \; \texttt{cosh} \left[ \; 4 \; \texttt{x} \; \right] \; + \; \texttt{cosh} \left[ \; 4 \; \texttt{x} \; \right] \; + \; \texttt{cosh} \left[ \; 4 \; \texttt{x} \; \right] \; + \; \texttt{cosh} \left[ \; 4 \; \texttt{x} \; \right] \; + \; \texttt{cosh} \left[ \; 4 \; \texttt{x} \; \right] \; + \; \texttt{cosh} \left[ \; 4 \; \texttt{x} \; \right] \; + \; \texttt{cosh} \left[ \; 4 \; \texttt{x} \; \right] \; + \; \texttt{cosh} \left[ \; 4 \; \texttt{x} \; \right] \; + \; \texttt{cosh} \left[ \; 4 \; \texttt{x} \; \right] \; + \; \texttt{cosh} \left[ \; 4 \; \texttt{x} \; \right] \; + \; \texttt{cosh} \left[ \; 4 \; \texttt{x} \; \right] \; + \; \texttt{cosh} \left[ \; 4 \; \texttt{x} \; \right] \; + \; \texttt{cosh} \left[ \; 4 \; \texttt{x} \; \right] \; + \; \texttt{cosh} \left[ \; 4 \; \texttt{x} \; \right] \; + \; \texttt{cosh} \left[ \; 4 \; \texttt{x} \; \right] \; + \; \texttt{cosh} \left[ \; 4 \; \texttt{x} \; \right] \; + \; \texttt{cosh} \left[ \; 4 \; \texttt{x} \; \right] \; + \; \texttt{cosh} \left[ \; 4 \; \texttt{x} \; \right] \; + \; \texttt{cosh} \left[ \; 4 \; \texttt{x} \; \right] \; + \; \texttt{cosh} \left[ \; 4 \; \texttt{x} \; \right] \; + \; \texttt{cosh} \left[ \; 4 \; \texttt{x} \; \right] \; + \; \texttt{cosh} \left[ \; 4 \; \texttt{x} \; \right] \; + \; \texttt{cosh} \left[ \; 4 \; \texttt{x} \; \right] \; + \; \texttt{cosh} \left[ \; 4 \; \texttt{x} \; \right] \; + \; \texttt{cosh} \left[ \; 4 \; \texttt{x} \; \right] \; + \; \texttt{cosh} \left[ \; 4 \; \texttt{x} \; \right] \; + \; \texttt{cosh} \left[ \; 4 \; \texttt{x} \; \right] \; + \; \texttt{cosh} \left[ \; 4 \; \texttt{x} \; \right] \; + \; \texttt{cosh} \left[ \; 4 \; \texttt{x} \; \right] \; + \; \texttt{cosh} \left[ \; 4 \; \texttt{x} \; \right] \; + \; \texttt{cosh} \left[ \; 4 \; \texttt{x} \; \right] \; + \; \texttt{cosh} \left[ \; 4 \; \texttt{x} \; \right] \; + \; \texttt{cosh} \left[ \; 4 \; \texttt{x} \; \right] \; + \; \texttt{cosh} \left[ \; 4 \; \texttt{x} \; \right] \; + \; \texttt{cosh} \left[ \; 4 \; \texttt{x} \; \right] \; + \; \texttt{cosh} \left[ \; 4 \; \texttt{x} \; \right] \; + \; \texttt{cosh} \left[ \; 4 \; \texttt{x} \; \right] \; + \; \texttt{cosh} \left[ \; 4 \; \texttt{x} \; \right] \; + \; \texttt{cosh} \left[ \; 4 \; \texttt{x} \; \right] \; + \; \texttt{cosh} \left[ \; 4 \; \texttt{x} \; \right] \; + \; \texttt{cosh} \left[ \; 4 \; \texttt{x} \; \right] \; + \; \texttt{c
16 (b-c-c Cosh[2x]) \sqrt{3 a-b+3 c-4 a Cosh[2x]+4 c Cosh[2x]+a Cosh[4x]+b Cosh[4x]+c Cosh[4x]}
                 \sqrt{(2b^2 - 8ac + a(3a - b + 3c - 4aCosh[2x] + 4cCosh[2x] + aCosh[4x] + bCosh[4x] + cCosh[4x])}
                                                    b (3a - b + 3c - 4a Cosh[2x] + 4c Cosh[2x] + a Cosh[4x] + b Cosh[4x] + c Cosh[4x]) +
                                                     c(3a-b+3c-4aCosh[2x]+4cCosh[2x]+aCosh[4x]+bCosh[4x]+cCosh[4x])
              \sqrt{\left[\frac{1}{a+b+c}\left(4\,a+2\,b+\sqrt{2}\,\sqrt{\left(2\,b^2-8\,a\,c+a\,\left(3\,a-b+3\,c-4\,a\,Cosh[2\,x]+4\,c\,Cosh[2\,x]+a\,Cosh[4\,x]+b\,Cosh[4\,x]\right)\right]}\right]}
                                                                                                                                                                      c \, Cosh[\,4\,\,x]\,\,) \,\,+\,b \,\,(3\,\,a\,-\,b\,+\,3\,\,c\,-\,4\,\,a \,\,Cosh[\,2\,\,x]\,\,+\,4\,\,c \,\,Cosh[\,2\,\,x]\,\,+\,a \,\,Cosh[\,4\,\,x]\,\,+\,b \,\,Cosh[\,4\,\,x]\,\,+\,c \,\,Cosh[\,4\,\,x]\,\,) \,\,+\,b \,\,Cosh[\,4\,\,x]\,\,+\,b \,\,Cosh[\,4\,
                                                                                                                                 c (3 a - b + 3 c - 4 a Cosh[2 x] + 4 c Cosh[2 x] + a Cosh[4 x] + b Cosh[4 x] + c Cosh[4 x]))
                   \left(2\,a - 2\,c + \sqrt{2}\,\sqrt{\left(2\,b^2 - 8\,a\,c + a\,\left(3\,a - b + 3\,c - 4\,a\,Cosh[2\,x] + 4\,c\,Cosh[2\,x] + a\,Cosh[4\,x] + b\,Cosh[4\,x] + c\,Cosh[4\,x]\right) + c\,Cosh[4\,x]}\right) + \left(2\,a - 2\,c + \sqrt{2}\,\sqrt{\left(2\,b^2 - 8\,a\,c + a\,\left(3\,a - b + 3\,c - 4\,a\,Cosh[2\,x] + 4\,c\,Cosh[2\,x] + a\,Cosh[4\,x] + b\,Cosh[4\,x] + b\,Cosh[4\,x]\right)}\right) + \left(2\,a - 2\,c + \sqrt{2}\,\sqrt{\left(2\,b^2 - 8\,a\,c + a\,\left(3\,a - b + 3\,c - 4\,a\,Cosh[2\,x] + 4\,c\,Cosh[2\,x] + a\,Cosh[4\,x] + b\,Cosh[4\,x] + b\,Cosh[4\,x] + c\,Cosh[4\,x] + a\,Cosh[4\,x] + b\,Cosh[4\,x] + c\,Cosh[4\,x] + c\,Cosh[4\,x] + a\,Cosh[4\,x] + c\,Cosh[4\,x] + a\,Cosh[4\,x] + a\,Cosh[4\,x]
                                                                                          \texttt{b} \; ( \; \texttt{3} \; \texttt{a} - \texttt{b} + \texttt{3} \; \texttt{c} - \texttt{4} \; \texttt{a} \; \texttt{Cosh} [ \; \texttt{2} \; \texttt{x} ] \; + \texttt{4} \; \texttt{c} \; \texttt{Cosh} [ \; \texttt{2} \; \texttt{x} ] \; + \texttt{a} \; \texttt{Cosh} [ \; \texttt{4} \; \texttt{x} ] \; + \texttt{b} \; \texttt{Cosh} [ \; \texttt{4} \; \texttt{x} ] \; + \texttt{c} \; \texttt{Cosh} [ \; \texttt{4} \; \texttt{x} ] \; ) \; + \texttt{c} \; \texttt{cosh} [ \; \texttt{4} \; \texttt{x} ] \; + \texttt{cosh} [ \; \texttt{4} \; \texttt{x} ] \; + \texttt{cosh} [ \; \texttt{4} \; \texttt{x} ] \; ) \; + \texttt{cosh} [ \; \texttt{4} \; \texttt{x} ] \; + \texttt{cosh} [ \; \texttt{4} \; \texttt{x} ] \; + \texttt{cosh} [ \; \texttt{4} \; \texttt{x} ] \; + \texttt{cosh} [ \; \texttt{4} \; \texttt{x} ] \; ) \; + \texttt{cosh} [ \; \texttt{4} \; \texttt{x} ] \; + \texttt{cosh} [ \; \texttt{4} \; \texttt{x} ] \; + \texttt{cosh} [ \; \texttt{4} \; \texttt{x} ] \; + \texttt{cosh} [ \; \texttt{4} \; \texttt{x} ] \; ) \; + \texttt{cosh} [ \; \texttt{4} \; \texttt{x} ] \; + \texttt{cosh} [ \; \texttt{4} \; \texttt{x} ] \; + \texttt{cosh} [ \; \texttt{4} \; \texttt{x} ] \; + \texttt{cosh} [ \; \texttt{4} \; \texttt{x} ] \; + \texttt{cosh} [ \; \texttt{4} \; \texttt{x} ] \; + \texttt{cosh} [ \; \texttt{4} \; \texttt{x} ] \; + \texttt{cosh} [ \; \texttt{4} \; \texttt{x} ] \; + \texttt{cosh} [ \; \texttt{4} \; \texttt{x} ] \; + \texttt{cosh} [ \; \texttt{4} \; \texttt{x} ] \; + \texttt{cosh} [ \; \texttt{4} \; \texttt{x} ] \; + \texttt{cosh} [ \; \texttt{4} \; \texttt{x} ] \; + \texttt{cosh} [ \; \texttt{4} \; \texttt{x} ] \; + \texttt{cosh} [ \; \texttt{4} \; \texttt{x} ] \; + \texttt{cosh} [ \; \texttt{4} \; \texttt{x} ] \; + \texttt{cosh} [ \; \texttt{4} \; \texttt{x} ] \; + \texttt{cosh} [ \; \texttt{4} \; \texttt{x} ] \; + \texttt{cosh} [ \; \texttt{4} \; \texttt{x} ] \; + \texttt{cosh} [ \; \texttt{4} \; \texttt{x} ] \; + \texttt{cosh} [ \; \texttt{4} \; \texttt{x} ] \; + \texttt{cosh} [ \; \texttt{4} \; \texttt{x} ] \; + \texttt{cosh} [ \; \texttt{4} \; \texttt{x} ] \; + \texttt{cosh} [ \; \texttt{4} \; \texttt{x} ] \; + \texttt{cosh} [ \; \texttt{4} \; \texttt{x} ] \; + \texttt{cosh} [ \; \texttt{4} \; \texttt{x} ] \; + \texttt{cosh} [ \; \texttt{4} \; \texttt{x} ] \; + \texttt{cosh} [ \; \texttt{4} \; \texttt{x} ] \; + \texttt{cosh} [ \; \texttt{4} \; \texttt{x} ] \; + \texttt{cosh} [ \; \texttt{4} \; \texttt{x} ] \; + \texttt{cosh} [ \; \texttt{4} \; \texttt{x} ] \; + \texttt{cosh} [ \; \texttt{4} \; \texttt{x} ] \; + \texttt{cosh} [ \; \texttt{4} \; \texttt{x} ] \; + \texttt{cosh} [ \; \texttt{4} \; \texttt{x} ] \; + \texttt{cosh} [ \; \texttt{4} \; \texttt{x} ] \; + \texttt{cosh} [ \; \texttt{4} \; \texttt{x} ] \; + \texttt{cosh} [ \; \texttt{4} \; \texttt{x} ] \; + \texttt{cosh} [ \; \texttt{4} \; \texttt{x} ] \; + \texttt{cosh} [ \; \texttt{4} \; \texttt{x} ] \; + \texttt{cosh} [ \; \texttt{4} \; \texttt{x} ] \; + \texttt{cosh} [ \; \texttt{4} \; \texttt{x} ] \; + \texttt{cosh} [ \; \texttt{4} \; \texttt{4} \; \texttt{cosh} [ \; \texttt{4
                                                                                           c(3a-b+3c-4aCosh[2x]+4cCosh[2x]+aCosh[4x]+bCosh[4x]+cCosh[4x]))
                \sqrt{\left[-1 + \frac{1}{2(a+b+c)} \left(2a-2c+\sqrt{2}\sqrt{2b^2-8ac+a(3a-b+3c-4a\cosh[2x]+4c\cosh[2x]+a\cosh[4x]+a\cosh[4x]+a\cosh[4x]+a\cosh[4x]+a\cosh[4x]+a\cosh[4x]+a\cosh[4x]+a\cosh[4x]+a\cosh[4x]+a\cosh[4x]+a\cosh[4x]+a\cosh[4x]+a\cosh[4x]+a\cosh[4x]+a\cosh[4x]+a\cosh[4x]+a\cosh[4x]+a\cosh[4x]+a\cosh[4x]+a\cosh[4x]+a\cosh[4x]+a\cosh[4x]+a\cosh[4x]+a\cosh[4x]+a\cosh[4x]+a\cosh[4x]+a\cosh[4x]+a\cosh[4x]+a\cosh[4x]+a\cosh[4x]+a\cosh[4x]+a\cosh[4x]+a\cosh[4x]+ah[4x]+ah[4x]+ah[4x]+ah[4x]+ah[4x]+ah[4x]+ah[4x]+ah[4x]+ah[4x]+ah[4x]+ah[4x]+ah[4x]+ah[4x]+ah[4x]+ah[4x]+ah[4x]+ah[4x]+ah[4x]+ah[4x]+ah[4x]+ah[4x]+ah[4x]+ah[4x]+ah[4x]+ah[4x]+ah[4x]+ah[4x]+ah[4x]+ah[4x]+ah[4x]+ah[4x]+ah[4x]+ah[4x]+ah[4x]+ah[4x]+ah[4x]+ah[4x]+ah[4x]+ah[4x]+ah[4x]+ah[4x]+ah[4x]+ah[4x]+ah[4x]+ah[4x]+ah[4x]+ah[4x]+ah[4x]+ah[4x]+ah[4x]+ah[4x]+ah[4x]+ah[4x]+ah[4x]+ah[4x]+ah[4x]+ah[4x]+ah[4x]+ah[4x]+ah[4x]+ah[4x]+ah[4x]+ah[4x]+ah[4x]+ah[4x]+ah[4x]+ah[4x]+ah[4x]+ah[4x]+ah[4x]+ah[4x]+ah[4x]+ah[4x]+ah[4x]+ah[4x]+ah[4x]+ah[4x]+ah[4x]+ah[4x]+ah[4x]+ah[4x]+ah[4x]+ah[4x]+ah[4x]+ah[4x]+ah[4x]+ah[4x]+ah[4x]+ah[4x]+ah[4x]+ah[4x]+ah[4x]+ah[4x]+ah[4x]+ah[4x]+ah[4x]+ah[4x]+ah[4x]+ah[4x]+ah[4x]+ah[4x]+ah[4x]+ah[4x]+ah[4x]+ah[4x]+ah[4x]+ah[4x]+ah[4x]+ah[4x]+ah[4x]+ah[4x]+ah[4x]+ah[4x]+ah[4x]+ah[4x]+ah[4x]+ah[4x]+ah[4x]+ah[4x]+ah[4x]+ah[4x]+ah[4x]+ah[4x]+ah[4x]+ah[4x]+ah[4x]+ah[4x]+ah[4x]+ah[4x]+ah[4x]+ah[4x]+ah[4x]+ah[4x]+ah[4x]+ah[4x]+ah[4x]+ah[4x]+ah[4x]+ah[4x]+ah[4x]+ah[4x]+ah[4x]+ah[4x]+ah[4x]+ah[4x]+ah[4x]+ah[4x]+ah[4x]+ah[4x]+ah[4x]+ah[4x]+ah[4x]+ah[4x]+ah[4x]+ah[4x]+ah[4x]+ah[4x]+ah[4x]+ah[4x]+ah[4x]+ah[4x]+ah[4x]+ah[4x]+ah[4x]+ah[4x]+ah[4x]+ah[4x]+ah[4x]+ah[4x]+ah[4x]+ah[4x]+ah[4x]+ah[4x]+ah[4x]+ah[4x]+ah[4x]+ah[4x]+ah[4x]+ah[4x]+ah[4x]+ah[4x]+ah[4x]+ah[4x]+ah[4x]+ah[4x]+ah[4x]+ah[4x]+ah[4x]+ah[4x]+ah[4x]+ah[4x]+ah[4x]+ah[4x]+ah[4x]+ah[4x]+ah[4x]+ah[4x]+ah[4x]+ah[4x]+ah[4x]+ah[4x]+ah[4x]+ah[4x]+ah[4x]+ah[4x]+ah[4x]+ah[4x]+ah[4x]+ah[4x]+ah[4x]+ah[4x]+ah[4x]+ah[4x]+ah[4x]+ah[4x]+ah[4x]+ah[4x]+ah[4x]+ah[4x]+ah[4x]+ah[4x]+ah[4x]+ah[4x]+ah[4x]+ah[4x]+ah[4x]+ah[4x]+ah[4x]+ah[4x]+ah[4x]+ah[4x]+ah[4x]+ah[4x]+ah[4x]+ah[4x]+ah[4x]+ah[4x]+ah[4x]+ah[4x]+ah[4x]+ah[4x]+ah[4x]+ah[4x]+ah[4x]+ah[4x]+ah[4x]+ah[4x]+ah[4x]+ah[4
                                                                                                                                                                                   b \, Cosh[\,4\,\,x] \, + c \, Cosh[\,4\,\,x]\,) \, + b \, (3\,\,a - b + 3\,\,c - 4\,\,a \, Cosh[\,2\,\,x] \, + 4\,\,c \, Cosh[\,2\,\,x] \, + a \, Cosh[\,4\,\,x] \, + b \, Cosh[\,4\,\,
                                                                                                                                                                                   c \cosh[4x] + c (3a - b + 3c - 4a \cosh[2x] + 4c \cosh[2x] + a \cosh[4x] + b \cosh[4x] + c \cosh[4x])
              \sqrt{\left(1 + \frac{1}{2(a+b+c)} \left(2a-2c+\sqrt{2}\sqrt{(2b^2-8ac+a(3a-b+3c-4aCosh[2x]+4cCosh[2x]+aCosh[4x]+\frac{1}{2(a+b+c)}\left(2a-2c+\sqrt{2}\sqrt{(2b^2-8ac+a(3a-b+3c-4aCosh[2x]+4cCosh[2x]+aCosh[4x]+\frac{1}{2(a+b+c)}\right)\right)}\right)}
                                                                                                                                                                                     b \, Cosh[4 \, x] + c \, Cosh[4 \, x]) + b \, (3 \, a - b + 3 \, c - 4 \, a \, Cosh[2 \, x] + 4 \, c \, Cosh[2 \, x] + a \, Cosh[4 \, x] + b \, Cosh[4 \,
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$$c \, Cosh[4\,x]) + c \, (3\,a - b + 3\,c - 4\,a \, Cosh[2\,x] + 4\,c \, Cosh[2\,x] + a \, Cosh[4\,x] + b \, Cosh[4\,x] + c \, Cosh[4\,x]) \Big) \Big) \\ \sqrt{(3\,a - b + 3\,c - 4\,(a - c)\, Cosh[2\,x] + (a + b + c)\, Cosh[4\,x])} \\ \sqrt{(3\,a - b + 3\,c - 4\,(a - c)\, Cosh[2\,x] + (a + b + c)\, Cosh[4\,x])} \\ \sqrt{\frac{3\,a - b + 3\,c - 4\,(a - c)\, Cosh[2\,x] + (a + b + c)\, Cosh[4\,x]}{(1 + Cosh[2\,x])^2}} \\ \frac{Cseh[x]}{Sech[x]} \\ - \frac{b \, Csch[x]^2 \, Sinh[2\,x]}{\sqrt{3\,a - b + 3\,c - 4\,(a - c)\, Cosh[2\,x] + (a + b + c)\, Cosh[4\,x]}} + \\ \frac{c \, Csch[x]^2 \, Sinh[2\,x]}{\sqrt{3\,a - b + 3\,c - 4\,(a - c)\, Cosh[2\,x] + (a + b + c)\, Cosh[4\,x]}} + \\ \frac{c \, Cosh[x]^2 \, Sinh[2\,x]}{\sqrt{3\,a - b + 3\,c - 4\,(a - c)\, Cosh[2\,x] + (a + b + c)\, Cosh[4\,x]}} + \\ \frac{c \, Cosh[x] \, Sech[x]^2 \, Sinh[2\,x]}{\sqrt{3\,a - b + 3\,c - 4\,(a - c)\, Cosh[2\,x] + (a + b + c)\, Cosh[4\,x]}} \\ \sqrt{(2\,c \, Sech[x]^2 \, Tanh[x]^2 + 2\,\sqrt{c}\, \sqrt{c + Tanh[x]^2 + 2\,Sech[x]^2 \, Tanh[x]\, (b + a \, Tanh[x]^2)}}} \\ \sqrt{(3\,a - b + 3\,c - 4\,(a - c)\, Cosh[2\,x])} \, \sqrt{3\,a - b + 3\,c + (-4\,a + 4\,c)\, Cosh[2\,x] + (a + b + c)\, Cosh[4\,x]}}$$

Timed out after 60 seconds:

$$\left\{ \frac{ \text{Coth}[x]^3}{\sqrt{a + b \, \text{Coth}[x]^2 + c \, \text{Coth}[x]^4}}, \, x, \, 7, \, 0 \right\}$$

$$- \frac{ \text{ArcTanh} \left[ \frac{b + 2 \, c \, \text{Coth}[x]^2}{2 \, \sqrt{c} \, \sqrt{a + b \, \text{Coth}[x]^2 + c \, \text{Coth}[x]^4}} \right]}{2 \, \sqrt{c}} + \frac{ \text{ArcTanh} \left[ \frac{2 \, a + b + (b + 2 \, c) \, \, \text{Coth}[x]^2}{\sqrt{a + b + c} \, \sqrt{a + b \, \text{Coth}[x]^2 + c \, \text{Coth}[x]^4}} \right]}{2 \, \sqrt{a + b + c}}$$
???

Timed out after 60 seconds:

$$\begin{cases} \frac{\text{Coth[x]}}{\sqrt{\texttt{a} + \texttt{b} \, \texttt{Coth[x]}^2 + \texttt{c} \, \texttt{Coth[x]}^4}}, \ \texttt{x, 4, 0} \\ \\ \frac{\text{ArcTanh}\Big[\frac{2\, \texttt{a} + \texttt{b} + (\texttt{b} + 2\, \texttt{c}) \, \, \texttt{Coth[x]}^2}{2\, \sqrt{\texttt{a} + \texttt{b} + \texttt{c}} \, \sqrt{\texttt{a} + \texttt{b} \, \texttt{Coth[x]}^2 + \texttt{c} \, \texttt{Coth[x]}^4}}\Big]}{2\, \sqrt{\texttt{a} + \texttt{b} + \texttt{c}}} \end{aligned}$$

Unable to integrate:

$$\left\{ \frac{ \text{Tanh}[x]}{\sqrt{\texttt{a} + \texttt{b} \, \text{Coth}[x]^2 + \texttt{c} \, \text{Coth}[x]^4}}, \, \, \texttt{x, 6, 0} \right\}$$

$$\frac{ \text{ArcTanh} \left[ \frac{2 \, \texttt{a} + \texttt{b} \, \text{Coth}[x]^2}{2 \, \sqrt{\texttt{a}} \, \sqrt{\texttt{a} + \texttt{b} \, \text{Coth}[x]^2 + \texttt{c} \, \text{Coth}[x]^4}} \right] }{2 \, \sqrt{\texttt{a}}} + \frac{ \text{ArcTanh} \left[ \frac{2 \, \texttt{a} + \texttt{b} + (\texttt{b} + 2 \, \texttt{c}) \, \, \text{Coth}[x]^2}{\sqrt{\texttt{a} + \texttt{b} + \texttt{c}} \, \sqrt{\texttt{a} + \texttt{b} \, \text{Coth}[x]^2 + \texttt{c} \, \text{Coth}[x]^4}} \right] }{2 \, \sqrt{\texttt{a} + \texttt{b} \, \text{Coth}[x]^2 + \texttt{c} \, \text{Coth}[x]^4}}$$

Incorrect antiderivative:

$$\left( \left( (-a+b) \ (1+Cosh[2\,x]) \ (3\,a-b+3\,c-4\ (a-c)\ Cosh[2\,x] + (a+b+c)\ Cosh[4\,x] \right) \right) \right)$$

$$\sqrt{\frac{3 \, a - b + 3 \, c + \, (-4 \, a + 4 \, c) \, \, Cosh[\, 2 \, x] \, + \, (a + b + c) \, \, Cosh[\, 4 \, x]}{\left(1 + Cosh[\, 2 \, x]\,\right)^{\, 2}}} \quad Coth[\, x] \, \, Csch[\, x]^{\, 2} \, Log[\, x]^{\,$$

$$b + 2 \, a \, Tanh[x]^2 + 2 \, \sqrt{a} \, \sqrt{c + b \, Tanh[x]^2 + a \, Tanh[x]^4} \, \bigg] \, \left( \frac{a \, Coth[2 \, x] \, Sinh[x]^2}{\sqrt{3 \, a - b + 3 \, c - 4 \, (a - c) \, Cosh[2 \, x] + (a + b + c) \, Cosh[4 \, x]}} \, - \frac{a \, Coth[2 \, x] \, Sinh[x]^2}{\sqrt{a \, a - b + 3 \, c - 4 \, (a - c) \, Cosh[2 \, x] + (a + b + c) \, Cosh[4 \, x]}} \, - \frac{a \, Coth[2 \, x] \, Sinh[x]^2}{\sqrt{a \, a - b + 3 \, c - 4 \, (a - c) \, Cosh[2 \, x] + (a + b + c) \, Cosh[4 \, x]}} \, - \frac{a \, Coth[2 \, x] \, Sinh[x]^2}{\sqrt{a \, a - b + 3 \, c - 4 \, (a - c) \, Cosh[2 \, x] + (a + b + c) \, Cosh[4 \, x]}} \, - \frac{a \, Coth[2 \, x] \, Sinh[x]^2}{\sqrt{a \, a - b + 3 \, c - 4 \, (a - c) \, Cosh[2 \, x] + (a + b + c) \, Cosh[4 \, x]}} \, - \frac{a \, Coth[2 \, x] \, Sinh[x]^2}{\sqrt{a \, a - b + 3 \, c - 4 \, (a - c) \, Cosh[2 \, x] + (a + b + c) \, Cosh[4 \, x]}} \, - \frac{a \, Coth[2 \, x] \, Sinh[x]^2}{\sqrt{a \, a - b + 3 \, c - 4 \, (a - c) \, Cosh[2 \, x] + (a + b + c) \, Cosh[4 \, x]}} \, - \frac{a \, Coth[2 \, x] \, Sinh[x]^2}{\sqrt{a \, a - b + 3 \, c - 4 \, (a - c) \, Cosh[2 \, x] + (a + b + c) \, Cosh[4 \, x]}} \, - \frac{a \, Coth[2 \, x] \, Sinh[x]^2}{\sqrt{a \, a - b + 3 \, c - 4 \, (a - c) \, Cosh[2 \, x] + (a + b + c) \, Cosh[4 \, x]}} \, - \frac{a \, Coth[2 \, x] \, Sinh[x]^2}{\sqrt{a \, a - b + 3 \, c - 4 \, (a - c) \, Cosh[2 \, x]}} \, - \frac{a \, Coth[2 \, x] \, Sinh[x]^2}{\sqrt{a \, a - b + 3 \, c - 4 \, (a - c) \, Cosh[2 \, x]}} \, - \frac{a \, Coth[2 \, x] \, Sinh[x]^2}{\sqrt{a \, a - b + 3 \, c - 4 \, (a - c) \, Cosh[2 \, x]}} \, - \frac{a \, Coth[2 \, x] \, Sinh[x]^2}{\sqrt{a \, a - b + 3 \, c - 4 \, (a - c) \, Cosh[2 \, x]}} \, - \frac{a \, Coth[2 \, x] \, Sinh[x]^2}{\sqrt{a \, a - b + 3 \, c - 4 \, (a - c) \, Cosh[2 \, x]}} \, - \frac{a \, Coth[2 \, x] \, Sinh[x]^2}{\sqrt{a \, a - b + 3 \, c - 4 \, (a - c) \, Cosh[2 \, x]}} \, - \frac{a \, Coth[2 \, x] \, Sinh[x]^2}{\sqrt{a \, a - b + 3 \, c - 4 \, (a - c) \, Cosh[2 \, x]}} \, - \frac{a \, Coth[2 \, x] \, Sinh[x]^2}{\sqrt{a \, a - b + 3 \, c - 4 \, (a - c) \, Cosh[2 \, x]}} \, - \frac{a \, Coth[2 \, x] \, Sinh[x]^2}{\sqrt{a \, a - b + 3 \, c - 4 \, (a - c) \, Cosh[2 \, x]}} \, - \frac{a \, Coth[2 \, x] \, Sinh[x]^2}{\sqrt{a \, a - b + 3 \, c - 4 \, (a - c) \, Cosh[2 \, x]}} \, - \frac{a \, Coth[2 \, x] \, Sinh[x]^2}{\sqrt{a \, a - b + 3 \, c - 4 \, (a - c) \, Cosh[2 \, x]}} \, - \frac{a \, Coth$$

$$\frac{ a \, Csch[\,2\,x] \, Sinh[\,x]^{\,2} }{\sqrt{3\,a - b + 3\,c - 4\,\left(a - c\right) \, Cosh[\,2\,x] \, + \, \left(a + b + c\right) \, Cosh[\,4\,x]}}$$

$$\left. \frac{b \, \text{Csch[2x] Sinh[x]}^2}{\sqrt{3 \, a - b + 3 \, c - 4 \, (a - c) \, \text{Cosh[2x]} + (a + b + c) \, \text{Cosh[4x]}}} \right) \right| / \frac{1}{\sqrt{3 \, a - b + 3 \, c - 4 \, (a - c) \, \text{Cosh[2x]} + (a + b + c) \, \text{Cosh[4x]}}} \right| / \frac{1}{\sqrt{3 \, a - b + 3 \, c - 4 \, (a - c) \, \text{Cosh[2x]} + (a + b + c) \, \text{Cosh[4x]}}} \right| / \frac{1}{\sqrt{3 \, a - b + 3 \, c - 4 \, (a - c) \, \text{Cosh[2x]} + (a + b + c) \, \text{Cosh[4x]}}} \right| / \frac{1}{\sqrt{3 \, a - b + 3 \, c - 4 \, (a - c) \, \text{Cosh[2x]} + (a + b + c) \, \text{Cosh[4x]}}} \right| / \frac{1}{\sqrt{3 \, a - b + 3 \, c - 4 \, (a - c) \, \text{Cosh[2x]} + (a + b + c) \, \text{Cosh[4x]}}} \right| / \frac{1}{\sqrt{3 \, a - b + 3 \, c - 4 \, (a - c) \, \text{Cosh[2x]} + (a + b + c) \, \text{Cosh[4x]}}} \right| / \frac{1}{\sqrt{3 \, a - b + 3 \, c - 4 \, (a - c) \, \text{Cosh[2x]} + (a + b + c) \, \text{Cosh[4x]}}} \right| / \frac{1}{\sqrt{3 \, a - b + 3 \, c - 4 \, (a - c) \, \text{Cosh[2x]} + (a + b + c) \, \text{Cosh[4x]}}} \right| / \frac{1}{\sqrt{3 \, a - b + 3 \, c - 4 \, (a - c) \, \text{Cosh[2x]} + (a + b + c) \, \text{Cosh[4x]}}} \right| / \frac{1}{\sqrt{3 \, a - b + 3 \, c - 4 \, (a - c) \, \text{Cosh[2x]} + (a + b + c) \, \text{Cosh[4x]}}}$$

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 \left( 8 \sqrt{2} \sqrt{a} \left( -a + b + a \cosh[2 x] \right) \sqrt{3 a - b + 3 c + \left( -4 a + 4 c \right) \cosh[2 x] + \left( a + b + c \right) \cosh[4 x]} \sqrt{\left( 3 a - b + 3 c - 4 \left( a - c \right) \cosh[2 x] + \left( a + b + c \right) \cosh[4 x] \right) \cosh[4 x]} \right) + 
a \, Cosh[2 \, x] \, (3 \, a - b + 3 \, c - 4 \, (a - c) \, Cosh[2 \, x] + (a + b + c) \, Cosh[4 \, x])
                                      \left(2\,a\,\sqrt{3\,a-b+3\,c-4\,a\,Cosh[\,2\,x\,]\,+4\,c\,Cosh[\,2\,x\,]\,+a\,Cosh[\,4\,x\,]\,+b\,Cosh[\,4\,x\,]\,+c\,Cosh[\,4\,x\,]}\right.\\ +\left.\frac{1}{2}\,a\,\sqrt{3\,a-b+3\,c-4\,a\,Cosh[\,2\,x\,]\,+4\,c\,Cosh[\,2\,x\,]\,+a\,Cosh[\,4\,x\,]\,+b\,Cosh[\,4\,x\,]\,+c\,Cosh[\,4\,x\,]\,+c\,Cosh[\,4\,x\,]\,+c\,Cosh[\,4\,x\,]\,+c\,Cosh[\,4\,x\,]\,+c\,Cosh[\,4\,x\,]\,+c\,Cosh[\,4\,x\,]\,+c\,Cosh[\,4\,x\,]\,+c\,Cosh[\,4\,x\,]\,+c\,Cosh[\,4\,x\,]\,+c\,Cosh[\,4\,x\,]\,+c\,Cosh[\,4\,x\,]\,+c\,Cosh[\,4\,x\,]\,+c\,Cosh[\,4\,x\,]\,+c\,Cosh[\,4\,x\,]\,+c\,Cosh[\,4\,x\,]\,+c\,Cosh[\,4\,x\,]\,+c\,Cosh[\,4\,x\,]\,+c\,Cosh[\,4\,x\,]\,+c\,Cosh[\,4\,x\,]\,+c\,Cosh[\,4\,x\,]\,+c\,Cosh[\,4\,x\,]\,+c\,Cosh[\,4\,x\,]\,+c\,Cosh[\,4\,x\,]\,+c\,Cosh[\,4\,x\,]\,+c\,Cosh[\,4\,x\,]\,+c\,Cosh[\,4\,x\,]\,+c\,Cosh[\,4\,x\,]\,+c\,Cosh[\,4\,x\,]\,+c\,Cosh[\,4\,x\,]\,+c\,Cosh[\,4\,x\,]\,+c\,Cosh[\,4\,x\,]\,+c\,Cosh[\,4\,x\,]\,+c\,Cosh[\,4\,x\,]\,+c\,Cosh[\,4\,x\,]\,+c\,Cosh[\,4\,x\,]\,+c\,Cosh[\,4\,x\,]\,+c\,Cosh[\,4\,x\,]\,+c\,Cosh[\,4\,x\,]\,+c\,Cosh[\,4\,x\,]\,+c\,Cosh[\,4\,x\,]\,+c\,Cosh[\,4\,x\,]\,+c\,Cosh[\,4\,x\,]\,+c\,Cosh[\,4\,x\,]\,+c\,Cosh[\,4\,x\,]\,+c\,Cosh[\,4\,x\,]\,+c\,Cosh[\,4\,x\,]\,+c\,Cosh[\,4\,x\,]\,+c\,Cosh[\,4\,x\,]\,+c\,Cosh[\,4\,x\,]\,+c\,Cosh[\,4\,x\,]\,+c\,Cosh[\,4\,x\,]\,+c\,Cosh[\,4\,x\,]\,+c\,Cosh[\,4\,x\,]\,+c\,Cosh[\,4\,x\,]\,+c\,Cosh[\,4\,x\,]\,+c\,Cosh[\,4\,x\,]\,+c\,Cosh[\,4\,x\,]\,+c\,Cosh[\,4\,x\,]\,+c\,Cosh[\,4\,x\,]\,+c\,Cosh[\,4\,x\,]\,+c\,Cosh[\,4\,x\,]\,+c\,Cosh[\,4\,x\,]\,+c\,Cosh[\,4\,x\,]\,+c\,Cosh[\,4\,x\,]\,+c\,Cosh[\,4\,x\,]\,+c\,Cosh[\,4\,x\,]\,+c\,Cosh[\,4\,x\,]\,+c\,Cosh[\,4\,x\,]\,+c\,Cosh[\,4\,x\,]\,+c\,Cosh[\,4\,x\,]\,+c\,Cosh[\,4\,x\,]\,+c\,Cosh[\,4\,x\,]\,+c\,Cosh[\,4\,x\,]\,+c\,Cosh[\,4\,x\,]\,+c\,Cosh[\,4\,x\,]\,+c\,Cosh[\,4\,x\,]\,+c\,Cosh[\,4\,x\,]\,+c\,Cosh[\,4\,x\,]\,+c\,Cosh[\,4\,x\,]\,+c\,Cosh[\,4\,x\,]\,+c\,Cosh[\,4\,x\,]\,+c\,Cosh[\,4\,x\,]\,+c\,Cosh[\,4\,x\,]\,+c\,Cosh[\,4\,x\,]\,+c\,Cosh[\,4\,x\,]\,+c\,Cosh[\,4\,x\,]\,+c\,Cosh[\,4\,x\,]\,+c\,Cosh[\,4\,x\,]\,+c\,Cosh[\,4\,x\,]\,+c\,Cosh[\,4\,x\,]\,+c\,Cosh[\,4\,x\,]\,+c\,Cosh[\,4\,x\,]\,+c\,Cosh[\,4\,x\,]\,+c\,Cosh[\,4\,x\,]\,+c\,Cosh[\,4\,x\,]\,+c\,Cosh[\,4\,x\,]\,+c\,Cosh[\,4\,x\,]\,+c\,Cosh[\,4\,x\,]\,+c\,Cosh[\,4\,x\,]\,+c\,Cosh[\,4\,x\,]\,+c\,Cosh[\,4\,x\,]\,+c\,Cosh[\,4\,x\,]\,+c\,Cosh[\,4\,x\,]\,+c\,Cosh[\,4\,x\,]\,+c\,Cosh[\,4\,x\,]\,+c\,Cosh[\,4\,x\,]\,+c\,Cosh[\,4\,x\,]\,+c\,Cosh[\,4\,x\,]\,+c\,Cosh[\,4\,x\,]\,+c\,Cosh[\,4\,x\,]\,+c\,Cosh[\,4\,x\,]\,+c\,Cosh[\,4\,x\,]\,+c\,Cosh[\,4\,x\,]\,+c\,Cosh[\,4\,x\,]\,+c\,Cosh[\,4\,x\,]\,+c\,Cosh[\,4\,x\,]\,+c\,Cosh[\,4\,x\,]\,+c\,Cosh[\,4\,x\,]\,+c\,Cosh[\,4\,x\,]\,+c\,Cosh[\,4\,x\,]\,+c\,Cosh[\,4\,x\,]\,+c\,Cosh[\,4\,x\,]\,+c\,Cosh[\,4\,x\,]\,+c\,Cosh[\,4\,
                                                                2\ b\ \sqrt{3\ a-b+3\ c-4\ a\ Cosh[2\ x]\ +4\ c\ Cosh[2\ x]\ +a\ Cosh[4\ x]\ +b\ Cosh[4\ x]\ +c\ Cosh[4\ x]\ +c\
                                                                  2\ c\ \sqrt{3\ a-b+3\ c-4\ a\ Cosh[2\ x]\ +4\ c\ Cosh[2\ x]\ +a\ Cosh[4\ x]\ +b\ Cosh[4\ x]\ +c\ Cosh[4\ x]}
                              \sqrt{\left[\frac{1}{a+b+c}\left(4\,a+2\,b+\sqrt{2}\,\sqrt{\left(2\,b^2-8\,a\,c+a\,\left(3\,a-b+3\,c-4\,a\,Cosh[2\,x]+4\,c\,Cosh[2\,x]+a\,Cosh[4\,x]+b\,Cosh[4\,x]+b\,Cosh[4\,x]+b\,Cosh[4\,x]+b\,Cosh[4\,x]+b\,Cosh[4\,x]+b\,Cosh[4\,x]+b\,Cosh[4\,x]+b\,Cosh[4\,x]+b\,Cosh[4\,x]+b\,Cosh[4\,x]+b\,Cosh[4\,x]+b\,Cosh[4\,x]+b\,Cosh[4\,x]+b\,Cosh[4\,x]+b\,Cosh[4\,x]+b\,Cosh[4\,x]+b\,Cosh[4\,x]+b\,Cosh[4\,x]+b\,Cosh[4\,x]+b\,Cosh[4\,x]+b\,Cosh[4\,x]+b\,Cosh[4\,x]+b\,Cosh[4\,x]+b\,Cosh[4\,x]+b\,Cosh[4\,x]+b\,Cosh[4\,x]+b\,Cosh[4\,x]+b\,Cosh[4\,x]+b\,Cosh[4\,x]+b\,Cosh[4\,x]+b\,Cosh[4\,x]+b\,Cosh[4\,x]+b\,Cosh[4\,x]+b\,Cosh[4\,x]+b\,Cosh[4\,x]+b\,Cosh[4\,x]+b\,Cosh[4\,x]+b\,Cosh[4\,x]+b\,Cosh[4\,x]+b\,Cosh[4\,x]+b\,Cosh[4\,x]+b\,Cosh[4\,x]+b\,Cosh[4\,x]+b\,Cosh[4\,x]+b\,Cosh[4\,x]+b\,Cosh[4\,x]+b\,Cosh[4\,x]+b\,Cosh[4\,x]+b\,Cosh[4\,x]+b\,Cosh[4\,x]+b\,Cosh[4\,x]+b\,Cosh[4\,x]+b\,Cosh[4\,x]+b\,Cosh[4\,x]+b\,Cosh[4\,x]+b\,Cosh[4\,x]+b\,Cosh[4\,x]+b\,Cosh[4\,x]+b\,Cosh[4\,x]+b\,Cosh[4\,x]+b\,Cosh[4\,x]+b\,Cosh[4\,x]+b\,Cosh[4\,x]+b\,Cosh[4\,x]+b\,Cosh[4\,x]+b\,Cosh[4\,x]+b\,Cosh[4\,x]+b\,Cosh[4\,x]+b\,Cosh[4\,x]+b\,Cosh[4\,x]+b\,Cosh[4\,x]+b\,Cosh[4\,x]+b\,Cosh[4\,x]+b\,Cosh[4\,x]+b\,Cosh[4\,x]+b\,Cosh[4\,x]+b\,Cosh[4\,x]+b\,Cosh[4\,x]+b\,Cosh[4\,x]+b\,Cosh[4\,x]+b\,Cosh[4\,x]+b\,Cosh[4\,x]+b\,Cosh[4\,x]+b\,Cosh[4\,x]+b\,Cosh[4\,x]+b\,Cosh[4\,x]+b\,Cosh[4\,x]+b\,Cosh[4\,x]+b\,Cosh[4\,x]+b\,Cosh[4\,x]+b\,Cosh[4\,x]+b\,Cosh[4\,x]+b\,Cosh[4\,x]+b\,Cosh[4\,x]+b\,Cosh[4\,x]+b\,Cosh[4\,x]+b\,Cosh[4\,x]+b\,Cosh[4\,x]+b\,Cosh[4\,x]+b\,Cosh[4\,x]+b\,Cosh[4\,x]+b\,Cosh[4\,x]+b\,Cosh[4\,x]+b\,Cosh[4\,x]+b\,Cosh[4\,x]+b\,Cosh[4\,x]+b\,Cosh[4\,x]+b\,Cosh[4\,x]+b\,Cosh[4\,x]+b\,Cosh[4\,x]+b\,Cosh[4\,x]+b\,Cosh[4\,x]+b\,Cosh[4\,x]+b\,Cosh[4\,x]+b\,Cosh[4\,x]+b\,Cosh[4\,x]+b\,Cosh[4\,x]+b\,Cosh[4\,x]+b\,Cosh[4\,x]+b\,Cosh[4\,x]+b\,Cosh[4\,x]+b\,Cosh[4\,x]+b\,Cosh[4\,x]+b\,Cosh[4\,x]+b\,Cosh[4\,x]+b\,Cosh[4\,x]+b\,Cosh[4\,x]+b\,Cosh[4\,x]+b\,Cosh[4\,x]+b\,Cosh[4\,x]+b\,Cosh[4\,x]+b\,Cosh[4\,x]+b\,Cosh[4\,x]+b\,Cosh[4\,x]+b\,Cosh[4\,x]+b\,Cosh[4\,x]+b\,Cosh[4\,x]+b\,Cosh[4\,x]+b\,Cosh[4\,x]+b\,Cosh[4\,x]+b\,Cosh[4\,x]+b\,Cosh[4\,x]+b\,Cosh[4\,x]+b\,Cosh[4\,x]+b\,Cosh[4\,x]+b\,Cosh[4\,x]+b\,Cosh[4\,x]+b\,Cosh[4\,x]+b\,Cosh[4\,x]+b\,Cosh[4\,x]+b\,Cosh[4\,x]+b\,Cosh[4\,x]+b\,Cosh[4\,x]+b\,Cosh[4\,x]+b\,Cosh[4\,x]+b\,Cosh[4\,x]+b\,Cosh[4\,x]+b\,Cosh[4\,x]+b\,Cosh[4\,x]+b\,Cosh[4\,x]+b\,Cosh[4\,x]+b\,Cosh[4\,x]+
                                                                                                                                                                                                                                            \verb| c Cosh[4x]| + b (3a - b + 3c - 4a Cosh[2x] + 4c Cosh[2x] + a Cosh[4x] + b Cosh[4x] + c Cosh[4x]) + c Cosh[4x] + c Co
                                                                                                                                                                                       c (3 a - b + 3 c - 4 a Cosh[2 x] + 4 c Cosh[2 x] + a Cosh[4 x] + b Cosh[4 x] + c Cosh[4 x]))
                                                                \frac{1}{\sqrt{a}} \operatorname{ArcTanh} \left[ \left( (2 \text{ a} + \text{b}) \sqrt{3 \text{ a} - \text{b} + 3 \text{ c} - 4 \text{ a} \operatorname{Cosh}[2 \text{ x}] + 4 \text{ c} \operatorname{Cosh}[2 \text{ x}] + \operatorname{a} \operatorname{Cosh}[4 \text{ x}] + \operatorname{b} \operatorname{Cosh}[4 \text{ x}] + \operatorname{c} \operatorname{Cosh}[4 \text{ x}] \right] \right) / \operatorname{cosh}[4 \text{ x}] + \operatorname{cosh}[4 \text{ x
                                                                                                                       \left(2\,\sqrt{a}\,\,\sqrt{\left(2\,b^2\,-\,8\,a\,c\,+\,a\,\left(3\,a\,-\,b\,+\,3\,c\,-\,4\,a\,Cosh[\,2\,x\,]\,+\,4\,c\,Cosh[\,2\,x\,]\,+\,a\,Cosh[\,4\,x\,]\,+\,b\,Cosh[\,4\,x\,]\,+\,c\,Cosh[\,4\,x\,]\,\right)}\right.
                                                                                                                                                                                                        b\ (3\ a-b+3\ c-4\ a\ Cosh \lceil 2\ x\rceil \ +\ 4\ c\ Cosh \lceil 2\ x\rceil \ +\ a\ Cosh \lceil 4\ x\rceil \ +\ b\ Cosh \lceil 4\ x\rceil \ +\ c\ Cosh \lceil 4\ x\rceil \ )\ +\ c\ Cosh \lceil 4\ x\rceil \ )
                                                                                                                                                                                                        c(3a-b+3c-4aCosh[2x]+4cCosh[2x]+aCosh[4x]+bCosh[4x]+cCosh[4x])))
                                                                  b\sqrt{3}a - b + 3c - 4a Cosh[2x] + 4c Cosh[2x] + a Cosh[4x] + b Cosh[4x] + c Cosh[4x] + c Cosh[4x]
                                                                                                                                                                         {\tt c}\,\sqrt{\,3\,{\tt a}\,-\,{\tt b}\,+\,3\,{\tt c}\,-\,4\,{\tt a}\,{\tt Cosh}[\,2\,\,{\tt x}\,]\,+\,4\,{\tt c}\,{\tt Cosh}[\,2\,\,{\tt x}\,]\,+\,{\tt a}\,{\tt Cosh}[\,4\,\,{\tt x}\,]\,+\,{\tt b}\,{\tt Cosh}[\,4\,\,{\tt x}\,]\,+\,{\tt c}\,{\tt Cosh}[\,4\,\,{\tt x}\,]\,\,+\,{\tt d}\,{\tt c}\,{\tt cosh}[\,4\,\,{\tt x}\,]\,+\,{\tt d}\,{\tt cosh}[\,4\,\,{\tt cosh}[\,4\,\,{\tt x}\,]\,+\,{\tt d}\,{\tt cosh}[\,4\,\,{\tt x}\,]\,+\,{\tt d}\,{\tt cosh}[\,4\,\,{\tt x}\,]\,+\,{\tt d}\,{\tt cosh}[\,4\,\,{\tt x}\,]\,+\,{\tt d}\,{\tt cosh}[\,4\,\,{\tt cosh}[\,4\,\,{\tt x}\,]\,+\,{\tt d}\,{\tt cosh}[\,4\,\,{\tt x}\,]\,+\,{\tt d}\,{\tt cosh}[\,4\,\,{\tt x}\,]\,+\,{\tt d}\,{\tt cosh}[\,4\,\,{\tt cosh}[\,4\,\,{\tt cosh}[\,4\,\,{\tt cosh}[\,4\,\,{\tt cosh}[\,4\,\,{\tt cosh}[\,4\,\,{\tt cosh}[\,4\,\,{\tt cosh}[\,4\,\,{\tt c
                                                                                                                                                                                       \sqrt{\left(2\,b^2-8\,a\,c+a\,\left(3\,a-b+3\,c-4\,a\,Cosh[2\,x]+4\,c\,Cosh[2\,x]+a\,Cosh[4\,x]+b\,Cosh[4\,x]+c\,Cosh[4\,x]\right)}
                                                                                                                                                                                                                                           b (3 a - b + 3 c - 4 a Cosh[2 x] + 4 c Cosh[2 x] + a Cosh[4 x] + b Cosh[4 x] + c Cosh[4 x]) +
                                                                                                                                                                                                                                          \texttt{c} \; \; (3\; \texttt{a} - \texttt{b} + 3\; \texttt{c} - 4\; \texttt{a} \; \texttt{Cosh}[\, 2\; \texttt{x}\,] \; + 4\; \texttt{c} \; \texttt{Cosh}[\, 2\; \texttt{x}\,] \; + \\ \texttt{a} \; \texttt{Cosh}[\, 4\; \texttt{x}\,] \; + \\ \texttt{b} \; \texttt{cosh}[\, 4\; \texttt{x}\,] \; + \\ \texttt{cosh}[\, 4\; 
                                                                                                                                                                                                                                                                                     \left. \text{COsh[4x])} \right) \right) \bigg] \Bigg| \left( \frac{\text{a Coth[2x] Sinh[x]}^2}{\sqrt{3 \text{a-b+3c-4 (a-c) Cosh[2x] + (a+b+c) Cosh[4x]}}} \right) - \left[ \frac{\text{a Coth[2x] Sinh[x]}^2}{\sqrt{3 \text{a-b+3c-4 (a-c) Cosh[2x] + (a+b+c) Cosh[4x]}}} \right] - \left[ \frac{\text{a Coth[2x] Sinh[x]}^2}{\sqrt{3 \text{a-b+3c-4 (a-c) Cosh[2x] + (a+b+c) Cosh[4x]}}} \right] - \left[ \frac{\text{a Coth[2x] Sinh[x]}^2}{\sqrt{3 \text{a-b+3c-4 (a-c) Cosh[2x] + (a+b+c) Cosh[4x]}}} \right] - \left[ \frac{\text{a Coth[2x] Sinh[x]}^2}{\sqrt{3 \text{a-b+3c-4 (a-c) Cosh[2x] + (a+b+c) Cosh[4x]}}} \right] - \left[ \frac{\text{a Coth[2x] Sinh[x]}^2}{\sqrt{3 \text{a-b+3c-4 (a-c) Cosh[2x] + (a+b+c) Cosh[4x]}}} \right] - \left[ \frac{\text{a Coth[2x] Sinh[x]}^2}{\sqrt{3 \text{a-b+3c-4 (a-c) Cosh[2x] + (a+b+c) Cosh[4x]}}} \right] - \left[ \frac{\text{a Coth[2x] Sinh[x]}^2}{\sqrt{3 \text{a-b+3c-4 (a-c) Cosh[2x] + (a+b+c) Cosh[4x]}}} \right] - \left[ \frac{\text{a Coth[2x] Sinh[x]}^2}{\sqrt{3 \text{a-b+3c-4 (a-c) Cosh[2x] + (a+b+c) Cosh[4x]}}} \right] - \left[ \frac{\text{a Coth[2x] Sinh[x]}^2}{\sqrt{3 \text{a-b+3c-4 (a-c) Cosh[2x] + (a+b+c) Cosh[4x]}}} \right] - \left[ \frac{\text{a Coth[2x] Sinh[x]}^2}{\sqrt{3 \text{a-b+3c-4 (a-c) Cosh[2x] + (a+b+c) Cosh[4x]}} \right] - \left[ \frac{\text{a Coth[2x] Sinh[x]}^2}{\sqrt{3 \text{a-b+3c-4 (a-c) Cosh[2x] + (a+b+c) Cosh[4x]}} \right] - \left[ \frac{\text{a Coth[2x] Sinh[x]}^2}{\sqrt{3 \text{a-b+3c-4 (a-c) Cosh[2x] + (a+b+c) Cosh[4x]}} \right] - \left[ \frac{\text{a Coth[2x] Sinh[x]}^2}{\sqrt{3 \text{a-b+3c-4 (a-c) Cosh[2x] + (a+b+c) Cosh[4x]}} \right] - \left[ \frac{\text{a Coth[2x] Sinh[x]}^2}{\sqrt{3 \text{a-b+3c-4 (a-c) Cosh[x]}} \right] - \left[ \frac{\text{a Coth[2x] Sinh[x]}^2}{\sqrt{3 \text{a-b+3c-4 (a-c) Cosh[x]}} \right] - \left[ \frac{\text{a Coth[2x] Sinh[x]}^2}{\sqrt{3 \text{a-b+3c-4 (a-c) Cosh[x]}} \right] - \left[ \frac{\text{a Coth[2x] Sinh[x]}^2}{\sqrt{3 \text{a-b+3c-4 (a-c) Cosh[x]}}} \right] - \left[ \frac{\text{a Coth[2x] Sinh[x]}^2}{\sqrt{3 \text{a-b+3c-4 (a-c) Cosh[x]}} \right] - \left[ \frac{\text{a Coth[2x] Sinh[x]}^2}{\sqrt{3 \text{a-b+3c-4 (a-c) Cosh[x]}} \right] - \left[ \frac{\text{a Coth[2x] Sinh[x]}^2}{\sqrt{3 \text{a-b+3c-4 (a-c) Cosh[x]}}} \right] - \left[ \frac{\text{a Coth[2x] Sinh[x]}^2}{\sqrt{3 \text{a-b+3c-4 (a-c) Cosh[x]}}} \right] - \left[ \frac{\text{a Coth[2x] Sinh[x]}^2}{\sqrt{3 \text{a-b+3c-4 (a-c) Cosh[x]}}} \right] - \left[ \frac{\text{a Coth[2x] Sinh[x]}^2}{\sqrt{3 \text{a-b+3c-4 (a-c) Cosh[x]}}} \right] - \left[ \frac{\text{a Coth[2x] Sinh[x]}^2}{\sqrt{3 \text{a-b+3c-4 (a-c) Cosh[x]}}} \right] - \left[ \frac{\text{a Coth[2x] Sinh[x]}^2}{\sqrt{3 \text{a-b+3c-4 (a-c) Cosh[x]}}} \right] - \left[
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a Csch[2x] Sinh[x]<sup>2</sup>
                                                \sqrt{3 a - b + 3 c - 4 (a - c) \cosh[2 x] + (a + b + c) \cosh[4 x]}
                                                                                                                                                                                                                                    b \operatorname{Csch}[2x] \operatorname{Sinh}[x]^2
                                                \sqrt{3 a - b + 3 c - 4 (a - c) \cosh[2 x] + (a + b + c) \cosh[4 x]}
                    (-4 \text{ a Sinh}[2 \text{ x}] + 4 \text{ c Sinh}[2 \text{ x}] + 2 \text{ a Sinh}[4 \text{ x}] + 2 \text{ b Sinh}[4 \text{ x}] + 2 \text{ c Sinh}[4 \text{ x}])
32 \; (-a+b+a \; Cosh[2 \; x] \; ) \; \sqrt{3 \; a-b+3 \; c-4 \; a \; Cosh[2 \; x] \; + \; 4 \; c \; Cosh[2 \; x] \; + \; a \; Cosh[4 \; x] \; + \; b \; Cosh[4 \; x] \; + \; c \; Cosh[4 \; x] \; + \; b \; Cos
                \sqrt{\left(2\,b^2-8\,a\,c+a\,\left(3\,a-b+3\,c-4\,a\,Cosh[2\,x]+4\,c\,Cosh[2\,x]+a\,Cosh[4\,x]+b\,Cosh[4\,x]+c\,Cosh[4\,x]\right)}
                                                       b\ (3\ a-b+3\ c-4\ a\ Cosh[\ 2\ x]\ +\ 4\ c\ Cosh[\ 2\ x]\ +\ a\ Cosh[\ 4\ x]\ +\ b\ Cosh[\ 4\ x]\ +\ c\ Cosh[\ 4\ x]\ )\ +\ c\ Cosh[\ 4\ x]\ )
                                                       c(3a-b+3c-4aCosh[2x]+4cCosh[2x]+aCosh[4x]+bCosh[4x]+cCosh[4x])
              \sqrt{\frac{1}{a+b+c}} \left( -2b-4c+\sqrt{2} \sqrt{2b^2-8ac+a(3a-b+3c-4aCosh[2x]+4cCosh[2x]+aCosh[4x]+bCosh[4x]+bCosh[4x]+bCosh[4x]+bCosh[4x]+bCosh[4x]+bCosh[4x]+bCosh[4x]+bCosh[4x]+bCosh[4x]+bCosh[4x]+bCosh[4x]+bCosh[4x]+bCosh[4x]+bCosh[4x]+bCosh[4x]+bCosh[4x]+bCosh[4x]+bCosh[4x]+bCosh[4x]+bCosh[4x]+bCosh[4x]+bCosh[4x]+bCosh[4x]+bCosh[4x]+bCosh[4x]+bCosh[4x]+bCosh[4x]+bCosh[4x]+bCosh[4x]+bCosh[4x]+bCosh[4x]+bCosh[4x]+bCosh[4x]+bCosh[4x]+bCosh[4x]+bCosh[4x]+bCosh[4x]+bCosh[4x]+bCosh[4x]+bCosh[4x]+bCosh[4x]+bCosh[4x]+bCosh[4x]+bCosh[4x]+bCosh[4x]+bCosh[4x]+bCosh[4x]+bCosh[4x]+bCosh[4x]+bCosh[4x]+bCosh[4x]+bCosh[4x]+bCosh[4x]+bCosh[4x]+bCosh[4x]+bCosh[4x]+bCosh[4x]+bCosh[4x]+bCosh[4x]+bCosh[4x]+bCosh[4x]+bCosh[4x]+bCosh[4x]+bCosh[4x]+bCosh[4x]+bCosh[4x]+bCosh[4x]+bCosh[4x]+bCosh[4x]+bCosh[4x]+bCosh[4x]+bCosh[4x]+bCosh[4x]+bCosh[4x]+bCosh[4x]+bCosh[4x]+bCosh[4x]+bCosh[4x]+bCosh[4x]+bCosh[4x]+bCosh[4x]+bCosh[4x]+bCosh[4x]+bCosh[4x]+bCosh[4x]+bCosh[4x]+bCosh[4x]+bCosh[4x]+bCosh[4x]+bCosh[4x]+bCosh[4x]+bCosh[4x]+bCosh[4x]+bCosh[4x]+bCosh[4x]+bCosh[4x]+bCosh[4x]+bCosh[4x]+bCosh[4x]+bCosh[4x]+bCosh[4x]+bCosh[4x]+bCosh[4x]+bCosh[4x]+bCosh[4x]+bCosh[4x]+bCosh[4x]+bCosh[4x]+bCosh[4x]+bCosh[4x]+bCosh[4x]+bCosh[4x]+bCosh[4x]+bCosh[4x]+bCosh[4x]+bCosh[4x]+bCosh[4x]+bCosh[4x]+bCosh[4x]+bCosh[4x]+bCosh[4x]+bCosh[4x]+bCosh[4x]+bCosh[4x]+bCosh[4x]+bCosh[4x]+bCosh[4x]+bCosh[4x]+bCosh[4x]+bCosh[4x]+bCosh[4x]+bCosh[4x]+bCosh[4x]+bCosh[4x]+bCosh[4x]+bCosh[4x]+bCosh[4x]+bCosh[4x]+bCosh[4x]+bCosh[4x]+bCosh[4x]+bCosh[4x]+bCosh[4x]+bCosh[4x]+bCosh[4x]+bCosh[4x]+bCosh[4x]+bCosh[4x]+bCosh[4x]+bCosh[4x]+bCosh[4x]+bCosh[4x]+bCosh[4x]+bCosh[4x]+bCosh[4x]+bCosh[4x]+bCosh[4x]+bCosh[4x]+bCosh[4x]+bCosh[4x]+bCosh[4x]+bCosh[4x]+bCosh[4x]+bCosh[4x]+bCosh[4x]+bCosh[4x]+bCosh[4x]+bCosh[4x]+bCosh[4x]+bCosh[4x]+bCosh[4x]+bCosh[4x]+bCosh[4x]+bCosh[4x]+bCosh[4x]+bCosh[4x]+bCosh[4x]+bCosh[4x]+bCosh[4x]+bCosh[4x]+bCosh[4x]+bCosh[4x]+bCosh[4x]+bCosh[4x]+bCosh[4x]+bCosh[4x]+bCosh[4x]+bCosh[4x]+bCosh[4x]+bCosh[4x]+bCosh[4x]+bCosh[4x]+bCosh[4x]+bCosh[4x]+bCosh[4x]+bCosh[4x]+b
                                                                                                                                                                            \texttt{c} \; \texttt{Cosh[4\,x]} \;) \; + \; \texttt{b} \; (3 \; \texttt{a} \; - \; \texttt{b} \; + \; 3 \; \texttt{c} \; - \; 4 \; \texttt{a} \; \texttt{Cosh[2\,x]} \; + \; 4 \; \texttt{c} \; \texttt{Cosh[2\,x]} \; + \; \texttt{a} \; \texttt{Cosh[4\,x]} \; + \; \texttt{b} \; \texttt{Cosh[4\,x]} \; + \; \texttt{c} \; \texttt{Cosh[4\,x]} \;) \; + \; \texttt{c} \; \texttt{cosh[4\,x]} \; + \; \texttt
                                                                                                                                     c (3 a - b + 3 c - 4 a Cosh[2 x] + 4 c Cosh[2 x] + a Cosh[4 x] + b Cosh[4 x] + c Cosh[4 x]))
                    2a - 2c + \sqrt{2} \sqrt{2b^2 - 8ac + a(3a - b + 3c - 4aCosh[2x] + 4cCosh[2x] + aCosh[4x] + bCosh[4x] + bCos
                                                                                                                                     c \, Cosh[\, 4 \, x \,] \,) \, + b \, (\, 3 \, a \, - b \, + \, 3 \, c \, - \, 4 \, a \, Cosh[\, 2 \, x \,] \, + \, 4 \, c \, Cosh[\, 2 \, x \,] \, + a \, Cosh[\, 4 \, x \,] \, + b \, Cosh[\, 4 \, x \,] \, + c \, Cosh[\, 4 \, x \,] \,) \, + c \, Cosh[\, 4 \, x \,] \,) \, + c \, Cosh[\, 4 \, x \,] \,) \, + c \, Cosh[\, 4 \, x \,] \,) \, + c \, Cosh[\, 4 \, x \,] \,) \, + c \, Cosh[\, 4 \, x \,] \,) \, + c \, Cosh[\, 4 \, x \,] \,) \, + c \, Cosh[\, 4 \, x \,] \,) \, + c \, Cosh[\, 4 \, x \,] \,) \, + c \, Cosh[\, 4 \, x \,] \,) \, + c \, Cosh[\, 4 \, x \,] \,) \, + c \, Cosh[\, 4 \, x \,] \,) \, + c \, Cosh[\, 4 \, x \,] \,) \, + c \, Cosh[\, 4 \, x \,] \,) \, + c \, Cosh[\, 4 \, x \,] \,) \, + c \, Cosh[\, 4 \, x \,] \,) \, + c \, Cosh[\, 4 \, x \,] \,) \, + c \, Cosh[\, 4 \, x \,] \,) \, + c \, Cosh[\, 4 \, x \,] \,) \, + c \, Cosh[\, 4 \, x \,] \,) \, + c \, Cosh[\, 4 \, x \,] \,) \, + c \, Cosh[\, 4 \, x \,] \,) \, + c \, Cosh[\, 4 \, x \,] \,) \, + c \, Cosh[\, 4 \, x \,] \,) \, + c \, Cosh[\, 4 \, x \,] \,) \, + c \, Cosh[\, 4 \, x \,] \,) \, + c \, Cosh[\, 4 \, x \,] \,) \, + c \, Cosh[\, 4 \, x \,] \,) \,
                                                                                                           (3 \text{ a} - \text{b} + 3 \text{ c} - 4 \text{ a} \text{ Cosh}[2 \text{ x}] + 4 \text{ c} \text{ Cosh}[2 \text{ x}] + \text{a} \text{ Cosh}[4 \text{ x}] + \text{b} \text{ Cosh}[4 \text{ x}] + \text{c} \text{ Cosh}[4 \text{ x}]))
                                                                      2a-2c+\sqrt{2}\sqrt{2b^2-8ac+a(3a-b+3c-4aCosh[2x]+4cCosh[2x]+aCosh[4x]+bCosh[4x]+bCosh[4x]+bCosh[4x]+bCosh[4x]+bCosh[4x]+bCosh[4x]+bCosh[4x]+bCosh[4x]+bCosh[4x]+bCosh[4x]+bCosh[4x]+bCosh[4x]+bCosh[4x]+bCosh[4x]+bCosh[4x]+bCosh[4x]+bCosh[4x]+bCosh[4x]+bCosh[4x]+bCosh[4x]+bCosh[4x]+bCosh[4x]+bCosh[4x]+bCosh[4x]+bCosh[4x]+bCosh[4x]+bCosh[4x]+bCosh[4x]+bCosh[4x]+bCosh[4x]+bCosh[4x]+bCosh[4x]+bCosh[4x]+bCosh[4x]+bCosh[4x]+bCosh[4x]+bCosh[4x]+bCosh[4x]+bCosh[4x]+bCosh[4x]+bCosh[4x]+bCosh[4x]+bCosh[4x]+bCosh[4x]+bCosh[4x]+bCosh[4x]+bCosh[4x]+bCosh[4x]+bCosh[4x]+bCosh[4x]+bCosh[4x]+bCosh[4x]+bCosh[4x]+bCosh[4x]+bCosh[4x]+bCosh[4x]+bCosh[4x]+bCosh[4x]+bCosh[4x]+bCosh[4x]+bCosh[4x]+bCosh[4x]+bCosh[4x]+bCosh[4x]+bCosh[4x]+bCosh[4x]+bCosh[4x]+bCosh[4x]+bCosh[4x]+bCosh[4x]+bCosh[4x]+bCosh[4x]+bCosh[4x]+bCosh[4x]+bCosh[4x]+bCosh[4x]+bCosh[4x]+bCosh[4x]+bCosh[4x]+bCosh[4x]+bCosh[4x]+bCosh[4x]+bCosh[4x]+bCosh[4x]+bCosh[4x]+bCosh[4x]+bCosh[4x]+bCosh[4x]+bCosh[4x]+bCosh[4x]+bCosh[4x]+bCosh[4x]+bCosh[4x]+bCosh[4x]+bCosh[4x]+bCosh[4x]+bCosh[4x]+bCosh[4x]+bCosh[4x]+bCosh[4x]+bCosh[4x]+bCosh[4x]+bCosh[4x]+bCosh[4x]+bCosh[4x]+bCosh[4x]+bCosh[4x]+bCosh[4x]+bCosh[4x]+bCosh[4x]+bCosh[4x]+bCosh[4x]+bCosh[4x]+bCosh[4x]+bCosh[4x]+bCosh[4x]+bCosh[4x]+bCosh[4x]+bCosh[4x]+bCosh[4x]+bCosh[4x]+bCosh[4x]+bCosh[4x]+bCosh[4x]+bCosh[4x]+bCosh[4x]+bCosh[4x]+bCosh[4x]+bCosh[4x]+bCosh[4x]+bCosh[4x]+bCosh[4x]+bCosh[4x]+bCosh[4x]+bCosh[4x]+bCosh[4x]+bCosh[4x]+bCosh[4x]+bCosh[4x]+bCosh[4x]+bCosh[4x]+bCosh[4x]+bCosh[4x]+bCosh[4x]+bCosh[4x]+bCosh[4x]+bCosh[4x]+bCosh[4x]+bCosh[4x]+bCosh[4x]+bCosh[4x]+bCosh[4x]+bCosh[4x]+bCosh[4x]+bCosh[4x]+bCosh[4x]+bCosh[4x]+bCosh[4x]+bCosh[4x]+bCosh[4x]+bCosh[4x]+bCosh[4x]+bCosh[4x]+bCosh[4x]+bCosh[4x]+bCosh[4x]+bCosh[4x]+bCosh[4x]+bCosh[4x]+bCosh[4x]+bCosh[4x]+bCosh[4x]+bCosh[4x]+bCosh[4x]+bCosh[4x]+bCosh[4x]+bCosh[4x]+bCosh[4x]+bCosh[4x]+bCosh[4x]+bCosh[4x]+bCosh[4x]+bCosh[4x]+bCosh[4x]+bCosh[4x]+bCosh[4x]+bCosh[4x]+bCosh[4x]+bCosh[4x]+bCosh[4x]+bCosh[4x]+bCosh[4x]+bCosh[4x]+bCosh[4x]+bCosh[4x]+bCosh[4x]+bCosh[4x]+bCosh[4x]+b
                                                                                                                                                                                           c \cosh[4x]) + b (3a - b + 3c - 4a \cosh[2x] + 4c \cosh[2x] + a \cosh[4x] + b \cosh[4x] + c \cosh[4x]) +
                                                                                                                                                  c (3 a - b + 3 c - 4 a Cosh[2 x] + 4 c Cosh[2 x] + a Cosh[4 x] + b Cosh[4 x] + c Cosh[4 x]))
              \sqrt{\left(1 + \frac{1}{2 (a + b + c)} \left(2 a - 2 c + \sqrt{2} \sqrt{2 b^2 - 8 a c + a (3 a - b + 3 c - 4 a Cosh[2 x] + 4 c Cosh
                                                                                                                                                                                           a \, Cosh[4x] + b \, Cosh[4x] + c \, Cosh[4x]) +
                                                                                                                                                 \texttt{b} \; (\texttt{3} \; \texttt{a} \; - \; \texttt{b} \; + \; \texttt{3} \; \texttt{c} \; - \; \texttt{4} \; \texttt{a} \; \texttt{Cosh}[\; 2 \; \texttt{x}\;] \; + \; \texttt{4} \; \texttt{c} \; \texttt{Cosh}[\; 2 \; \texttt{x}\;] \; + \; \texttt{a} \; \texttt{Cosh}[\; 4 \; \texttt{x}\;] \; + \; \texttt{b} \; \texttt{Cosh}[\; 4 \; \texttt{x}\;] \; + \; \texttt{c} \; \texttt{Cosh}[\; 4 \; \texttt{x}\;] \; ) \; + \; \texttt{cosh}[\; 4 \; \texttt{x}\;] \; ) \; + \; \texttt{cosh}[\; 4 \; \texttt{x}\;] \; + \; \texttt{cosh}[\; 4 \; 
                                                                                                                                                  c(3a-b+3c-4aCosh[2x]+4cCosh[2x]+aCosh[4x]+bCosh[4x]+cCosh[4x]))
                \sqrt{\,(3\,a-b+3\,c-4\,\,(a-c)\,\,Cosh[\,2\,x]\,+\,(a+b+c)\,\,Cosh[\,4\,x]\,)\,\,Csch[\,x]^{\,4}}
```

```
4 a Cosh[2x]
                                                                                            4 c Cosh[2x]
                 3 - 4 \cosh[2x] + \cosh[4x] 3 - 4 \cosh[2x] + \cosh[4x] 3 - 4 \cosh[2x] + \cosh[4x]
                                b Cosh[4x]
                                                                                   c Cosh[4 x]
                                                                                                                                            Sech[x] Sinh[3x]
                3 - 4 \cosh[2x] + \cosh[4x] 3 - 4 \cosh[2x] + \cosh[4x]
   (2\ (3\ a\ -\ b\ +\ 3\ c\ -\ 4\ a\ Cosh[\ 2\ x]\ +\ 4\ c\ Cosh[\ 2\ x]\ +\ a\ Cosh[\ 4\ x]\ +\ b\ Cosh[\ 4\ x]\ +\ c\ Cosh[\ 4\ x]\ )\ )\ )\ (\ b\ Cosh[\ 4\ x]\ )\ )\ )\ (\ b\ Cosh[\ 4\ x]\ )\ )\ )\ (\ b\ Cosh[\ 4\ x]\ )\ (\ b\ Cosh[\ 4\ x]\ )\ )\ (\ b\ Cosh[\ 4\ x]\ )\ )\ (\ b\ Cosh[\ 4\ x]\ )\ (\ b\ Cosh[\ 4\ x]\ )\ (\ b\ Cosh[\ 4\ x]\ )\ )\ (\ b\ Co
            3 - 4 \cosh[2x] + \cosh[4x] 3 - 4 \cosh[2x] + \cosh[4x] 3 - 4 \cosh[2x] + \cosh[4x]
                            4 a Cosh[2x]
                                                                                 4 c Cosh[2x]
                                                                                                                                                        a Cosh[4x]
             3 - 4 \, \text{Cosh}[\, 2 \, x] \, + \, \text{Cosh}[\, 4 \, x] \\ \phantom{3 - 4 \, \text{Cosh}[\, 2 \, x] + \text{Cosh}[\, 4 \, x]} \phantom{3 - 4 \, \text{Cosh}[\, 2 \, x] + \text{Cosh}[\, 4 \, x]} \phantom{3 - 4 \, \text{Cosh}[\, 2 \, x] + \text{Cosh}[\, 4 \, x]}
                                                                                         c Cosh[4x]
                             b Cosh[4x]
                                                                                                                                          Sech[x] Sinh[3x]
             3 - 4 \cosh[2x] + \cosh[4x] 3 - 4 \cosh[2x] + \cosh[4x]
(a (3 a - b + 3 c - 4 a Cosh[2x] + 4 c Cosh[2x] + a Cosh[4x] + b Cosh[4x] + c Cosh[4x])) +
      (3-4 \cosh[2 x] + \cosh[4 x] - 3-4 \cosh[2 x] + \cosh[4 x] - 3-4 \cosh[4 x]
                            4 a Cosh[2 x]
                                                                                 4 c Cosh[2x]
                                                                                                                                                        a Cosh[4 x]
             3 - 4 \; Cosh[\, 2 \; x] \; + \; Cosh[\, 4 \; x] \qquad 3 - 4 \; Cosh[\, 2 \; x] \; + \; Cosh[\, 4 \; x] \qquad 3 - 4 \; Cosh[\, 2 \; x] \; + \; Cosh[\, 4 \; x]
                                                                                         c Cosh[4x]
                           b Cosh[4x]
                                                                                                                                         Sech[x] Sinh[5x] /
             3 - 4 \cosh[2x] + \cosh[4x] 3 - 4 \cosh[2x] + \cosh[4x]
(2 (3 a - b + 3 c - 4 a Cosh[2 x] + 4 c Cosh[2 x] + a Cosh[4 x] + b Cosh[4 x] + c Cosh[4 x])) +
            3 - 4 \cosh[2x] + \cosh[4x] 3 - 4 \cosh[2x] + \cosh[4x] 3 - 4 \cosh[2x] + \cosh[4x]
                            4 a Cosh[2 x]
                                                                                          4 c Cosh[2x]
                                                                                                                                                           a Cosh[4x]
             3 - 4 \; Cosh[\, 2 \; x] \; + \; Cosh[\, 4 \; x] \qquad 3 - 4 \; Cosh[\, 2 \; x] \; + \; Cosh[\, 4 \; x] \qquad 3 - 4 \; Cosh[\, 2 \; x] \; + \; Cosh[\, 4 \; x]
                             b Cosh[4x]
                                                                                         c Cosh[4x]
                                                                                                                                         Tanh[x]
              3 - 4 \cosh[2x] + \cosh[4x] 3 - 4 \cosh[2x] + \cosh[4x]
(3 \ a - b + 3 \ c - 4 \ a \ Cosh[2 \ x] \ + 4 \ c \ Cosh[2 \ x] \ + a \ Cosh[4 \ x] \ + b \ Cosh[4 \ x] \ + c \ Cosh[4 \ x]) \ -
                                                                                                       b
               3 - 4 \cosh[2x] + \cosh[4x] 3 - 4 \cosh[2x] + \cosh[4x] 3 - 4 \cosh[2x] + \cosh[4x]
                            4 a Cosh[2 x]
                                                                                       4 c Cosh[2x]
                                                                                                                                                         a Cosh[4x]
             3 - 4 \cosh[2x] + \cosh[4x] 3 - 4 \cosh[2x] + \cosh[4x] 3 - 4 \cosh[2x] + \cosh[4x]
                             b Cosh[4x]
                                                                                            c Cosh[4x]
                                                                                                                                          Tanh[x]
              3 - 4 \cosh[2x] + \cosh[4x] 3 - 4 \cosh[2x] + \cosh[4x]
(a\ (3\ a-b+3\ c-4\ a\ Cosh[2\ x]\ +4\ c\ Cosh[2\ x]\ +a\ Cosh[4\ x]\ +b\ Cosh[4\ x]\ +c\ Cosh[4\ x]\ )\ )
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 \texttt{a} \, \texttt{Cosh[2\,x]} \, \, (\texttt{-8\,a} \, \texttt{Cosh[2\,x]} \, + \texttt{8\,c} \, \texttt{Cosh[2\,x]} \, + \texttt{8\,a} \, \texttt{Cosh[4\,x]} \, + \texttt{8\,b} \, \texttt{Cosh[4\,x]} \, + \texttt{8\,c} \, \texttt{Cosh[4\,x]} \, ) \\
                                    (3 a - b + 3 c - 4 (a - c) Cosh[2x] + (a + b + c) Cosh[4x])
                                    2 a \sqrt{3 a - b + 3 c - 4 a Cosh[2 x] + 4 c Cosh[2 x] + a Cosh[4 x] + b Cosh[4 x] + c Cosh[4 x]} +
                                                    2 b \sqrt{3 a - b + 3 c - 4 a \cosh[2 x] + 4 c \cosh[2 x] + a \cosh[4 x] + b \cosh[4 x] + c \cosh[4 x]}
                                                    2 c \sqrt{3} a - b + 3 c - 4 a \cosh[2x] + 4 c \cosh[2x] + a \cosh[4x] + b \cosh[4x] + c \cosh[4x]
                                \sqrt{\left(\frac{1}{a+b+c}\left(4\,a+2\,b+\sqrt{2}\,\sqrt{\left(2\,b^2-8\,a\,c+a\,\left(3\,a-b+3\,c-4\,a\,Cosh[2\,x]+4\,c\,Cosh[2\,x]+a\,Cosh[4\,x]+b\,Cosh[4\,x]\right.\right)}\right)}
                                                                                                                                                   c \, Cosh[4\,x]\,) \, + b \, (3\,a-b+3\,c-4\,a\,Cosh[2\,x]\, + 4\,c\,Cosh[2\,x]\, + a\,Cosh[4\,x]\, + b\,Cosh[4\,x]\, + c\,Cosh[4\,x]\,) \, + c\,Cosh[4\,x]\, + c\,Cosh[
                                                                                                                          c (3 a - b + 3 c - 4 a Cosh[2 x] + 4 c Cosh[2 x] + a Cosh[4 x] + b Cosh[4 x] + c Cosh[4 x]))
                                                                                                                    \frac{ \text{ArcTanh} \Big[ \, \frac{\sqrt{3\, \text{a-b+3}\, \text{c-4}\, \text{a}\, \text{Cosh}[\, 2\, \text{x}\,] + \text{d}\, \text{c}\, \text{Cosh}[\, 4\, \text{x}\,] + \text{d}\, \text{Cosh}[\, 4\, \text{x}\,] + \text{d}\, \text{Cosh}[\, 4\, \text{x}\,] + \text{d}\, \text{Cosh}[\, 4\, \text{x}\,] }{2\, \sqrt{2} \, \sqrt{\text{a}}} \Big] }{\sqrt{\text{a}}}
                                                   \frac{1}{\sqrt{a}} \operatorname{ArcTanh} \left[ \left( (2 a + b) \sqrt{3 a - b + 3 c - 4 a \cosh[2 x] + 4 c \cosh[2 x] + a \cosh[4 x] + b \cosh[4 x] + b \cosh[4 x] + c \cosh[4 x]} \right) \right/ \frac{1}{\sqrt{a}} \operatorname{ArcTanh} \left[ \left( (2 a + b) \sqrt{3 a - b + 3 c - 4 a \cosh[2 x] + 4 c \cosh[2 x] + a \cosh[4 x] + b \cosh[4 x] + b \cosh[4 x] + b \cosh[4 x] + c \cosh[4 x] + c \cosh[4 x] \right) \right]
                                                                                   \left(2\sqrt{a}\sqrt{(2b^2-8ac+a(3a-b+3c-4aCosh[2x]+4cCosh[2x]+aCosh[4x]+bCosh[4x]+cCosh[4x])+aCosh[4x]+bCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aC
                                                                                                                                      b \; (3\; a - b + 3\; c - 4\; a\; Cosh[\, 2\; x] \; + \; 4\; c\; Cosh[\, 2\; x] \; + \; a\; Cosh[\, 4\; x] \; + \; b\; Cosh[\, 4\; x] \; + \; c\; Cosh[\, 4\; x] \; ) \; + \; c\; Cosh[\, 4\; x] \; ) \; + \; c\; Cosh[\, 4\; x] \; ) \; + \; c\; Cosh[\, 4\; x] \; ) \; + \; c\; Cosh[\, 4\; x] \; ) \; + \; c\; Cosh[\, 4\; x] \; ) \; + \; c\; Cosh[\, 4\; x] \; ) \; + \; c\; Cosh[\, 4\; x] \; ) \; + \; c\; Cosh[\, 4\; x] \; ) \; + \; c\; Cosh[\, 4\; x] \; ) \; + \; c\; Cosh[\, 4\; x] \; ) \; + \; c\; Cosh[\, 4\; x] \; ) \; + \; c\; Cosh[\, 4\; x] \; ) \; + \; c\; Cosh[\, 4\; x] \; ) \; + \; c\; Cosh[\, 4\; x] \; ) \; + \; c\; Cosh[\, 4\; x] \; ) \; + \; c\; Cosh[\, 4\; x] \; ) \; + \; c\; Cosh[\, 4\; x] \; ) \; + \; c\; Cosh[\, 4\; x] \; ) \; + \; c\; Cosh[\, 4\; x] \; ) \; + \; c\; Cosh[\, 4\; x] \; ) \; + \; c\; Cosh[\, 4\; x] \; ) \; + \; c\; Cosh[\, 4\; x] \; ) \; + \; c\; Cosh[\, 4\; x] \; ) \; + \; c\; Cosh[\, 4\; x] \; ) \; + \; c\; Cosh[\, 4\; x] \; ) \; + \; c\; Cosh[\, 4\; x] \; ) \; + \; c\; Cosh[\, 4\; x] \; ) \; + \; c\; Cosh[\, 4\; x] \; ) \; + \; c\; Cosh[\, 4\; x] \; ) \; + \; c\; Cosh[\, 4\; x] \; ) \; + \; c\; Cosh[\, 4\; x] \; ) \; + \; c\; Cosh[\, 4\; x] \; ) \; + \; c\; Cosh[\, 4\; x] \; ) \; + \; c\; Cosh[\, 4\; x] \; ) \; + \; c\; Cosh[\, 4\; x] \; ) \; + \; c\; Cosh[\, 4\; x] \; ) \; + \; c\; Cosh[\, 4\; x] \; ) \; + \; c\; Cosh[\, 4\; x] \; ) \; + \; c\; Cosh[\, 4\; x] \; ) \; + \; c\; Cosh[\, 4\; x] \; ) \; + \; c\; Cosh[\, 4\; x] \; ) \; + \; c\; Cosh[\, 4\; x] \; ) \; + \; c\; Cosh[\, 4\; x] \; ) \; + \; c\; Cosh[\, 4\; x] \; ) \; + \; c\; Cosh[\, 4\; x] \; ) \; + \; c\; Cosh[\, 4\; x] \; ) \; + \; c\; Cosh[\, 4\; x] \; ) \; + \; c\; Cosh[\, 4\; x] \; ) \; + \; c\; Cosh[\, 4\; x] \; ) \; + \; c\; Cosh[\, 4\; x] \; ) \; + \; c\; Cosh[\, 4\; x] \; ) \; + \; c\; Cosh[\, 4\; x] \; ) \; + \; c\; Cosh[\, 4\; x] \; ) \; + \; c\; Cosh[\, 4\; x] \; ) \; + \; c\; Cosh[\, 4\; x] \; ) \; + \; c\; Cosh[\, 4\; x] \; ) \; + \; c\; Cosh[\, 4\; x] \; ) \; + \; c\; Cosh[\, 4\; x] \; ) \; + \; c\; Cosh[\, 4\; x] \; ) \; + \; c\; Cosh[\, 4\; x] \; ) \; + \; c\; Cosh[\, 4\; x] \; ) \; + \; c\; Cosh[\, 4\; x] \; + \; c\; Cosh[\, 4\; x] \; ) \; + \; c\; Cosh[\, 4\; x] \; + \; c\; Cosh[\, 4\; x] \; ) \; + \; c\; Cosh[\, 4\; x] \; + 
                                                                                                                                    c(3a-b+3c-4aCosh[2x]+4cCosh[2x]+aCosh[4x]+bCosh[4x]+cCosh[4x])))
                                                    \frac{1}{\sqrt{a+b+c}} 2 \log \left[ 2 \left( a \sqrt{3 a-b+3 c-4 a \cosh[2 x]+4 c \cosh[2 x]+a \cosh[4 x]+b \cosh[4 x]+b \cosh[4 x]+c \cosh[4 x]} \right) \right] + \frac{1}{\sqrt{a+b+c}} 
                                                                                                                b\sqrt{3}a-b+3c-4a\cosh[2x]+4c\cosh[2x]+a\cosh[4x]+b\cosh[4x]+c\cosh[4x]+c\cosh[4x]+c
                                                                                                                          \sqrt{3} a - b + 3 c - 4 a Cosh[2 x] + 4 c Cosh[2 x] + a Cosh[4 x] + b Cosh[4 x] + c Cosh[4 x] + \sqrt{a + b + c}
                                                                                                                           \sqrt{(2b^2 - 8ac + a(3a - b + 3c - 4aCosh[2x] + 4cCosh[2x] + aCosh[4x] + bCosh[4x] + cCosh[4x])} + cCosh[4x] + cCos
                                                                                                                                                        \texttt{b} \; (3 \; \texttt{a} \; - \; \texttt{b} \; + \; 3 \; \texttt{c} \; - \; 4 \; \texttt{a} \; \texttt{Cosh}[\; 2 \; \texttt{x}\;] \; + \; 4 \; \texttt{c} \; \texttt{Cosh}[\; 2 \; \texttt{x}\;] \; + \; \texttt{a} \; \texttt{Cosh}[\; 4 \; \texttt{x}\;] \; + \; \texttt{b} \; \texttt{Cosh}[\; 4 \; \texttt{x}\;] \; + \; \texttt{c} \; \texttt{Cosh}[\; 4 \; \texttt{x}\;] \; ) \; + \; \texttt{cosh}[\; 4 \; \texttt{x}\;] \; + \; \texttt{c
                                                                                                                                                         c (3 a - b + 3 c - 4 a Cosh[2 x] + 4 c Cosh[2 x] + a Cosh[4 x] + b Cosh[4 x] + c Cosh[4 x]))
                                          \frac{ \text{a Coth[2x] Sinh[x]}^2 }{\sqrt{3 \text{a-b+3c-4 (a-c) Cosh[2x] + (a+b+c) Cosh[4x]}}} - \\
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                \frac{1}{\sqrt{3 \, a - b + 3 \, c - 4 \, (a - c) \, Cosh[2 \, x] + (a + b + c) \, Cosh[4 \, x]}}
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b \operatorname{Csch}[2x] \operatorname{Sinh}[x]^2
32 \; (-a+b+a \; Cosh[\, 2 \; x]\,\,) \; \sqrt{3 \; a-b+3 \; c-4 \; a \; Cosh[\, 2 \; x] \; + \; 4 \; c \; Cosh[\, 2 \; x] \; + \; a \; Cosh[\, 4 \; x] \; + \; b \; Cosh[\, 4 \; x] \; + \; c \; Cosh[\, 4 \; x] \; + \; b \; Cosh[\, 4 \; x] \; + \; b \; Cosh[\, 4 \; x] \; + \; b \; Cosh[\, 4 \; x] \; + \; b \; Cosh[\, 4 \; x] \; + \; b \; Cosh[\, 4 \; x] \; + \; b \; Cosh[\, 4 \; x] \; + \; b \; Cosh[\, 4 \; x] \; + \; b \; Cosh[\, 4 \; x] \; + \; b \; Cosh[\, 4 \; x] \; + \; b \; Cosh[\, 4 \; x] \; + \; b \; Cosh[\, 4 \; x] \; + \; b \; Cosh[\, 4 \; x] \; + \; b \; Cosh[\, 4 \; x] \; + \; b \; Cosh[\, 4 \; x] \; + \; b \; Cosh[\, 4 \; x] \; + \; b \; Cosh[\, 4 \; x] \; + \; b \; Cosh[\, 4 \; x] \; + \; b \; Cosh[\, 4 \; x] \; + \; b \; Cosh[\, 4 \; x] \; + \; b \; Cosh[\, 4 \; x] \; + \; b \; Cosh[\, 4 \; x] \; + \; b \; Cosh[\, 4 \; x] \; + \; b \; Cosh[\, 4 \; x] \; + \; b \; Cosh[\, 4 \; x] \; + \; b \; Cosh[\, 4 \; x] \; + \; b \; Cosh[\, 4 \; x] \; + \; b \; Cosh[\, 4 \; x] \; + \; b \; Cosh[\, 4 \; x] \; + \; b \; Cosh[\, 4 \; x] \; + \; b \; Cosh[\, 4 \; x] \; + \; b \; Cosh[\, 4 \; x] \; + \; b \; Cosh[\, 4 \; x] \; + \; b \; Cosh[\, 4 \; x] \; + \; b \; Cosh[\, 4 \; x] \; + \; b \; Cosh[\, 4 \; x] \; + \; b \; Cosh[\, 4 \; x] \; + \; b \; Cosh[\, 4 \; x] \; + \; b \; Cosh[\, 4 \; x] \; + \; b \; Cosh[\, 4 \; x] \; + \; b \; Cosh[\, 4 \; x] \; + \; b \; Cosh[\, 4 \; x] \; + \; b \; Cosh[\, 4 \; x] \; + \; b \; Cosh[\, 4 \; x] \; + \; b \; Cosh[\, 4 \; x] \; + \; b \; Cosh[\, 4 \; x] \; + \; b \; Cosh[\, 4 \; x] \; + \; b \; Cosh[\, 4 \; x] \; + \; b \; Cosh[\, 4 \; x] \; + \; b \; Cosh[\, 4 \; x] \; + \; b \; Cosh[\, 4 \; x] \; + \; b \; Cosh[\, 4 \; x] \; + \; b \; Cosh[\, 4 \; x] \; + \; b \; Cosh[\, 4 \; x] \; + \; b \; Cosh[\, 4 \; x] \; + \; b \; Cosh[\, 4 \; x] \; + \; b \; Cosh[\, 4 \; x] \; + \; b \; Cosh[\, 4 \; x] \; + \; b \; Cosh[\, 4 \; x] \; + \; b \; Cosh[\, 4 \; x] \; + \; b \; Cosh[\, 4 \; x] \; + \; b \; Cosh[\, 4 \; x] \; + \; b \; Cosh[\, 4 \; x] \; + \; b \; Cosh[\, 4 \; x] \; + \; b \; Cosh[\, 4 \; x] \; + \; b \; Cosh[\, 4 \; x] \; + \; b \; Cosh[\, 4 \; x] \; + \; b \; Cosh[\, 4 \; x] \; + \; b \; Cosh[\, 4 \; x] \; + \; b \; Cosh[\, 4 \; x] \; + \; b \; Cosh[\, 4 \; x] \; + \; b \; Cosh[\, 4 \; x] \; + \; b \; Cosh[\, 4 \; x] \; + \; b \; Cosh[\, 4 \; x] \; + \; b \; Cosh[\, 4 \; x] \; + \; b \; Cosh[\, 4 \; x] \; + \; b \; Cosh[\, 4 \; x] \; + \; b \; Cosh[\, 4 \; x] \; + \; b \; Cosh[\, 4 \; x] 
                \sqrt{\left(2\,b^2-8\,a\,c+a\,\left(3\,a-b+3\,c-4\,a\,Cosh[2\,x]+4\,c\,Cosh[2\,x]+a\,Cosh[4\,x]+b\,Cosh[4\,x]+c\,Cosh[4\,x]\right)}
                                                      b\ (3\ a-b+3\ c-4\ a\ Cosh[2\ x]\ +\ 4\ c\ Cosh[2\ x]\ +\ a\ Cosh[4\ x]\ +\ b\ Cosh[4\ x]\ +\ c\ Cosh[4\ x]\ )\ +
                                                       \texttt{c} \; (3 \; \texttt{a} \; - \; \texttt{b} \; + \; 3 \; \texttt{c} \; - \; 4 \; \texttt{a} \; \texttt{Cosh}[\; 2 \; \texttt{x}] \; + \; 4 \; \texttt{c} \; \texttt{Cosh}[\; 2 \; \texttt{x}] \; + \; \texttt{a} \; \texttt{Cosh}[\; 4 \; \texttt{x}] \; + \; \texttt{b} \; \texttt{Cosh}[\; 4 \; \texttt{x}] \; + \; \texttt{b} \; \texttt{Cosh}[\; 4 \; \texttt{x}] \; ) \; )
                c \cosh[4x]) + b (3a - b + 3c - 4a \cosh[2x] + 4c \cosh[2x] + a \cosh[4x] + b \cosh[4x] + c \cosh[4x]) +
                                                                                                                                  c (3 a - b + 3 c - 4 a Cosh[2 x] + 4 c Cosh[2 x] + a Cosh[4 x] + b Cosh[4 x] + c Cosh[4 x]))
                     \left(2\,\text{a} - 2\,\text{c} + \sqrt{2}\,\sqrt{\left(2\,\text{b}^2 - 8\,\text{a}\,\text{c} + \text{a}\,\left(3\,\text{a} - \text{b} + 3\,\text{c} - 4\,\text{a}\,\text{Cosh}[2\,\text{x}] + 4\,\text{c}\,\text{Cosh}[2\,\text{x}] + \text{a}\,\text{Cosh}[4\,\text{x}] + \text{b}\,\text{Cosh}[4\,\text{x}] + \text{c}\,\text{Cosh}[4\,\text{x}]\right) + \left(2\,\text{b}^2 - 8\,\text{a}\,\text{c} + \text{a}\,\left(3\,\text{a} - \text{b} + 3\,\text{c} - 4\,\text{a}\,\text{Cosh}[2\,\text{x}] + 4\,\text{c}\,\text{Cosh}[2\,\text{x}] + \text{a}\,\text{Cosh}[4\,\text{x}] + \text{b}\,\text{Cosh}[4\,\text{x}] + \text{c}\,\text{Cosh}[4\,\text{x}]\right) + \left(2\,\text{b}^2 - 8\,\text{a}\,\text{c} + \text{a}\,\left(3\,\text{a} - \text{b} + 3\,\text{c} - 4\,\text{a}\,\text{Cosh}[2\,\text{x}] + 4\,\text{c}\,\text{Cosh}[2\,\text{x}] + \text{a}\,\text{Cosh}[4\,\text{x}] + \text{b}\,\text{Cosh}[4\,\text{x}] + \text{c}\,\text{Cosh}[4\,\text{x}]\right) + \left(2\,\text{c}\,\text{c}^2 - 4\,\text{c}\,\text{c}^2 + 4\,\text
                                                                                          c(3a-b+3c-4aCosh[2x]+4cCosh[2x]+aCosh[4x]+bCosh[4x]+cCosh[4x]))
                \sqrt{\left[-1 + \frac{1}{2(a+b+c)} \left(2 a - 2 c + \sqrt{2} \sqrt{(2b^2 - 8 a c + a (3 a - b + 3 c - 4 a Cosh[2x] + 4 c Cosh[2x] + a Cosh[4x] + a Cosh[4x]
                                                                                                                                                                                       b \, Cosh[4\,x] \, + c \, Cosh[4\,x] \, ) \, + b \, (3\,a - b + 3\,c - 4\,a \, Cosh[2\,x] \, + 4\,c \, Cosh[2\,x] \, + a \, Cosh[4\,x] \, + b \, Cosh[4\,x] \, +
                                                                                                                                                                                     \texttt{cCosh[4\,x])} + \texttt{c} \; (3\,\texttt{a} - \texttt{b} + 3\,\texttt{c} - 4\,\texttt{aCosh[2\,x]} + 4\,\texttt{cCosh[2\,x]} + \texttt{aCosh[4\,x]} + \texttt{bCosh[4\,x]} + \texttt{bCosh[4\,x]} + \texttt{cCosh[4\,x]}) \Big)^{-1} + \texttt{cCosh[4\,x]} + \texttt{cCosh[4\,x]}
                \sqrt{\left[1 + \frac{1}{2(a+b+c)} \left[2a-2c+\sqrt{2}\sqrt{2b^2-8ac+a(3a-b+3c-4a\cosh[2x]+4c\cosh[2x]+a\cosh[4x]+a\cosh[4x]+a\cosh[4x]+a\cosh[4x]+a\cosh[4x]+a\cosh[4x]+a\cosh[4x]+a\cosh[4x]+a\cosh[4x]+a\cosh[4x]+a\cosh[4x]+a\cosh[4x]+a\cosh[4x]+a\cosh[4x]+a\cosh[4x]+a\cosh[4x]+a\cosh[4x]+a\cosh[4x]+a\cosh[4x]+a\cosh[4x]+a\cosh[4x]+a\cosh[4x]+a\cosh[4x]+a\cosh[4x]+a\cosh[4x]+a\cosh[4x]+a\cosh[4x]+a\cosh[4x]+a\cosh[4x]+a\cosh[4x]+a\cosh[4x]+a\cosh[4x]+a\cosh[4x]+a\cosh[4x]+a\cosh[4x]+ah[4x]+ah[4x]+ah[4x]+ah[4x]+ah[4x]+ah[4x]+ah[4x]+ah[4x]+ah[4x]+ah[4x]+ah[4x]+ah[4x]+ah[4x]+ah[4x]+ah[4x]+ah[4x]+ah[4x]+ah[4x]+ah[4x]+ah[4x]+ah[4x]+ah[4x]+ah[4x]+ah[4x]+ah[4x]+ah[4x]+ah[4x]+ah[4x]+ah[4x]+ah[4x]+ah[4x]+ah[4x]+ah[4x]+ah[4x]+ah[4x]+ah[4x]+ah[4x]+ah[4x]+ah[4x]+ah[4x]+ah[4x]+ah[4x]+ah[4x]+ah[4x]+ah[4x]+ah[4x]+ah[4x]+ah[4x]+ah[4x]+ah[4x]+ah[4x]+ah[4x]+ah[4x]+ah[4x]+ah[4x]+ah[4x]+ah[4x]+ah[4x]+ah[4x]+ah[4x]+ah[4x]+ah[4x]+ah[4x]+ah[4x]+ah[4x]+ah[4x]+ah[4x]+ah[4x]+ah[4x]+ah[4x]+ah[4x]+ah[4x]+ah[4x]+ah[4x]+ah[4x]+ah[4x]+ah[4x]+ah[4x]+ah[4x]+ah[4x]+ah[4x]+ah[4x]+ah[4x]+ah[4x]+ah[4x]+ah[4x]+ah[4x]+ah[4x]+ah[4x]+ah[4x]+ah[4x]+ah[4x]+ah[4x]+ah[4x]+ah[4x]+ah[4x]+ah[4x]+ah[4x]+ah[4x]+ah[4x]+ah[4x]+ah[4x]+ah[4x]+ah[4x]+ah[4x]+ah[4x]+ah[4x]+ah[4x]+ah[4x]+ah[4x]+ah[4x]+ah[4x]+ah[4x]+ah[4x]+ah[4x]+ah[4x]+ah[4x]+ah[4x]+ah[4x]+ah[4x]+ah[4x]+ah[4x]+ah[4x]+ah[4x]+ah[4x]+ah[4x]+ah[4x]+ah[4x]+ah[4x]+ah[4x]+ah[4x]+ah[4x]+ah[4x]+ah[4x]+ah[4x]+ah[4x]+ah[4x]+ah[4x]+ah[4x]+ah[4x]+ah[4x]+ah[4x]+ah[4x]+ah[4x]+ah[4x]+ah[4x]+ah[4x]+ah[4x]+ah[4x]+ah[4x]+ah[4x]+ah[4x]+ah[4x]+ah[4x]+ah[4x]+ah[4x]+ah[4x]+ah[4x]+ah[4x]+ah[4x]+ah[4x]+ah[4x]+ah[4x]+ah[4x]+ah[4x]+ah[4x]+ah[4x]+ah[4x]+ah[4x]+ah[4x]+ah[4x]+ah[4x]+ah[4x]+ah[4x]+ah[4x]+ah[4x]+ah[4x]+ah[4x]+ah[4x]+ah[4x]+ah[4x]+ah[4x]+ah[4x]+ah[4x]+ah[4x]+ah[4x]+ah[4x]+ah[4x]+ah[4x]+ah[4x]+ah[4x]+ah[4x]+ah[4x]+ah[4x]+ah[4x]+ah[4x]+ah[4x]+ah[4x]+ah[4x]+ah[4x]+ah[4x]+ah[4x]+ah[4x]+ah[4x]+ah[4x]+ah[4x]+ah[4x]+ah[4x]+ah[4x]+ah[4x]+ah[4x]+ah[4x]+ah[4x]+ah[4x]+ah[4x]+ah[4x]+ah[4x]+ah[4x]+ah[4x]+ah[4x]+ah[4x]+ah[4x]+ah[4x]+ah[4x]+ah[4x]+ah[4x]+ah[4x]+ah[4x]+ah[4x]+ah[4x]+ah[4x]+ah[4x]+ah[4x]+ah[4x]+ah[4x]+ah[4x]+ah[4x]+ah[4x]+ah[4x]+ah[4x]+ah[4x]+ah[4x]+ah[4x]+ah[4x]+ah[4x]+ah[4x]+ah[4x
                                                                                                                                                                                     b\, \texttt{Cosh}\,[\,4\,\,x]\,\,+\,c\, \texttt{Cosh}\,[\,4\,\,x]\,\,)\,\,+\,b\,\,(\,3\,\,a\,\,-\,\,b\,\,+\,3\,\,c\,\,-\,\,4\,\,a\,\,\texttt{Cosh}\,[\,2\,\,x]\,\,+\,4\,\,c\,\,\texttt{Cosh}\,[\,2\,\,x]\,\,+\,a\,\,\texttt{Cosh}\,[\,4\,\,x]\,\,+\,b\,\,\texttt{Cosh}\,[\,4\,\,x]\,\,+\,b\,\,\texttt{Cosh}\,[\,4\,\,x]\,\,+\,b\,\,\texttt{Cosh}\,[\,4\,\,x]\,\,+\,b\,\,\texttt{Cosh}\,[\,4\,\,x]\,\,+\,b\,\,\texttt{Cosh}\,[\,4\,\,x]\,\,+\,b\,\,\texttt{Cosh}\,[\,4\,\,x]\,\,+\,b\,\,\texttt{Cosh}\,[\,4\,\,x]\,\,+\,b\,\,\texttt{Cosh}\,[\,4\,\,x]\,\,+\,b\,\,\texttt{Cosh}\,[\,4\,\,x]\,\,+\,b\,\,\texttt{Cosh}\,[\,4\,\,x]\,\,+\,b\,\,\texttt{Cosh}\,[\,4\,\,x]\,\,+\,b\,\,\texttt{Cosh}\,[\,4\,\,x]\,\,+\,b\,\,\texttt{Cosh}\,[\,4\,\,x]\,\,+\,b\,\,\texttt{Cosh}\,[\,4\,\,x]\,\,+\,b\,\,\texttt{Cosh}\,[\,4\,\,x]\,\,+\,b\,\,\texttt{Cosh}\,[\,4\,\,x]\,\,+\,b\,\,\texttt{Cosh}\,[\,4\,\,x]\,\,+\,b\,\,\texttt{Cosh}\,[\,4\,\,x]\,\,+\,b\,\,\texttt{Cosh}\,[\,4\,\,x]\,\,+\,b\,\,\texttt{Cosh}\,[\,4\,\,x]\,\,+\,b\,\,\texttt{Cosh}\,[\,4\,\,x]\,\,+\,b\,\,\texttt{Cosh}\,[\,4\,\,x]\,\,+\,b\,\,\texttt{Cosh}\,[\,4\,\,x]\,\,+\,b\,\,\texttt{Cosh}\,[\,4\,\,x]\,\,+\,b\,\,\texttt{Cosh}\,[\,4\,\,x]\,\,+\,b\,\,\texttt{Cosh}\,[\,4\,\,x]\,\,+\,b\,\,\texttt{Cosh}\,[\,4\,\,x]\,\,+\,b\,\,\texttt{Cosh}\,[\,4\,\,x]\,\,+\,b\,\,\texttt{Cosh}\,[\,4\,\,x]\,\,+\,b\,\,\texttt{Cosh}\,[\,4\,\,x]\,\,+\,b\,\,\texttt{Cosh}\,[\,4\,\,x]\,\,+\,b\,\,\texttt{Cosh}\,[\,4\,\,x]\,\,+\,b\,\,\texttt{Cosh}\,[\,4\,\,x]\,\,+\,b\,\,\texttt{Cosh}\,[\,4\,\,x]\,\,+\,b\,\,\texttt{Cosh}\,[\,4\,\,x]\,\,+\,b\,\,\texttt{Cosh}\,[\,4\,\,x]\,\,+\,b\,\,\texttt{Cosh}\,[\,4\,\,x]\,\,+\,b\,\,\texttt{Cosh}\,[\,4\,\,x]\,\,+\,b\,\,\texttt{Cosh}\,[\,4\,\,x]\,\,+\,b\,\,\texttt{Cosh}\,[\,4\,\,x]\,\,+\,b\,\,\texttt{Cosh}\,[\,4\,\,x]\,\,+\,b\,\,\texttt{Cosh}\,[\,4\,\,x]\,\,+\,b\,\,\texttt{Cosh}\,[\,4\,\,x]\,\,+\,b\,\,\texttt{Cosh}\,[\,4\,\,x]\,\,+\,b\,\,\texttt{Cosh}\,[\,4\,\,x]\,\,+\,b\,\,\texttt{Cosh}\,[\,4\,\,x]\,\,+\,b\,\,\texttt{Cosh}\,[\,4\,\,x]\,\,+\,b\,\,\texttt{Cosh}\,[\,4\,\,x]\,\,+\,b\,\,\texttt{Cosh}\,[\,4\,\,x]\,\,+\,b\,\,\texttt{Cosh}\,[\,4\,\,x]\,\,+\,b\,\,\texttt{Cosh}\,[\,4\,\,x]\,\,+\,b\,\,\texttt{Cosh}\,[\,4\,\,x]\,\,+\,b\,\,\texttt{Cosh}\,[\,4\,\,x]\,\,+\,b\,\,\texttt{Cosh}\,[\,4\,\,x]\,\,+\,b\,\,\texttt{Cosh}\,[\,4\,\,x]\,\,+\,b\,\,\texttt{Cosh}\,[\,4\,\,x]\,\,+\,b\,\,\texttt{Cosh}\,[\,4\,\,x]\,\,+\,b\,\,\texttt{Cosh}\,[\,4\,\,x]\,\,+\,b\,\,\texttt{Cosh}\,[\,4\,\,x]\,\,+\,b\,\,\texttt{Cosh}\,[\,4\,\,x]\,\,+\,b\,\,\texttt{Cosh}\,[\,4\,\,x]\,\,+\,b\,\,\texttt{Cosh}\,[\,4\,\,x]\,\,+\,b\,\,\texttt{Cosh}\,[\,4\,\,x]\,\,+\,b\,\,\texttt{Cosh}\,[\,4\,\,x]\,\,+\,b\,\,\texttt{Cosh}\,[\,4\,\,x]\,\,+\,b\,\,\texttt{Cosh}\,[\,4\,\,x]\,\,+\,b\,\,\texttt{Cosh}\,[\,4\,\,x]\,\,+\,b\,\,\texttt{Cosh}\,[\,4\,\,x]\,\,+\,b\,\,\texttt{Cosh}\,[\,4\,\,x]\,\,+\,b\,\,\texttt{Cosh}\,[\,4\,\,x]\,\,+\,b\,\,\texttt{Cosh}\,[\,4\,\,x]\,\,+\,b\,\,\texttt{Cosh}\,[\,4\,\,x]\,\,+\,b\,\,\texttt{Cosh}\,[\,4\,\,x]\,\,+\,b\,\,\texttt{Cosh}\,[\,4\,\,x]\,\,+\,b\,\,\texttt{Cosh}\,[\,4\,\,x]\,\,+\,b\,\,\texttt{Cosh}\,[\,4\,\,x]\,\,+\,b\,\,\texttt{Cosh}\,[\,4\,\,x]\,\,+\,b\,\,\texttt{Cosh}\,[\,4\,\,x]\,\,+\,b\,\,\texttt{Cosh}\,[\,4\,\,x]\,\,+\,b\,\,\texttt{Cosh}\,[\,4\,\,x]\,\,+\,b\,\,\texttt{Cosh}\,[\,4\,\,x]\,\,+\,b\,\,\texttt{Cosh}\,[\,4\,\,x]\,\,+\,b\,\,\texttt{Cosh}\,[\,4\,\,x]\,\,+\,b\,\,\texttt{Cosh}\,[\,4\,\,x]\,\,+\,b\,\,\texttt{Cosh}\,[\,4\,\,x]\,\,+\,b\,\,\texttt{Cosh}\,[\,4\,\,x]\,\,+\,b\,\,\texttt{
                                                                                                                                                                                       c \, Cosh[4 \, x]) + c \, (3 \, a - b + 3 \, c - 4 \, a \, Cosh[2 \, x] + 4 \, c \, Cosh[2 \, x] + a \, Cosh[4 \, x] + b \, Cosh[4 \, x] + c \, Cosh[4 \, x]))
                  \sqrt{(3 \, a - b + 3 \, c - 4 \, (a - c) \, Cosh[2 \, x] + (a + b + c) \, Cosh[4 \, x])} \, Csch[x]^{4} \, - \, \left| (-a + b) \, (1 + Cosh[2 \, x]) \right|
                    (3 a - b + 3 c - 4 (a - c) Cosh[2x] + (a + b + c) Cosh[4x])
                                             3a - b + 3c + (-4a + 4c) Cosh[2x] + (a + b + c) Cosh[4x]
                                                                                                                                                                                                                                                          (1 + Cosh[2x])^2
                  Coth[x]2
                Csch[x]^2
                  Log[b+2 a Tanh[x]^2 + 2 \sqrt{a} \sqrt{c+b Tanh[x]^2 + a Tanh[x]^4}]
                                                                                                                                                                                                                 a Coth[2x] Sinh[x]^2
                                \sqrt{3 a - b + 3 c - 4 (a - c) \cosh[2x] + (a + b + c) \cosh[4x]}
```

$$\frac{a \operatorname{Csch}[2 \times] \operatorname{Sinh}[x]^2}{\sqrt{3 \operatorname{a} - \operatorname{b} + 3 \operatorname{c} - 4 \ (a - \operatorname{c}) \operatorname{Cosh}[2 \times] + (a + \operatorname{b} + \operatorname{c}) \operatorname{Cosh}[4 \times]}} + \frac{b \operatorname{Csch}[2 \times] \operatorname{Sinh}[x]^2}{\sqrt{3 \operatorname{a} - \operatorname{b} + 3 \operatorname{c} - 4 \ (a - \operatorname{c}) \operatorname{Cosh}[2 \times] + (a + \operatorname{b} + \operatorname{c}) \operatorname{Cosh}[4 \times]}} + \frac{b \operatorname{Csch}[2 \times] \operatorname{Sinh}[x]^2}{\sqrt{3 \operatorname{a} - \operatorname{b} + 3 \operatorname{c} - 4 \ (a - \operatorname{c}) \operatorname{Cosh}[2 \times] + (a + \operatorname{b} + \operatorname{c}) \operatorname{Cosh}[4 \times]}} + \frac{b \operatorname{Cosh}[2 \times] + (a + \operatorname{b} + \operatorname{c}) \operatorname{Cosh}[2 \times] + (a + \operatorname{b} + \operatorname{c}) \operatorname{Cosh}[2 \times] + (a + \operatorname{b} + \operatorname{c}) \operatorname{Cosh}[4 \times]}}{\sqrt{3 \operatorname{a} - \operatorname{b} + 3 \operatorname{c} - 4 \ (a - \operatorname{c}) \operatorname{Cosh}[2 \times] + (a + \operatorname{b} + \operatorname{c}) \operatorname{Cosh}[4 \times]} + \frac{b \operatorname{Cosh}[2 \times] + (a + \operatorname{b} + \operatorname{c}) \operatorname{Cosh}[4 \times]}{(1 + \operatorname{Cosh}[2 \times])^2}} + \frac{a \operatorname{Cosh}[2 \times] + (a + \operatorname{b} + \operatorname{c}) \operatorname{Cosh}[4 \times]}{(1 + \operatorname{Cosh}[2 \times])^2} + \frac{a \operatorname{Cosh}[2 \times] + (a + \operatorname{b} + \operatorname{c}) \operatorname{Cosh}[4 \times]}{(3 \operatorname{a} - \operatorname{b} + 3 \operatorname{c} - 4 \ (a - \operatorname{c}) \operatorname{Cosh}[2 \times] + (a + \operatorname{b} + \operatorname{c}) \operatorname{Cosh}[4 \times]}} + \frac{a \operatorname{Csch}[2 \times] \operatorname{Sinh}[x]^2}{\sqrt{3 \operatorname{a} - \operatorname{b} + 3 \operatorname{c} - 4 \ (a - \operatorname{c}) \operatorname{Cosh}[2 \times] + (a + \operatorname{b} + \operatorname{c}) \operatorname{Cosh}[4 \times]}} + \frac{b \operatorname{Csch}[2 \times] \operatorname{Sinh}[x]^2}{\sqrt{3 \operatorname{a} - \operatorname{b} + 3 \operatorname{c} - 4 \ (a - \operatorname{c}) \operatorname{Cosh}[2 \times] + (a + \operatorname{b} + \operatorname{c}) \operatorname{Cosh}[4 \times]}} + \frac{b \operatorname{Csch}[2 \times] \operatorname{Sinh}[x]^2}{\sqrt{3 \operatorname{a} - \operatorname{b} + 3 \operatorname{c} - 4 \ (a - \operatorname{c}) \operatorname{Cosh}[2 \times] + (a + \operatorname{b} + \operatorname{c}) \operatorname{Cosh}[4 \times]}} + \frac{b \operatorname{Csch}[2 \times] \operatorname{Cosh}[2 \times] + (a + \operatorname{b} + \operatorname{c}) \operatorname{Cosh}[4 \times]}}{\sqrt{3 \operatorname{a} - \operatorname{b} + 3 \operatorname{c} - 4 \ (a - \operatorname{c}) \operatorname{Cosh}[2 \times] + (a + \operatorname{b} + \operatorname{c}) \operatorname{Cosh}[4 \times]}}} + \frac{b \operatorname{Csch}[2 \times] \operatorname{Cosh}[2 \times] + (a + \operatorname{b} + \operatorname{c}) \operatorname{Cosh}[4 \times]}}{\sqrt{3 \operatorname{a} - \operatorname{b} + 3 \operatorname{c} + (-4 \operatorname{a} + 4 \operatorname{c}) \operatorname{Cosh}[2 \times] + (a + \operatorname{b} + \operatorname{c}) \operatorname{Cosh}[4 \times]}}} + \frac{b \operatorname{Csch}[2 \times] \operatorname{Cosh}[2 \times] + (a + \operatorname{b} + \operatorname{c}) \operatorname{Cosh}[4 \times]}}{(1 + \operatorname{Cosh}[2 \times])^2}} + \frac{a \operatorname{Cosh}[2 \times] + (a + \operatorname{b} + \operatorname{c}) \operatorname{Cosh}[4 \times]}{(1 + \operatorname{Cosh}[2 \times])^2}} + \frac{a \operatorname{Cosh}[2 \times] + (a + \operatorname{b} + \operatorname{c}) \operatorname{Cosh}[4 \times]}{(1 + \operatorname{Cosh}[2 \times])^2}} + \frac{a \operatorname{Cosh}[2 \times] + (a + \operatorname{b} + \operatorname{c}) \operatorname{Cosh}[4 \times]}{(1 + \operatorname{Cosh}[2 \times])^2}} + \frac{a \operatorname{Cosh}[2 \times] + (a + \operatorname{b} + \operatorname{c}) \operatorname{Cosh}[4 \times]}{(1 + \operatorname{Cosh}[2 \times])^2}} + \frac{a \operatorname{Cosh}[2 \times] + (a + \operatorname{b} + \operatorname{c}) \operatorname{Cosh}[4 \times]}{(1 + \operatorname{Cosh}[2 \times])^2}} + \frac{a \operatorname{Cosh}[2$$

```
a Csch[2x] Sinh[x]<sup>2</sup>
                              \sqrt{3 a - b + 3 c - 4} (a - c) Cosh[2x] + (a + b + c) Cosh[4x]
                             \frac{ b \, \text{Csch}[\,2\,\,x] \, \, \text{Sinh}[\,x\,]^{\,2} }{\sqrt{3\,\,a - b + 3\,\,c - 4\,\,(a - c)\,\, \text{Cosh}[\,2\,\,x\,] \, + \,(a + b + c)\,\, \text{Cosh}[\,4\,\,x\,]}}
   \left(4\,\sqrt{2}\,\left(-a+b+a\,\text{Cosh}[\,2\,x]\,\right)^{\,2}\,\sqrt{3\,a-b+3\,c+\left(-4\,a+4\,c\right)\,\,\text{Cosh}[\,2\,x]\,+\,\left(a+b+c\right)\,\,\text{Cosh}[\,4\,x]}\right)
              \sqrt{(3 a - b + 3 c - 4 (a - c) Cosh[2 x] + (a + b + c) Cosh[4 x]) Csch[x]^4} +
(-a+b) (3 a - b + 3 c - 4 (a - c) Cosh[2x] + (a + b + c) Cosh[4x])
                            3 a - b + 3 c + (-4 a + 4 c) Cosh[2 x] + (a + b + c) Cosh[4 x]
                                                                                                                                  (1 + Cosh[2x])^2
              Coth[x] Csch[x]2
             Log[b+2 a Tanh[x]^2 + 2 \sqrt{a} \sqrt{c+b Tanh[x]^2 + a Tanh[x]^4}]
                                                                                                                     a Coth[2x] Sinh[x]^{2}
                                                                                                                                                                                                                                                                                                                                                                                                                                                      a Csch[2x] Sinh[x]
                      \sqrt{3 a - b + 3 c - 4 (a - c) \cosh[2 x] + (a + b + c) \cosh[4 x]} \sqrt{3 a - b + 3 c - 4 (a - c) \cosh[2 x] + (a + b + c) \cosh[4 x]}
                            \frac{b\, C s c h [\,2\,x]\, \, S i n h [\,x\,]^{\,2}}{\sqrt{3\, a - b + 3\, c - 4\, \, (a - c)\, \, C o s h [\,2\,x\,]\, + \, (a + b + c)\, \, C o s h [\,4\,x\,]}}
                                                                                                            b Csch[2x] Sinh[x]^2
  \left(4\,\sqrt{2}\,\,\sqrt{a}\,\,\left(-a+b+a\,Cosh\,[\,2\,x\,]\,\right)\,\sqrt{\,3\,\,a-b+3\,\,c+\,\left(-4\,\,a+4\,\,c\right)\,\,Cosh\,[\,2\,x\,]\,+\,\left(a+b+c\right)\,\,Cosh\,[\,4\,\,x\,]\,}\right)
             \sqrt{(3 a - b + 3 c - 4 (a - c) Cosh[2 x] + (a + b + c) Cosh[4 x]) Csch[x]^4}
a \cosh[2x] (3a-b+3c-4(a-c) \cosh[2x] + (a+b+c) \cosh[4x])
              \left(2\; a\; \sqrt{\; 3\; a\; -\; b\; +\; 3\; c\; -\; 4\; a\; Cosh\left[\; 2\; x\; \right]\; +\; 4\; c\; Cosh\left[\; 2\; x\; \right]\; +\; a\; Cosh\left[\; 4\; x\; \right]\; +\; b\; Cosh\left[\; 4\; x\; \right]\; +\; c\; Cosh\left[\;
                           2 b \sqrt{3} a - b + 3 c - 4 a Cosh[2 x] + 4 c Cosh[2 x] + a Cosh[4 x] + b Cosh[4 x] + c Cosh[4 x] + c Cosh[4 x]
                           2 c \sqrt{3 a - b + 3 c - 4 a \cosh[2 x] + 4 c \cosh[2 x] + a \cosh[4 x] + b \cosh[4 x] + c \cosh[4 x]}
             \sqrt{\left[\frac{1}{a+b+a}\left(4\,a+2\,b+\sqrt{2}\,\sqrt{\left(2\,b^2-8\,a\,c+a\,\left(3\,a-b+3\,c-4\,a\,Cosh[2\,x]+4\,c\,Cosh[2\,x]+a\,Cosh[4\,x]+b\,Cosh[4\,x]\right)\right]}\right]}
                                                                                                c \, Cosh[\,4\,\,x]\,\,) \,\,+\,b \,\,(3\,\,a\,-\,b\,+\,3\,\,c\,-\,4\,\,a \,\,Cosh[\,2\,\,x]\,\,+\,4\,\,c \,\,Cosh[\,2\,\,x]\,\,+\,a \,\,Cosh[\,4\,\,x]\,\,+\,b \,\,Cosh[\,4\,\,x]\,\,+\,c \,\,Cosh[\,4\,\,x]\,\,) \,\,+\,b \,\,Cosh[\,4\,\,x]\,\,+\,b \,\,Cosh[\,4\,
```

 $\texttt{c} \; \left( \; 3 \; \texttt{a} \; - \; \texttt{b} \; + \; 3 \; \texttt{c} \; - \; 4 \; \texttt{a} \; \texttt{Cosh}[\; 2 \; \texttt{x} \; ] \; + \; 4 \; \texttt{c} \; \texttt{Cosh}[\; 2 \; \texttt{x} \; ] \; + \; \texttt{a} \; \texttt{Cosh}[\; 4 \; \texttt{x} \; ] \; + \; \texttt{b} \; \texttt{Cosh}[\; 4 \; \texttt{x} \; ] \; + \; \texttt{c} \; \texttt{Cosh}[\; 4 \; \texttt{x} \; ] \; \right) \; \right) \; | \; \texttt{c} \; \left( \; 3 \; \texttt{a} \; - \; \texttt{b} \; + \; 3 \; \texttt{c} \; - \; 4 \; \texttt{a} \; \texttt{Cosh}[\; 2 \; \texttt{x} \; ] \; + \; 4 \; \texttt{c} \; \texttt{Cosh}[\; 2 \; \texttt{x} \; ] \; + \; \texttt{a} \; \texttt{Cosh}[\; 4 \; \texttt{x} \; ] \; + \; \texttt{b} \; \texttt{Cosh}[\; 4 \; \texttt{x} \; ] \; + \; \texttt{c} \; \texttt{Cosh}[\; 4 \; \texttt{x} \; ] \; \right) \; \right) \; | \; \texttt{c} \; \text{cosh}[\; 4 \; \texttt{c} \; ] \; + \; \texttt{c} \; \texttt{cosh}[\; 4 \; \texttt{c} \; ]$ 

```
Coth[x] Csch[x]^2
                                         \frac{1}{\sqrt{1 - a^2}} \operatorname{ArcTanh} \left[ \left( (2 \, a + b) \, \sqrt{3 \, a - b + 3 \, c - 4 \, a \, Cosh[2 \, x] + 4 \, c \, Cosh[2 \, x] + a \, Cosh[4 \, x] + b \, Cosh[4 \, x] + c \, 
                                                                                   2\sqrt{a}\sqrt{(2b^2-8ac+a(3a-b+3c-4aCosh[2x]+4cCosh[2x]+aCosh[4x]+bCosh[4x]+cCosh[4x])}
                                                                                                                                                      b\ (3\ a-b+3\ c-4\ a\ Cosh[\ 2\ x]\ +4\ c\ Cosh[\ 2\ x]\ +a\ Cosh[\ 4\ x]\ +b\ Cosh[\ 4\ x]\ +c\ Cosh[\ 4\ x]\ )\ +c\ Cosh[\ 4\ x]\ )
                                                                                                                                                      c(3a-b+3c-4aCosh[2x]+4cCosh[2x]+aCosh[4x]+bCosh[4x]+cCosh[4x]))
                                               \frac{1}{\sqrt{a+b+c}} 2 \log \left[ 2 \left( a \sqrt{3 a-b+3 c-4 a \cosh[2 x]+4 c \cosh[2 x]+a \cosh[4 x]+b \cosh[4 x]+b \cosh[4 x]+c \cosh[4 x]} \right. + 
                                                                                                                           b\,\sqrt{\,3\,a-b+3\,c-4\,a\,Cosh[\,2\,x\,]\,+4\,c\,Cosh[\,2\,x\,]\,+a\,Cosh[\,4\,x\,]\,+b\,Cosh[\,4\,x\,]\,+c\,Cosh[\,4\,x\,]\,+c\,Cosh[\,4\,x\,]\,+c\,Cosh[\,4\,x\,]\,+c\,Cosh[\,4\,x\,]\,+c\,Cosh[\,4\,x\,]\,+c\,Cosh[\,4\,x\,]\,+c\,Cosh[\,4\,x\,]\,+c\,Cosh[\,4\,x\,]\,+c\,Cosh[\,4\,x\,]\,+c\,Cosh[\,4\,x\,]\,+c\,Cosh[\,4\,x\,]\,+c\,Cosh[\,4\,x\,]\,+c\,Cosh[\,4\,x\,]\,+c\,Cosh[\,4\,x\,]\,+c\,Cosh[\,4\,x\,]\,+c\,Cosh[\,4\,x\,]\,+c\,Cosh[\,4\,x\,]\,+c\,Cosh[\,4\,x\,]\,+c\,Cosh[\,4\,x\,]\,+c\,Cosh[\,4\,x\,]\,+c\,Cosh[\,4\,x\,]\,+c\,Cosh[\,4\,x\,]\,+c\,Cosh[\,4\,x\,]\,+c\,Cosh[\,4\,x\,]\,+c\,Cosh[\,4\,x\,]\,+c\,Cosh[\,4\,x\,]\,+c\,Cosh[\,4\,x\,]\,+c\,Cosh[\,4\,x\,]\,+c\,Cosh[\,4\,x\,]\,+c\,Cosh[\,4\,x\,]\,+c\,Cosh[\,4\,x\,]\,+c\,Cosh[\,4\,x\,]\,+c\,Cosh[\,4\,x\,]\,+c\,Cosh[\,4\,x\,]\,+c\,Cosh[\,4\,x\,]\,+c\,Cosh[\,4\,x\,]\,+c\,Cosh[\,4\,x\,]\,+c\,Cosh[\,4\,x\,]\,+c\,Cosh[\,4\,x\,]\,+c\,Cosh[\,4\,x\,]\,+c\,Cosh[\,4\,x\,]\,+c\,Cosh[\,4\,x\,]\,+c\,Cosh[\,4\,x\,]\,+c\,Cosh[\,4\,x\,]\,+c\,Cosh[\,4\,x\,]\,+c\,Cosh[\,4\,x\,]\,+c\,Cosh[\,4\,x\,]\,+c\,Cosh[\,4\,x\,]\,+c\,Cosh[\,4\,x\,]\,+c\,Cosh[\,4\,x\,]\,+c\,Cosh[\,4\,x\,]\,+c\,Cosh[\,4\,x\,]\,+c\,Cosh[\,4\,x\,]\,+c\,Cosh[\,4\,x\,]\,+c\,Cosh[\,4\,x\,]\,+c\,Cosh[\,4\,x\,]\,+c\,Cosh[\,4\,x\,]\,+c\,Cosh[\,4\,x\,]\,+c\,Cosh[\,4\,x\,]\,+c\,Cosh[\,4\,x\,]\,+c\,Cosh[\,4\,x\,]\,+c\,Cosh[\,4\,x\,]\,+c\,Cosh[\,4\,x\,]\,+c\,Cosh[\,4\,x\,]\,+c\,Cosh[\,4\,x\,]\,+c\,Cosh[\,4\,x\,]\,+c\,Cosh[\,4\,x\,]\,+c\,Cosh[\,4\,x\,]\,+c\,Cosh[\,4\,x\,]\,+c\,Cosh[\,4\,x\,]\,+c\,Cosh[\,4\,x\,]\,+c\,Cosh[\,4\,x\,]\,+c\,Cosh[\,4\,x\,]\,+c\,Cosh[\,4\,x\,]\,+c\,Cosh[\,4\,x\,]\,+c\,Cosh[\,4\,x\,]\,+c\,Cosh[\,4\,x\,]\,+c\,Cosh[\,4\,x\,]\,+c\,Cosh[\,4\,x\,]\,+c\,Cosh[\,4\,x\,]\,+c\,Cosh[\,4\,x\,]\,+c\,Cosh[\,4\,x\,]\,+c\,Cosh[\,4\,x\,]\,+c\,Cosh[\,4\,x\,]\,+c\,Cosh[\,4\,x\,]\,+c\,Cosh[\,4\,x\,]\,+c\,Cosh[\,4\,x\,]\,+c\,Cosh[\,4\,x\,]\,+c\,Cosh[\,4\,x\,]\,+c\,Cosh[\,4\,x\,]\,+c\,Cosh[\,4\,x\,]\,+c\,Cosh[\,4\,x\,]\,+c\,Cosh[\,4\,x\,]\,+c\,Cosh[\,4\,x\,]\,+c\,Cosh[\,4\,x\,]\,+c\,Cosh[\,4\,x\,]\,+c\,Cosh[\,4\,x\,]\,+c\,Cosh[\,4\,x\,]\,+c\,Cosh[\,4\,x\,]\,+c\,Cosh[\,4\,x\,]\,+c\,Cosh[\,4\,x\,]\,+c\,Cosh[\,4\,x\,]\,+c\,Cosh[\,4\,x\,]\,+c\,Cosh[\,4\,x\,]\,+c\,Cosh[\,4\,x\,]\,+c\,Cosh[\,4\,x\,]\,+c\,Cosh[\,4\,x\,]\,+c\,Cosh[\,4\,x\,]\,+c\,Cosh[\,4\,x\,]\,+c\,Cosh[\,4\,x\,]\,+c\,Cosh[\,4\,x\,]\,+c\,Cosh[\,4\,x\,]\,+c\,Cosh[\,4\,x\,]\,+c\,Cosh[\,4\,x\,]\,+c\,Cosh[\,4\,x\,]\,+c\,Cosh[\,4\,x\,]\,+c\,Cosh[\,4\,x\,]\,+c\,Cosh[\,4\,x\,]\,+c\,Cosh[\,4\,x\,]\,+c\,Cosh[\,4\,x\,]\,+c\,Cosh[\,4\,x\,]\,+c\,Cosh[\,4\,x\,]\,+c\,Cosh[\,4\,x\,]\,+c\,Cosh[\,4\,x\,]\,+c\,Cosh[\,4\,x\,]\,+c\,Cosh[\,4\,x\,]\,+c\,Cosh[\,4\,x\,]\,+c\,Cosh[\,4\,x\,]\,+c\,Cosh[\,4\,x\,]\,+c\,Cosh[\,4\,x\,]\,+c\,Cosh[\,4\,x\,]\,+
                                                                                                                                           \sqrt{3} a - b + 3 c - 4 a Cosh[2 x] + 4 c Cosh[2 x] + a Cosh[4 x] + b Cosh[4 x] + c Cosh[4 x] + \sqrt{a + b + c}
                                                                                                                                           \sqrt{(2b^2 - 8ac + a(3a - b + 3c - 4aCosh[2x] + 4cCosh[2x] + aCosh[4x] + bCosh[4x] + cCosh[4x])} + cCosh[4x] + cCos
                                                                                                                                                                                  b \; (3 \; a - b + 3 \; c - 4 \; a \; Cosh[2 \; x] \; + \; 4 \; c \; Cosh[2 \; x] \; + \; a \; Cosh[4 \; x] \; + \; b \; Cosh[4 \; x] \; + \; c \; Cosh[4 \; x]) \; + \; c \; Cosh[4 \; x] \; + \; c \; Cos
                                                                                                                                                                                 c (3 a - b + 3 c - 4 a Cosh[2 x] + 4 c Cosh[2 x] + a Cosh[4 x] + b Cosh[4 x] + c Cosh[4 x]))
                                                                                                                                                                                                                                 a Coth[2x] Sinh[x]^{2}
                                  \sqrt{3} a - b + 3 c - 4 (a - c) \cosh[2x] + (a + b + c) \cosh[4x] \sqrt{3} a - b + 3 c - 4 (a - c) \cosh[2x] + (a + b + c) \cosh[4x]
                                                                                                                                                                                                                                            b Csch[2x] Sinh[x]<sup>2</sup>
                                                   \sqrt{3 a - b + 3 c - 4 (a - c) \cosh[2 x] + (a + b + c) \cosh[4 x]}
                   (-4 \text{ a Sinh}[2 \text{ x}] + 4 \text{ c Sinh}[2 \text{ x}] + 2 \text{ a Sinh}[4 \text{ x}] + 2 \text{ b Sinh}[4 \text{ x}] + 2 \text{ c Sinh}[4 \text{ x}])
16 \; (-a+b+a \; Cosh[2 \; x] \; ) \; \sqrt{3 \; a-b+3 \; c-4 \; a \; Cosh[2 \; x] \; + 4 \; c \; Cosh[2 \; x] \; + a \; Cosh[4 \; x] \; + b \; Cosh[4 \; x] \; + c \; Cos
                 \sqrt{(2b^2 - 8ac + a(3a - b + 3c - 4aCosh[2x] + 4cCosh[2x] + aCosh[4x] + bCosh[4x] + bCosh[4x])} + cCosh[4x])
                                                        b \; (3\; a - b + 3\; c - 4\; a\; Cosh[\; 2\; x] \; + \; 4\; c\; Cosh[\; 2\; x] \; + \; a\; Cosh[\; 4\; x] \; + \; b\; Cosh[\; 4\; x] \; + \; c\; Cosh[\; 4\; x] \; ) \; + \; c\; Cosh[\; 4\; x] \; ) \; + \; c\; Cosh[\; 4\; x] \; ) \; + \; c\; Cosh[\; 4\; x] \; ) \; + \; c\; Cosh[\; 4\; x] \; ) \; + \; c\; Cosh[\; 4\; x] \; ) \; + \; c\; Cosh[\; 4\; x] \; ) \; + \; c\; Cosh[\; 4\; x] \; ) \; + \; c\; Cosh[\; 4\; x] \; ) \; + \; c\; Cosh[\; 4\; x] \; ) \; + \; c\; Cosh[\; 4\; x] \; ) \; + \; c\; Cosh[\; 4\; x] \; ) \; + \; c\; Cosh[\; 4\; x] \; ) \; + \; c\; Cosh[\; 4\; x] \; ) \; + \; c\; Cosh[\; 4\; x] \; ) \; + \; c\; Cosh[\; 4\; x] \; ) \; + \; c\; Cosh[\; 4\; x] \; ) \; + \; c\; Cosh[\; 4\; x] \; ) \; + \; c\; Cosh[\; 4\; x] \; ) \; + \; c\; Cosh[\; 4\; x] \; ) \; + \; c\; Cosh[\; 4\; x] \; ) \; + \; c\; Cosh[\; 4\; x] \; ) \; + \; c\; Cosh[\; 4\; x] \; ) \; + \; c\; Cosh[\; 4\; x] \; ) \; + \; c\; Cosh[\; 4\; x] \; ) \; + \; c\; Cosh[\; 4\; x] \; ) \; + \; c\; Cosh[\; 4\; x] \; ) \; + \; c\; Cosh[\; 4\; x] \; ) \; + \; c\; Cosh[\; 4\; x] \; ) \; + \; c\; Cosh[\; 4\; x] \; ) \; + \; c\; Cosh[\; 4\; x] \; ) \; + \; c\; Cosh[\; 4\; x] \; ) \; + \; c\; Cosh[\; 4\; x] \; ) \; + \; c\; Cosh[\; 4\; x] \; ) \; + \; c\; Cosh[\; 4\; x] \; ) \; + \; c\; Cosh[\; 4\; x] \; ) \; + \; c\; Cosh[\; 4\; x] \; ) \; + \; c\; Cosh[\; 4\; x] \; ) \; + \; c\; Cosh[\; 4\; x] \; ) \; + \; c\; Cosh[\; 4\; x] \; ) \; + \; c\; Cosh[\; 4\; x] \; ) \; + \; c\; Cosh[\; 4\; x] \; ) \; + \; c\; Cosh[\; 4\; x] \; ) \; + \; c\; Cosh[\; 4\; x] \; ) \; + \; c\; Cosh[\; 4\; x] \; ) \; + \; c\; Cosh[\; 4\; x] \; ) \; + \; c\; Cosh[\; 4\; x] \; ) \; + \; c\; Cosh[\; 4\; x] \; ) \; + \; c\; Cosh[\; 4\; x] \; ) \; + \; c\; Cosh[\; 4\; x] \; ) \; + \; c\; Cosh[\; 4\; x] \; ) \; + \; c\; Cosh[\; 4\; x] \; ) \; + \; c\; Cosh[\; 4\; x] \; ) \; + \; c\; Cosh[\; 4\; x] \; ) \; + \; c\; Cosh[\; 4\; x] \; + \; c\; Cosh[\; 4\; x] \; ) \; + \; c\; Cosh[\; 4\; x] \; + \; c\; Cosh[\; 4\;
                                                       c(3a-b+3c-4aCosh[2x]+4cCosh[2x]+aCosh[4x]+bCosh[4x]+cCosh[4x])
                 \sqrt{\frac{1}{a+b+c}} \left( -2b-4c+\sqrt{2} \sqrt{2b^2-8ac+a(3a-b+3c-4aCosh[2x]+4cCosh[2x]+aCosh[4x]+bCosh[4x]+bCosh[4x]+bCosh[4x]+bCosh[4x]+bCosh[4x]+bCosh[4x]+bCosh[4x]+bCosh[4x]+bCosh[4x]+bCosh[4x]+bCosh[4x]+bCosh[4x]+bCosh[4x]+bCosh[4x]+bCosh[4x]+bCosh[4x]+bCosh[4x]+bCosh[4x]+bCosh[4x]+bCosh[4x]+bCosh[4x]+bCosh[4x]+bCosh[4x]+bCosh[4x]+bCosh[4x]+bCosh[4x]+bCosh[4x]+bCosh[4x]+bCosh[4x]+bCosh[4x]+bCosh[4x]+bCosh[4x]+bCosh[4x]+bCosh[4x]+bCosh[4x]+bCosh[4x]+bCosh[4x]+bCosh[4x]+bCosh[4x]+bCosh[4x]+bCosh[4x]+bCosh[4x]+bCosh[4x]+bCosh[4x]+bCosh[4x]+bCosh[4x]+bCosh[4x]+bCosh[4x]+bCosh[4x]+bCosh[4x]+bCosh[4x]+bCosh[4x]+bCosh[4x]+bCosh[4x]+bCosh[4x]+bCosh[4x]+bCosh[4x]+bCosh[4x]+bCosh[4x]+bCosh[4x]+bCosh[4x]+bCosh[4x]+bCosh[4x]+bCosh[4x]+bCosh[4x]+bCosh[4x]+bCosh[4x]+bCosh[4x]+bCosh[4x]+bCosh[4x]+bCosh[4x]+bCosh[4x]+bCosh[4x]+bCosh[4x]+bCosh[4x]+bCosh[4x]+bCosh[4x]+bCosh[4x]+bCosh[4x]+bCosh[4x]+bCosh[4x]+bCosh[4x]+bCosh[4x]+bCosh[4x]+bCosh[4x]+bCosh[4x]+bCosh[4x]+bCosh[4x]+bCosh[4x]+bCosh[4x]+bCosh[4x]+bCosh[4x]+bCosh[4x]+bCosh[4x]+bCosh[4x]+bCosh[4x]+bCosh[4x]+bCosh[4x]+bCosh[4x]+bCosh[4x]+bCosh[4x]+bCosh[4x]+bCosh[4x]+bCosh[4x]+bCosh[4x]+bCosh[4x]+bCosh[4x]+bCosh[4x]+bCosh[4x]+bCosh[4x]+bCosh[4x]+bCosh[4x]+bCosh[4x]+bCosh[4x]+bCosh[4x]+bCosh[4x]+bCosh[4x]+bCosh[4x]+bCosh[4x]+bCosh[4x]+bCosh[4x]+bCosh[4x]+bCosh[4x]+bCosh[4x]+bCosh[4x]+bCosh[4x]+bCosh[4x]+bCosh[4x]+bCosh[4x]+bCosh[4x]+bCosh[4x]+bCosh[4x]+bCosh[4x]+bCosh[4x]+bCosh[4x]+bCosh[4x]+bCosh[4x]+bCosh[4x]+bCosh[4x]+bCosh[4x]+bCosh[4x]+bCosh[4x]+bCosh[4x]+bCosh[4x]+bCosh[4x]+bCosh[4x]+bCosh[4x]+bCosh[4x]+bCosh[4x]+bCosh[4x]+bCosh[4x]+bCosh[4x]+bCosh[4x]+bCosh[4x]+bCosh[4x]+bCosh[4x]+bCosh[4x]+bCosh[4x]+bCosh[4x]+bCosh[4x]+bCosh[4x]+bCosh[4x]+bCosh[4x]+bCosh[4x]+bCosh[4x]+bCosh[4x]+bCosh[4x]+bCosh[4x]+bCosh[4x]+bCosh[4x]+bCosh[4x]+bCosh[4x]+bCosh[4x]+bCosh[4x]+bCosh[4x]+bCosh[4x]+bCosh[4x]+bCosh[4x]+bCosh[4x]+bCosh[4x]+bCosh[4x]+bCosh[4x]+bCosh[4x]+bCosh[4x]+bCosh[4x]+bCosh[4x]+bCosh[4x]+bCosh[4x]+bCosh[4x]+bCosh[4x]+bCosh[4x]+bCosh[4x]+bCosh[4x]+bCosh[4x]+bCosh[4x]+bCosh[4x]+b
                                                                                                                                                                                 \texttt{c} \; \texttt{Cosh[4\,x])} \; + \; \texttt{b} \; (3 \; \texttt{a} \; - \; \texttt{b} \; + \; 3 \; \texttt{c} \; - \; 4 \; \texttt{a} \; \texttt{Cosh[2\,x]} \; + \; 4 \; \texttt{c} \; \texttt{Cosh[2\,x]} \; + \; \texttt{a} \; \texttt{Cosh[4\,x]} \; + \; \texttt{b} \; \texttt{Cosh[4\,x]} \; + \; \texttt{c} \; \texttt{Cosh[4\,x]}) \; + \; \texttt{c} \; \texttt{cosh[4\,x]} \; + \; \texttt{
                                                                                                                                         c (3 a - b + 3 c - 4 a Cosh[2 x] + 4 c Cosh[2 x] + a Cosh[4 x] + b Cosh[4 x] + c Cosh[4 x]))
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\left(2\,a - 2\,c + \sqrt{2}\,\,\sqrt{\left(2\,b^2 - 8\,a\,c + a\,\left(3\,a - b + 3\,c - 4\,a\,Cosh[2\,x] + 4\,c\,Cosh[2\,x] + a\,Cosh[4\,x] + b\,Cosh[4\,x] + c\,Cosh[4\,x]\right) + c\,Cosh[4\,x]\right) + c\,Cosh[4\,x]}\right) + c\,Cosh[4\,x] +
                                                                b (3 a - b + 3 c - 4 a Cosh[2 x] + 4 c Cosh[2 x] + a Cosh[4 x] + b Cosh[4 x] + c Cosh[4 x]) +
                                                              c(3a-b+3c-4aCosh[2x]+4cCosh[2x]+aCosh[4x]+bCosh[4x]+cCosh[4x]))
\sqrt{\left[-1 + \frac{1}{2(a+b+c)} \left(2a-2c+\sqrt{2}\sqrt{(2b^2-8ac+a(3a-b+3c-4aCosh[2x]+4cCosh[2x]+aCosh[4x]+\frac{1}{2(a+b+c)} \left(2a-2c+\sqrt{2}\sqrt{(2b^2-8ac+a(3a-b+3c-4aCosh[2x]+4cCosh[2x]+aCosh[4x]+\frac{1}{2(a+b+c)} \left(2a-2c+\sqrt{2}\sqrt{(2b^2-8ac+a(3a-b+3c-4aCosh[2x]+4cCosh[2x]+aCosh[4x]+aCosh[4x]+\frac{1}{2(a+b+c)} \left(2a-2c+\sqrt{2}\sqrt{(2b^2-8ac+a(3a-b+3c-4aCosh[2x]+aCosh[2x]+aCosh[2x]+aCosh[2x]+aCosh[2x]+aCosh[2x]+aCosh[2x]+aCosh[2x]+aCosh[2x]+aCosh[2x]+aCosh[2x]+aCosh[2x]+aCosh[2x]+aCosh[2x]+aCosh[2x]+aCosh[2x]+aCosh[2x]+aCosh[2x]+aCosh[2x]+aCosh[2x]+aCosh[2x]+aCosh[2x]+aCosh[2x]+aCosh[2x]+aCosh[2x]+aCosh[2x]+aCosh[2x]+aCosh[2x]+aCosh[2x]+aCosh[2x]+aCosh[2x]+aCosh[2x]+aCosh[2x]+aCosh[2x]+aCosh[2x]+aCosh[2x]+aCosh[2x]+aCosh[2x]+aCosh[2x]+aCosh[2x]+aCosh[2x]+aCosh[2x]+aCosh[2x]+aCosh[2x]+aCosh[2x]+aCosh[2x]+aCosh[2x]+aCosh[2x]+aCosh[2x]+aCosh[2x]+aCosh[2x]+aCosh[2x]+aCosh[2x]+aCosh[2x]+aCosh[2x]+aCosh[2x]+aCosh[2x]+aCosh[2x]+aCosh[2x]+aCosh[2x]+aCosh[2x]+aCosh[2x]+aCosh[2x]+aCosh[2x]+aCosh[2x]+aCosh[2x]+aCosh[2x]+aCosh[2x]+aCosh[2x]+aCosh[2x]+aCosh[2x]+aCosh[2x]+aCosh[2x]+aCosh[2x]+aCosh[2x]+aCosh[2x]+aCosh[2x]+aCosh[2x]+aCosh[2x]+aCosh[2x]+aCosh[2x]+aCosh[2x]+aCosh[2x]+aCosh[2x]+aCosh[2x]+aCosh[2x]+aCosh[2x]+aCosh[2x]+aCosh[2x]+aCosh[2x]+aCosh[2x]+aCosh[2x]+aCosh[2x]+aCosh[2x]+aCosh[2x]+aCosh[2x]+aCosh[2x]+aCosh[2x]+aCosh[2x]+aCosh[2x]+aCosh[2x]+aCosh[2x]+aCosh[2x]+aCosh[2x]+aCosh[2x]+aCosh[2x]+aCosh[2x]+aCosh[2x]+aCosh[2x]+aCosh[2x]+aCosh[2x]+aCosh[2x]+aCosh[2x]+aCosh[2x]+aCosh[2x]+aCosh[2x]+aCosh[2x]+aCosh[2x]+aCosh[2x]+aCosh[2x]+aCosh[2x]+aCosh[2x]+aCosh[2x]+aCosh[2x]+aCosh[2x]+aCosh[2x]+aCosh[2x]+aCosh[2x]+aCosh[2x]+aCosh[2x]+aCosh[2x]+aCosh[2x]+aCosh[2x]+aCosh[2x]+aCosh[2x]+aCosh[2x]+aCosh[2x]+aCosh[2x]+aCosh[2x]+aCosh[2x]+aCosh[2x]+aCosh[2x]+aCosh[2x]+aCosh[2x]+aCosh[2x]+aCosh[2x]+aCosh[2x]+aCosh[2x]+aCosh[2x]+aCosh[2x]+aCosh[2x]+aCosh[2x]+aCosh[2x]+aCosh[2x]+aCosh[2x]+aCosh[2x]+aCosh[2x]+aCosh[2x]+aCosh[2x]+aCosh[2x]+aCosh[2x]+aCosh[2x]+aCosh[2x]+aCosh[2x]+aCosh[2x]+aCosh[2x]+aCosh[2x]+aCosh[2x]+aCosh[2x]+aCosh[2x]+aCosh[2x]+aCosh[2x]+aCosh[2x]+aC
                                                                                                                                       b Cosh[4x] + c Cosh[4x]) + b (3a - b + 3c - 4a Cosh[2x] + 4c Cosh[2x] + a Cosh[4x] + b Cosh[4x] +
                                                                                                                                      c \, Cosh[4 \, x]) + c \, (3 \, a - b + 3 \, c - 4 \, a \, Cosh[2 \, x] + 4 \, c \, Cosh[2 \, x] + a \, Cosh[4 \, x] + b \, Cosh[4 \, x] + c \, Cosh[4 \, x]))
 \sqrt{\left(1 + \frac{1}{2(a+b+c)} \left(2a-2c+\sqrt{2}\sqrt{2b^2-8ac+a(3a-b+3c-4aCosh[2x]+4cCosh[2x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[
                                                                                                                                       b \, Cosh[\, 4 \, x] \, + c \, Cosh[\, 4 \, x]\,) \, + b \, (3 \, a - b + 3 \, c - 4 \, a \, Cosh[\, 2 \, x] \, + 4 \, c \, Cosh[\, 2 \, x] \, + a \, Cosh[\, 4 \, x] \, + b \, Cos
                                                                                                                                      c \cosh[4x] + c (3a - b + 3c - 4a \cosh[2x] + 4c \cosh[2x] + a \cosh[4x] + b \cosh[4x] + c \cosh[4x])
  \sqrt{(3 \, a - b + 3 \, c - 4 \, (a - c) \, Cosh[2 \, x] + (a + b + c) \, Cosh[4 \, x]) \, Csch[x]^{4}} \right) - \left| a^{2} \, Cosh[2 \, x] + (a + b + c) \, Cosh[4 \, x] + (a + b + c) \, Cosh[4 \, x] + (a + b + c) \, Cosh[4 \, x] + (a + b + c) \, Cosh[4 \, x] + (a + b + c) \, Cosh[4 \, x] + (a + b + c) \, Cosh[4 \, x] + (a + b + c) \, Cosh[4 \, x] + (a + b + c) \, Cosh[4 \, x] + (a + b + c) \, Cosh[4 \, x] + (a + b + c) \, Cosh[4 \, x] + (a + b + c) \, Cosh[4 \, x] + (a + b + c) \, Cosh[4 \, x] + (a + b + c) \, Cosh[4 \, x] + (a + b + c) \, Cosh[4 \, x] + (a + b + c) \, Cosh[4 \, x] + (a + b + c) \, Cosh[4 \, x] + (a + b + c) \, Cosh[4 \, x] + (a + b + c) \, Cosh[4 \, x] + (a + b + c) \, Cosh[4 \, x] + (a + b + c) \, Cosh[4 \, x] + (a + b + c) \, Cosh[4 \, x] + (a + b + c) \, Cosh[4 \, x] + (a + b + c) \, Cosh[4 \, x] + (a + b + c) \, Cosh[4 \, x] + (a + b + c) \, Cosh[4 \, x] + (a + b + c) \, Cosh[4 \, x] + (a + b + c) \, Cosh[4 \, x] + (a + b + c) \, Cosh[4 \, x] + (a + b + c) \, Cosh[4 \, x] + (a + b + c) \, Cosh[4 \, x] + (a + b + c) \, Cosh[4 \, x] + (a + b + c) \, Cosh[4 \, x] + (a + b + c) \, Cosh[4 \, x] + (a + b + c) \, Cosh[4 \, x] + (a + b + c) \, Cosh[4 \, x] + (a + b + c) \, Cosh[4 \, x] + (a + b + c) \, Cosh[4 \, x] + (a + b + c) \, Cosh[4 \, x] + (a + b + c) \, Cosh[4 \, x] + (a + b + c) \, Cosh[4 \, x] + (a + b + c) \, Cosh[4 \, x] + (a + b + c) \, Cosh[4 \, x] + (a + b + c) \, Cosh[4 \, x] + (a + b + c) \, Cosh[4 \, x] + (a + b + c) \, Cosh[4 \, x] + (a + b + c) \, Cosh[4 \, x] + (a + b + c) \, Cosh[4 \, x] + (a + b + c) \, Cosh[4 \, x] + (a + b + c) \, Cosh[4 \, x] + (a + b + c) \, Cosh[4 \, x] + (a + b + c) \, Cosh[4 \, x] + (a + b + c) \, Cosh[4 \, x] + (a + b + c) \, Cosh[4 \, x] + (a + b + c) \, Cosh[4 \, x] + (a + b + c) \, Cosh[4 \, x] + (a + b + c) \, Cosh[4 \, x] + (a + b + c) \, Cosh[4 \, x] + (a + b + c) \, Cosh[4 \, x] + (a + b + c) \, Cosh[4 \, x] + (a + b + c) \, Cosh[4 \, x] + (a + b + c) \, Cosh[4 \, x] + (a + b + c) \, Cosh[4 \, x] + (a + b + c) \, Cosh[4 \, x] + (a + b + c) \, Cosh[4 \, x] + (a + b + c) \, Cosh[4 \, x] + (a + b + c) \, Cosh[4 \, x] + (a + b + c) \, Cosh[4 \, x] + (a + b + c) \, Cosh[4 \, x] + (a + b + c) \, Cos
    (3 a - b + 3 c - 4 (a - c) Cosh[2x] + (a + b + c) Cosh[4x])
    \left(2\,a\,\sqrt{3\,a-b+3\,c-4\,a\,Cosh[2\,x]\,+4\,c\,Cosh[2\,x]\,+a\,Cosh[4\,x]\,+b\,Cosh[4\,x]\,+c\,Cosh[4\,x]}\right.\,+\,\left(2\,a\,\sqrt{3\,a-b+3\,c-4\,a\,Cosh[2\,x]\,+4\,c\,Cosh[2\,x]}\right)
                    2\;b\;\sqrt{3\;a\;-\;b\;+\;3\;c\;-\;4\;a\;Cosh[\,2\;x\,]\;+\;4\;c\;Cosh[\,2\;x\,]\;+\;a\;Cosh[\,4\;x\,]\;+\;b\;Cosh[\,4\;x\,]\;+\;c\;Cosh[\,4\;x\,]\;+\;c\;Cosh[\,4\;x\,]\;+\;b\;Cosh[\,4\;x\,]\;+\;b\;Cosh[\,4\;x\,]\;+\;b\;Cosh[\,4\;x\,]\;+\;b\;Cosh[\,4\;x\,]\;+\;b\;Cosh[\,4\;x\,]\;+\;b\;Cosh[\,4\;x\,]\;+\;b\;Cosh[\,4\;x\,]\;+\;b\;Cosh[\,4\;x\,]\;+\;b\;Cosh[\,4\;x\,]\;+\;b\;Cosh[\,4\;x\,]\;+\;b\;Cosh[\,4\;x\,]\;+\;b\;Cosh[\,4\;x\,]\;+\;b\;Cosh[\,4\;x\,]\;+\;b\;Cosh[\,4\;x\,]\;+\;b\;Cosh[\,4\;x\,]\;+\;b\;Cosh[\,4\;x\,]\;+\;b\;Cosh[\,4\;x\,]\;+\;b\;Cosh[\,4\;x\,]\;+\;b\;Cosh[\,4\;x\,]\;+\;b\;Cosh[\,4\;x\,]\;+\;b\;Cosh[\,4\;x\,]\;+\;b\;Cosh[\,4\;x\,]\;+\;b\;Cosh[\,4\;x\,]\;+\;b\;Cosh[\,4\;x\,]\;+\;b\;Cosh[\,4\;x\,]\;+\;b\;Cosh[\,4\;x\,]\;+\;b\;Cosh[\,4\;x\,]\;+\;b\;Cosh[\,4\;x\,]\;+\;b\;Cosh[\,4\;x\,]\;+\;b\;Cosh[\,4\;x\,]\;+\;b\;Cosh[\,4\;x\,]\;+\;b\;Cosh[\,4\;x\,]\;+\;b\;Cosh[\,4\;x\,]\;+\;b\;Cosh[\,4\;x\,]\;+\;b\;Cosh[\,4\;x\,]\;+\;b\;Cosh[\,4\;x\,]\;+\;b\;Cosh[\,4\;x\,]\;+\;b\;Cosh[\,4\;x\,]\;+\;b\;Cosh[\,4\;x\,]\;+\;b\;Cosh[\,4\;x\,]\;+\;b\;Cosh[\,4\;x\,]\;+\;b\;Cosh[\,4\;x\,]\;+\;b\;Cosh[\,4\;x\,]\;+\;b\;Cosh[\,4\;x\,]\;+\;b\;Cosh[\,4\;x\,]\;+\;b\;Cosh[\,4\;x\,]\;+\;b\;Cosh[\,4\;x\,]\;+\;b\;Cosh[\,4\;x\,]\;+\;b\;Cosh[\,4\;x\,]\;+\;b\;Cosh[\,4\;x\,]\;+\;b\;Cosh[\,4\;x\,]\;+\;b\;Cosh[\,4\;x\,]\;+\;b\;Cosh[\,4\;x\,]\;+\;b\;Cosh[\,4\;x\,]\;+\;b\;Cosh[\,4\;x\,]\;+\;b\;Cosh[\,4\;x\,]\;+\;b\;Cosh[\,4\;x\,]\;+\;b\;Cosh[\,4\;x\,]\;+\;b\;Cosh[\,4\;x\,]\;+\;b\;Cosh[\,4\;x\,]\;+\;b\;Cosh[\,4\;x\,]\;+\;b\;Cosh[\,4\;x\,]\;+\;b\;Cosh[\,4\;x\,]\;+\;b\;Cosh[\,4\;x\,]\;+\;b\;Cosh[\,4\;x\,]\;+\;b\;Cosh[\,4\;x\,]\;+\;b\;Cosh[\,4\;x\,]\;+\;b\;Cosh[\,4\;x\,]\;+\;b\;Cosh[\,4\;x\,]\;+\;b\;Cosh[\,4\;x\,]\;+\;b\;Cosh[\,4\;x\,]\;+\;b\;Cosh[\,4\;x\,]\;+\;b\;Cosh[\,4\;x\,]\;+\;b\;Cosh[\,4\;x\,]\;+\;b\;Cosh[\,4\;x\,]\;+\;b\;Cosh[\,4\;x\,]\;+\;b\;Cosh[\,4\;x\,]\;+\;b\;Cosh[\,4\;x\,]\;+\;b\;Cosh[\,4\;x\,]\;+\;b\;Cosh[\,4\;x\,]\;+\;b\;Cosh[\,4\;x\,]\;+\;b\;Cosh[\,4\;x\,]\;+\;b\;Cosh[\,4\;x\,]\;+\;b\;Cosh[\,4\;x\,]\;+\;b\;Cosh[\,4\;x\,]\;+\;b\;Cosh[\,4\;x\,]\;+\;b\;Cosh[\,4\;x\,]\;+\;b\;Cosh[\,4\;x\,]\;+\;b\;Cosh[\,4\;x\,]\;+\;b\;Cosh[\,4\;x\,]\;+\;b\;Cosh[\,4\;x\,]\;+\;b\;Cosh[\,4\;x\,]\;+\;b\;Cosh[\,4\;x\,]\;+\;b\;Cosh[\,4\;x\,]\;+\;b\;Cosh[\,4\;x\,]\;+\;b\;Cosh[\,4\;x\,]\;+\;b\;Cosh[\,4\;x\,]\;+\;b\;Cosh[\,4\;x\,]\;+\;b\;Cosh[\,4\;x\,]\;+\;b\;Cosh[\,4\;x\,]\;+\;b\;Cosh[\,4\;x\,]\;+\;b\;Cosh[\,4\;x\,]\;+\;b\;Cosh[\,4\;x\,]\;+\;b\;Cosh[\,4\;x\,]\;+\;b\;Cosh[\,4\;x\,]\;+\;b\;Cosh[\,4\;x\,]\;+\;b\;Cosh[\,4\;x\,]\;+\;b\;Cosh[\,4\;x\,]\;+\;b\;Cosh[\,4\;x\,]\;+\;b\;Cosh[\,4\;x\,]\;+\;b\;Cosh[\,4\;x\,]\;+\;b\;Cosh[\,4\;x\,]\;+\;b\;Cosh[\,4\;x\,]\;+\;b\;Cosh[\,4\;x\,]\;+\;b\;Cosh[\,4\;x\,]\;+\;b\;Cosh[\,4\;x\,]\;+\;b\;Cosh[\,4\;x\,]\;+\;b\;Cosh[\,4\;x\,]\;+\;b\;Cosh[\,4\;x\,]\;+\;b\;Cosh[\,4\;x\,]\;+\;b\;
                     2 c \sqrt{3 a - b + 3 c - 4 a \cosh[2 x] + 4 c \cosh[2 x] + a \cosh[4 x] + b \cosh[4 x] + c \cosh[4 x]}
\sqrt{\left[\frac{1}{a+b+a}\left(4\,a+2\,b+\sqrt{2}\,\sqrt{\left(2\,b^2-8\,a\,c+a\,\left(3\,a-b+3\,c-4\,a\,Cosh[2\,x]+4\,c\,Cosh[2\,x]+a\,Cosh[4\,x]+b\,Cosh[4\,x]\right)\right]}\right]}
                                                                                                                             \verb| c Cosh[4x]| + b (3a - b + 3c - 4a Cosh[2x] + 4c Cosh[2x] + a Cosh[4x] + b Cosh[4x] + c Cosh[4x]) + c Cosh[4x] + c Co
                                                                                             c (3 a - b + 3 c - 4 a Cosh[2 x] + 4 c Cosh[2 x] + a Cosh[4 x] + b Cosh[4 x] + c Cosh[4 x]))
                                                                                       \frac{ \text{ArcTanh} \Big[ \, \frac{\sqrt{3\, \text{a-b+3}\, \text{c-4}\, \text{a}\, \text{Cosh}[2\, \text{x}] + \text{d}\, \text{c}\, \text{Cosh}[4\, \text{x}] + \text{b}\, \text{Cosh}[4\, \text{x}] + \text{b}\, \text{Cosh}[4\, \text{x}]}{2\, \sqrt{2}\, \sqrt{\text{a}}} \Big] }{\sqrt{\text{a}}}
 Csch[x]^2
                    \frac{1}{\sqrt{a}} \operatorname{ArcTanh} \left[ \left( (2 a + b) \sqrt{3 a - b + 3 c - 4 a \cosh[2 x] + 4 c \cosh[2 x] + a \cosh[4 x] + b \cosh[4 x] + c \cosh[4 x] + c \cosh[4 x] } \right) \right]
                                                       2\sqrt{a}\sqrt{(2b^2-8ac+a(3a-b+3c-4aCosh[2x]+4cCosh[2x]+aCosh[4x]+bCosh[4x]+cCosh[4x])}
                                                                                                         b(3a - b + 3c - 4a Cosh[2x] + 4c Cosh[2x] + a Cosh[4x] + b Cosh[4x] + c Cosh[4x]) +
                                                                                                         c(3a-b+3c-4aCosh[2x]+4cCosh[2x]+aCosh[4x]+bCosh[4x]+cCosh[4x])))
                     \frac{1}{\sqrt{a+b+c}} 2 \log \left[ 2 \left( a \sqrt{3 a-b+3 c-4 a \cosh[2 x]+4 c \cosh[2 x]+a \cosh[4 x]+b \cosh[4 x]+c \cosh[4 x]+c \cosh[4 x]} \right) \right]
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b\sqrt{3}a - b + 3c - 4a Cosh[2x] + 4c Cosh[2x] + a Cosh[4x] + b Cosh[4x] + c Cosh[4x] + c Cosh[4x]
                                                                                                                       \sqrt{3} a - b + 3 c - 4 a Cosh[2 x] + 4 c Cosh[2 x] + a Cosh[4 x] + b Cosh[4 x] + c Cosh[4 x] + \sqrt{a + b + c}
                                                                                                                      \sqrt{(2b^2 - 8ac + a(3a - b + 3c - 4aCosh[2x] + 4cCosh[2x] + aCosh[4x] + bCosh[4x] + cCosh[4x])} + cCosh[4x] + cCos
                                                                                                                                                        c (3 a - b + 3 c - 4 a Cosh[2 x] + 4 c Cosh[2 x] + a Cosh[4 x] + b Cosh[4 x] + c Cosh[4 x]))
                                                                                                                                                                                               a Coth[2x] Sinh[x]^{2}
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        a Csch[2x] Sinh[x]2
                             \sqrt{3 a - b + 3 c - 4 (a - c) \cosh[2x] + (a + b + c) \cosh[4x]}
                                                                                                                                                                                                       bCsch[2x]Sinh[x]<sup>2</sup>
                                                  \sqrt{3 a - b + 3 c - 4 (a - c) \cosh[2 x] + (a + b + c) \cosh[4 x]}
                Sinh[2x] (-4 a Sinh[2x] + 4 c Sinh[2x] + 2 a Sinh[4x] + 2 b Sinh[4x] + 2 c Sinh[4x]
16 \left(-a + b + a \cosh[2 x]\right)^{2} \sqrt{3 a - b + 3 c - 4 a \cosh[2 x] + 4 c \cosh[2 x] + a \cosh[4 x] + b \cosh[4 x] + c \cosh[4 x] + c \cosh[4 x]}
                \sqrt{(2b^2 - 8 \text{ a c} + \text{ a } (3 \text{ a} - b + 3 \text{ c} - 4 \text{ a } \text{Cosh}[2x] + 4 \text{ c } \text{Cosh}[2x] + \text{a } \text{Cosh}[4x] + \text{b } \text{Cosh}[4x] + \text{c } \text{Cosh}[4x])}
                                               b \; (3\; a - b + 3\; c - 4\; a\; Cosh[\; 2\; x] \; + \; 4\; c\; Cosh[\; 2\; x] \; + \; a\; Cosh[\; 4\; x] \; + \; b\; Cosh[\; 4\; x] \; + \; c\; Cosh[\; 4\; x] \; ) \; + \; c\; Cosh[\; 4\; x] \; ) \; + \; c\; Cosh[\; 4\; x] \; ) \; + \; c\; Cosh[\; 4\; x] \; ) \; + \; c\; Cosh[\; 4\; x] \; ) \; + \; c\; Cosh[\; 4\; x] \; ) \; + \; c\; Cosh[\; 4\; x] \; ) \; + \; c\; Cosh[\; 4\; x] \; ) \; + \; c\; Cosh[\; 4\; x] \; ) \; + \; c\; Cosh[\; 4\; x] \; ) \; + \; c\; Cosh[\; 4\; x] \; ) \; + \; c\; Cosh[\; 4\; x] \; ) \; + \; c\; Cosh[\; 4\; x] \; ) \; + \; c\; Cosh[\; 4\; x] \; ) \; + \; c\; Cosh[\; 4\; x] \; ) \; + \; c\; Cosh[\; 4\; x] \; ) \; + \; c\; Cosh[\; 4\; x] \; ) \; + \; c\; Cosh[\; 4\; x] \; ) \; + \; c\; Cosh[\; 4\; x] \; ) \; + \; c\; Cosh[\; 4\; x] \; ) \; + \; c\; Cosh[\; 4\; x] \; ) \; + \; c\; Cosh[\; 4\; x] \; ) \; + \; c\; Cosh[\; 4\; x] \; ) \; + \; c\; Cosh[\; 4\; x] \; ) \; + \; c\; Cosh[\; 4\; x] \; ) \; + \; c\; Cosh[\; 4\; x] \; ) \; + \; c\; Cosh[\; 4\; x] \; ) \; + \; c\; Cosh[\; 4\; x] \; ) \; + \; c\; Cosh[\; 4\; x] \; ) \; + \; c\; Cosh[\; 4\; x] \; ) \; + \; c\; Cosh[\; 4\; x] \; ) \; + \; c\; Cosh[\; 4\; x] \; ) \; + \; c\; Cosh[\; 4\; x] \; ) \; + \; c\; Cosh[\; 4\; x] \; ) \; + \; c\; Cosh[\; 4\; x] \; ) \; + \; c\; Cosh[\; 4\; x] \; ) \; + \; c\; Cosh[\; 4\; x] \; ) \; + \; c\; Cosh[\; 4\; x] \; ) \; + \; c\; Cosh[\; 4\; x] \; ) \; + \; c\; Cosh[\; 4\; x] \; ) \; + \; c\; Cosh[\; 4\; x] \; ) \; + \; c\; Cosh[\; 4\; x] \; ) \; + \; c\; Cosh[\; 4\; x] \; ) \; + \; c\; Cosh[\; 4\; x] \; ) \; + \; c\; Cosh[\; 4\; x] \; ) \; + \; c\; Cosh[\; 4\; x] \; ) \; + \; c\; Cosh[\; 4\; x] \; ) \; + \; c\; Cosh[\; 4\; x] \; ) \; + \; c\; Cosh[\; 4\; x] \; ) \; + \; c\; Cosh[\; 4\; x] \; ) \; + \; c\; Cosh[\; 4\; x] \; ) \; + \; c\; Cosh[\; 4\; x] \; ) \; + \; c\; Cosh[\; 4\; x] \; ) \; + \; c\; Cosh[\; 4\; x] \; ) \; + \; c\; Cosh[\; 4\; x] \; + \; c\; Cosh[\; 4\; x] \; ) \; + \; c\; Cosh[\; 4\; x] \; + \; c\; Cosh[\; 4\;
                                                c(3a-b+3c-4aCosh[2x]+4cCosh[2x]+aCosh[4x]+bCosh[4x]+cCosh[4x])
              \sqrt{\left[\frac{1}{a+b+c}\left(-2\,b-4\,c+\sqrt{2}\,\sqrt{\left(2\,b^2-8\,a\,c+a\,\left(3\,a-b+3\,c-4\,a\,Cosh[2\,x]+4\,c\,Cosh[2\,x]+a\,Cosh[4\,x]+b\,Cosh[4\,x]\right.\right)\right]}
                                                                                                                                                        \texttt{cCosh[4\,x])} + \texttt{b} \; (3\,\texttt{a-b+3\,c-4\,a\,Cosh[2\,x]} + 4\,\texttt{cCosh[2\,x]} + \text{aCosh[4\,x]} + \texttt{bCosh[4\,x]} + \texttt{cCosh[4\,x]}) + \texttt{cCosh[4\,x]} + \texttt{c
                                                                                                                    c (3 a - b + 3 c - 4 a Cosh[2 x] + 4 c Cosh[2 x] + a Cosh[4 x] + b Cosh[4 x] + c Cosh[4 x]))
                   2a-2c+\sqrt{2}\sqrt{2b^2-8ac+a(3a-b+3c-4a\cosh[2x]+4c\cosh[2x]+a\cosh[4x]+b\cosh[4x]+c\cosh[4x]+c\cosh[4x])}
                                                                                 \texttt{b} \; (\texttt{3} \; \texttt{a} \; - \; \texttt{b} \; + \; \texttt{3} \; \texttt{c} \; - \; \texttt{4} \; \texttt{a} \; \texttt{Cosh} \; [\texttt{2} \; \texttt{x}] \; + \; \texttt{4} \; \texttt{c} \; \texttt{Cosh} \; [\texttt{2} \; \texttt{x}] \; + \; \texttt{a} \; \texttt{Cosh} \; [\texttt{4} \; \texttt{x}] \; + \; \texttt{b} \; \texttt{Cosh} \; [\texttt{4} \; \texttt{x}] \; + \; \texttt{c} \; \texttt{Cosh} \; [\texttt{4} \; \texttt{x}] \; ) \; + \; \texttt{c} \; \texttt{cosh} \; [\texttt{4} \; \texttt{x}] \; + \; \texttt{c} \; \texttt{cosh} \; [\texttt{4} \; \texttt{x}] \; ) \; + \; \texttt{c} \; \texttt{cosh} \; [\texttt{4} \; \texttt{x}] \; ) \; + \; \texttt{c} \; \texttt{cosh} \; [\texttt{4} \; \texttt{x}] \; + \; \texttt{c} \; \texttt{cosh} \; [\texttt{4} \; \texttt{x}] \; ) \; + \; \texttt{c} \; \texttt{cosh} \; [\texttt{4} \; \texttt{x}] \; ) \; + \; \texttt{c} \; \texttt{cosh} \; [\texttt{4} \; \texttt{x}] \; ) \; + \; \texttt{c} \; \texttt{cosh} \; [\texttt{4} \; \texttt{x}] \; ) \; + \; \texttt{c} \; \texttt{cosh} \; [\texttt{4} \; \texttt{x}] \; ) \; + \; \texttt{c} \; \texttt{cosh} \; [\texttt{4} \; \texttt{x}] \; ) \; + \; \texttt{c} \; \texttt{cosh} \; [\texttt{4} \; \texttt{x}] \; ) \; + \; \texttt{c} \; \texttt{cosh} \; [\texttt{4} \; \texttt{x}] \; ) \; + \; \texttt{c} \; \texttt{cosh} \; [\texttt{4} \; \texttt{x}] \; ) \; + \; \texttt{c} \; \texttt{cosh} \; [\texttt{4} \; \texttt{x}] \; ) \; + \; \texttt{c} \; \texttt{cosh} \; [\texttt{4} \; \texttt{x}] \; ) \; + \; \texttt{c} \; \texttt{cosh} \; [\texttt{4} \; \texttt{x}] \; ) \; + \; \texttt{c} \; \texttt{cosh} \; [\texttt{4} \; \texttt{x}] \; ) \; + \; \texttt{c} \; \texttt{cosh} \; [\texttt{4} \; \texttt{x}] \; ) \; + \; \texttt{c} \; \texttt{cosh} \; [\texttt{4} \; \texttt{x}] \; ) \; + \; \texttt{c} \; \texttt{cosh} \; [\texttt{4} \; \texttt{x}] \; ) \; + \; \texttt{c} \; \texttt{cosh} \; [\texttt{4} \; \texttt{x}] \; ) \; + \; \texttt{c} \; \texttt{cosh} \; [\texttt{4} \; \texttt{x}] \; ) \; + \; \texttt{c} \; \texttt{cosh} \; [\texttt{4} \; \texttt{x}] \; ) \; + \; \texttt{c} \; \texttt{cosh} \; [\texttt{4} \; \texttt{x}] \; ) \; + \; \texttt{c} \; \texttt{cosh} \; [\texttt{4} \; \texttt{x}] \; ) \; + \; \texttt{c} \; \texttt{cosh} \; [\texttt{4} \; \texttt{x}] \; ) \; + \; \texttt{c} \; \texttt{cosh} \; [\texttt{4} \; \texttt{x}] \; ) \; + \; \texttt{c} \; \texttt{cosh} \; [\texttt{4} \; \texttt{x}] \; ) \; + \; \texttt{c} \; \texttt{cosh} \; [\texttt{4} \; \texttt{x}] \; ) \; + \; \texttt{c} \; \texttt{cosh} \; [\texttt{4} \; \texttt{x}] \; ) \; + \; \texttt{c} \; \texttt{cosh} \; [\texttt{4} \; \texttt{x}] \; ) \; + \; \texttt{c} \; \texttt{cosh} \; [\texttt{4} \; \texttt{x}] \; ) \; + \; \texttt{c} \; \texttt{cosh} \; [\texttt{4} \; \texttt{x}] \; ) \; + \; \texttt{c} \; \texttt{cosh} \; [\texttt{4} \; \texttt{x}] \; + \; \texttt{c} \; \texttt{cosh} \; [\texttt{4} \; \texttt{x}] \; + \; \texttt{c} \; \texttt{cosh} \; [\texttt{4} \; \texttt{x}] \; ) \; + \; \texttt{c} \; \texttt{cosh} \; [\texttt{4} \; \texttt{x}] \; + \; \texttt{c} \; \texttt{cosh} \; [\texttt{4} \; \texttt{x}] \; + \; \texttt{c} \; \texttt{cosh} \; [\texttt{4} \; \texttt{x}] \; + \; \texttt{c} \; \texttt{cosh} \; [\texttt{4} \; \texttt{x}] \; + \; \texttt{c} \; \texttt{cosh} \; [\texttt{4} \; \texttt{x}] \; + \; \texttt{c} \; \texttt{cosh} \; [\texttt{4} \; \texttt{x}] \; + \; \texttt{c} \; \texttt{cosh} \; [\texttt{4} \; \texttt{x}] \; + \; \texttt{c} \; \texttt{cosh} \; [\texttt{4} \; \texttt{x}] \; + \; \texttt{c} \; \texttt{cosh} \; [\texttt{4} \; \texttt{x}
                                                                                  c(3a-b+3c-4aCosh[2x]+4cCosh[2x]+aCosh[4x]+bCosh[4x]+cCosh[4x]))
              \sqrt{\left[-1 + \frac{1}{2(a+b+c)} \left(2 a - 2 c + \sqrt{2} \sqrt{(2b^2 - 8 a c + a (3 a - b + 3 c - 4 a Cosh[2x] + 4 c Cosh[2x] + a Cosh[4x] + a Cosh[4x]
                                                                                                                                                                 b \, Cosh[\, 4 \, x] \, + c \, Cosh[\, 4 \, x]\,) \, + b \, (3 \, a - b + 3 \, c - 4 \, a \, Cosh[\, 2 \, x] \, + 4 \, c \, Cosh[\, 2 \, x] \, + a \, Cosh[\, 4 \, x] \, + b \, Cos
                                                                                                                                                                 \texttt{cCosh[4\,x])} + \texttt{c} \; (3\,\texttt{a} - \texttt{b} + 3\,\texttt{c} - 4\,\texttt{aCosh[2\,x]} + 4\,\texttt{cCosh[2\,x]} + \text{aCosh[4\,x]} + \text{bCosh[4\,x]} + \text{bCosh[4\,x]}) \\ )
              \sqrt{\left[1 + \frac{1}{2(a+b+c)} \left(2 a - 2 c + \sqrt{2} \sqrt{(2b^2 - 8 a c + a (3 a - b + 3 c - 4 a Cosh[2x] + 4 c Cosh[2x] + a Cosh[4x] + a Cosh[4x]
```

 $b \, Cosh[4\,x] + c \, Cosh[4\,x]) + b \, (3\,a - b + 3\,c - 4\,a \, Cosh[2\,x] + 4\,c \, Cosh[2\,x] + a \, Cosh[4\,x] + b \, Cosh[4\,x] + b$ 

```
c \, Cosh[4x]) + c \, (3a - b + 3c - 4a \, Cosh[2x] + 4c \, Cosh[2x] + a \, Cosh[4x] + b \, Cosh[4x] + c \, Cosh[4x]))
                    \sqrt{(3 a - b + 3 c - 4 (a - c) Cosh[2 x] + (a + b + c) Cosh[4 x]) Csch[x]^4} +
a (3 a - b + 3 c - 4 (a - c) Cosh[2x] + (a + b + c) Cosh[4x])
                    \left(2\,a\,\sqrt{3\,a-b+3\,c-4\,a\,Cosh\,[\,2\,x\,]\,+4\,c\,Cosh\,[\,2\,x\,]\,+a\,Cosh\,[\,4\,x\,]\,+b\,Cosh\,[\,4\,x\,]\,+c\,Cosh\,[\,4\,x\,]}\right.\\ +\left(2\,a\,\sqrt{3\,a-b+3\,c-4\,a\,Cosh\,[\,2\,x\,]\,+4\,c\,Cosh\,[\,2\,x\,]\,+a\,Cosh\,[\,4\,x\,]\,+b\,Cosh\,[\,4\,x\,]\,+c\,Cosh\,[\,4\,x\,]\,+c\,Cosh\,[\,4\,x\,]\,+c\,Cosh\,[\,4\,x\,]\,+c\,Cosh\,[\,4\,x\,]\,+c\,Cosh\,[\,4\,x\,]\,+c\,Cosh\,[\,4\,x\,]\,+c\,Cosh\,[\,4\,x\,]\,+c\,Cosh\,[\,4\,x\,]\,+c\,Cosh\,[\,4\,x\,]\,+c\,Cosh\,[\,4\,x\,]\,+c\,Cosh\,[\,4\,x\,]\,+c\,Cosh\,[\,4\,x\,]\,+c\,Cosh\,[\,4\,x\,]\,+c\,Cosh\,[\,4\,x\,]\,+c\,Cosh\,[\,4\,x\,]\,+c\,Cosh\,[\,4\,x\,]\,+c\,Cosh\,[\,4\,x\,]\,+c\,Cosh\,[\,4\,x\,]\,+c\,Cosh\,[\,4\,x\,]\,+c\,Cosh\,[\,4\,x\,]\,+c\,Cosh\,[\,4\,x\,]\,+c\,Cosh\,[\,4\,x\,]\,+c\,Cosh\,[\,4\,x\,]\,+c\,Cosh\,[\,4\,x\,]\,+c\,Cosh\,[\,4\,x\,]\,+c\,Cosh\,[\,4\,x\,]\,+c\,Cosh\,[\,4\,x\,]\,+c\,Cosh\,[\,4\,x\,]\,+c\,Cosh\,[\,4\,x\,]\,+c\,Cosh\,[\,4\,x\,]\,+c\,Cosh\,[\,4\,x\,]\,+c\,Cosh\,[\,4\,x\,]\,+c\,Cosh\,[\,4\,x\,]\,+c\,Cosh\,[\,4\,x\,]\,+c\,Cosh\,[\,4\,x\,]\,+c\,Cosh\,[\,4\,x\,]\,+c\,Cosh\,[\,4\,x\,]\,+c\,Cosh\,[\,4\,x\,]\,+c\,Cosh\,[\,4\,x\,]\,+c\,Cosh\,[\,4\,x\,]\,+c\,Cosh\,[\,4\,x\,]\,+c\,Cosh\,[\,4\,x\,]\,+c\,Cosh\,[\,4\,x\,]\,+c\,Cosh\,[\,4\,x\,]\,+c\,Cosh\,[\,4\,x\,]\,+c\,Cosh\,[\,4\,x\,]\,+c\,Cosh\,[\,4\,x\,]\,+c\,Cosh\,[\,4\,x\,]\,+c\,Cosh\,[\,4\,x\,]\,+c\,Cosh\,[\,4\,x\,]\,+c\,Cosh\,[\,4\,x\,]\,+c\,Cosh\,[\,4\,x\,]\,+c\,Cosh\,[\,4\,x\,]\,+c\,Cosh\,[\,4\,x\,]\,+c\,Cosh\,[\,4\,x\,]\,+c\,Cosh\,[\,4\,x\,]\,+c\,Cosh\,[\,4\,x\,]\,+c\,Cosh\,[\,4\,x\,]\,+c\,Cosh\,[\,4\,x\,]\,+c\,Cosh\,[\,4\,x\,]\,+c\,Cosh\,[\,4\,x\,]\,+c\,Cosh\,[\,4\,x\,]\,+c\,Cosh\,[\,4\,x\,]\,+c\,Cosh\,[\,4\,x\,]\,+c\,Cosh\,[\,4\,x\,]\,+c\,Cosh\,[\,4\,x\,]\,+c\,Cosh\,[\,4\,x\,]\,+c\,Cosh\,[\,4\,x\,]\,+c\,Cosh\,[\,4\,x\,]\,+c\,Cosh\,[\,4\,x\,]\,+c\,Cosh\,[\,4\,x\,]\,+c\,Cosh\,[\,4\,x\,]\,+c\,Cosh\,[\,4\,x\,]\,+c\,Cosh\,[\,4\,x\,]\,+c\,Cosh\,[\,4\,x\,]\,+c\,Cosh\,[\,4\,x\,]\,+c\,Cosh\,[\,4\,x\,]\,+c\,Cosh\,[\,4\,x\,]\,+c\,Cosh\,[\,4\,x\,]\,+c\,Cosh\,[\,4\,x\,]\,+c\,Cosh\,[\,4\,x\,]\,+c\,Cosh\,[\,4\,x\,]\,+c\,Cosh\,[\,4\,x\,]\,+c\,Cosh\,[\,4\,x\,]\,+c\,Cosh\,[\,4\,x\,]\,+c\,Cosh\,[\,4\,x\,]\,+c\,Cosh\,[\,4\,x\,]\,+c\,Cosh\,[\,4\,x\,]\,+c\,Cosh\,[\,4\,x\,]\,+c\,Cosh\,[\,4\,x\,]\,+c\,Cosh\,[\,4\,x\,]\,+c\,Cosh\,[\,4\,x\,]\,+c\,Cosh\,[\,4\,x\,]\,+c\,Cosh\,[\,4\,x\,]\,+c\,Cosh\,[\,4\,x\,]\,+c\,Cosh\,[\,4\,x\,]\,+c\,Cosh\,[\,4\,x\,]\,+c\,Cosh\,[\,4\,x\,]\,+c\,Cosh\,[\,4\,x\,]\,+c\,Cosh\,[\,4\,x\,]\,+c\,Cosh\,[\,4\,x\,]\,+c\,Cosh\,[\,4\,x\,]\,+c\,Cosh\,[\,4\,x\,]\,+c\,Cosh\,[\,4\,x\,]\,+c\,Cosh\,[\,4\,x\,]\,+c\,Cosh\,[\,4\,x\,]\,+c\,Cosh\,[\,4\,x\,]\,+c\,Cosh\,[\,4\,x\,]\,+c\,Cosh\,[\,4\,x\,]\,+c\,Cosh\,[\,4\,x\,]\,+c\,Cosh\,[\,4\,x\,]\,+c\,Cosh\,[\,4\,x\,]\,+c\,Cosh\,[\,4\,x\,]\,+c\,Cosh\,[\,4\,x\,]\,+c\,Cosh\,[\,4\,x\,]\,+c\,Cosh\,[\,4\,x
                                       2 b \sqrt{3 a - b + 3 c - 4 a Cosh[2 x] + 4 c Cosh[2 x] + a Cosh[4 x] + b Cosh[4 x] + c Cosh[4 x]} +
                                       2 c \sqrt{3 a - b + 3 c - 4 a Cosh[2 x] + 4 c Cosh[2 x] + a Cosh[4 x] + b Cosh[4 x] + c Cosh[4 x]}
                    \sqrt{\left(\frac{1}{a+b+c}\left(4\,a+2\,b+\sqrt{2}\,\sqrt{\left(2\,b^2-8\,a\,c+a\,\left(3\,a-b+3\,c-4\,a\,Cosh[2\,x]+4\,c\,Cosh[2\,x]+a\,Cosh[4\,x]+b\,Cosh[4\,x]\right)\right)}\right)}
                                                                                                                                       \verb| c Cosh[4x]| + b (3a-b+3c-4aCosh[2x]+4cCosh[2x]+aCosh[4x]+bCosh[4x]+cCosh[4x]) + | c Cosh[4x]| + | c Cosh
                                                                                                           \texttt{c} \; \left( \; 3 \; \texttt{a} \; - \; \texttt{b} \; + \; 3 \; \texttt{c} \; - \; 4 \; \texttt{a} \; \texttt{Cosh}[\; 2 \; \texttt{x} \; ] \; + \; 4 \; \texttt{c} \; \texttt{Cosh}[\; 2 \; \texttt{x} \; ] \; + \; \texttt{a} \; \texttt{Cosh}[\; 4 \; \texttt{x} \; ] \; + \; \texttt{b} \; \texttt{Cosh}[\; 4 \; \texttt{x} \; ] \; + \; \texttt{c} \; \texttt{Cosh}[\; 4 \; \texttt{x} \; ] \; \right) \; \right) \; | \; \texttt{c} \; | \;
                                                                                                    \frac{\operatorname{ArcTanh}\Big[\frac{\sqrt{3\,\mathsf{a-b+3}\,\mathsf{c-4}\,\mathsf{a}\,\operatorname{Cosh}[\,2\,x\,]\,+\,\mathsf{d}\,\mathsf{c}\,\operatorname{Cosh}[\,4\,x\,]\,+\,\mathsf{b}\,\operatorname{Cosh}[\,4\,x\,]\,+\,\mathsf{b}\,\operatorname{Cosh}[\,4\,x\,]\,+\,\mathsf{c}\,\operatorname{Cosh}[\,4\,x\,]}{2\,\sqrt{2}\,\sqrt{\mathsf{a}}}\Big]}{\sqrt{\mathsf{a}}}
                    Csch[x]^2
                                      \frac{1}{\sqrt{a}} \operatorname{ArcTanh} \left[ \left( (2 \text{ a} + \text{b}) \sqrt{3 \text{ a} - \text{b} + 3 \text{ c} - 4 \text{ a} \operatorname{Cosh}[2 \text{ x}] + 4 \text{ c} \operatorname{Cosh}[4 \text{ x}] + \operatorname{b} \operatorname{Cosh}[4 \text{ x}] + \operatorname{b} \operatorname{Cosh}[4 \text{ x}] + \operatorname{c} \operatorname{Cosh}[4 \text{ x}] \right] \right) \right/ e^{-\frac{1}{2}} \left[ \frac{1}{\sqrt{a}} \operatorname{ArcTanh} \left[ \left( (2 \text{ a} + \text{b}) \sqrt{3 \text{ a} - \text{b} + 3 \text{ c} - 4 \text{ a} \operatorname{Cosh}[2 \text{ x}] + 4 \text{ c} \operatorname{Cosh}[4 \text{ x}] + \operatorname{b} \operatorname{Cosh}[4 \text{ x}] + \operatorname{b} \operatorname{Cosh}[4 \text{ x}] + \operatorname{c} \operatorname{Cosh}[4 \text{ x}] \right) \right] \right] \right] 
                                                                      2\sqrt{a}\sqrt{(2b^2-8ac+a(3a-b+3c-4aCosh[2x]+4cCosh[2x]+aCosh[4x]+bCosh[4x]+cCosh[4x])}
                                                                                                                   b\ (3\ a-b+3\ c-4\ a\ Cosh \lceil 2\ x\rceil\ +\ 4\ c\ Cosh \lceil 2\ x\rceil\ +\ a\ Cosh \lceil 4\ x\rceil\ +\ b\ Cosh \lceil 4\ x\rceil\ +\ c\ Cosh \lceil 4\ x\rceil\ )\ +\ c\ Cosh \lceil 4\ x\rceil\ )
                                                                                                                   c(3a-b+3c-4aCosh[2x]+4cCosh[2x]+aCosh[4x]+bCosh[4x]+cCosh[4x])))
                                        \frac{1}{\sqrt{a+b+c}} 2 \log \left[ 2 \left( a \sqrt{3 a-b+3 c-4 a \cosh[2 x]+4 c \cosh[2 x]+a \cosh[4 x]+b \cosh[4 x]+b \cosh[4 x]+c \cosh[4 x]} \right. \right. + \\ \left. \frac{1}{\sqrt{a+b+c}} \left( a \sqrt{3 a-b+3 c-4 a \cosh[2 x]+4 c \cosh[2 x]+a \cosh[4 x]+b \cosh[4 x]} \right) \right] + \\ \left[ \frac{1}{\sqrt{a+b+c}} \left( a \sqrt{3 a-b+3 c-4 a \cosh[2 x]+4 c \cosh[2 x]+a \cosh[4 x]+b \cosh[4 x]+b \cosh[4 x]+c \cosh[4 x]+
                                                                                                b\sqrt{3}a - b + 3c - 4a Cosh[2x] + 4c Cosh[2x] + a Cosh[4x] + b Cosh[4x] + c Cosh[4x] + c Cosh[4x]
                                                                                                           \sqrt{3} a - b + 3 c - 4 a Cosh[2 x] + 4 c Cosh[2 x] + a Cosh[4 x] + b Cosh[4 x] + c Cosh[4 x] + \sqrt{a + b + c}
                                                                                                           \sqrt{(2b^2 - 8 a c + a (3 a - b + 3 c - 4 a Cosh[2x] + 4 c Cosh[2x] + a Cosh[4x] + b Cosh[4x] + c Cosh[4x])}
                                                                                                                                     b (3a - b + 3c - 4a Cosh[2x] + 4c Cosh[2x] + a Cosh[4x] + b Cosh[4x] + c Cosh[4x]) +
                                                                                                                                      c (3 a - b + 3 c - 4 a Cosh[2 x] + 4 c Cosh[2 x] + a Cosh[4 x] + b Cosh[4 x] + c Cosh[4 x]))
```

```
a Coth[2x] Sinh[x]^{2}
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  a \operatorname{Csch}[2x] \operatorname{Sinh}[x]^2
                          \sqrt{3} a - b + 3 c - 4 (a - c) \cosh[2x] + (a + b + c) \cosh[4x] \sqrt{3} a - b + 3 c - 4 (a - c) \cosh[2x] + (a + b + c) \cosh[4x]
                                                                                                                                                                                                 b \operatorname{Csch}[2x] \operatorname{Sinh}[x]^2
                                       \sqrt{3 a - b + 3 c - 4 (a - c) \cosh[2 x] + (a + b + c) \cosh[4 x]}
            Sinh[2\,x] \,\, (-4\,a\,Sinh[2\,x] \,\,+\, 4\,c\,Sinh[2\,x] \,\,+\, 2\,a\,Sinh[4\,x] \,\,+\, 2\,b\,Sinh[4\,x] \,\,+\, 2\,c\,Sinh[4\,x] \,\,)
16(-a+b+a \cosh[2x])\sqrt{3}a-b+3c-4a \cosh[2x]+4c \cosh[2x]+a \cosh[4x]+b \cosh[4x]+c \cosh[4x]
              \sqrt{(2b^2 - 8ac + a(3a - b + 3c - 4aCosh[2x] + 4cCosh[2x] + aCosh[4x] + bCosh[4x] + bCosh[4x])} + cCosh[4x])
                                             b \; (3 \; a \; -b \; + \; 3 \; c \; -4 \; a \; Cosh[\; 2 \; x] \; + \; 4 \; c \; Cosh[\; 2 \; x] \; + \; a \; Cosh[\; 4 \; x] \; + \; b \; Cosh[\; 4 \; x] \; + \; c \; Cosh[\; 4 \; x] \; ) \; + \; c \; Cosh[\; 4 \; x] \; ) \; + \; c \; Cosh[\; 4 \; x] \; ) \; + \; c \; Cosh[\; 4 \; x] \; ) \; + \; c \; Cosh[\; 4 \; x] \; ) \; + \; c \; Cosh[\; 4 \; x] \; ) \; + \; c \; Cosh[\; 4 \; x] \; ) \; + \; c \; Cosh[\; 4 \; x] \; ) \; + \; c \; Cosh[\; 4 \; x] \; ) \; + \; c \; Cosh[\; 4 \; x] \; ) \; + \; c \; Cosh[\; 4 \; x] \; ) \; + \; c \; Cosh[\; 4 \; x] \; ) \; + \; c \; Cosh[\; 4 \; x] \; ) \; + \; c \; Cosh[\; 4 \; x] \; ) \; + \; c \; Cosh[\; 4 \; x] \; ) \; + \; c \; Cosh[\; 4 \; x] \; ) \; + \; c \; Cosh[\; 4 \; x] \; ) \; + \; c \; Cosh[\; 4 \; x] \; ) \; + \; c \; Cosh[\; 4 \; x] \; ) \; + \; c \; Cosh[\; 4 \; x] \; ) \; + \; c \; Cosh[\; 4 \; x] \; ) \; + \; c \; Cosh[\; 4 \; x] \; ) \; + \; c \; Cosh[\; 4 \; x] \; ) \; + \; c \; Cosh[\; 4 \; x] \; ) \; + \; c \; Cosh[\; 4 \; x] \; ) \; + \; c \; Cosh[\; 4 \; x] \; ) \; + \; c \; Cosh[\; 4 \; x] \; ) \; + \; c \; Cosh[\; 4 \; x] \; ) \; + \; c \; Cosh[\; 4 \; x] \; ) \; + \; c \; Cosh[\; 4 \; x] \; ) \; + \; c \; Cosh[\; 4 \; x] \; ) \; + \; c \; Cosh[\; 4 \; x] \; ) \; + \; c \; Cosh[\; 4 \; x] \; ) \; + \; c \; Cosh[\; 4 \; x] \; ) \; + \; c \; Cosh[\; 4 \; x] \; ) \; + \; c \; Cosh[\; 4 \; x] \; ) \; + \; c \; Cosh[\; 4 \; x] \; ) \; + \; c \; Cosh[\; 4 \; x] \; ) \; + \; c \; Cosh[\; 4 \; x] \; ) \; + \; c \; Cosh[\; 4 \; x] \; ) \; + \; c \; Cosh[\; 4 \; x] \; ) \; + \; c \; Cosh[\; 4 \; x] \; ) \; + \; c \; Cosh[\; 4 \; x] \; ) \; + \; c \; Cosh[\; 4 \; x] \; ) \; + \; c \; Cosh[\; 4 \; x] \; ) \; + \; c \; Cosh[\; 4 \; x] \; ) \; + \; c \; Cosh[\; 4 \; x] \; ) \; + \; c \; Cosh[\; 4 \; x] \; ) \; + \; c \; Cosh[\; 4 \; x] \; ) \; + \; c \; Cosh[\; 4 \; x] \; ) \; + \; c \; Cosh[\; 4 \; x] \; ) \; + \; c \; Cosh[\; 4 \; x] \; ) \; + \; c \; Cosh[\; 4 \; x] \; ) \; + \; c \; Cosh[\; 4 \; x] \; + \; c \; Cosh[\; 4 \; x] \; ) \; + \; c \; Cosh[\; 4 \; x] \; ) \; + \; c \; Cosh[\; 4 \; x] \; + \; c \; Cosh[\; 4 \; x] \; + \; c \; Cosh[\; 4 \; x] \; + \; c \; Cosh[\; 4 \; x] \; + \; c \; Cosh[\; 4 \; x] \; + \; c \; Cosh[\; 4 \; x] \; + \; c \; Cosh[\; 4 \; x] \; + \; c \; Cosh[\; 4 \; x] \; + \; c \; Cosh[\; 4 \; x] \; + \; c \; Cosh[\; 4 \; x] \; + \; c \; Cosh[\; 4 \; x] \; + \; c \; Cosh[\; 4 \; x] \; + \; c \; Cosh[\; 4 \; x] \; + \; c \; Cosh[\; 4 \; x] \; + \; c \; Cosh
                                                \texttt{c} \; \left( \; 3 \; a \; - \; b \; + \; 3 \; c \; - \; 4 \; a \; Cosh[\; 2 \; x] \; + \; 4 \; c \; Cosh[\; 2 \; x] \; + \; a \; Cosh[\; 4 \; x] \; + \; b \; Cosh[\; 4 \; x] \; + \; c \; Cosh[\; 4 \; x] \; \right) \; \right) \; \\
            \sqrt{\left[\frac{1}{a+b+c}\left(-2\,b-4\,c+\sqrt{2}\,\,\sqrt{\left(2\,b^2-8\,a\,c+a\,\left(3\,a-b+3\,c-4\,a\,Cosh[\,2\,x]\,+4\,c\,Cosh[\,2\,x]\,+a\,Cosh[\,4\,x]\,+b\,Cosh[\,4\,x]\,+b\,Cosh[\,4\,x]\,+b\,Cosh[\,4\,x]\,+b\,Cosh[\,4\,x]\,+b\,Cosh[\,4\,x]\,+b\,Cosh[\,4\,x]\,+b\,Cosh[\,4\,x]\,+b\,Cosh[\,4\,x]\,+b\,Cosh[\,4\,x]\,+b\,Cosh[\,4\,x]\,+b\,Cosh[\,4\,x]\,+b\,Cosh[\,4\,x]\,+b\,Cosh[\,4\,x]\,+b\,Cosh[\,4\,x]\,+b\,Cosh[\,4\,x]\,+b\,Cosh[\,4\,x]\,+b\,Cosh[\,4\,x]\,+b\,Cosh[\,4\,x]\,+b\,Cosh[\,4\,x]\,+b\,Cosh[\,4\,x]\,+b\,Cosh[\,4\,x]\,+b\,Cosh[\,4\,x]\,+b\,Cosh[\,4\,x]\,+b\,Cosh[\,4\,x]\,+b\,Cosh[\,4\,x]\,+b\,Cosh[\,4\,x]\,+b\,Cosh[\,4\,x]\,+b\,Cosh[\,4\,x]\,+b\,Cosh[\,4\,x]\,+b\,Cosh[\,4\,x]\,+b\,Cosh[\,4\,x]\,+b\,Cosh[\,4\,x]\,+b\,Cosh[\,4\,x]\,+b\,Cosh[\,4\,x]\,+b\,Cosh[\,4\,x]\,+b\,Cosh[\,4\,x]\,+b\,Cosh[\,4\,x]\,+b\,Cosh[\,4\,x]\,+b\,Cosh[\,4\,x]\,+b\,Cosh[\,4\,x]\,+b\,Cosh[\,4\,x]\,+b\,Cosh[\,4\,x]\,+b\,Cosh[\,4\,x]\,+b\,Cosh[\,4\,x]\,+b\,Cosh[\,4\,x]\,+b\,Cosh[\,4\,x]\,+b\,Cosh[\,4\,x]\,+b\,Cosh[\,4\,x]\,+b\,Cosh[\,4\,x]\,+b\,Cosh[\,4\,x]\,+b\,Cosh[\,4\,x]\,+b\,Cosh[\,4\,x]\,+b\,Cosh[\,4\,x]\,+b\,Cosh[\,4\,x]\,+b\,Cosh[\,4\,x]\,+b\,Cosh[\,4\,x]\,+b\,Cosh[\,4\,x]\,+b\,Cosh[\,4\,x]\,+b\,Cosh[\,4\,x]\,+b\,Cosh[\,4\,x]\,+b\,Cosh[\,4\,x]\,+b\,Cosh[\,4\,x]\,+b\,Cosh[\,4\,x]\,+b\,Cosh[\,4\,x]\,+b\,Cosh[\,4\,x]\,+b\,Cosh[\,4\,x]\,+b\,Cosh[\,4\,x]\,+b\,Cosh[\,4\,x]\,+b\,Cosh[\,4\,x]\,+b\,Cosh[\,4\,x]\,+b\,Cosh[\,4\,x]\,+b\,Cosh[\,4\,x]\,+b\,Cosh[\,4\,x]\,+b\,Cosh[\,4\,x]\,+b\,Cosh[\,4\,x]\,+b\,Cosh[\,4\,x]\,+b\,Cosh[\,4\,x]\,+b\,Cosh[\,4\,x]\,+b\,Cosh[\,4\,x]\,+b\,Cosh[\,4\,x]\,+b\,Cosh[\,4\,x]\,+b\,Cosh[\,4\,x]\,+b\,Cosh[\,4\,x]\,+b\,Cosh[\,4\,x]\,+b\,Cosh[\,4\,x]\,+b\,Cosh[\,4\,x]\,+b\,Cosh[\,4\,x]\,+b\,Cosh[\,4\,x]\,+b\,Cosh[\,4\,x]\,+b\,Cosh[\,4\,x]\,+b\,Cosh[\,4\,x]\,+b\,Cosh[\,4\,x]\,+b\,Cosh[\,4\,x]\,+b\,Cosh[\,4\,x]\,+b\,Cosh[\,4\,x]\,+b\,Cosh[\,4\,x]\,+b\,Cosh[\,4\,x]\,+b\,Cosh[\,4\,x]\,+b\,Cosh[\,4\,x]\,+b\,Cosh[\,4\,x]\,+b\,Cosh[\,4\,x]\,+b\,Cosh[\,4\,x]\,+b\,Cosh[\,4\,x]\,+b\,Cosh[\,4\,x]\,+b\,Cosh[\,4\,x]\,+b\,Cosh[\,4\,x]\,+b\,Cosh[\,4\,x]\,+b\,Cosh[\,4\,x]\,+b\,Cosh[\,4\,x]\,+b\,Cosh[\,4\,x]\,+b\,Cosh[\,4\,x]\,+b\,Cosh[\,4\,x]\,+b\,Cosh[\,4\,x]\,+b\,Cosh[\,4\,x]\,+b\,Cosh[\,4\,x]\,+b\,Cosh[\,4\,x]\,+b\,Cosh[\,4\,x]\,+b\,Cosh[\,4\,x]\,+b\,Cosh[\,4\,x]\,+b\,Cosh[\,4\,x]\,+b\,Cosh[\,4\,x]\,+b\,Cosh[\,4\,x]\,+b\,Cosh[\,4\,x]\,+b\,Cosh[\,4\,x]\,+b\,Cosh[\,4\,x]\,+b\,Cosh[\,4\,x]\,+b\,Cosh[\,4\,x]\,+b\,Cosh[\,4\,x]\,+b\,Cosh[\,4\,x]\,+b\,Cosh[\,4\,x]\,+b\,Cosh[\,4\,x]\,+b\,Cosh[\,4\,x]\,+b\,Cosh[\,4\,x]\,+b\,Cosh[\,4\,x]\,+b\,Cosh[\,4\,x]\,+b\,Cosh[\,4\,x]\,+b\,Cosh[\,4\,x]\,+b\,Cosh[\,4\,x]\,+b\,Co
                                                                                                                                                \texttt{c} \; \texttt{Cosh[4\,x])} \; + \; \texttt{b} \; (3\; \texttt{a} \; - \; \texttt{b} \; + \; 3\; \texttt{c} \; - \; 4\; \texttt{a} \; \texttt{Cosh[2\,x]} \; + \; 4\; \texttt{c} \; \texttt{Cosh[2\,x]} \; + \; \texttt{a} \; \texttt{Cosh[4\,x]} \; + \; \texttt{b} \; \texttt{Cosh[4\,x]} \; + \; \texttt{c} \; \texttt{Cosh[4\,x]}) \; + \; \texttt{c} \; \texttt{cosh[4\,x]} \; + 
                                                                                                               c (3 a - b + 3 c - 4 a Cosh[2 x] + 4 c Cosh[2 x] + a Cosh[4 x] + b Cosh[4 x] + c Cosh[4 x]))
                 2a-2c+\sqrt{2}\sqrt{2b^2-8ac+a(3a-b+3c-4a\cosh[2x]+4c\cosh[2x]+a\cosh[4x]+b\cosh[4x]+b\cosh[4x]+c\cosh[4x])}
                                                                             c (3 a - b + 3 c - 4 a Cosh[2 x] + 4 c Cosh[2 x] + a Cosh[4 x] + b Cosh[4 x] + c Cosh[4 x]))
                        \int \left(-1 + \frac{1}{2(a+b+c)} \left(2a-2c+\sqrt{2}\sqrt{2b^2-8ac+a(3a-b+3c-4aCosh[2x]+4cCosh[2x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCos
                                                                                                                                                           b \, Cosh[4\,x] + c \, Cosh[4\,x]) + b \, (3\,a - b + 3\,c - 4\,a \, Cosh[2\,x] + 4\,c \, Cosh[2\,x] + a \, Cosh[4\,x] + b 
                                                                                                                                                             c \cosh[4x] + c (3a - b + 3c - 4a \cosh[2x] + 4c \cosh[2x] + a \cosh[4x] + b \cosh[4x] + c \cosh[4x])
            \sqrt{\left[1 + \frac{1}{2 (a + b + c)} \left(2 a - 2 c + \sqrt{2} \sqrt{2 b^2 - 8 a c + a (3 a - b + 3 c - 4 a Cosh[2 x] + 4 c Cosh[2 x] + a Cosh[4 x
                                                                                                                                                             b \, Cosh[4 \, x] + c \, Cosh[4 \, x]) + b \, (3 \, a - b + 3 \, c - 4 \, a \, Cosh[2 \, x] + 4 \, c \, Cosh[2 \, x] + a \, Cosh[4 \, x] + b \, Cosh[4 \,
                                                                                                                                                           c \cosh[4x] + c (3a - b + 3c - 4a \cosh[2x] + 4c \cosh[2x] + a \cosh[4x] + b \cosh[4x] + c \cosh[4x])
              \sqrt{(3 a - b + 3 c - 4 (a - c) Cosh[2 x] + (a + b + c) Cosh[4 x]) Csch[x]^{4}}
               (\,3\;a-b+3\;c-4\;(a-c)\;Cosh[\,2\,x\,]\,+\,(a+b+c)\;Cosh[\,4\,x\,]\,)
                  2 \text{ a} \sqrt{3 \text{ a} - \text{b} + 3 \text{ c} - 4 \text{ a} \text{ Cosh}[2 \text{ x}] + 4 \text{ c} \text{ Cosh}[2 \text{ x}] + \text{a} \text{ Cosh}[4 \text{ x}] + \text{b} \text{ Cosh}[4 \text{ x}] + \text{c} \text{ Cosh}[4 \text{ x}]}
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2 b \sqrt{3 a - b + 3 c - 4 a \cosh[2 x] + 4 c \cosh[2 x] + a \cosh[4 x] + b \cosh[4 x] + c \cosh[4 x]} + c \cosh[4 x]
                  2 c \sqrt{3 a - b + 3 c - 4 a Cosh[2 x] + 4 c Cosh[2 x] + a Cosh[4 x] + b Cosh[4 x] + c Cosh[4 x]}
\sqrt{\left[\frac{1}{a+b+a}\left(4\,a+2\,b+\sqrt{2}\,\sqrt{\left(2\,b^2-8\,a\,c+a\,\left(3\,a-b+3\,c-4\,a\,Cosh[2\,x]+4\,c\,Cosh[2\,x]+a\,Cosh[4\,x]+b\,Cosh[4\,x]+b\,Cosh[4\,x]+b\,Cosh[4\,x]+b\,Cosh[4\,x]+b\,Cosh[4\,x]+b\,Cosh[4\,x]+b\,Cosh[4\,x]+b\,Cosh[4\,x]+b\,Cosh[4\,x]+b\,Cosh[4\,x]+b\,Cosh[4\,x]+b\,Cosh[4\,x]+b\,Cosh[4\,x]+b\,Cosh[4\,x]+b\,Cosh[4\,x]+b\,Cosh[4\,x]+b\,Cosh[4\,x]+b\,Cosh[4\,x]+b\,Cosh[4\,x]+b\,Cosh[4\,x]+b\,Cosh[4\,x]+b\,Cosh[4\,x]+b\,Cosh[4\,x]+b\,Cosh[4\,x]+b\,Cosh[4\,x]+b\,Cosh[4\,x]+b\,Cosh[4\,x]+b\,Cosh[4\,x]+b\,Cosh[4\,x]+b\,Cosh[4\,x]+b\,Cosh[4\,x]+b\,Cosh[4\,x]+b\,Cosh[4\,x]+b\,Cosh[4\,x]+b\,Cosh[4\,x]+b\,Cosh[4\,x]+b\,Cosh[4\,x]+b\,Cosh[4\,x]+b\,Cosh[4\,x]+b\,Cosh[4\,x]+b\,Cosh[4\,x]+b\,Cosh[4\,x]+b\,Cosh[4\,x]+b\,Cosh[4\,x]+b\,Cosh[4\,x]+b\,Cosh[4\,x]+b\,Cosh[4\,x]+b\,Cosh[4\,x]+b\,Cosh[4\,x]+b\,Cosh[4\,x]+b\,Cosh[4\,x]+b\,Cosh[4\,x]+b\,Cosh[4\,x]+b\,Cosh[4\,x]+b\,Cosh[4\,x]+b\,Cosh[4\,x]+b\,Cosh[4\,x]+b\,Cosh[4\,x]+b\,Cosh[4\,x]+b\,Cosh[4\,x]+b\,Cosh[4\,x]+b\,Cosh[4\,x]+b\,Cosh[4\,x]+b\,Cosh[4\,x]+b\,Cosh[4\,x]+b\,Cosh[4\,x]+b\,Cosh[4\,x]+b\,Cosh[4\,x]+b\,Cosh[4\,x]+b\,Cosh[4\,x]+b\,Cosh[4\,x]+b\,Cosh[4\,x]+b\,Cosh[4\,x]+b\,Cosh[4\,x]+b\,Cosh[4\,x]+b\,Cosh[4\,x]+b\,Cosh[4\,x]+b\,Cosh[4\,x]+b\,Cosh[4\,x]+b\,Cosh[4\,x]+b\,Cosh[4\,x]+b\,Cosh[4\,x]+b\,Cosh[4\,x]+b\,Cosh[4\,x]+b\,Cosh[4\,x]+b\,Cosh[4\,x]+b\,Cosh[4\,x]+b\,Cosh[4\,x]+b\,Cosh[4\,x]+b\,Cosh[4\,x]+b\,Cosh[4\,x]+b\,Cosh[4\,x]+b\,Cosh[4\,x]+b\,Cosh[4\,x]+b\,Cosh[4\,x]+b\,Cosh[4\,x]+b\,Cosh[4\,x]+b\,Cosh[4\,x]+b\,Cosh[4\,x]+b\,Cosh[4\,x]+b\,Cosh[4\,x]+b\,Cosh[4\,x]+b\,Cosh[4\,x]+b\,Cosh[4\,x]+b\,Cosh[4\,x]+b\,Cosh[4\,x]+b\,Cosh[4\,x]+b\,Cosh[4\,x]+b\,Cosh[4\,x]+b\,Cosh[4\,x]+b\,Cosh[4\,x]+b\,Cosh[4\,x]+b\,Cosh[4\,x]+b\,Cosh[4\,x]+b\,Cosh[4\,x]+b\,Cosh[4\,x]+b\,Cosh[4\,x]+b\,Cosh[4\,x]+b\,Cosh[4\,x]+b\,Cosh[4\,x]+b\,Cosh[4\,x]+b\,Cosh[4\,x]+b\,Cosh[4\,x]+b\,Cosh[4\,x]+b\,Cosh[4\,x]+b\,Cosh[4\,x]+b\,Cosh[4\,x]+b\,Cosh[4\,x]+b\,Cosh[4\,x]+b\,Cosh[4\,x]+b\,Cosh[4\,x]+b\,Cosh[4\,x]+b\,Cosh[4\,x]+b\,Cosh[4\,x]+b\,Cosh[4\,x]+b\,Cosh[4\,x]+b\,Cosh[4\,x]+b\,Cosh[4\,x]+b\,Cosh[4\,x]+b\,Cosh[4\,x]+b\,Cosh[4\,x]+b\,Cosh[4\,x]+b\,Cosh[4\,x]+b\,Cosh[4\,x]+b\,Cosh[4\,x]+b\,Cosh[4\,x]+b\,Cosh[4\,x]+b\,Cosh[4\,x]+b\,Cosh[4\,x]+b\,Cosh[4\,x]+b\,Cosh[4\,x]+b\,Cosh[4\,x]+b\,Cosh[4\,x]+b\,Cosh[4\,x]+b\,Cosh[4\,x]+b\,Cosh[4\,x]+b\,Cosh[4\,x]+b\,Cosh[4\,x]+b\,Cosh[4\,x]+b\,Cosh[4\,x]+b\,Cosh[4\,x]+b\,Cosh[4\,x]+
                                                                                                                \verb| c Cosh[4x]| + b (3a-b+3c-4aCosh[2x]+4cCosh[2x]+aCosh[4x]+bCosh[4x]+cCosh[4x]) + | c Cosh[4x]| + | c Cosh
                                                                                   c (3 a - b + 3 c - 4 a Cosh[2 x] + 4 c Cosh[2 x] + a Cosh[4 x] + b Cosh[4 x] + c Cosh[4 x]))
                                                                                ArcTanh \left[ \begin{array}{c} \sqrt{3 \text{ a-b+3 c-4 a } \text{Cosh}[2 \text{ x}] + 4 \text{ c } \text{Cosh}[2 \text{ x}] + a \text{ Cosh}[4 \text{ x}] + b \text{ Cosh}[4 \text{ x}] + c \text{ Cosh}[4 \text{ x}]} \\ \end{array} \right]
Csch[x]^2
                 \frac{1}{\sqrt{2}} \operatorname{ArcTanh} \left[ \left( (2 \text{ a} + \text{b}) \sqrt{3 \text{ a} - \text{b} + 3 \text{ c} - 4 \text{ a} \operatorname{Cosh}[2 \text{ x}] + 4 \text{ c} \operatorname{Cosh}[2 \text{ x}] + \operatorname{a} \operatorname{Cosh}[4 \text{ x}] + \operatorname{b} \operatorname{Cosh}[4 \text{ x}] + \operatorname{c} \operatorname{Cosh}[4 \text{ x}] \right] \right] 
                                                 2\sqrt{a}\sqrt{(2b^2-8ac+a(3a-b+3c-4aCosh[2x]+4cCosh[2x]+aCosh[4x]+bCosh[4x]+cCosh[4x])}
                                                                                            b\ (3\ a-b+3\ c-4\ a\ Cosh \lceil 2\ x\rceil\ +\ 4\ c\ Cosh \lceil 2\ x\rceil\ +\ a\ Cosh \lceil 4\ x\rceil\ +\ b\ Cosh \lceil 4\ x\rceil\ +\ c\ Cosh \lceil 4\ x\rceil\ )\ +\ c\ Cosh \lceil 4\ x\rceil\ )
                                                                                              c(3a-b+3c-4aCosh[2x]+4cCosh[2x]+aCosh[4x]+bCosh[4x]+cCosh[4x])))
                  \frac{1}{\sqrt{a+b+c}} 2 \log \left[ 2 \left( a \sqrt{3 a-b+3 c-4 a \cosh[2 x]+4 c \cosh[2 x]+a \cosh[4 x]+b \cosh[4 x]+b \cosh[4 x]+c \cosh[4 x]} \right. \right. + \left. \frac{1}{\sqrt{a+b+c}} \left( a \sqrt{3 a-b+3 c-4 a \cosh[2 x]+4 c \cosh[2 x]+a \cosh[4 x]+b \cosh[4 x]+b \cosh[4 x]} \right) \right] + \left. \frac{1}{\sqrt{a+b+c}} \left( a \sqrt{3 a-b+3 c-4 a \cosh[2 x]+4 c \cosh[2 x]+a \cosh[4 x]+b \cosh[4 x]+b \cosh[4 x]+b \cosh[4 x]+c \cosh[4 x]+b \cosh[4 x]+b \cosh[4 x]+c \cosh[4 x]+b \cosh[
                                                                        b\sqrt{3}a - b + 3c - 4a \cosh[2x] + 4c \cosh[2x] + a \cosh[4x] + b \cosh[4x] + c \cosh[4x] + c
                                                                                   \sqrt{3 \, a - b + 3 \, c - 4 \, a \, Cosh[2 \, x] + 4 \, c \, Cosh[2 \, x] + a \, Cosh[4 \, x] + b \, Cosh[4 \, x] + c \, Cosh[4 \, x] + \sqrt{a + b + c}}
                                                                                    \sqrt{(2b^2 - 8ac + a(3a - b + 3c - 4aCosh[2x] + 4cCosh[2x] + aCosh[4x] + bCosh[4x] + cCosh[4x])} + cCosh[4x] + cCos
                                                                                                                b \; (3 \; a - b + 3 \; c - 4 \; a \; Cosh[2 \; x] \; + \; 4 \; c \; Cosh[2 \; x] \; + \; a \; Cosh[4 \; x] \; + \; b \; Cosh[4 \; x] \; + \; c \; Cosh[4 \; x]) \; + \; c \; Cosh[4 \; x] \; + \; c \; Cos
                                                                                                               c (3 a - b + 3 c - 4 a Cosh[2 x] + 4 c Cosh[2 x] + a Cosh[4 x] + b Cosh[4 x] + c Cosh[4 x]))
                                                                                                                                               a Coth[2x] Sinh[x]^2
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   a \operatorname{Csch}[2x] \operatorname{Sinh}[x]^2
           \sqrt{3 a - b + 3 c - 4 (a - c) \cosh[2 x] + (a + b + c) \cosh[4 x]}
                                                                                                                                                                                                                                                                                                                                                                                                                                                                 \sqrt{3 a - b + 3 c - 4 (a - c) \cosh[2 x] + (a + b + c) \cosh[4 x]}
                                                                                                                                                        b \operatorname{Csch}[2x] \operatorname{Sinh}[x]^2
                       \sqrt{3 a - b + 3 c - 4 (a - c) \cosh[2 x] + (a + b + c) \cosh[4 x]}
   (-4 \text{ a Sinh}[2 \text{ x}] + 4 \text{ c Sinh}[2 \text{ x}] + 2 \text{ a Sinh}[4 \text{ x}] + 2 \text{ b Sinh}[4 \text{ x}] + 2 \text{ c Sinh}[4 \text{ x}])
   (-8 \text{ a Sinh}[2 \text{ x}] + 8 \text{ c Sinh}[2 \text{ x}] + 4 \text{ a Sinh}[4 \text{ x}] + 4 \text{ b Sinh}[4 \text{ x}] + 4 \text{ c Sinh}[4 \text{ x}])
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64 \, \left(-a + b + a \, \text{Cosh}[\, 2 \, x]\,\right) \, \left(3 \, a - b + 3 \, c - 4 \, a \, \text{Cosh}[\, 2 \, x]\, + 4 \, c \, \text{Cosh}[\, 2 \, x]\, + a \, \text{Cosh}[\, 4 \, x]\, + b \, \text{Cosh}[\, 4 \, x]\, + c \, \text{Cosh}[\, 4 \, x]\,\right)^{3/2}
             \sqrt{(2b^2 - 8ac + a(3a - b + 3c - 4aCosh[2x] + 4cCosh[2x] + aCosh[4x] + bCosh[4x] + cCosh[4x])}
                                               \texttt{b} \; ( \; \texttt{3} \; \texttt{a} \; - \; \texttt{b} \; + \; \texttt{3} \; \texttt{c} \; - \; \texttt{4} \; \texttt{a} \; \texttt{Cosh} [ \; \texttt{2} \; \texttt{x} ] \; + \; \texttt{4} \; \texttt{c} \; \texttt{Cosh} [ \; \texttt{2} \; \texttt{x} ] \; + \; \texttt{a} \; \texttt{Cosh} [ \; \texttt{4} \; \texttt{x} ] \; + \; \texttt{b} \; \texttt{Cosh} [ \; \texttt{4} \; \texttt{x} ] \; + \; \texttt{c} \; \texttt{Cosh} [ \; \texttt{4} \; \texttt{x} ] \; ) \; + \; \texttt{cosh} [ \; \texttt{4} \; \texttt{x} ] \; + \; \texttt{cosh} [ \; \texttt{4} \; \texttt{x} ] \; + \; \texttt{cosh} [ \; \texttt{4} \; \texttt{x} ] \; + \; \texttt{cosh} [ \; \texttt{4} \; \texttt{x} ] \; + \; \texttt{cosh} [ \; \texttt{4} \; \texttt{x} ] \; + \; \texttt{cosh} [ \; \texttt{4} \; \texttt{x} ] \; + \; \texttt{cosh} [ \; \texttt{4} \; \texttt{x} ] \; + \; \texttt{cosh} [ \; \texttt{4} \; \texttt{x} ] \; + \; \texttt{cosh} [ \; \texttt{4} \; \texttt{x} ] \; + \; \texttt{cosh} [ \; \texttt{4} \; \texttt{x} ] \; + \; \texttt{cosh} [ \; \texttt{4} \; \texttt{x} ] \; + \; \texttt{cosh} [ \; \texttt{4} \; \texttt{x} ] \; + \; \texttt{cosh} [ \; \texttt{4} \; \texttt{x} ] \; + \; \texttt{cosh} [ \; \texttt{4} \; \texttt{x} ] \; + \; \texttt{cosh} [ \; \texttt{4} \; \texttt{x} ] \; + \; \texttt{cosh} [ \; \texttt{4} \; \texttt{x} ] \; + \; \texttt{cosh} [ \; \texttt{4} \; \texttt{x} ] \; + \; \texttt{cosh} [ \; \texttt{4} \; \texttt{x} ] \; + \; \texttt{cosh} [ \; \texttt{4} \; \texttt{x} ] \; + \; \texttt{cosh} [ \; \texttt{4} \; \texttt{x} ] \; + \; \texttt{cosh} [ \; \texttt{4} \; \texttt{x} ] \; + \; \texttt{cosh} [ \; \texttt{4} \; \texttt{x} ] \; + \; \texttt{cosh} [ \; \texttt{4} \; \texttt{x} ] \; + \; \texttt{cosh} [ \; \texttt{4} \; \texttt{x} ] \; + \; \texttt{cosh} [ \; \texttt{4} \; \texttt{x} ] \; + \; \texttt{cosh} [ \; \texttt{4} \; \texttt{x} ] \; + \; \texttt{cosh} [ \; \texttt{4} \; \texttt{x} ] \; + \; \texttt{cosh} [ \; \texttt{4} \; \texttt{x} ] \; + \; \texttt{cosh} [ \; \texttt{4} \; \texttt{x} ] \; + \; \texttt{cosh} [ \; \texttt{4} \; \texttt{x} ] \; + \; \texttt{cosh} [ \; \texttt{4} \; \texttt{x} ] \; + \; \texttt{cosh} [ \; \texttt{4} \; \texttt{x} ] \; + \; \texttt{cosh} [ \; \texttt{4} \; \texttt{x} ] \; + \; \texttt{cosh} [ \; \texttt{4} \; \texttt{x} ] \; + \; \texttt{cosh} [ \; \texttt{4} \; \texttt{x} ] \; + \; \texttt{cosh} [ \; \texttt{4} \; \texttt{x} ] \; + \; \texttt{cosh} [ \; \texttt{4} \; \texttt{x} ] \; + \; \texttt{cosh} [ \; \texttt{4} \; \texttt{x} ] \; + \; \texttt{cosh} [ \; \texttt{4} \; \texttt{x} ] \; + \; \texttt{cosh} [ \; \texttt{4} \; \texttt{x} ] \; + \; \texttt{cosh} [ \; \texttt{4} \; \texttt{x} ] \; + \; \texttt{cosh} [ \; \texttt{4} \; \texttt{x} ] \; + \; \texttt{cosh} [ \; \texttt{4} \; \texttt{x} ] \; + \; \texttt{cosh} [ \; \texttt{4} \; \texttt{x} ] \; + \; \texttt{cosh} [ \; \texttt{4} \; \texttt{x} ] \; + \; \texttt{cosh} [ \; \texttt{4} \; \texttt{x} ] \; + \; \texttt{cosh} [ \; \texttt{4} \; \texttt{x} ] \; + \; \texttt{cosh} [ \; \texttt{4} \; \texttt{x} ] \; + \; \texttt{cosh} [ \; \texttt{4} \; \texttt{x} ] \; + \; \texttt{cosh} [ \; \texttt{4} \; \texttt{x} ] \; + \; \texttt{cosh} [ \; \texttt{4} \; \texttt{x} ] \; + \; \texttt{cosh} [ \; \texttt{4} \; \texttt{x} ] \; + \; \texttt{cosh} [ \; \texttt{4} \; \texttt{x} ] \; + \; \texttt{cosh} [ \; \texttt{4} \; \texttt{x} ] \; + \; \texttt{cosh} [ \; \texttt{4} \; \texttt{x} ] \; + \; \texttt{cosh} [ \; 
                                                c(3a-b+3c-4aCosh[2x]+4cCosh[2x]+aCosh[4x]+bCosh[4x]+cCosh[4x])
             \texttt{c} \; \texttt{Cosh} \; [\; 4 \; \mathbf{x} \; ] \; ) \; + \; \texttt{b} \; (\; 3 \; \mathbf{a} \; - \; \mathbf{b} \; + \; 3 \; \mathbf{c} \; - \; 4 \; \mathbf{a} \; \texttt{Cosh} \; [\; 2 \; \mathbf{x} \; ] \; + \; 4 \; \mathbf{c} \; \texttt{Cosh} \; [\; 2 \; \mathbf{x} \; ] \; + \; \mathbf{a} \; \texttt{Cosh} \; [\; 4 \; \mathbf{x} \; ] \; + \; \mathbf{b} \; \texttt{Cosh} \; [\; 4 \; \mathbf{x} \; ] \; + \; \mathbf{c} \; \texttt{Cosh} \; [\; 4 \; \mathbf{x} \; ] \; ) \; + \; \mathbf{c} \; \texttt{Cosh} \; [\; 4 \; \mathbf{x} \; ] \; + \; \mathbf{c} \; \texttt{Cosh} \; [\; 4 \; \mathbf{x} \; ] \; + \; \mathbf{c} \; \texttt{Cosh} \; [\; 4 \; \mathbf{x} \; ] \; + \; \mathbf{c} \; \texttt{Cosh} \; [\; 4 \; \mathbf{x} \; ] \; + \; \mathbf{c} \; \texttt{Cosh} \; [\; 4 \; \mathbf{x} \; ] \; + \; \mathbf{c} \; \texttt{Cosh} \; [\; 4 \; \mathbf{x} \; ] \; + \; \mathbf{c} \; \texttt{Cosh} \; [\; 4 \; \mathbf{x} \; ] \; + \; \mathbf{c} \; \texttt{Cosh} \; [\; 4 \; \mathbf{x} \; ] \; + \; \mathbf{c} \; \texttt{Cosh} \; [\; 4 \; \mathbf{x} \; ] \; + \; \mathbf{c} \; \texttt{Cosh} \; [\; 4 \; \mathbf{x} \; ] \; + \; \mathbf{c} \; \texttt{Cosh} \; [\; 4 \; \mathbf{x} \; ] \; + \; \mathbf{c} \; \texttt{Cosh} \; [\; 4 \; \mathbf{x} \; ] \; + \; \mathbf{c} \; \texttt{Cosh} \; [\; 4 \; \mathbf{x} \; ] \; + \; \mathbf{c} \; \texttt{Cosh} \; [\; 4 \; \mathbf{x} \; ] \; + \; \mathbf{c} \; \texttt{Cosh} \; [\; 4 \; \mathbf{x} \; ] \; + \; \mathbf{c} \; \texttt{Cosh} \; [\; 4 \; \mathbf{x} \; ] \; + \; \mathbf{c} \; \texttt{Cosh} \; [\; 4 \; \mathbf{x} \; ] \; + \; \mathbf{c} \; \texttt{Cosh} \; [\; 4 \; \mathbf{x} \; ] \; + \; \mathbf{c} \; \texttt{Cosh} \; [\; 4 \; \mathbf{x} \; ] \; + \; \mathbf{c} \; \texttt{Cosh} \; [\; 4 \; \mathbf{x} \; ] \; + \; \mathbf{c} \; \texttt{Cosh} \; [\; 4 \; \mathbf{x} \; ] \; + \; \mathbf{c} \; \texttt{Cosh} \; [\; 4 \; \mathbf{x} \; ] \; + \; \mathbf{c} \; \texttt{Cosh} \; [\; 4 \; \mathbf{x} \; ] \; + \; \mathbf{c} \; \texttt{Cosh} \; [\; 4 \; \mathbf{x} \; ] \; + \; \mathbf{c} \; \texttt{Cosh} \; [\; 4 \; \mathbf{x} \; ] \; + \; \mathbf{c} \; \texttt{Cosh} \; [\; 4 \; \mathbf{x} \; ] \; + \; \mathbf{c} \; \texttt{Cosh} \; [\; 4 \; \mathbf{x} \; ] \; + \; \mathbf{c} \; \texttt{Cosh} \; [\; 4 \; \mathbf{x} \; ] \; + \; \mathbf{c} \; \texttt{Cosh} \; [\; 4 \; \mathbf{x} \; ] \; + \; \mathbf{c} \; \texttt{Cosh} \; [\; 4 \; \mathbf{x} \; ] \; + \; \mathbf{c} \; \texttt{Cosh} \; [\; 4 \; \mathbf{x} \; ] \; + \; \mathbf{c} \; \texttt{Cosh} \; [\; 4 \; \mathbf{x} \; ] \; + \; \mathbf{c} \; \texttt{Cosh} \; [\; 4 \; \mathbf{x} \; ] \; + \; \mathbf{c} \; \texttt{Cosh} \; [\; 4 \; \mathbf{x} \; ] \; + \; \mathbf{c} \; \texttt{Cosh} \; [\; 4 \; \mathbf{x} \; ] \; + \; \mathbf{c} \; \texttt{Cosh} \; [\; 4 \; \mathbf{x} \; ] \; + \; \mathbf{c} \; \texttt{Cosh} \; [\; 4 \; \mathbf{x} \; ] \; + \; \mathbf{c} \; \texttt{Cosh} \; [\; 4 \; \mathbf{x} \; ] \; + \; \mathbf{c} \; \texttt{Cosh} \; [\; 4 \; \mathbf{x} \; ] \; + \; \mathbf{c} \; \texttt{Cosh} \; [\; 4 \; \mathbf{x} \; ] \; + \; \mathbf{c} \; \texttt{Cosh} \; [\; 4 \; \mathbf{x} \; ] \; + \; \mathbf{c} \; \texttt{Cosh} \; [\; 4 \; \mathbf{x} \; ] \; + \; \mathbf{c} \; \texttt{Cosh} \; [\; 4 \; \mathbf{x} \; ] \; + \; \mathbf{c} \; \texttt{Cosh} \; [\; 4 \; \mathbf{x} \; ] \; + \; \mathbf{c} \; \texttt{Cosh} \; [\; 4 \; \mathbf{x
                                                                                                                      c (3 a - b + 3 c - 4 a Cosh[2 x] + 4 c Cosh[2 x] + a Cosh[4 x] + b Cosh[4 x] + c Cosh[4 x]))
                2a-2c+\sqrt{2}\sqrt{2b^2-8ac+a(3a-b+3c-4a\cosh[2x]+4c\cosh[2x]+a\cosh[4x]+b\cosh[4x]+c\cosh[4x])}
                                                                                    b \; (3 \; a - b + 3 \; c - 4 \; a \; Cosh[2 \; x] \; + \; 4 \; c \; Cosh[2 \; x] \; + \; a \; Cosh[4 \; x] \; + \; b \; Cosh[4 \; x] \; + \; c \; Cosh[4 \; x]) \; + \; c \; Cosh[4 \; x] \; + \; c \; Cos
                                                                                   c(3a-b+3c-4aCosh[2x]+4cCosh[2x]+aCosh[4x]+bCosh[4x]+cCosh[4x]))
             \sqrt{\left[-1 + \frac{1}{2(a+b+c)} \left(2 a - 2 c + \sqrt{2} \sqrt{(2b^2 - 8 a c + a (3 a - b + 3 c - 4 a Cosh[2x] + 4 c Cosh[2x] + a Cosh[4x] + a Cosh[4x]
                                                                                                                                                                     b \, Cosh[\, 4\, x] \, + c \, Cosh[\, 4\, x]\,) \, + b \, (\, 3\, a \, - \, b \, + \, 3\, \, c \, - \, 4\, a \, Cosh[\, 2\, x] \, + \, 4\, c \, Cosh[\, 2\, x] \, + \, a \, Cosh[\, 4\, x] \, + \, b \, Cosh[\, 4\, x] \, + \, 
                                                                                                                                                                     c \cosh[4x] + c (3a - b + 3c - 4a \cosh[2x] + 4c \cosh[2x] + a \cosh[4x] + b \cosh[4x] + c \cosh[4x])
             \sqrt{\left(1 + \frac{1}{2(a+b+c)} \left(2a-2c+\sqrt{2}\sqrt{(2b^2-8ac+a(3a-b+3c-4aCosh[2x]+4cCosh[2x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh
                                                                                                                                                                       b \, Cosh[\, 4 \, x] \, + c \, Cosh[\, 4 \, x] \, ) \, + b \, (\, 3 \, a - b + 3 \, c - 4 \, a \, Cosh[\, 2 \, x] \, + 4 \, c \, Cosh[\, 2 \, x] \, + a \, Cosh[\, 4 \, x] \, + b \,
                                                                                                                                                                     3 a - b + 3 c + (-4 a + 4 c) Cosh[2 x] + (a + b + c) Cosh[4 x]
                                                                                                                                                                                                                                   (1 + Cosh[2x])^2
               Coth[x]
               Csch[x]^2
               Log[b+2 a Tanh[x]^2 + 2\sqrt{a} \sqrt{c+b Tanh[x]^2 + a Tanh[x]^4}]
                                                                                                                                                                                                  a Coth[2x] Sinh[x]^{2}
                            \sqrt{3 a - b + 3 c - 4 (a - c) \cosh[2 x] + (a + b + c) \cosh[4 x]}
                                                                                                                                                                                                             a \operatorname{Csch}[2x] \operatorname{Sinh}[x]^2
                                           \sqrt{3 a - b + 3 c - 4 (a - c) \cosh[2 x] + (a + b + c) \cosh[4 x]}
                                                                                                                                                                                                            b \operatorname{Csch}[2x] \operatorname{Sinh}[x]^2
                                         \sqrt{3 a - b + 3 c - 4 (a - c) \cosh[2 x] + (a + b + c) \cosh[4 x]}
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(-8 (a-c) Sinh[2x] + 4 (a+b+c) Sinh[4x])
        \left( 8 \sqrt{2} \sqrt{a} \left( -a + b + a \cosh[2 x] \right) \sqrt{3 a - b + 3 c + \left( -4 a + 4 c \right) \cosh[2 x] + \left( a + b + c \right) \cosh[4 x]} \sqrt{\left( 3 a - b + 3 c - 4 \left( a - c \right) \cosh[2 x] + \left( a + b + c \right) \cosh[4 x] \right) \cosh[4 x]} \right) + 
 a \, \text{Cosh}[\, 2 \, x] \, \left( 2 \, a \, \sqrt{\, 3 \, a \, - \, b \, + \, 3 \, c \, - \, 4 \, a \, \text{Cosh}[\, 2 \, x] \, + \, 4 \, c \, \, \text{Cosh}[\, 2 \, x] \, + \, a \, \, \text{Cosh}[\, 4 \, x] \, + \, b \, \, \text{Cosh}[\, 4 \, x] \, + \, c \, \, \text{Cosh}[\, 4 \, x] \, + \, c \, \, \text{Cosh}[\, 4 \, x] \, + \, c \, \, \text{Cosh}[\, 4 \, x] \, + \, c \, \, \text{Cosh}[\, 4 \, x] \, + \, c \, \, \text{Cosh}[\, 4 \, x] \, + \, c \, \, \text{Cosh}[\, 4 \, x] \, + \, c \, \, \text{Cosh}[\, 4 \, x] \, + \, c \, \, \text{Cosh}[\, 4 \, x] \, + \, c \, \, \text{Cosh}[\, 4 \, x] \, + \, c \, \, \text{Cosh}[\, 4 \, x] \, + \, c \, \, \text{Cosh}[\, 4 \, x] \, + \, c \, \, \text{Cosh}[\, 4 \, x] \, + \, c \, \, \text{Cosh}[\, 4 \, x] \, + \, c \, \, \text{Cosh}[\, 4 \, x] \, + \, c \, \, \text{Cosh}[\, 4 \, x] \, + \, c \, \, \text{Cosh}[\, 4 \, x] \, + \, c \, \, \text{Cosh}[\, 4 \, x] \, + \, c \, \, \text{Cosh}[\, 4 \, x] \, + \, c \, \, \text{Cosh}[\, 4 \, x] \, + \, c \, \, \text{Cosh}[\, 4 \, x] \, + \, c \, \, \text{Cosh}[\, 4 \, x] \, + \, c \, \, \text{Cosh}[\, 4 \, x] \, + \, c \, \, \text{Cosh}[\, 4 \, x] \, + \, c \, \, \text{Cosh}[\, 4 \, x] \, + \, c \, \, \text{Cosh}[\, 4 \, x] \, + \, c \, \, \text{Cosh}[\, 4 \, x] \, + \, c \, \, \text{Cosh}[\, 4 \, x] \, + \, c \, \, \text{Cosh}[\, 4 \, x] \, + \, c \, \, \text{Cosh}[\, 4 \, x] \, + \, c \, \, \text{Cosh}[\, 4 \, x] \, + \, c \, \, \text{Cosh}[\, 4 \, x] \, + \, c \, \, \text{Cosh}[\, 4 \, x] \, + \, c \, \, \text{Cosh}[\, 4 \, x] \, + \, c \, \, \text{Cosh}[\, 4 \, x] \, + \, c \, \, \text{Cosh}[\, 4 \, x] \, + \, c \, \, \text{Cosh}[\, 4 \, x] \, + \, c \, \, \text{Cosh}[\, 4 \, x] \, + \, c \, \, \text{Cosh}[\, 4 \, x] \, + \, c \, \, \text{Cosh}[\, 4 \, x] \, + \, c \, \, \text{Cosh}[\, 4 \, x] \, + \, c \, \, \text{Cosh}[\, 4 \, x] \, + \, c \, \, \text{Cosh}[\, 4 \, x] \, + \, c \, \, \text{Cosh}[\, 4 \, x] \, + \, c \, \, \text{Cosh}[\, 4 \, x] \, + \, c \, \, \text{Cosh}[\, 4 \, x] \, + \, c \, \, \text{Cosh}[\, 4 \, x] \, + \, c \, \, \text{Cosh}[\, 4 \, x] \, + \, c \, \, \text{Cosh}[\, 4 \, x] \, + \, c \, \, \text{Cosh}[\, 4 \, x] \, + \, c \, \, \text{Cosh}[\, 4 \, x] \, + \, c \, \, \text{Cosh}[\, 4 \, x] \, + \, c \, \, \text{Cosh}[\, 4 \, x] \, + \, c \, \, \text{Cosh}[\, 4 \, x] \, + \, c \, \, \text{Cosh}[\, 4 \, x] \, + \, c \, \, \text{Cosh}[\, 4 \, x] \, + \, c \, \, \text{Cosh}[\, 4 \, x] \, + \, c \, \, \text{Cosh}[\, 4 \, x] \, + \, c \, \, \text{Cosh}[\, 4 \, x] \, + \, c \, \, \text{Cosh}[\, 4 \, x] \, + \, c \, \, \text{Cosh}[\, 4 \, x] \, + \, c \, \, \text{Cosh}[\, 4 \, x] \, + \, c \, \, \text{Cosh}[\, 4 \, x] \, + \, c \, \, \text{Cosh}[\, 4 \, x] \, + \, c \, \, \text{Cosh}[\, 4 \, x] \,
                                                                             2 b \sqrt{3 a - b + 3 c - 4 a \cosh[2 x] + 4 c \cosh[2 x] + a \cosh[4 x] + b \cosh[4 x] + c \cosh[4 x]}
                                                                             2 c \sqrt{3 a - b + 3 c - 4 a Cosh[2 x] + 4 c Cosh[2 x] + a Cosh[4 x] + b Cosh[4 x] + c Cosh[4 x]}
                                         \sqrt{\left[\frac{1}{a+b+a}\left(4\,a+2\,b+\sqrt{2}\,\sqrt{\left(2\,b^2-8\,a\,c+a\,\left(3\,a-b+3\,c-4\,a\,Cosh[2\,x]+4\,c\,Cosh[2\,x]+a\,Cosh[4\,x]+b\,Cosh[4\,x]+b\,Cosh[4\,x]+b\,Cosh[4\,x]+b\,Cosh[4\,x]+b\,Cosh[4\,x]+b\,Cosh[4\,x]+b\,Cosh[4\,x]+b\,Cosh[4\,x]+b\,Cosh[4\,x]+b\,Cosh[4\,x]+b\,Cosh[4\,x]+b\,Cosh[4\,x]+b\,Cosh[4\,x]+b\,Cosh[4\,x]+b\,Cosh[4\,x]+b\,Cosh[4\,x]+b\,Cosh[4\,x]+b\,Cosh[4\,x]+b\,Cosh[4\,x]+b\,Cosh[4\,x]+b\,Cosh[4\,x]+b\,Cosh[4\,x]+b\,Cosh[4\,x]+b\,Cosh[4\,x]+b\,Cosh[4\,x]+b\,Cosh[4\,x]+b\,Cosh[4\,x]+b\,Cosh[4\,x]+b\,Cosh[4\,x]+b\,Cosh[4\,x]+b\,Cosh[4\,x]+b\,Cosh[4\,x]+b\,Cosh[4\,x]+b\,Cosh[4\,x]+b\,Cosh[4\,x]+b\,Cosh[4\,x]+b\,Cosh[4\,x]+b\,Cosh[4\,x]+b\,Cosh[4\,x]+b\,Cosh[4\,x]+b\,Cosh[4\,x]+b\,Cosh[4\,x]+b\,Cosh[4\,x]+b\,Cosh[4\,x]+b\,Cosh[4\,x]+b\,Cosh[4\,x]+b\,Cosh[4\,x]+b\,Cosh[4\,x]+b\,Cosh[4\,x]+b\,Cosh[4\,x]+b\,Cosh[4\,x]+b\,Cosh[4\,x]+b\,Cosh[4\,x]+b\,Cosh[4\,x]+b\,Cosh[4\,x]+b\,Cosh[4\,x]+b\,Cosh[4\,x]+b\,Cosh[4\,x]+b\,Cosh[4\,x]+b\,Cosh[4\,x]+b\,Cosh[4\,x]+b\,Cosh[4\,x]+b\,Cosh[4\,x]+b\,Cosh[4\,x]+b\,Cosh[4\,x]+b\,Cosh[4\,x]+b\,Cosh[4\,x]+b\,Cosh[4\,x]+b\,Cosh[4\,x]+b\,Cosh[4\,x]+b\,Cosh[4\,x]+b\,Cosh[4\,x]+b\,Cosh[4\,x]+b\,Cosh[4\,x]+b\,Cosh[4\,x]+b\,Cosh[4\,x]+b\,Cosh[4\,x]+b\,Cosh[4\,x]+b\,Cosh[4\,x]+b\,Cosh[4\,x]+b\,Cosh[4\,x]+b\,Cosh[4\,x]+b\,Cosh[4\,x]+b\,Cosh[4\,x]+b\,Cosh[4\,x]+b\,Cosh[4\,x]+b\,Cosh[4\,x]+b\,Cosh[4\,x]+b\,Cosh[4\,x]+b\,Cosh[4\,x]+b\,Cosh[4\,x]+b\,Cosh[4\,x]+b\,Cosh[4\,x]+b\,Cosh[4\,x]+b\,Cosh[4\,x]+b\,Cosh[4\,x]+b\,Cosh[4\,x]+b\,Cosh[4\,x]+b\,Cosh[4\,x]+b\,Cosh[4\,x]+b\,Cosh[4\,x]+b\,Cosh[4\,x]+b\,Cosh[4\,x]+b\,Cosh[4\,x]+b\,Cosh[4\,x]+b\,Cosh[4\,x]+b\,Cosh[4\,x]+b\,Cosh[4\,x]+b\,Cosh[4\,x]+b\,Cosh[4\,x]+b\,Cosh[4\,x]+b\,Cosh[4\,x]+b\,Cosh[4\,x]+b\,Cosh[4\,x]+b\,Cosh[4\,x]+b\,Cosh[4\,x]+b\,Cosh[4\,x]+b\,Cosh[4\,x]+b\,Cosh[4\,x]+b\,Cosh[4\,x]+b\,Cosh[4\,x]+b\,Cosh[4\,x]+b\,Cosh[4\,x]+b\,Cosh[4\,x]+b\,Cosh[4\,x]+b\,Cosh[4\,x]+b\,Cosh[4\,x]+b\,Cosh[4\,x]+b\,Cosh[4\,x]+b\,Cosh[4\,x]+b\,Cosh[4\,x]+b\,Cosh[4\,x]+b\,Cosh[4\,x]+b\,Cosh[4\,x]+b\,Cosh[4\,x]+b\,Cosh[4\,x]+b\,Cosh[4\,x]+b\,Cosh[4\,x]+b\,Cosh[4\,x]+b\,Cosh[4\,x]+b\,Cosh[4\,x]+b\,Cosh[4\,x]+b\,Cosh[4\,x]+b\,Cosh[4\,x]+b\,Cosh[4\,x]+b\,Cosh[4\,x]+b\,Cosh[4\,x]+b\,Cosh[4\,x]+b\,Cosh[4\,x]+b\,Cosh[4\,x]+b\,Cosh[4\,x]+b\,Cosh[4\,x]+b\,Cosh[4\,x]+b\,Cosh[4\,x]+b\,Cosh[4\,x]+b\,Cosh[4\,x]+b\,Cosh[4\,x]+b\,Cosh[4\,x]+b\,Cosh[4\,x]+b\,Cosh[4\,x]+b\,Cosh[4\,x]+b\,Cosh[4\,x]+
                                                                                                                                                                                                                                                                 \texttt{c} \; \texttt{Cosh[4\,x]} \;) \; + \; \texttt{b} \; (3 \; \texttt{a} \; - \; \texttt{b} \; + \; 3 \; \texttt{c} \; - \; 4 \; \texttt{a} \; \texttt{Cosh[2\,x]} \; + \; 4 \; \texttt{c} \; \texttt{Cosh[2\,x]} \; + \; \texttt{a} \; \texttt{Cosh[4\,x]} \; + \; \texttt{b} \; \texttt{Cosh[4\,x]} \; + \; \texttt{c} \; \texttt{Cosh[4\,x]} \;) \; + \; \texttt{c} \; \texttt{cosh[4\,x]} \; + \; \texttt{cosh[4\,x]} \; + \; \texttt{c} \; \texttt{cosh[4\,x]} \; + \; 
                                                                                                                                                                                                           c (3 a - b + 3 c - 4 a Cosh[2 x] + 4 c Cosh[2 x] + a Cosh[4 x] + b Cosh[4 x] + c Cosh[4 x]))
                                         Csch[x]^2
                                                                          \frac{1}{\sqrt{a}} \operatorname{ArcTanh} \left[ \left( (2 a + b) \sqrt{3 a - b + 3 c - 4 a \operatorname{Cosh}[2 x] + 4 c \operatorname{Cosh}[2 x] + a \operatorname{Cosh}[4 x] + b \operatorname{Cosh}[4 x] + c \operatorname{Cosh}[4 x]} \right) \right/
                                                                                                                                        \left(2\,\sqrt{a}\,\,\sqrt{\left(2\,b^2\,-\,8\,a\,c\,+\,a\,\left(3\,a\,-\,b\,+\,3\,c\,-\,4\,a\,Cosh[\,2\,x\,]\,+\,4\,c\,Cosh[\,2\,x\,]\,+\,a\,Cosh[\,4\,x\,]\,+\,b\,Cosh[\,4\,x\,]\,+\,b\,Cosh[\,4\,x\,]\,+\,c\,Cosh[\,4\,x\,]\,\right)\,+\,3\,c\,-\,4\,a\,Cosh[\,2\,x\,]\,+\,4\,c\,Cosh[\,2\,x\,]\,+\,a\,Cosh[\,4\,x\,]\,+\,b\,Cosh[\,4\,x\,]\,+\,b\,Cosh[\,4\,x\,]\,+\,c\,Cosh[\,4\,x\,]\,+\,c\,Cosh[\,4\,x\,]\,+\,c\,Cosh[\,4\,x\,]\,+\,c\,Cosh[\,4\,x\,]\,+\,c\,Cosh[\,4\,x\,]\,+\,c\,Cosh[\,4\,x\,]\,+\,c\,Cosh[\,4\,x\,]\,+\,c\,Cosh[\,4\,x\,]\,+\,c\,Cosh[\,4\,x\,]\,+\,c\,Cosh[\,4\,x\,]\,+\,c\,Cosh[\,4\,x\,]\,+\,c\,Cosh[\,4\,x\,]\,+\,c\,Cosh[\,4\,x\,]\,+\,c\,Cosh[\,4\,x\,]\,+\,c\,Cosh[\,4\,x\,]\,+\,c\,Cosh[\,4\,x\,]\,+\,c\,Cosh[\,4\,x\,]\,+\,c\,Cosh[\,4\,x\,]\,+\,c\,Cosh[\,4\,x\,]\,+\,c\,Cosh[\,4\,x\,]\,+\,c\,Cosh[\,4\,x\,]\,+\,c\,Cosh[\,4\,x\,]\,+\,c\,Cosh[\,4\,x\,]\,+\,c\,Cosh[\,4\,x\,]\,+\,c\,Cosh[\,4\,x\,]\,+\,c\,Cosh[\,4\,x\,]\,+\,c\,Cosh[\,4\,x\,]\,+\,c\,Cosh[\,4\,x\,]\,+\,c\,Cosh[\,4\,x\,]\,+\,c\,Cosh[\,4\,x\,]\,+\,c\,Cosh[\,4\,x\,]\,+\,c\,Cosh[\,4\,x\,]\,+\,c\,Cosh[\,4\,x\,]\,+\,c\,Cosh[\,4\,x\,]\,+\,c\,Cosh[\,4\,x\,]\,+\,c\,Cosh[\,4\,x\,]\,+\,c\,Cosh[\,4\,x\,]\,+\,c\,Cosh[\,4\,x\,]\,+\,c\,Cosh[\,4\,x\,]\,+\,c\,Cosh[\,4\,x\,]\,+\,c\,Cosh[\,4\,x\,]\,+\,c\,Cosh[\,4\,x\,]\,+\,c\,Cosh[\,4\,x\,]\,+\,c\,Cosh[\,4\,x\,]\,+\,c\,Cosh[\,4\,x\,]\,+\,c\,Cosh[\,4\,x\,]\,+\,c\,Cosh[\,4\,x\,]\,+\,c\,Cosh[\,4\,x\,]\,+\,c\,Cosh[\,4\,x\,]\,+\,c\,Cosh[\,4\,x\,]\,+\,c\,Cosh[\,4\,x\,]\,+\,c\,Cosh[\,4\,x\,]\,+\,c\,Cosh[\,4\,x\,]\,+\,c\,Cosh[\,4\,x\,]\,+\,c\,Cosh[\,4\,x\,]\,+\,c\,Cosh[\,4\,x\,]\,+\,c\,Cosh[\,4\,x\,]\,+\,c\,Cosh[\,4\,x\,]\,+\,c\,Cosh[\,4\,x\,]\,+\,c\,Cosh[\,4\,x\,]\,+\,c\,Cosh[\,4\,x\,]\,+\,c\,Cosh[\,4\,x\,]\,+\,c\,Cosh[\,4\,x\,]\,+\,c\,Cosh[\,4\,x\,]\,+\,c\,Cosh[\,4\,x\,]\,+\,c\,Cosh[\,4\,x\,]\,+\,c\,Cosh[\,4\,x\,]\,+\,c\,Cosh[\,4\,x\,]\,+\,c\,Cosh[\,4\,x\,]\,+\,c\,Cosh[\,4\,x\,]\,+\,c\,Cosh[\,4\,x\,]\,+\,c\,Cosh[\,4\,x\,]\,+\,c\,Cosh[\,4\,x\,]\,+\,c\,Cosh[\,4\,x\,]\,+\,c\,Cosh[\,4\,x\,]\,+\,c\,Cosh[\,4\,x\,]\,+\,c\,Cosh[\,4\,x\,]\,+\,c\,Cosh[\,4\,x\,]\,+\,c\,Cosh[\,4\,x\,]\,+\,c\,Cosh[\,4\,x\,]\,+\,c\,Cosh[\,4\,x\,]\,+\,c\,Cosh[\,4\,x\,]\,+\,c\,Cosh[\,4\,x\,]\,+\,c\,Cosh[\,4\,x\,]\,+\,c\,Cosh[\,4\,x\,]\,+\,c\,Cosh[\,4\,x\,]\,+\,c\,Cosh[\,4\,x\,]\,+\,c\,Cosh[\,4\,x\,]\,+\,c\,Cosh[\,4\,x\,]\,+\,c\,Cosh[\,4\,x\,]\,+\,c\,Cosh[\,4\,x\,]\,+\,c\,Cosh[\,4\,x\,]\,+\,c\,Cosh[\,4\,x\,]\,+\,c\,Cosh[\,4\,x\,]\,+\,c\,Cosh[\,4\,x\,]\,+\,c\,Cosh[\,4\,x\,]\,+\,c\,Cosh[\,4\,x\,]\,+\,c\,Cosh[\,4\,x\,]\,+\,c\,Cosh[\,4\,x\,]\,+\,c\,Cosh[\,4\,x\,]\,+\,c\,Cosh[\,4\,x\,]\,+\,c\,Cosh[\,4\,x\,]\,+\,c\,Cosh[\,4\,x\,]\,+\,c\,Cosh[\,4\,x\,]\,+\,c\,Cosh[\,4\,x\,]\,+\,c\,Cosh[\,4\,x\,]\,+\,c\,Cosh[\,4\,x\,]\,+\,c\,Cosh[\,4\,x\,]\,+\,c\,Cosh[\,4\,x\,]\,+\,c\,Cosh[\,4\,x\,]\,+\,c\,Cosh[\,4\,x\,]\,+\,c\,Cosh[\,4\,x\,]\,+\,c\,Cosh[\,4
                                                                                                                                                                                                                           b\;(3\;a-b+3\;c-4\;a\;Cosh[\,2\,x\,]\;+\;4\;c\;Cosh[\,2\,x\,]\;+\;a\;Cosh[\,4\,x\,]\;+\;b\;Cosh[\,4\,x\,]\;+\;c\;Cosh[\,4\,x\,]\;)\;+\;c\;Cosh[\,4\,x\,]\;+\;c\;Cosh[\,4\,x\,]\;+\;c\;Cosh[\,4\,x\,]\;+\;c\;Cosh[\,4\,x\,]\;+\;c\;Cosh[\,4\,x\,]\;+\;c\;Cosh[\,4\,x\,]\;+\;c\;Cosh[\,4\,x\,]\;+\;c\;Cosh[\,4\,x\,]\;+\;c\;Cosh[\,4\,x\,]\;+\;c\;Cosh[\,4\,x\,]\;+\;c\;Cosh[\,4\,x\,]\;+\;c\;Cosh[\,4\,x\,]\;+\;c\;Cosh[\,4\,x\,]\;+\;c\;Cosh[\,4\,x\,]\;+\;c\;Cosh[\,4\,x\,]\;+\;c\;Cosh[\,4\,x\,]\;+\;c\;Cosh[\,4\,x\,]\;+\;c\;Cosh[\,4\,x\,]\;+\;c\;Cosh[\,4\,x\,]\;+\;c\;Cosh[\,4\,x\,]\;+\;c\;Cosh[\,4\,x\,]\;+\;c\;Cosh[\,4\,x\,]\;+\;c\;Cosh[\,4\,x\,]\;+\;c\;Cosh[\,4\,x\,]\;+\;c\;Cosh[\,4\,x\,]\;+\;c\;Cosh[\,4\,x\,]\;+\;c\;Cosh[\,4\,x\,]\;+\;c\;Cosh[\,4\,x\,]\;+\;c\;Cosh[\,4\,x\,]\;+\;c\;Cosh[\,4\,x\,]\;+\;c\;Cosh[\,4\,x\,]\;+\;c\;Cosh[\,4\,x\,]\;+\;c\;Cosh[\,4\,x\,]\;+\;c\;Cosh[\,4\,x\,]\;+\;c\;Cosh[\,4\,x\,]\;+\;c\;Cosh[\,4\,x\,]\;+\;c\;Cosh[\,4\,x\,]\;+\;c\;Cosh[\,4\,x\,]\;+\;c\;Cosh[\,4\,x\,]\;+\;c\;Cosh[\,4\,x\,]\;+\;c\;Cosh[\,4\,x\,]\;+\;c\;Cosh[\,4\,x\,]\;+\;c\;Cosh[\,4\,x\,]\;+\;c\;Cosh[\,4\,x\,]\;+\;c\;Cosh[\,4\,x\,]\;+\;c\;Cosh[\,4\,x\,]\;+\;c\;Cosh[\,4\,x\,]\;+\;c\;Cosh[\,4\,x\,]\;+\;c\;Cosh[\,4\,x\,]\;+\;c\;Cosh[\,4\,x\,]\;+\;c\;Cosh[\,4\,x\,]\;+\;c\;Cosh[\,4\,x\,]\;+\;c\;Cosh[\,4\,x\,]\;+\;c\;Cosh[\,4\,x\,]\;+\;c\;Cosh[\,4\,x\,]\;+\;c\;Cosh[\,4\,x\,]\;+\;c\;Cosh[\,4\,x\,]\;+\;c\;Cosh[\,4\,x\,]\;+\;c\;Cosh[\,4\,x\,]\;+\;c\;Cosh[\,4\,x\,]\;+\;c\;Cosh[\,4\,x\,]\;+\;c\;Cosh[\,4\,x\,]\;+\;c\;Cosh[\,4\,x\,]\;+\;c\;Cosh[\,4\,x\,]\;+\;c\;Cosh[\,4\,x\,]\;+\;c\;Cosh[\,4\,x\,]\;+\;c\;Cosh[\,4\,x\,]\;+\;c\;Cosh[\,4\,x\,]\;+\;c\;Cosh[\,4\,x\,]\;+\;c\;Cosh[\,4\,x\,]\;+\;c\;Cosh[\,4\,x\,]\;+\;c\;Cosh[\,4\,x\,]\;+\;c\;Cosh[\,4\,x\,]\;+\;c\;Cosh[\,4\,x\,]\;+\;c\;Cosh[\,4\,x\,]\;+\;c\;Cosh[\,4\,x\,]\;+\;c\;Cosh[\,4\,x\,]\;+\;c\;Cosh[\,4\,x\,]\;+\;c\;Cosh[\,4\,x\,]\;+\;c\;Cosh[\,4\,x\,]\;+\;c\;Cosh[\,4\,x\,]\;+\;c\;Cosh[\,4\,x\,]\;+\;c\;Cosh[\,4\,x\,]\;+\;c\;Cosh[\,4\,x\,]\;+\;c\;Cosh[\,4\,x\,]\;+\;c\;Cosh[\,4\,x\,]\;+\;c\;Cosh[\,4\,x\,]\;+\;c\;Cosh[\,4\,x\,]\;+\;c\;Cosh[\,4\,x\,]\;+\;c\;Cosh[\,4\,x\,]\;+\;c\;Cosh[\,4\,x\,]\;+\;c\;Cosh[\,4\,x\,]\;+\;c\;Cosh[\,4\,x\,]\;+\;c\;Cosh[\,4\,x\,]\;+\;c\;Cosh[\,4\,x\,]\;+\;c\;Cosh[\,4\,x\,]\;+\;c\;Cosh[\,4\,x\,]\;+\;c\;Cosh[\,4\,x\,]\;+\;c\;Cosh[\,4\,x\,]\;+\;c\;Cosh[\,4\,x\,]\;+\;c\;Cosh[\,4\,x\,]\;+\;c\;Cosh[\,4\,x\,]\;+\;c\;Cosh[\,4\,x\,]\;+\;c\;Cosh[\,4\,x\,]\;+\;c\;Cosh[\,4\,x\,]\;+\;c\;Cosh[\,4\,x\,]\;+\;c\;Cosh[\,4\,x\,]\;+\;c\;Cosh[\,4\,x\,]\;+\;c\;Cosh[\,4\,x\,]\;+\;c\;Cosh[\,4\,x\,]\;+\;c\;Cosh[\,4\,x\,]\;+\;c\;Cosh[\,4\,x\,]\;+\;c\;Cosh[\,4\,x\,]\;+\;c\;Cosh[\,4\,x\,]\;+\;c\;Cosh[\,4\,x\,]\;+\;c\;Cosh[\,4\,x\,]\;+\;c\;Cosh[\,4\,x\,]\;+\;c\;Cosh[\,4\,x\,]\;+\;c\;Cosh[\,4\,x\,]\;+\;c\;Cosh[\,4\,x\,]\;+\;c\;Cosh[\,4\,x\,]\;+\;c\;Cosh[\,4
                                                                                                                                                                                                                           c (3 a - b + 3 c - 4 a Cosh[2x] + 4 c Cosh[2x] + a Cosh[4x] + b Cosh[4x] + c Cosh[4x]))
                                                                             \frac{1}{\sqrt{a+b+c}} 2 \log[2(a\sqrt{3a-b+3c-4a} \cosh[2x]+4c \cosh[2x]+a \cosh[4x]+b \cosh[4x]+c \cosh[4x]+c \cosh[4x]) + c \cosh[4x]+c \cosh[4x
                                                                                                                                                                                         b\,\sqrt{\,3\,a-b+3\,c-4\,a\,Cosh[\,2\,x\,]\,+4\,c\,Cosh[\,2\,x\,]\,+a\,Cosh[\,4\,x\,]\,+b\,Cosh[\,4\,x\,]\,+c\,Cosh[\,4\,x\,]\,+c\,Cosh[\,4\,x\,]\,+c\,Cosh[\,4\,x\,]\,+c\,Cosh[\,4\,x\,]\,+c\,Cosh[\,4\,x\,]\,+c\,Cosh[\,4\,x\,]\,+c\,Cosh[\,4\,x\,]\,+c\,Cosh[\,4\,x\,]\,+c\,Cosh[\,4\,x\,]\,+c\,Cosh[\,4\,x\,]\,+c\,Cosh[\,4\,x\,]\,+c\,Cosh[\,4\,x\,]\,+c\,Cosh[\,4\,x\,]\,+c\,Cosh[\,4\,x\,]\,+c\,Cosh[\,4\,x\,]\,+c\,Cosh[\,4\,x\,]\,+c\,Cosh[\,4\,x\,]\,+c\,Cosh[\,4\,x\,]\,+c\,Cosh[\,4\,x\,]\,+c\,Cosh[\,4\,x\,]\,+c\,Cosh[\,4\,x\,]\,+c\,Cosh[\,4\,x\,]\,+c\,Cosh[\,4\,x\,]\,+c\,Cosh[\,4\,x\,]\,+c\,Cosh[\,4\,x\,]\,+c\,Cosh[\,4\,x\,]\,+c\,Cosh[\,4\,x\,]\,+c\,Cosh[\,4\,x\,]\,+c\,Cosh[\,4\,x\,]\,+c\,Cosh[\,4\,x\,]\,+c\,Cosh[\,4\,x\,]\,+c\,Cosh[\,4\,x\,]\,+c\,Cosh[\,4\,x\,]\,+c\,Cosh[\,4\,x\,]\,+c\,Cosh[\,4\,x\,]\,+c\,Cosh[\,4\,x\,]\,+c\,Cosh[\,4\,x\,]\,+c\,Cosh[\,4\,x\,]\,+c\,Cosh[\,4\,x\,]\,+c\,Cosh[\,4\,x\,]\,+c\,Cosh[\,4\,x\,]\,+c\,Cosh[\,4\,x\,]\,+c\,Cosh[\,4\,x\,]\,+c\,Cosh[\,4\,x\,]\,+c\,Cosh[\,4\,x\,]\,+c\,Cosh[\,4\,x\,]\,+c\,Cosh[\,4\,x\,]\,+c\,Cosh[\,4\,x\,]\,+c\,Cosh[\,4\,x\,]\,+c\,Cosh[\,4\,x\,]\,+c\,Cosh[\,4\,x\,]\,+c\,Cosh[\,4\,x\,]\,+c\,Cosh[\,4\,x\,]\,+c\,Cosh[\,4\,x\,]\,+c\,Cosh[\,4\,x\,]\,+c\,Cosh[\,4\,x\,]\,+c\,Cosh[\,4\,x\,]\,+c\,Cosh[\,4\,x\,]\,+c\,Cosh[\,4\,x\,]\,+c\,Cosh[\,4\,x\,]\,+c\,Cosh[\,4\,x\,]\,+c\,Cosh[\,4\,x\,]\,+c\,Cosh[\,4\,x\,]\,+c\,Cosh[\,4\,x\,]\,+c\,Cosh[\,4\,x\,]\,+c\,Cosh[\,4\,x\,]\,+c\,Cosh[\,4\,x\,]\,+c\,Cosh[\,4\,x\,]\,+c\,Cosh[\,4\,x\,]\,+c\,Cosh[\,4\,x\,]\,+c\,Cosh[\,4\,x\,]\,+c\,Cosh[\,4\,x\,]\,+c\,Cosh[\,4\,x\,]\,+c\,Cosh[\,4\,x\,]\,+c\,Cosh[\,4\,x\,]\,+c\,Cosh[\,4\,x\,]\,+c\,Cosh[\,4\,x\,]\,+c\,Cosh[\,4\,x\,]\,+c\,Cosh[\,4\,x\,]\,+c\,Cosh[\,4\,x\,]\,+c\,Cosh[\,4\,x\,]\,+c\,Cosh[\,4\,x\,]\,+c\,Cosh[\,4\,x\,]\,+c\,Cosh[\,4\,x\,]\,+c\,Cosh[\,4\,x\,]\,+c\,Cosh[\,4\,x\,]\,+c\,Cosh[\,4\,x\,]\,+c\,Cosh[\,4\,x\,]\,+c\,Cosh[\,4\,x\,]\,+c\,Cosh[\,4\,x\,]\,+c\,Cosh[\,4\,x\,]\,+c\,Cosh[\,4\,x\,]\,+c\,Cosh[\,4\,x\,]\,+c\,Cosh[\,4\,x\,]\,+c\,Cosh[\,4\,x\,]\,+c\,Cosh[\,4\,x\,]\,+c\,Cosh[\,4\,x\,]\,+c\,Cosh[\,4\,x\,]\,+c\,Cosh[\,4\,x\,]\,+c\,Cosh[\,4\,x\,]\,+c\,Cosh[\,4\,x\,]\,+c\,Cosh[\,4\,x\,]\,+c\,Cosh[\,4\,x\,]\,+c\,Cosh[\,4\,x\,]\,+c\,Cosh[\,4\,x\,]\,+c\,Cosh[\,4\,x\,]\,+c\,Cosh[\,4\,x\,]\,+c\,Cosh[\,4\,x\,]\,+c\,Cosh[\,4\,x\,]\,+c\,Cosh[\,4\,x\,]\,+c\,Cosh[\,4\,x\,]\,+c\,Cosh[\,4\,x\,]\,+c\,Cosh[\,4\,x\,]\,+c\,Cosh[\,4\,x\,]\,+c\,Cosh[\,4\,x\,]\,+c\,Cosh[\,4\,x\,]\,+c\,Cosh[\,4\,x\,]\,+c\,Cosh[\,4\,x\,]\,+c\,Cosh[\,4\,x\,]\,+c\,Cosh[\,4\,x\,]\,+c\,Cosh[\,4\,x\,]\,+c\,Cosh[\,4\,x\,]\,+c\,Cosh[\,4\,x\,]\,+c\,Cosh[\,4\,x\,]\,+c\,Cosh[\,4\,x\,]\,+c\,Cosh[\,4\,x\,]\,+c\,Cosh[\,4\,x\,]\,+c\,Cosh[\,4\,x\,]\,+c\,Cosh[\,4\,x\,]\,+c\,Cosh[\,4\,x\,]\,+c\,Cosh[\,4\,x\,]\,+
                                                                                                                                                                                                              \sqrt{3 \text{ a} - \text{b} + 3 \text{ c} - 4 \text{ a} \text{ Cosh}[2 \text{ x}] + 4 \text{ c} \text{ Cosh}[2 \text{ x}] + \text{a} \text{ Cosh}[4 \text{ x}] + \text{b} \text{ Cosh}[4 \text{ x}] + \text{c} \text{ Cosh}[4 \text{ x}]} + \sqrt{\text{a} + \text{b} + \text{c}}
                                                                                                                                                                                                           \sqrt{(2b^2 - 8ac + a(3a - b + 3c - 4aCosh[2x] + 4cCosh[2x] + aCosh[4x] + bCosh[4x] + bCosh[4x] + cCosh[4x])}
                                                                                                                                                                                                                                                                  \texttt{b} \; (3 \; \texttt{a} \; - \; \texttt{b} \; + \; 3 \; \texttt{c} \; - \; 4 \; \texttt{a} \; \texttt{Cosh}[\; 2 \; \texttt{x}\;] \; + \; 4 \; \texttt{c} \; \texttt{Cosh}[\; 2 \; \texttt{x}\;] \; + \; \texttt{a} \; \texttt{Cosh}[\; 4 \; \texttt{x}\;] \; + \; \texttt{b} \; \texttt{Cosh}[\; 4 \; \texttt{x}\;] \; + \; \texttt{c} \; \texttt{Cosh}[\; 4 \; \texttt{x}\;] \; ) \; + \; \texttt{c} \; \texttt{cosh}[\; 4 \; \texttt{x}\;] \; + \; \texttt{c} \; \texttt{cosh}[\; 4 \; \texttt{x}\;] \; + \; \texttt{c} \; \texttt{cosh}[\; 4 \; \texttt{x}\;] \; ) \; + \; \texttt{cosh}[\; 4 \; \texttt{x}\;] \; + \; \texttt{cos
                                                                                                                                                                                                                                                                 c (3 a - b + 3 c - 4 a Cosh[2x] + 4 c Cosh[2x] + a Cosh[4x] + b Cosh[4x] + c Cosh[4x]))
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a Coth[2x] Sinh[x]^{2}
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            a \operatorname{Csch}[2x] \operatorname{Sinh}[x]^2
                           \sqrt{3} a - b + 3 c - 4 (a - c) \cosh[2x] + (a + b + c) \cosh[4x] \sqrt{3} a - b + 3 c - 4 (a - c) \cosh[2x] + (a + b + c) \cosh[4x]
                                                                                                                                                                                                    b Csch[2x] Sinh[x]<sup>2</sup>
                                      \sqrt{3 a - b + 3 c - 4 (a - c) Cosh[2 x] + (a + b + c) Cosh[4 x]}
               (-4 \text{ a Sinh}[2 \text{ x}] + 4 \text{ c Sinh}[2 \text{ x}] + 2 \text{ a Sinh}[4 \text{ x}] + 2 \text{ b Sinh}[4 \text{ x}] + 2 \text{ c Sinh}[4 \text{ x}])
              (-8 (a - c) Sinh[2x] + 4 (a + b + c) Sinh[4x])
32 \left(-a + b + a \cosh[2 x]\right) \sqrt{3 a - b + 3 c - 4 a \cosh[2 x] + 4 c \cosh[2 x] + a \cosh[4 x] + b \cosh[4 x] + c \cosh[4 x] + c \cosh[4 x]}
              \sqrt{(2b^2 - 8ac + a(3a - b + 3c - 4aCosh[2x] + 4cCosh[2x] + aCosh[4x] + bCosh[4x] + cCosh[4x])} + cCosh[4x]
                                            b (3a - b + 3c - 4a Cosh[2x] + 4c Cosh[2x] + a Cosh[4x] + b Cosh[4x] + c Cosh[4x]) +
                                                \verb| c (3 a - b + 3 c - 4 a Cosh[2 x] + 4 c Cosh[2 x] + a Cosh[4 x] + b Cosh[4 x] + c Cosh[4 x])) | 
            \sqrt{\left(\frac{1}{a+b+c}\left(-2\,b-4\,c+\sqrt{2}\,\,\sqrt{\left(2\,b^2-8\,a\,c+a\,\left(3\,a-b+3\,c-4\,a\,Cosh\left[2\,x\right]+4\,c\,Cosh\left[2\,x\right]+a\,Cosh\left[4\,x\right]+b\,Cosh\left[4\,x\right]+b\,Cosh\left[4\,x\right]+b\,Cosh\left[4\,x\right]+b\,Cosh\left[4\,x\right]+b\,Cosh\left[4\,x\right]+b\,Cosh\left[4\,x\right]+b\,Cosh\left[4\,x\right]+b\,Cosh\left[4\,x\right]+b\,Cosh\left[4\,x\right]+b\,Cosh\left[4\,x\right]+b\,Cosh\left[4\,x\right]+b\,Cosh\left[4\,x\right]+b\,Cosh\left[4\,x\right]+b\,Cosh\left[4\,x\right]+b\,Cosh\left[4\,x\right]+b\,Cosh\left[4\,x\right]+b\,Cosh\left[4\,x\right]+b\,Cosh\left[4\,x\right]+b\,Cosh\left[4\,x\right]+b\,Cosh\left[4\,x\right]+b\,Cosh\left[4\,x\right]+b\,Cosh\left[4\,x\right]+b\,Cosh\left[4\,x\right]+b\,Cosh\left[4\,x\right]+b\,Cosh\left[4\,x\right]+b\,Cosh\left[4\,x\right]+b\,Cosh\left[4\,x\right]+b\,Cosh\left[4\,x\right]+b\,Cosh\left[4\,x\right]+b\,Cosh\left[4\,x\right]+b\,Cosh\left[4\,x\right]+b\,Cosh\left[4\,x\right]+b\,Cosh\left[4\,x\right]+b\,Cosh\left[4\,x\right]+b\,Cosh\left[4\,x\right]+b\,Cosh\left[4\,x\right]+b\,Cosh\left[4\,x\right]+b\,Cosh\left[4\,x\right]+b\,Cosh\left[4\,x\right]+b\,Cosh\left[4\,x\right]+b\,Cosh\left[4\,x\right]+b\,Cosh\left[4\,x\right]+b\,Cosh\left[4\,x\right]+b\,Cosh\left[4\,x\right]+b\,Cosh\left[4\,x\right]+b\,Cosh\left[4\,x\right]+b\,Cosh\left[4\,x\right]+b\,Cosh\left[4\,x\right]+b\,Cosh\left[4\,x\right]+b\,Cosh\left[4\,x\right]+b\,Cosh\left[4\,x\right]+b\,Cosh\left[4\,x\right]+b\,Cosh\left[4\,x\right]+b\,Cosh\left[4\,x\right]+b\,Cosh\left[4\,x\right]+b\,Cosh\left[4\,x\right]+b\,Cosh\left[4\,x\right]+b\,Cosh\left[4\,x\right]+b\,Cosh\left[4\,x\right]+b\,Cosh\left[4\,x\right]+b\,Cosh\left[4\,x\right]+b\,Cosh\left[4\,x\right]+b\,Cosh\left[4\,x\right]+b\,Cosh\left[4\,x\right]+b\,Cosh\left[4\,x\right]+b\,Cosh\left[4\,x\right]+b\,Cosh\left[4\,x\right]+b\,Cosh\left[4\,x\right]+b\,Cosh\left[4\,x\right]+b\,Cosh\left[4\,x\right]+b\,Cosh\left[4\,x\right]+b\,Cosh\left[4\,x\right]+b\,Cosh\left[4\,x\right]+b\,Cosh\left[4\,x\right]+b\,Cosh\left[4\,x\right]+b\,Cosh\left[4\,x\right]+b\,Cosh\left[4\,x\right]+b\,Cosh\left[4\,x\right]+b\,Cosh\left[4\,x\right]+b\,Cosh\left[4\,x\right]+b\,Cosh\left[4\,x\right]+b\,Cosh\left[4\,x\right]+b\,Cosh\left[4\,x\right]+b\,Cosh\left[4\,x\right]+b\,Cosh\left[4\,x\right]+b\,Cosh\left[4\,x\right]+b\,Cosh\left[4\,x\right]+b\,Cosh\left[4\,x\right]+b\,Cosh\left[4\,x\right]+b\,Cosh\left[4\,x\right]+b\,Cosh\left[4\,x\right]+b\,Cosh\left[4\,x\right]+b\,Cosh\left[4\,x\right]+b\,Cosh\left[4\,x\right]+b\,Cosh\left[4\,x\right]+b\,Cosh\left[4\,x\right]+b\,Cosh\left[4\,x\right]+b\,Cosh\left[4\,x\right]+b\,Cosh\left[4\,x\right]+b\,Cosh\left[4\,x\right]+b\,Cosh\left[4\,x\right]+b\,Cosh\left[4\,x\right]+b\,Cosh\left[4\,x\right]+b\,Cosh\left[4\,x\right]+b\,Cosh\left[4\,x\right]+b\,Cosh\left[4\,x\right]+b\,Cosh\left[4\,x\right]+b\,Cosh\left[4\,x\right]+b\,Cosh\left[4\,x\right]+b\,Cosh\left[4\,x\right]+b\,Cosh\left[4\,x\right]+b\,Cosh\left[4\,x\right]+b\,Cosh\left[4\,x\right]+b\,Cosh\left[4\,x\right]+b\,Cosh\left[4\,x\right]+b\,Cosh\left[4\,x\right]+b\,Cosh\left[4\,x\right]+b\,Cosh\left[4\,x\right]+b\,Cosh\left[4\,x\right]+b\,Cosh\left[4\,x\right]+b\,Cosh\left[4\,x\right]+b\,Cosh\left[4\,x\right]+b\,Cosh\left[4\,x\right]+b\,Cosh\left[4\,x\right]+b\,Cosh\left[4\,x\right]+b\,Cosh\left[4\,x\right]+b\,Cosh\left[4\,x\right]+b\,Cosh\left[4\,x\right]+b\,Cosh\left[4\,x\right]+b\,Cosh\left[4\,x\right]+b\,Cosh\left[4\,x\right]+b\,Cosh\left[4\,x\right]+b\,Cosh\left[4\,x\right]+b\,Cosh\left[4\,x\right]+b\,Cosh\left[4\,x\right]+b\,Cosh\left[4\,x\right]+b\,Cosh\left[4\,x\right]+b\,Cosh\left[4\,x\right]+b\,Co
                                                                                                                                                   \texttt{c} \; \texttt{Cosh[4\,x])} \; + \; \texttt{b} \; (3\;\texttt{a} \; - \; \texttt{b} \; + \; 3\;\texttt{c} \; - \; 4\;\texttt{a} \; \texttt{Cosh[2\,x]} \; + \; 4\;\texttt{c} \; \texttt{Cosh[2\,x]} \; + \; \texttt{a} \; \texttt{Cosh[4\,x]} \; + \; \texttt{b} \; \texttt{Cosh[4\,x]} \; + \; \texttt{c} \; \texttt{Cosh[4\,x]}) \; + \; \texttt{c} \; \texttt{cosh[4\,x]} \; + \; \texttt{cosh[4\,x]} \;
                                                                                                                 c (3 a - b + 3 c - 4 a Cosh[2 x] + 4 c Cosh[2 x] + a Cosh[4 x] + b Cosh[4 x] + c Cosh[4 x]))
                 \left(2\,\text{a} - 2\,\text{c} + \sqrt{2}\,\,\sqrt{\left(2\,\text{b}^2 - 8\,\text{a}\,\text{c} + \text{a}\,\left(3\,\text{a} - \text{b} + 3\,\text{c} - 4\,\text{a}\,\text{Cosh}[2\,\text{x}] + 4\,\text{c}\,\text{Cosh}[2\,\text{x}] + \text{a}\,\text{Cosh}[4\,\text{x}] + \text{b}\,\text{Cosh}[4\,\text{x}] + \text{c}\,\text{Cosh}[4\,\text{x}]\right) + \left(2\,\text{b}^2 - 8\,\text{a}\,\text{c} + \text{a}\,\left(3\,\text{a} - \text{b} + 3\,\text{c} - 4\,\text{a}\,\text{Cosh}[2\,\text{x}] + 4\,\text{c}\,\text{Cosh}[2\,\text{x}] + \text{a}\,\text{Cosh}[4\,\text{x}] + \text{b}\,\text{Cosh}[4\,\text{x}] + \text{c}\,\text{Cosh}[4\,\text{x}]\right)\right) + \left(2\,\text{b}^2 - 8\,\text{a}\,\text{c} + \text{a}\,\left(3\,\text{a} - \text{b} + 3\,\text{c} - 4\,\text{a}\,\text{Cosh}[2\,\text{x}] + 4\,\text{c}\,\text{Cosh}[2\,\text{x}] + \text{a}\,\text{Cosh}[4\,\text{x}] + \text{b}\,\text{Cosh}[4\,\text{x}] + \text{c}\,\text{Cosh}[4\,\text{x}]\right)\right)
                                                                               \texttt{b} \; ( \; 3 \; \texttt{a} \; - \; \texttt{b} \; + \; 3 \; \texttt{c} \; - \; 4 \; \texttt{a} \; \texttt{Cosh}[\; 2 \; \texttt{x}] \; + \; 4 \; \texttt{c} \; \texttt{Cosh}[\; 2 \; \texttt{x}] \; + \; \texttt{a} \; \texttt{Cosh}[\; 4 \; \texttt{x}] \; + \; \texttt{b} \; \texttt{Cosh}[\; 4 \; \texttt{x}] \; + \; \texttt{c} \; \texttt{Cosh}[\; 4 \; \texttt{x}] \; ) \; + \; \texttt{cosh}[\; 4 \; \texttt{x}] \; ) \; + \; \texttt{cosh}[\; 4 \; \texttt{x}] \; + \; \texttt{cosh}[\; 4 \; \texttt{
                                                                               c(3a-b+3c-4aCosh[2x]+4cCosh[2x]+aCosh[4x]+bCosh[4x]+cCosh[4x]))
              \sqrt{\left[-1 + \frac{1}{2(a+b+c)} \left(2a-2c+\sqrt{2}\sqrt{(2b^2-8ac+a(3a-b+3c-4a\cosh[2x]+4c\cosh[2x]+a\cosh[4x]+a\cosh[4x]+a\cosh[4x]+a\cosh[4x]+a\cosh[4x]+a\cosh[4x]+a\cosh[4x]+a\cosh[4x]+a\cosh[4x]+a\cosh[4x]+a\cosh[4x]+a\cosh[4x]+a\cosh[4x]+a\cosh[4x]+a\cosh[4x]+a\cosh[4x]+ah}\right]}
                                                                                                                                                               b \, Cosh[4\,x] + c \, Cosh[4\,x]) + b \, (3\,a - b + 3\,c - 4\,a \, Cosh[2\,x] + 4\,c \, Cosh[2\,x] + a \, Cosh[4\,x] + b 
                                                                                                                                                              c \cosh[4x] + c (3a - b + 3c - 4a \cosh[2x] + 4c \cosh[2x] + a \cosh[4x] + b \cosh[4x] + c \cosh[4x])
            \sqrt{\left[1 + \frac{1}{2(a+b+c)} \left(2a-2c+\sqrt{2}\sqrt{(2b^2-8ac+a(3a-b+3c-4aCosh[2x]+4cCosh[2x]+aCosh[4x]+\frac{1}{2(a+b+c)} \left(2a-2c+\sqrt{2}\sqrt{(2b^2-8ac+a(3a-b+3c-4aCosh[2x]+4cCosh[2x]+aCosh[4x]+\frac{1}{2(a+b+c)} \left(2a-2c+\sqrt{2}\sqrt{(2b^2-8ac+a(3a-b+3c-4aCosh[2x]+4cCosh[2x]+aCosh[2x]+aCosh[4x]+\frac{1}{2(a+b+c)} \left(2a-2c+\sqrt{2}\sqrt{(2b^2-8ac+a(3a-b+3c-4aCosh[2x]+aCosh[2x]+aCosh[2x]+aCosh[2x]+aCosh[2x]+aCosh[2x]+aCosh[2x]+aCosh[2x]+aCosh[2x]+aCosh[2x]+aCosh[2x]+aCosh[2x]+aCosh[2x]+aCosh[2x]+aCosh[2x]+aCosh[2x]+aCosh[2x]+aCosh[2x]+aCosh[2x]+aCosh[2x]+aCosh[2x]+aCosh[2x]+aCosh[2x]+aCosh[2x]+aCosh[2x]+aCosh[2x]+aCosh[2x]+aCosh[2x]+aCosh[2x]+aCosh[2x]+aCosh[2x]+aCosh[2x]+aCosh[2x]+aCosh[2x]+aCosh[2x]+aCosh[2x]+aCosh[2x]+aCosh[2x]+aCosh[2x]+aCosh[2x]+aCosh[2x]+aCosh[2x]+aCosh[2x]+aCosh[2x]+aCosh[2x]+aCosh[2x]+aCosh[2x]+aCosh[2x]+aCosh[2x]+aCosh[2x]+aCosh[2x]+aCosh[2x]+aCosh[2x]+aCosh[2x]+aCosh[2x]+aCosh[2x]+aCosh[2x]+aCosh[2x]+aCosh[2x]+aCosh[2x]+aCosh[2x]+aCosh[2x]+aCosh[2x]+aCosh[2x]+aCosh[2x]+aCosh[2x]+aCosh[2x]+aCosh[2x]+aCosh[2x]+aCosh[2x]+aCosh[2x]+aCosh[2x]+aCosh[2x]+aCosh[2x]+aCosh[2x]+aCosh[2x]+aCosh[2x]+aCosh[2x]+aCosh[2x]+aCosh[2x]+aCosh[2x]+aCosh[2x]+aCosh[2x]+aCosh[2x]+aCosh[2x]+aCosh[2x]+aCosh[2x]+aCosh[2x]+aCosh[2x]+aCosh[2x]+aCosh[2x]+aCosh[2x]+aCosh[2x]+aCosh[2x]+aCosh[2x]+aCosh[2x]+aCosh[2x]+aCosh[2x]+aCosh[2x]+aCosh[2x]+aCosh[2x]+aCosh[2x]+aCosh[2x]+aCosh[2x]+aCosh[2x]+aCosh[2x]+aCosh[2x]+aCosh[2x]+aCosh[2x]+aCosh[2x]+aCosh[2x]+aCosh[2x]+aCosh[2x]+aCosh[2x]+aCosh[2x]+aCosh[2x]+aCosh[2x]+aCosh[2x]+aCosh[2x]+aCosh[2x]+aCosh[2x]+aCosh[2x]+aCosh[2x]+aCosh[2x]+aCosh[2x]+aCosh[2x]+aCosh[2x]+aCosh[2x]+aCosh[2x]+aCosh[2x]+aCosh[2x]+aCosh[2x]+aCosh[2x]+aCosh[2x]+aCosh[2x]+aCosh[2x]+aCosh[2x]+aCosh[2x]+aCosh[2x]+aCosh[2x]+aCosh[2x]+aCosh[2x]+aCosh[2x]+aCosh[2x]+aCosh[2x]+aCosh[2x]+aCosh[2x]+aCosh[2x]+aCosh[2x]+aCosh[2x]+aCosh[2x]+aCosh[2x]+aCosh[2x]+aCosh[2x]+aCosh[2x]+aCosh[2x]+aCosh[2x]+aCosh[2x]+aCosh[2x]+aCosh[2x]+aCosh[2x]+aCosh[2x]+aCosh[2x]+aCosh[2x]+aCosh[2x]+aCosh[2x]+aCosh[2x]+aCosh[2x]+aCosh[2x]+aCosh[2x]+aCosh[2x]+aCosh[2x]+aCosh[2x]+aCo
                                                                                                                                                               b \, Cosh[4 \, x] + c \, Cosh[4 \, x]) + b \, (3 \, a - b + 3 \, c - 4 \, a \, Cosh[2 \, x] + 4 \, c \, Cosh[2 \, x] + a \, Cosh[4 \, x] + b \, Cosh[4 \,
                                                                                                                                                               \sqrt{ (3 a - b + 3 c - 4 (a - c) Cosh[2 x] + (a + b + c) Cosh[4 x]) Csch[x]^{4} } - \left[ (-a + b) (1 + Cosh[2 x]) + (a + b + c) Cosh[4 x] \right] 
               (3 a - b + 3 c - 4 (a - c) Cosh[2x] + (a + b + c) Cosh[4x])
                                      3 a - b + 3 c + (-4 a + 4 c) Cosh[2 x] + (a + b + c) Cosh[4 x]
                                                                                                                                                                                                                       (1 + Cosh[2x])^2
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```
Coth[x]
                        Csch[x]^2
                        Log[b+2 a Tanh[x]^2 + 2 \sqrt{a} \sqrt{c+b Tanh[x]^2 + a Tanh[x]^4}]
                                                                                                                                                                                                       a\, \texttt{Coth}\, [\, 2\,\, x\, ]\,\, \texttt{Sinh}\, [\, x\, ]^{\, 2}
                                       \sqrt{3 a - b + 3 c - 4 (a - c) Cosh[2 x] + (a + b + c) Cosh[4 x]}
                                                                                                                                                                                                           a \operatorname{Csch}[2x] \operatorname{Sinh}[x]^2
                                                  \sqrt{3 a - b + 3 c - 4 (a - c) Cosh[2 x] + (a + b + c)} Cosh[4 x]
                                                                                                                                                                                                       b \operatorname{Csch}[2x] \operatorname{Sinh}[x]^2
                                                  \sqrt{3 a - b + 3 c - 4 (a - c) Cosh[2 x] + (a + b + c) Cosh[4 x]}
                        (2 (-4 a + 4 c) Sinh[2x] + 4 (a + b + c) Sinh[4x])
      \left[16\,\sqrt{2}\,\,\sqrt{a}\,\,\left(-a+b+a\,Cosh[\,2\,x\,]\,\right)\,\,\left(3\,a-b+3\,c+\,\left(-4\,a+4\,c\right)\,Cosh[\,2\,x\,]\,+\,\left(a+b+c\right)\,Cosh[\,4\,x\,]\,\right)^{\,3/2}\right]
                        \sqrt{(3 a - b + 3 c - 4 (a - c) Cosh[2 x] + (a + b + c) Cosh[4 x]) Csch[x]^4} -
a Cosh[2x] (3a-b+3c-4(a-c) Cosh[2x] + (a+b+c) Cosh[4x])
                          \left(2\; a\; \sqrt{\; 3\; a\; -\; b\; +\; 3\; c\; -\; 4\; a\; Cosh[\; 2\; x\;]\; +\; 4\; c\; Cosh[\; 2\; x\;]\; +\; a\; Cosh[\; 4\; x\;]\; +\; b\; Cosh[\; 4\; x\;]\; +\; c\; Cosh
                                               2 b \sqrt{3} a - b + 3 c - 4 a Cosh[2 x] + 4 c Cosh[2 x] + a Cosh[4 x] + b Cosh[4 x] + c Cosh[4 x] + c Cosh[4 x]
                                               2 c \sqrt{3 a - b + 3 c - 4 a Cosh[2x] + 4 c Cosh[2x] + a Cosh[4x] + b Cosh[4x] + c Cosh[4x]}
                        \sqrt{\left[\frac{1}{2+b+a}\left(4\,a+2\,b+\sqrt{2}\,\sqrt{\left(2\,b^2-8\,a\,c+a\,\left(3\,a-b+3\,c-4\,a\,Cosh[2\,x]+4\,c\,Cosh[2\,x]+a\,Cosh[4\,x]+b\,Cosh[4\,x]\right)\right]}\right.}
                                                                                                                                                                  \texttt{c} \; \texttt{Cosh} [\, 4 \; \mathbf{x} \,] \;) \; + \; \texttt{b} \; (\, 3 \; \texttt{a} \; - \; \texttt{b} \; + \; 3 \; \texttt{c} \; - \; 4 \; \texttt{a} \; \texttt{Cosh} [\, 2 \; \mathbf{x} \,] \; + \; 4 \; \texttt{c} \; \texttt{Cosh} [\, 2 \; \mathbf{x} \,] \; + \; \texttt{a} \; \texttt{Cosh} [\, 4 \; \mathbf{x} \,] \; + \; \texttt{b} \; \texttt{Cosh} [\, 4 \; \mathbf{x} \,] \; + \; \texttt{c} \; \texttt{Cosh} [\, 4 \; \mathbf{x} \,] \;) \; + \; \texttt{c} \; \texttt{cosh} [\, 4 \; \mathbf{x} \,] \; + \; \texttt{c} \; \texttt{cosh} [\, 4 \; \mathbf{x} \,] \; + \; \texttt{c} \; \texttt{cosh} [\, 4 \; \mathbf{x} \,] \; + \; \texttt{c} \; \texttt{cosh} [\, 4 \; \mathbf{x} \,] \; + \; \texttt{c} \; \texttt{cosh} [\, 4 \; \mathbf{x} \,] \; + \; \texttt{c} \; \texttt{cosh} [\, 4 \; \mathbf{x} \,] \; + \; \texttt{c} \; \texttt{cosh} [\, 4 \; \mathbf{x} \,] \; + \; \texttt{c} \; \texttt{cosh} [\, 4 \; \mathbf{x} \,] \; + \; \texttt{c} \; \texttt{cosh} [\, 4 \; \mathbf{x} \,] \; + \; \texttt{c} \; \texttt{cosh} [\, 4 \; \mathbf{x} \,] \; + \; \texttt{c} \; \texttt{cosh} [\, 4 \; \mathbf{x} \,] \; + \; \texttt{c} \; \texttt{cosh} [\, 4 \; \mathbf{x} \,] \; + \; \texttt{c} \; \texttt{cosh} [\, 4 \; \mathbf{x} \,] \; + \; \texttt{c} \; \texttt{cosh} [\, 4 \; \mathbf{x} \,] \; + \; \texttt{c} \; \texttt{cosh} [\, 4 \; \mathbf{x} \,] \; + \; \texttt{c} \; \texttt{cosh} [\, 4 \; \mathbf{x} \,] \; + \; \texttt{c} \; \texttt{cosh} [\, 4 \; \mathbf{x} \,] \; + \; \texttt{c} \; \texttt{cosh} [\, 4 \; \mathbf{x} \,] \; + \; \texttt{c} \; \texttt{cosh} [\, 4 \; \mathbf{x} \,] \; + \; \texttt{c} \; \texttt{cosh} [\, 4 \; \mathbf{x} \,] \; + \; \texttt{c} \; \texttt{cosh} [\, 4 \; \mathbf{x} \,] \; + \; \texttt{c} \; \texttt{cosh} [\, 4 \; \mathbf{x} \,] \; + \; \texttt{c} \; \texttt{cosh} [\, 4 \; \mathbf{x} \,] \; + \; \texttt{c} \; \texttt{cosh} [\, 4 \; \mathbf{x} \,] \; + \; \texttt{c} \; \texttt{cosh} [\, 4 \; \mathbf{x} \,] \; + \; \texttt{c} \; \texttt{cosh} [\, 4 \; \mathbf{x} \,] \; + \; \texttt{c} \; \texttt{cosh} [\, 4 \; \mathbf{x} \,] \; + \; \texttt{c} \; \texttt{cosh} [\, 4 \; \mathbf{x} \,] \; + \; \texttt{c} \; \texttt{cosh} [\, 4 \; \mathbf{x} \,] \; + \; \texttt{c} \; \texttt{cosh} [\, 4 \; \mathbf{x} \,] \; + \; \texttt{c} \; \texttt{cosh} [\, 4 \; \mathbf{x} \,] \; + \; \texttt{c} \; \texttt{cosh} [\, 4 \; \mathbf{x} \,] \; + \; \texttt{c} \; \texttt{cosh} [\, 4 \; \mathbf{x} \,] \; + \; \texttt{c} \; \texttt{cosh} [\, 4 \; \mathbf{x} \,] \; + \; \texttt{c} \; \texttt{cosh} [\, 4 \; \mathbf{x} \,] \; + \; \texttt{c} \; \texttt{cosh} [\, 4 \; \mathbf{x} \,] \; + \; \texttt{c} \; \texttt{cosh} [\, 4 \; \mathbf{x} \,] \; + \; \texttt{c} \; \texttt{cosh} [\, 4 \; \mathbf{x} \,] \; + \; \texttt{c} \; \texttt{cosh} [\, 4 \; \mathbf{x} \,] \; + \; \texttt{c} \; \texttt{cosh} [\, 4 \; \mathbf{x} \,] \; + \; \texttt{c} \; \texttt{cosh} [\, 4 \; \mathbf{x} \,] \; + \; \texttt{c} \; \texttt{cosh} [\, 4 \; \mathbf{x} \,] \; + \; \texttt{c} \; \texttt{cosh} [\, 4 \; \mathbf{x} \,] \; + \; \texttt{c} \; \texttt{cosh} [\, 4 \; \mathbf{x} \,] \; + \; \texttt{c} \; \texttt{cosh} [\, 4 \; \mathbf{x} \,] \; + \; \texttt{c} \; \texttt{cosh} [\, 4 \; \mathbf{x} \,] \; + \; \texttt{c} \; \texttt{cosh} [\, 4 \; \mathbf{x} \,] \; + \; \texttt{c} \; \texttt{cosh} [\, 4 \; \mathbf{x} \,] \; + \; \texttt{c} \; \texttt{cosh} [\, 4 \; \mathbf{x} \,] \; + \;
                                                                                                                               c (3 a - b + 3 c - 4 a Cosh[2 x] + 4 c Cosh[2 x] + a Cosh[4 x] + b Cosh[4 x] + c Cosh[4 x]))
                        Csch[x]^2
                                             \frac{1}{\sqrt{a}} \operatorname{ArcTanh} \left[ \left( (2 \text{ a} + \text{b}) \sqrt{3 \text{ a} - \text{b} + 3 \text{ c} - 4 \text{ a} \operatorname{Cosh}[2 \text{ x}] + 4 \text{ c} \operatorname{Cosh}[4 \text{ x}] + \operatorname{b} \operatorname{Cosh}[4 \text{ x}] + \operatorname{b} \operatorname{Cosh}[4 \text{ x}] + \operatorname{c} \operatorname{Cosh}[4 \text{ x}] \right] \right) / \operatorname{cosh}[4 \text{ x}] + \operatorname{cosh}[4 \text{ x
                                                                                     2\sqrt{a}\sqrt{2b^2-8ac+a(3a-b+3c-4aCosh[2x]+4cCosh[2x]+aCosh[4x]+bCosh[4x]+cCosh[4x])}
                                                                                                                                             b \; (3 \; a - b + 3 \; c - 4 \; a \; Cosh[2 \; x] \; + \; 4 \; c \; Cosh[2 \; x] \; + \; a \; Cosh[4 \; x] \; + \; b \; Cosh[4 \; x] \; + \; c \; Cosh[4 \; x]) \; + \; c \; Cosh[4 \; x] \; + \; c \; Cos
```

```
c(3a-b+3c-4aCosh[2x]+4cCosh[2x]+aCosh[4x]+bCosh[4x]+cCosh[4x]))))
                                                                                                                                                              -2 \log \left[2 \left| a \sqrt{3} a - b + 3 c - 4 a \cosh[2 x] + 4 c \cosh[2 x] + a \cosh[4 x] + b \cosh[4 x] + c \cosh[4
                                                                                                                            b\,\sqrt{\,3\,a-b+3\,c-4\,a\,Cosh[\,2\,x]\,+4\,c\,Cosh[\,2\,x]\,+a\,Cosh[\,4\,x]\,+b\,Cosh[\,4\,x]\,+c\,Cosh[\,4\,x]\,+c\,Cosh[\,4\,x]\,+c\,Cosh[\,4\,x]\,+c\,Cosh[\,4\,x]\,+c\,Cosh[\,4\,x]\,+c\,Cosh[\,4\,x]\,+c\,Cosh[\,4\,x]\,+c\,Cosh[\,4\,x]\,+c\,Cosh[\,4\,x]\,+c\,Cosh[\,4\,x]\,+c\,Cosh[\,4\,x]\,+c\,Cosh[\,4\,x]\,+c\,Cosh[\,4\,x]\,+c\,Cosh[\,4\,x]\,+c\,Cosh[\,4\,x]\,+c\,Cosh[\,4\,x]\,+c\,Cosh[\,4\,x]\,+c\,Cosh[\,4\,x]\,+c\,Cosh[\,4\,x]\,+c\,Cosh[\,4\,x]\,+c\,Cosh[\,4\,x]\,+c\,Cosh[\,4\,x]\,+c\,Cosh[\,4\,x]\,+c\,Cosh[\,4\,x]\,+c\,Cosh[\,4\,x]\,+c\,Cosh[\,4\,x]\,+c\,Cosh[\,4\,x]\,+c\,Cosh[\,4\,x]\,+c\,Cosh[\,4\,x]\,+c\,Cosh[\,4\,x]\,+c\,Cosh[\,4\,x]\,+c\,Cosh[\,4\,x]\,+c\,Cosh[\,4\,x]\,+c\,Cosh[\,4\,x]\,+c\,Cosh[\,4\,x]\,+c\,Cosh[\,4\,x]\,+c\,Cosh[\,4\,x]\,+c\,Cosh[\,4\,x]\,+c\,Cosh[\,4\,x]\,+c\,Cosh[\,4\,x]\,+c\,Cosh[\,4\,x]\,+c\,Cosh[\,4\,x]\,+c\,Cosh[\,4\,x]\,+c\,Cosh[\,4\,x]\,+c\,Cosh[\,4\,x]\,+c\,Cosh[\,4\,x]\,+c\,Cosh[\,4\,x]\,+c\,Cosh[\,4\,x]\,+c\,Cosh[\,4\,x]\,+c\,Cosh[\,4\,x]\,+c\,Cosh[\,4\,x]\,+c\,Cosh[\,4\,x]\,+c\,Cosh[\,4\,x]\,+c\,Cosh[\,4\,x]\,+c\,Cosh[\,4\,x]\,+c\,Cosh[\,4\,x]\,+c\,Cosh[\,4\,x]\,+c\,Cosh[\,4\,x]\,+c\,Cosh[\,4\,x]\,+c\,Cosh[\,4\,x]\,+c\,Cosh[\,4\,x]\,+c\,Cosh[\,4\,x]\,+c\,Cosh[\,4\,x]\,+c\,Cosh[\,4\,x]\,+c\,Cosh[\,4\,x]\,+c\,Cosh[\,4\,x]\,+c\,Cosh[\,4\,x]\,+c\,Cosh[\,4\,x]\,+c\,Cosh[\,4\,x]\,+c\,Cosh[\,4\,x]\,+c\,Cosh[\,4\,x]\,+c\,Cosh[\,4\,x]\,+c\,Cosh[\,4\,x]\,+c\,Cosh[\,4\,x]\,+c\,Cosh[\,4\,x]\,+c\,Cosh[\,4\,x]\,+c\,Cosh[\,4\,x]\,+c\,Cosh[\,4\,x]\,+c\,Cosh[\,4\,x]\,+c\,Cosh[\,4\,x]\,+c\,Cosh[\,4\,x]\,+c\,Cosh[\,4\,x]\,+c\,Cosh[\,4\,x]\,+c\,Cosh[\,4\,x]\,+c\,Cosh[\,4\,x]\,+c\,Cosh[\,4\,x]\,+c\,Cosh[\,4\,x]\,+c\,Cosh[\,4\,x]\,+c\,Cosh[\,4\,x]\,+c\,Cosh[\,4\,x]\,+c\,Cosh[\,4\,x]\,+c\,Cosh[\,4\,x]\,+c\,Cosh[\,4\,x]\,+c\,Cosh[\,4\,x]\,+c\,Cosh[\,4\,x]\,+c\,Cosh[\,4\,x]\,+c\,Cosh[\,4\,x]\,+c\,Cosh[\,4\,x]\,+c\,Cosh[\,4\,x]\,+c\,Cosh[\,4\,x]\,+c\,Cosh[\,4\,x]\,+c\,Cosh[\,4\,x]\,+c\,Cosh[\,4\,x]\,+c\,Cosh[\,4\,x]\,+c\,Cosh[\,4\,x]\,+c\,Cosh[\,4\,x]\,+c\,Cosh[\,4\,x]\,+c\,Cosh[\,4\,x]\,+c\,Cosh[\,4\,x]\,+c\,Cosh[\,4\,x]\,+c\,Cosh[\,4\,x]\,+c\,Cosh[\,4\,x]\,+c\,Cosh[\,4\,x]\,+c\,Cosh[\,4\,x]\,+c\,Cosh[\,4\,x]\,+c\,Cosh[\,4\,x]\,+c\,Cosh[\,4\,x]\,+c\,Cosh[\,4\,x]\,+c\,Cosh[\,4\,x]\,+c\,Cosh[\,4\,x]\,+c\,Cosh[\,4\,x]\,+c\,Cosh[\,4\,x]\,+c\,Cosh[\,4\,x]\,+c\,Cosh[\,4\,x]\,+c\,Cosh[\,4\,x]\,+c\,Cosh[\,4\,x]\,+c\,Cosh[\,4\,x]\,+c\,Cosh[\,4\,x]\,+c\,Cosh[\,4\,x]\,+c\,Cosh[\,4\,x]\,+c\,Cosh[\,4\,x]\,+c\,Cosh[\,4\,x]\,+c\,Cosh[\,4\,x]\,+c\,Cosh[\,4\,x]\,+c\,Cosh[\,4\,x]\,+c\,Cosh[\,4\,x]\,+c\,Cosh[\,4\,x]\,+c\,Cosh[\,4\,x]\,+c\,Cosh[\,4\,x]\,+c\,Cosh[\,4\,x]\,+c\,Cosh[\,4
                                                                                                                                              \sqrt{3} a - b + 3 c - 4 a Cosh[2 x] + 4 c Cosh[2 x] + a Cosh[4 x] + b Cosh[4 x] + c Cosh[4 x] + \sqrt{a + b + c}
                                                                                                                                              \sqrt{(2b^2 - 8ac + a(3a - b + 3c - 4aCosh[2x] + 4cCosh[2x] + aCosh[4x] + bCosh[4x] + cCosh[4x])}
                                                                                                                                                                                            \texttt{b} \; (\texttt{3} \; \texttt{a} \; - \; \texttt{b} \; + \; \texttt{3} \; \texttt{c} \; - \; \texttt{4} \; \texttt{a} \; \texttt{Cosh}[\; 2 \; \texttt{x}] \; + \; \texttt{4} \; \texttt{c} \; \texttt{Cosh}[\; 2 \; \texttt{x}] \; + \; \texttt{a} \; \texttt{Cosh}[\; 4 \; \texttt{x}] \; + \; \texttt{b} \; \texttt{Cosh}[\; 4 \; \texttt{x}] \; + \; \texttt{c} \; \texttt{Cosh}[\; 4 \; \texttt{x}] \; ) \; + \; \texttt{cosh}[\; 4 \; \texttt{x}] \; ) \; + \; \texttt{cosh}[\; 4 \; \texttt{x}] \; + \; \texttt{cosh}[\; 4 \; \texttt{x}] \; ) \; + \; \texttt{cosh}[\; 4 \; \texttt{x}] \; ) \; + \; \texttt{cosh}[\; 4 \; \texttt{x}] \; ) \; + \; \texttt{cosh}[\; 4 \; \texttt{x}] \; ) \; + \; \texttt{cosh}[\; 4 \; \texttt{x}] \; ) \; + \; \texttt{cosh}[\; 4 \; \texttt{x}] \; ) \; + \; \texttt{cosh}[\; 4 \; \texttt{x}] \; ) \; + \; \texttt{cosh}[\; 4 \; \texttt{x}] \; ) \; + \; \texttt{cosh}[\; 4 \; \texttt{x}] \; ) \; + \; \texttt{cosh}[\; 4 \; \texttt{x}] \; ) \; + \; \texttt{cosh}[\; 4 \; \texttt{x}] \; ) \; + \; \texttt{cosh}[\; 4 \; \texttt{x}] \; ) \; + \; \texttt{cosh}[\; 4 \; \texttt{x}] \; ) \; + \; \texttt{cosh}[\; 4 \; \texttt{x}] \; ) \; + \; \texttt{cosh}[\; 4 \; \texttt{x}] \; ) \; + \; \texttt{cosh}[\; 4 \; \texttt{x}] \; ) \; + \; \texttt{cosh}[\; 4 \; \texttt{x}] \; ) \; + \; \texttt{cosh}[\; 4 \; \texttt{x}] \; ) \; + \; \texttt{cosh}[\; 4 \; \texttt{x}] \; ) \; + \; \texttt{cosh}[\; 4 \; \texttt{x}] \; ) \; + \; \texttt{cosh}[\; 4 \; \texttt{x}] \; ) \; + \; \texttt{cosh}[\; 4 \; \texttt{x}] \; ) \; + \; \texttt{cosh}[\; 4 \; \texttt{x}] \; ) \; + \; \texttt{cosh}[\; 4 \; \texttt{x}] \; ) \; + \; \texttt{cosh}[\; 4 \; \texttt{x}] \; ) \; + \; \texttt{cosh}[\; 4 \; \texttt{x}] \; ) \; + \; \texttt{cosh}[\; 4 \; \texttt{x}] \; ) \; + \; \texttt{cosh}[\; 4 \; \texttt{x}] \; ) \; + \; \texttt{cosh}[\; 4 \; \texttt{x}] \; ) \; + \; \texttt{cosh}[\; 4 \; \texttt{x}] \; ) \; + \; \texttt{cosh}[\; 4 \; \texttt{x}] \; ) \; + \; \texttt{cosh}[\; 4 \; \texttt{x}] \; ) \; + \; \texttt{cosh}[\; 4 \; \texttt{x}] \; ) \; + \; \texttt{cosh}[\; 4 \; \texttt{x}] \; ) \; + \; \texttt{cosh}[\; 4 \; \texttt{x}] \; ) \; + \; \texttt{cosh}[\; 4 \; \texttt{x}] \; ) \; + \; \texttt{cosh}[\; 4 \; \texttt{x}] \; ) \; + \; \texttt{cosh}[\; 4 \; \texttt{x}] \; ) \; + \; \texttt{cosh}[\; 4 \; \texttt{x}] \; ) \; + \; \texttt{cosh}[\; 4 \; \texttt{x}] \; ) \; + \; \texttt{cosh}[\; 4 \; \texttt{x}] \; ) \; + \; \texttt{cosh}[\; 4 \; \texttt{x}] \; ) \; + \; \texttt{cosh}[\; 4 \; \texttt{x}] \; ) \; + \; \texttt{cosh}[\; 4 \; \texttt{x}] \; ) \; + \; \texttt{cosh}[\; 4 \; \texttt{x}] \; ) \; + \; \texttt{cosh}[\; 4 \; \texttt{x}] \; ) \; + \; \texttt{cosh}[\; 4 \; \texttt{x}] \; ) \; + \; \texttt{cosh}[\; 4 \; \texttt{x}] \; ) \; + \; \texttt{cosh}[\; 4 \; \texttt{x}] \; ) \; + \; \texttt{cosh}[\; 4 \; \texttt{x}] \; ) \; + \; \texttt{cosh}[\; 4 \; \texttt{x}] \; ) \; + \; \texttt{cosh}[\; 4 \; \texttt{x}] \; ) \; + \; \texttt{cosh}[\; 4 \; \texttt{x}] \; ) \; + \; \texttt{cosh}[\; 4 \; \texttt{x}] \; ) \; + \; \texttt{cosh}[\; 4 \; \texttt{x}] \; ) \; + \; \texttt{cosh}[\; 4 \; \texttt{x}] \; ) \; + \; \texttt{cosh}[\; 4 \; \texttt{x}] \; ) \; + \; \texttt{cosh}[\; 4 \; \texttt{x}] \; ) \; + \; \texttt{cosh}[\;
                                                                                                                                                                                           c(3a-b+3c-4aCosh[2x]+4cCosh[2x]+aCosh[4x]+bCosh[4x]+cCosh[4x])
                                                                                                                                                                                                                                                  a Coth [2x] Sinh [x]^2
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     a \operatorname{Csch}[2x] \operatorname{Sinh}[x]^2
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    \sqrt{3 a - b + 3 c - 4 (a - c) \cosh[2 x] + (a + b + c) \cosh[4 x]}
                    \sqrt{3 a - b + 3 c - 4 (a - c) \cosh[2x] + (a + b + c) \cosh[4x]}
                                                                                                                                                                                                                                                                b Csch[2x] Sinh[x]<sup>2</sup>
                                        \sqrt{3} a - b + 3 c - 4 (a - c) Cosh[2x] + (a + b + c) Cosh[4x]
    (-4 \text{ a Sinh}[2 \text{ x}] + 4 \text{ c Sinh}[2 \text{ x}] + 2 \text{ a Sinh}[4 \text{ x}] + 2 \text{ b Sinh}[4 \text{ x}] + 2 \text{ c Sinh}[4 \text{ x}])
    (a (-8 a Sinh[2x] + 8 c Sinh[2x] + 4 a Sinh[4x] + 4 b Sinh[4x] + 4 c Sinh[4x]) +
                               b (-8 a Sinh[2x] + 8 c Sinh[2x] + 4 a Sinh[4x] + 4 b Sinh[4x] + 4 c Sinh[4x]) +
                               c (-8 a Sinh[2 x] + 8 c Sinh[2 x] + 4 a Sinh[4 x] + 4 b Sinh[4 x] + 4 c Sinh[4 x]))
    (-a + b + a \, Cosh[2 \, x]) \, \sqrt{3} \, a - b + 3 \, c - 4 \, a \, Cosh[2 \, x] + 4 \, c \, Cosh[2 \, x] + a \, Cosh[4 \, x] + b \, Cosh[4 \, x] + c \, 
    \left(2 \ b^2 - 8 \ a \ c + a \ (3 \ a - b + 3 \ c - 4 \ a \ Cosh[2 \ x] + 4 \ c \ Cosh[2 \ x] + a \ Cosh[4 \ x] + b \ Cosh[4 \ x] + c \ Cosh[4 \ x] \right) + c \ cosh[4 \ x] + c \ 
                            b \; (3 \; a \; -b \; + \; 3 \; c \; -4 \; a \; Cosh[\; 2 \; x \;] \; + \; 4 \; c \; Cosh[\; 2 \; x \;] \; + \; a \; Cosh[\; 4 \; x \;] \; + \; b \; Cosh[\; 4 \; x \;] \; + \; c \; Cosh[\; 4 \; x \;] \; ) \; + \; c \; Cosh[\; 4 \; x \;] \; ) \; + \; c \; Cosh[\; 4 \; x \;] \; ) \; + \; c \; Cosh[\; 4 \; x \;] \; ) \; + \; c \; Cosh[\; 4 \; x \;] \; ) \; + \; c \; Cosh[\; 4 \; x \;] \; ) \; + \; c \; Cosh[\; 4 \; x \;] \; ) \; + \; c \; Cosh[\; 4 \; x \;] \; ) \; + \; c \; Cosh[\; 4 \; x \;] \; ) \; + \; c \; Cosh[\; 4 \; x \;] \; ) \; + \; c \; Cosh[\; 4 \; x \;] \; ) \; + \; c \; Cosh[\; 4 \; x \;] \; ) \; + \; c \; Cosh[\; 4 \; x \;] \; ) \; + \; c \; Cosh[\; 4 \; x \;] \; ) \; + \; c \; Cosh[\; 4 \; x \;] \; ) \; + \; c \; Cosh[\; 4 \; x \;] \; ) \; + \; c \; Cosh[\; 4 \; x \;] \; ) \; + \; c \; Cosh[\; 4 \; x \;] \; ) \; + \; c \; Cosh[\; 4 \; x \;] \; ) \; + \; c \; Cosh[\; 4 \; x \;] \; ) \; + \; c \; Cosh[\; 4 \; x \;] \; ) \; + \; c \; Cosh[\; 4 \; x \;] \; ) \; + \; c \; Cosh[\; 4 \; x \;] \; ) \; + \; c \; Cosh[\; 4 \; x \;] \; ) \; + \; c \; Cosh[\; 4 \; x \;] \; ) \; + \; c \; Cosh[\; 4 \; x \;] \; ) \; + \; c \; Cosh[\; 4 \; x \;] \; ) \; + \; c \; Cosh[\; 4 \; x \;] \; ) \; + \; c \; Cosh[\; 4 \; x \;] \; ) \; + \; c \; Cosh[\; 4 \; x \;] \; ) \; + \; c \; Cosh[\; 4 \; x \;] \; ) \; + \; c \; Cosh[\; 4 \; x \;] \; ) \; + \; c \; Cosh[\; 4 \; x \;] \; ) \; + \; c \; Cosh[\; 4 \; x \;] \; ) \; + \; c \; Cosh[\; 4 \; x \;] \; ) \; + \; c \; Cosh[\; 4 \; x \;] \; ) \; + \; c \; Cosh[\; 4 \; x \;] \; ) \; + \; c \; Cosh[\; 4 \; x \;] \; ) \; + \; c \; Cosh[\; 4 \; x \;] \; ) \; + \; c \; Cosh[\; 4 \; x \;] \; ) \; + \; c \; Cosh[\; 4 \; x \;] \; ) \; + \; c \; Cosh[\; 4 \; x \;] \; ) \; + \; c \; Cosh[\; 4 \; x \;] \; ) \; + \; c \; Cosh[\; 4 \; x \;] \; ) \; + \; c \; Cosh[\; 4 \; x \;] \; ) \; + \; c \; Cosh[\; 4 \; x \;] \; ) \; + \; c \; Cosh[\; 4 \; x \;] \; ) \; + \; c \; Cosh[\; 4 \; x \;] \; ) \; + \; c \; Cosh[\; 4 \; x \;] \; + \; c \; Cosh[\; 4 \; x \;] \; ) \; + \; c \; Cosh[\; 4 \; x \;] \; + \; c \; Cosh[\; 4 \; x \;] \; ) \; + \; c \; Cosh[\; 4 \; x \;] \; + \; c \; Cosh[\; 4 \; x \;] \; + \; c \; Cosh[\; 4 \; x \;] \; + \; c \; Cosh[\; 4 \; x \;] \; + \; c \; Cosh[\; 4 \; x \;] \; + \; c \; Cosh[\; 4 \; x \;] \; + \; c \; Cosh[\; 4 \; x \;] \; + \; c \; Cosh[\; 4 \; x \;] \; + \; c \; Cosh[\; 4 \; x \;] \; + \; c \; Cosh[\; 4 \; x \;] \; + \; c \; Cosh[\; 4 \; x \;] \; + \; c \; Cosh[\; 4 \; x \;] \; + \; c \; Cosh[\; 4 \; x \;] \; + \; c \; Cosh[\; 
                            c(3a-b+3c-4aCosh[2x]+4cCosh[2x]+aCosh[4x]+bCosh[4x]+cCosh[4x])
                                        \left(\frac{1}{a+b+c}\left(-2\,b-4\,c+\sqrt{2}\,\sqrt{\left(2\,b^2-8\,a\,c+a\,\left(3\,a-b+3\,c-4\,a\,Cosh[\,2\,x\,]+4\,c\,Cosh[\,2\,x\,]+a\,Cosh[\,4\,x\,]+b\,Cosh[\,4\,x\,]+b\,Cosh[\,4\,x\,]+b\,Cosh[\,4\,x\,]+a\,Cosh[\,4\,x\,]+b\,Cosh[\,4\,x\,]+b\,Cosh[\,4\,x\,]+b\,Cosh[\,4\,x\,]+a\,Cosh[\,4\,x\,]+b\,Cosh[\,4\,x\,]+a\,Cosh[\,4\,x\,]+b\,Cosh[\,4\,x\,]+a\,Cosh[\,4\,x\,]+b\,Cosh[\,4\,x\,]+a\,Cosh[\,4\,x\,]+a\,Cosh[\,4\,x\,]+b\,Cosh[\,4\,x\,]+a\,Cosh[\,4\,x\,]+a\,Cosh[\,4\,x\,]+a\,Cosh[\,4\,x\,]+a\,Cosh[\,4\,x\,]+a\,Cosh[\,4\,x\,]+a\,Cosh[\,4\,x\,]+a\,Cosh[\,4\,x\,]+a\,Cosh[\,4\,x\,]+a\,Cosh[\,4\,x\,]+a\,Cosh[\,4\,x\,]+a\,Cosh[\,4\,x\,]+a\,Cosh[\,4\,x\,]+a\,Cosh[\,4\,x\,]+a\,Cosh[\,4\,x\,]+a\,Cosh[\,4\,x\,]+a\,Cosh[\,4\,x\,]+a\,Cosh[\,4\,x\,]+a\,Cosh[\,4\,x\,]+a\,Cosh[\,4\,x\,]+a\,Cosh[\,4\,x\,]+a\,Cosh[\,4\,x\,]+a\,Cosh[\,4\,x\,]+a\,Cosh[\,4\,x\,]+a\,Cosh[\,4\,x\,]+a\,Cosh[\,4\,x\,]+a\,Cosh[\,4\,x\,]+a\,Cosh[\,4\,x\,]+a\,Cosh[\,4\,x\,]+a\,Cosh[\,4\,x\,]+a\,Cosh[\,4\,x\,]+a\,Cosh[\,4\,x\,]+a\,Cosh[\,4\,x\,]+a\,Cosh[\,4\,x\,]+a\,Cosh[\,4\,x\,]+a\,Cosh[\,4\,x\,]+a\,Cosh[\,4\,x\,]+a\,Cosh[\,4\,x\,]+a\,Cosh[\,4\,x\,]+a\,Cosh[\,4\,x\,]+a\,Cosh[\,4\,x\,]+a\,Cosh[\,4\,x\,]+a\,Cosh[\,4\,x\,]+a\,Cosh[\,4\,x\,]+a\,Cosh[\,4\,x\,]+a\,Cosh[\,4\,x\,]+a\,Cosh[\,4\,x\,]+a\,Cosh[\,4\,x\,]+a\,Cosh[\,4\,x\,]+a\,Cosh[\,4\,x\,]+a\,Cosh[\,4\,x\,]+a\,Cosh[\,4\,x\,]+a\,Cosh[\,4\,x\,]+a\,Cosh[\,4\,x\,]+a\,Cosh[\,4\,x\,]+a\,Cosh[\,4\,x\,]+a\,Cosh[\,4\,x\,]+a\,Cosh[\,4\,x\,]+a\,Cosh[\,4\,x\,]+a\,Cosh[\,4\,x\,]+a\,Cosh[\,4\,x\,]+a\,Cosh[\,4\,x\,]+a\,Cosh[\,4\,x\,]+a\,Cosh[\,4\,x\,]+a\,Cosh[\,4\,x\,]+a\,Cosh[\,4\,x\,]+a\,Cosh[\,4\,x\,]+a\,Cosh[\,4\,x\,]+a\,Cosh[\,4\,x\,]+a\,Cosh[\,4\,x\,]+a\,Cosh[\,4\,x\,]+a\,Cosh[\,4\,x\,]+a\,Cosh[\,4\,x\,]+a\,Cosh[\,4\,x\,]+a\,Cosh[\,4\,x\,]+a\,Cosh[\,4\,x\,]+a\,Cosh[\,4\,x\,]+a\,Cosh[\,4\,x\,]+a\,Cosh[\,4\,x\,]+a\,Cosh[\,4\,x\,]+a\,Cosh[\,4\,x\,]+a\,Cosh[\,4\,x\,]+a\,Cosh[\,4\,x\,]+a\,Cosh[\,4\,x\,]+a\,Cosh[\,4\,x\,]+a\,Cosh[\,4\,x\,]+a\,Cosh[\,4\,x\,]+a\,Cosh[\,4\,x\,]+a\,Cosh[\,4\,x\,]+a\,Cosh[\,4\,x\,]+a\,Cosh[\,4\,x\,]+a\,Cosh[\,4\,x\,]+a\,Cosh[\,4\,x\,]+a\,Cosh[\,4\,x\,]+a\,Cosh[\,4\,x\,]+a\,Cosh[\,4\,x\,]+a\,Cosh[\,4\,x\,]+a\,Cosh[\,4\,x\,]+a\,Cosh[\,4\,x\,]+a\,Cosh[\,4\,x\,]+a\,Cosh[\,4\,x\,]+a\,Cosh[\,4\,x\,]+a\,Cosh[\,4\,x\,]+a\,Cosh[\,4\,x\,]+a\,Cosh[\,4\,x\,]+a\,Cosh[\,4\,x\,]+a\,Cosh[\,4\,x\,]+a\,Cosh[\,4\,x\,]+a\,Cosh[\,4\,x\,]+a\,Cosh[\,4\,x\,]+a\,Cosh[\,4\,x\,]+a\,Cosh[\,4\,x\,]+a\,Cosh[\,4\,x\,]+a\,Cosh[\,4\,x\,]+a\,Cosh[\,4\,x\,]+a\,Cosh[\,4\,x\,]+a\,Cosh[\,4\,x\,]+a\,Cosh[\,4\,x\,]+a\,Cosh[\,4\,x\,]+a\,Cosh[\,4\,x\,]+a\,Cosh[\,4\,x\,]+a\,Cosh[\,4\,x\,]+a\,Cosh[\,4\,x\,]+a\,Cosh[
                                                                                                                                                                                           \texttt{c} \; \texttt{Cosh[4\,x])} \; + \; \texttt{b} \; (3 \; \texttt{a} \; - \; \texttt{b} \; + \; 3 \; \texttt{c} \; - \; 4 \; \texttt{a} \; \texttt{Cosh[2\,x]} \; + \; 4 \; \texttt{c} \; \texttt{Cosh[2\,x]} \; + \; \texttt{a} \; \texttt{Cosh[4\,x]} \; + \; \texttt{b} \; \texttt{Cosh[4\,x]} \; + \; \texttt{c} \; \texttt{Cosh[4\,x]}) \; + \; \texttt{c} \; \texttt{cosh[4\,x]} \; + \; \texttt{cosh[4\,x]}
                                                                                                                                            c(3a-b+3c-4aCosh[2x]+4cCosh[2x]+aCosh[4x]+bCosh[4x]+cCosh[4x]))
         b \; (3 \; a \; -b \; + \; 3 \; c \; -4 \; a \; Cosh[\; 2 \; x] \; + \; 4 \; c \; Cosh[\; 2 \; x] \; + \; a \; Cosh[\; 4 \; x] \; + \; b \; Cosh[\; 4 \; x] \; + \; c \; Cosh[\; 4 \; x] \; ) \; + \; c \; Cosh[\; 4 \; x] \; ) \; + \; c \; Cosh[\; 4 \; x] \; ) \; + \; c \; Cosh[\; 4 \; x] \; ) \; + \; c \; Cosh[\; 4 \; x] \; ) \; + \; c \; Cosh[\; 4 \; x] \; ) \; + \; c \; Cosh[\; 4 \; x] \; ) \; + \; c \; Cosh[\; 4 \; x] \; ) \; + \; c \; Cosh[\; 4 \; x] \; ) \; + \; c \; Cosh[\; 4 \; x] \; ) \; + \; c \; Cosh[\; 4 \; x] \; ) \; + \; c \; Cosh[\; 4 \; x] \; ) \; + \; c \; Cosh[\; 4 \; x] \; ) \; + \; c \; Cosh[\; 4 \; x] \; ) \; + \; c \; Cosh[\; 4 \; x] \; ) \; + \; c \; Cosh[\; 4 \; x] \; ) \; + \; c \; Cosh[\; 4 \; x] \; ) \; + \; c \; Cosh[\; 4 \; x] \; ) \; + \; c \; Cosh[\; 4 \; x] \; ) \; + \; c \; Cosh[\; 4 \; x] \; ) \; + \; c \; Cosh[\; 4 \; x] \; ) \; + \; c \; Cosh[\; 4 \; x] \; ) \; + \; c \; Cosh[\; 4 \; x] \; ) \; + \; c \; Cosh[\; 4 \; x] \; ) \; + \; c \; Cosh[\; 4 \; x] \; ) \; + \; c \; Cosh[\; 4 \; x] \; ) \; + \; c \; Cosh[\; 4 \; x] \; ) \; + \; c \; Cosh[\; 4 \; x] \; ) \; + \; c \; Cosh[\; 4 \; x] \; ) \; + \; c \; Cosh[\; 4 \; x] \; ) \; + \; c \; Cosh[\; 4 \; x] \; ) \; + \; c \; Cosh[\; 4 \; x] \; ) \; + \; c \; Cosh[\; 4 \; x] \; ) \; + \; c \; Cosh[\; 4 \; x] \; ) \; + \; c \; Cosh[\; 4 \; x] \; ) \; + \; c \; Cosh[\; 4 \; x] \; ) \; + \; c \; Cosh[\; 4 \; x] \; ) \; + \; c \; Cosh[\; 4 \; x] \; ) \; + \; c \; Cosh[\; 4 \; x] \; ) \; + \; c \; Cosh[\; 4 \; x] \; ) \; + \; c \; Cosh[\; 4 \; x] \; ) \; + \; c \; Cosh[\; 4 \; x] \; ) \; + \; c \; Cosh[\; 4 \; x] \; ) \; + \; c \; Cosh[\; 4 \; x] \; ) \; + \; c \; Cosh[\; 4 \; x] \; ) \; + \; c \; Cosh[\; 4 \; x] \; ) \; + \; c \; Cosh[\; 4 \; x] \; ) \; + \; c \; Cosh[\; 4 \; x] \; ) \; + \; c \; Cosh[\; 4 \; x] \; ) \; + \; c \; Cosh[\; 4 \; x] \; ) \; + \; c \; Cosh[\; 4 \; x] \; ) \; + \; c \; Cosh[\; 4 \; x] \; ) \; + \; c \; Cosh[\; 4 \; x] \; ) \; + \; c \; Cosh[\; 4 \; x] \; ) \; + \; c \; Cosh[\; 4 \; x] \; + \; c \; Cosh[\; 4 \; x] \; ) \; + \; c \; Cosh[\; 4 \; x] \; ) \; + \; c \; Cosh[\; 4 \; x] \; + \; c \; Cosh[\; 4 \; x] \; ) \; + \; c \; Cosh[\; 4 \; x] \; + \; c \; Cosh[\; 4 \; x] \; + \; c \; Cosh[\; 4 \; x] \; + \; c \; Cosh[\; 4 \; x] \; + \; c \; Cosh[\; 4 \; x] \; + \; c \; Cosh[\; 4 \; x] \; + \; c \; Cosh[\; 4 \; x] \; + \; c \; Cosh[\; 4 \; x] \; + \; c \; Cosh[\; 4 \; x] \; + \; c \; Cosh[\; 4 \; x] \; + \; c \; Cosh[\; 4 \; x] \; + \; 
                                                                                             c (3 a - b + 3 c - 4 a Cosh[2 x] + 4 c Cosh[2 x] + a Cosh[4 x] + b Cosh[4 x] + c Cosh[4 x]))
\sqrt{\left[-1 + \frac{1}{2(a+b+c)} \left(2 a - 2 c + \sqrt{2} \sqrt{(2b^2 - 8 a c + a (3 a - b + 3 c - 4 a Cosh[2x] + 4 c Cosh[2x] + a Cosh[4x] + a Cosh[4x]
                                                                                                                                                                                                          b \, Cosh[\, 4 \, x] \, + c \, Cosh[\, 4 \, x] \, ) \, + b \, (\, 3 \, a - b + \, 3 \, c - \, 4 \, a \, Cosh[\, 2 \, x] \, + \, 4 \, c \, Cosh[\, 2 \, x] \, + \, a \, Cosh[\, 4 \, x] \, + \, b \, Cosh[\, 4 \, x] \, + \, b \, Cosh[\, 4 \, x] \, + \, b \, Cosh[\, 4 \, x] \, + \, b \, Cosh[\, 4 \, x] \, + \, b \, Cosh[\, 4 \, x] \, + \, b \, Cosh[\, 4 \, x] \, + \, b \, Cosh[\, 4 \, x] \, + \, b \, Cosh[\, 4 \, x] \, + \, b \, Cosh[\, 4 \, x] \, + \, b \, Cosh[\, 4 \, x] \, + \, b \, Cosh[\, 4 \, x] \, + \, b \, Cosh[\, 4 \, x] \, + \, b \, Cosh[\, 4 \, x] \, + \, b \, Cosh[\, 4 \, x] \, + \, b \, Cosh[\, 4 \, x] \, + \, b \, Cosh[\, 4 \, x] \, + \, b \, Cosh[\, 4 \, x] \, + \, b \, Cosh[\, 4 \, x] \, + \, b \, Cosh[\, 4 \, x] \, + \, b \, Cosh[\, 4 \, x] \, + \, b \, Cosh[\, 4 \, x] \, + \, b \, Cosh[\, 4 \, x] \, + \, b \, Cosh[\, 4 \, x] \, + \, b \, Cosh[\, 4 \, x] \, + \, b \, Cosh[\, 4 \, x] \, + \, b \, Cosh[\, 4 \, x] \, + \, b \, Cosh[\, 4 \, x] \, + \, b \, Cosh[\, 4 \, x] \, + \, b \, Cosh[\, 4 \, x] \, + \, b \, Cosh[\, 4 \, x] \, + \, b \, Cosh[\, 4 \, x] \, + \, b \, Cosh[\, 4 \, x] \, + \, b \, Cosh[\, 4 \, x] \, + \, b \, Cosh[\, 4 \, x] \, + \, b \, Cosh[\, 4 \, x] \, + \, b \, Cosh[\, 4 \, x] \, + \, b \, Cosh[\, 4 \, x] \, + \, b \, Cosh[\, 4 \, x] \, + \, b \, Cosh[\, 4 \, x] \, + \, b \, Cosh[\, 4 \, x] \, + \, b \, Cosh[\, 4 \, x] \, + \, b \, Cosh[\, 4 \, x] \, + \, b \, Cosh[\, 4 \, x] \, + \, b \, Cosh[\, 4 \, x] \, + \, b \, Cosh[\, 4 \, x] \, + \, b \, Cosh[\, 4 \, x] \, + \, b \, Cosh[\, 4 \, x] \, + \, b \, Cosh[\, 4 \, x] \, + \, b \, Cosh[\, 4 \, x] \, + \, b \, Cosh[\, 4 \, x] \, + \, b \, Cosh[\, 4 \, x] \, + \, b \, Cosh[\, 4 \, x] \, + \, b \, Cosh[\, 4 \, x] \, + \, b \, Cosh[\, 4 \, x] \, + \, b \, Cosh[\, 4 \, x] \, + \, b \, Cosh[\, 4 \, x] \, + \, b \, Cosh[\, 4 \, x] \, + \, b \, Cosh[\, 4 \, x] \, + \, b \, Cosh[\, 4 \, x] \, + \, b \, Cosh[\, 4 \, x] \, + \, b \, Cosh[\, 4 \, x] \, + \, b \, Cosh[\, 4 \, x] \, + \, b \, Cosh[\, 4 \, x] \, + \, b \, Cosh[\, 4 \, x] \, + \, b \, Cosh[\, 4 \, x] \, + \, b \, Cosh[\, 4 \, x] \, + \, b \, Cosh[\, 4 \, x] \, + \, b \, Cosh[\, 4 \, x] \, + \, b \, Cosh[\, 4 \, x] \, + \, b \, Cosh[\, 4 \, x] \, + \, b \, Cosh[\, 4 \, x] \, + \, b \, Cosh[\, 4 \, x] \, + \, b \, Cosh[\, 4 \, x] \, + \, b \, Cosh[\, 4 \, x] \, + \, b \, Cosh[\, 4 \, x] \, + \, b \, Cosh[\, 4 \, x] \, + \, b \, Cosh[\, 4 \, x] \, + \, b \, Cosh[\, 4 \, x] \, + \, b \, Cosh[\, 4
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c \, Cosh[4 \, x]) + c \, (3 \, a - b + 3 \, c - 4 \, a \, Cosh[2 \, x] + 4 \, c \, Cosh[2 \, x] + a \, Cosh[4 \, x] + b \, Cosh[4 \, x] + c \, Cosh[4 \, x]))
   \left(1 + \frac{1}{2 (a + b + c)} \left(2 a - 2 c + \sqrt{2} \sqrt{2 b^2 - 8 a c + a (3 a - b + 3 c - 4 a Cosh[2 x] + 4 c Cosh[2 x] + a Cosh[4 x] + b Cosh[4 x]
                                                                                                                                                                                                     c Cosh[4x]) + b (3 a - b + 3 c - 4 a Cosh[2x] + 4 c Cosh[2x] + a Cosh[4x] + b Cosh[4x] + c Cosh[4x]) +
                                                                                                                                                          \texttt{c} \; (3 \; \texttt{a} \; - \; \texttt{b} \; + \; \texttt{3} \; \texttt{c} \; - \; \texttt{4} \; \texttt{a} \; \texttt{Cosh}[2 \; \texttt{x}] \; + \; \texttt{4} \; \texttt{c} \; \texttt{Cosh}[2 \; \texttt{x}] \; + \; \texttt{a} \; \texttt{Cosh}[4 \; \texttt{x}] \; + \; \texttt{b} \; \texttt{Cosh}[4 \; \texttt{x}] \; + \; \texttt{c} \; \texttt{Cosh}[4 \; \texttt{x}] \; ) \; ) \; ) \; | \; \texttt{c} \; \texttt{c}
\sqrt{\,(3\,a-b+3\,c-4\,\,(a-c)\,\,Cosh[\,2\,x\,]\,+\,(a+b+c)\,\,Cosh[\,4\,x\,]\,)\,\,Csch[\,x\,]^{\,4}\,}\,\Bigg]\,-\,\Bigg|\,a\,\,Cosh[\,2\,x\,]
    (3 a - b + 3 c - 4 (a - c) Cosh[2x] + (a + b + c) Cosh[4x])
      \left(2\,\text{a}\,\sqrt{\,3\,\,\text{a}\,-\,\text{b}\,+\,3\,\,\text{c}\,-\,4\,\,\text{a}\,\,\text{Cosh}\,[\,2\,\,\text{x}\,]\,\,+\,4\,\,\text{c}\,\,\text{Cosh}\,[\,2\,\,\text{x}\,]\,\,+\,\text{a}\,\,\text{Cosh}\,[\,4\,\,\text{x}\,]\,\,+\,\text{b}\,\,\text{Cosh}\,[\,4\,\,\text{x}\,]\,\,+\,\text{c}\,\,\text{Cosh}\,[\,4\,\,\text{x}\,]\,\,+\,\text{c}\,\,\text{Cosh}\,[\,4\,\,\text{x}\,]\,\,+\,\text{c}\,\,\text{Cosh}\,[\,4\,\,\text{x}\,]\,\,+\,\text{c}\,\,\text{Cosh}\,[\,4\,\,\text{x}\,]\,\,+\,\text{c}\,\,\text{Cosh}\,[\,4\,\,\text{x}\,]\,\,+\,\text{c}\,\,\text{Cosh}\,[\,4\,\,\text{x}\,]\,\,+\,\text{c}\,\,\text{Cosh}\,[\,4\,\,\text{x}\,]\,\,+\,\text{c}\,\,\text{Cosh}\,[\,4\,\,\text{x}\,]\,\,+\,\text{c}\,\,\text{Cosh}\,[\,4\,\,\text{x}\,]\,\,+\,\text{c}\,\,\text{Cosh}\,[\,4\,\,\text{x}\,]\,\,+\,\text{c}\,\,\text{Cosh}\,[\,4\,\,\text{x}\,]\,\,+\,\text{c}\,\,\text{Cosh}\,[\,4\,\,\text{x}\,]\,\,+\,\text{c}\,\,\text{Cosh}\,[\,4\,\,\text{x}\,]\,\,+\,\text{c}\,\,\text{Cosh}\,[\,4\,\,\text{x}\,]\,\,+\,\text{c}\,\,\text{Cosh}\,[\,4\,\,\text{x}\,]\,\,+\,\text{c}\,\,\text{Cosh}\,[\,4\,\,\text{x}\,]\,\,+\,\text{c}\,\,\text{Cosh}\,[\,4\,\,\text{x}\,]\,\,+\,\text{c}\,\,\text{Cosh}\,[\,4\,\,\text{x}\,]\,\,+\,\text{c}\,\,\text{Cosh}\,[\,4\,\,\text{x}\,]\,\,+\,\text{c}\,\,\text{Cosh}\,[\,4\,\,\text{x}\,]\,\,+\,\text{c}\,\,\text{Cosh}\,[\,4\,\,\text{x}\,]\,\,+\,\text{c}\,\,\text{Cosh}\,[\,4\,\,\text{x}\,]\,\,+\,\text{c}\,\,\text{Cosh}\,[\,4\,\,\text{x}\,]\,\,+\,\text{c}\,\,\text{Cosh}\,[\,4\,\,\text{x}\,]\,\,+\,\text{c}\,\,\text{Cosh}\,[\,4\,\,\text{x}\,]\,\,+\,\text{c}\,\,\text{Cosh}\,[\,4\,\,\text{x}\,]\,\,+\,\text{c}\,\,\text{Cosh}\,[\,4\,\,\text{x}\,]\,\,+\,\text{c}\,\,\text{Cosh}\,[\,4\,\,\text{x}\,]\,\,+\,\text{c}\,\,\text{Cosh}\,[\,4\,\,\text{x}\,]\,\,+\,\text{c}\,\,\text{Cosh}\,[\,4\,\,\text{x}\,]\,\,+\,\text{c}\,\,\text{Cosh}\,[\,4\,\,\text{x}\,]\,\,+\,\text{c}\,\,\text{Cosh}\,[\,4\,\,\text{x}\,]\,\,+\,\text{c}\,\,\text{Cosh}\,[\,4\,\,\text{x}\,]\,\,+\,\text{c}\,\,\text{Cosh}\,[\,4\,\,\text{x}\,]\,\,+\,\text{c}\,\,\text{Cosh}\,[\,4\,\,\text{x}\,]\,\,+\,\text{c}\,\,\text{Cosh}\,[\,4\,\,\text{x}\,]\,\,+\,\text{c}\,\,\text{Cosh}\,[\,4\,\,\text{x}\,]\,\,+\,\text{c}\,\,\text{Cosh}\,[\,4\,\,\text{x}\,]\,\,+\,\text{c}\,\,\text{Cosh}\,[\,4\,\,\text{x}\,]\,\,+\,\text{c}\,\,\text{Cosh}\,[\,4\,\,\text{x}\,]\,\,+\,\text{c}\,\,\text{Cosh}\,[\,4\,\,\text{x}\,]\,\,+\,\text{c}\,\,\text{cosh}\,[\,4\,\,\text{x}\,]\,\,+\,\text{c}\,\,\text{cosh}\,[\,4\,\,\text{x}\,]\,\,+\,\text{c}\,\,\text{cosh}\,[\,4\,\,\text{x}\,]\,\,+\,\text{c}\,\,\text{cosh}\,[\,4\,\,\text{x}\,]\,\,+\,\text{c}\,\,\text{cosh}\,[\,4\,\,\text{x}\,]\,\,+\,\text{c}\,\,\text{cosh}\,[\,4\,\,\text{x}\,]\,\,+\,\text{c}\,\,\text{cosh}\,[\,4\,\,\text{x}\,]\,\,+\,\text{c}\,\,\text{cosh}\,[\,4\,\,\text{x}\,]\,\,+\,\text{c}\,\,\text{cosh}\,[\,4\,\,\text{x}\,]\,\,+\,\text{c}\,\,\text{cosh}\,[\,4\,\,\text{x}\,]\,\,+\,\text{c}\,\,\text{cosh}\,[\,4\,\,\text{x}\,]\,\,+\,\text{c}\,\,\text{cosh}\,[\,4\,\,\text{x}\,]\,\,+\,\text{c}\,\,\text{cosh}\,[\,4\,\,\text{x}\,]\,\,+\,\text{c}\,\,\text{cosh}\,[\,4\,\,\text{x}\,]\,\,+\,\text{c}\,\,\text{cosh}\,[\,4\,\,\text{x}\,]\,\,+\,\text{c}\,\,\text{cosh}\,[\,4\,\,\text{x}\,]\,\,+\,\text{c}\,\,\text{cosh}\,[\,4\,\,\text{x}\,]\,\,+\,\text{c}\,\,\text{cosh}\,[\,4\,\,\text{x}\,]\,\,+\,\text{c}\,\,\text{cosh}\,[\,4\,\,\text{x}\,]\,\,+\,\text{c}\,\,\text{cosh}\,[\,4\,\,\text{x}\,]\,\,+\,\text{c}\,\,\text{cosh}\,[\,4\,\,\text{x}\,]\,\,+\,\text{c}\,\,\text{cosh}\,[\,4\,\,\text{cosh}\,[\,4\,\,\text{x}\,]\,\,+\,\text{c}\,\,\text{cosh}\,[\,4\,\,\text{cosh}\,[\,4\,\,\text{cosh}\,[\,4
                            2 b \sqrt{3 a - b + 3 c - 4 a Cosh[2 x] + 4 c Cosh[2 x] + a Cosh[4 x] + b Cosh[4 x] + c Cosh[4 x]} +
                              2 c \sqrt{3 a - b + 3 c - 4 a \cosh[2 x] + 4 c \cosh[2 x] + a \cosh[4 x] + b \cosh[4 x] + c \cosh[4 x]}
\texttt{c} \; \texttt{Cosh} [\, 4 \; \mathbf{x} \,] \;) \; + \; \texttt{b} \; (\, 3 \; \texttt{a} \; - \; \texttt{b} \; + \; 3 \; \texttt{c} \; - \; 4 \; \texttt{a} \; \texttt{Cosh} [\, 2 \; \mathbf{x} \,] \; + \; 4 \; \texttt{c} \; \texttt{Cosh} [\, 2 \; \mathbf{x} \,] \; + \; \texttt{a} \; \texttt{Cosh} [\, 4 \; \mathbf{x} \,] \; + \; \texttt{b} \; \texttt{Cosh} [\, 4 \; \mathbf{x} \,] \; + \; \texttt{c} \; \texttt{Cosh} [\, 4 \; \mathbf{x} \,] \; ) \; + \; \texttt{c} \; \texttt{cosh} [\, 4 \; \mathbf{x} \,] \; + \; \texttt{c} \; \texttt{cosh} [\, 4 \; \mathbf{x} \,] \; + \; \texttt{c} \; \texttt{cosh} [\, 4 \; \mathbf{x} \,] \; + \; \texttt{c} \; \texttt{cosh} [\, 4 \; \mathbf{x} \,] \; + \; \texttt{c} \; \texttt{cosh} [\, 4 \; \mathbf{x} \,] \; + \; \texttt{c} \; \texttt{cosh} [\, 4 \; \mathbf{x} \,] \; + \; \texttt{c} \; \texttt{cosh} [\, 4 \; \mathbf{x} \,] \; + \; \texttt{c} \; \texttt{cosh} [\, 4 \; \mathbf{x} \,] \; + \; \texttt{c} \; \texttt{cosh} [\, 4 \; \mathbf{x} \,] \; + \; \texttt{c} \; \texttt{cosh} [\, 4 \; \mathbf{x} \,] \; + \; \texttt{c} \; \texttt{cosh} [\, 4 \; \mathbf{x} \,] \; + \; \texttt{c} \; \texttt{cosh} [\, 4 \; \mathbf{x} \,] \; + \; \texttt{c} \; \texttt{cosh} [\, 4 \; \mathbf{x} \,] \; + \; \texttt{c} \; \texttt{cosh} [\, 4 \; \mathbf{x} \,] \; + \; \texttt{c} \; \texttt{cosh} [\, 4 \; \mathbf{x} \,] \; + \; \texttt{c} \; \texttt{cosh} [\, 4 \; \mathbf{x} \,] \; + \; \texttt{c} \; \texttt{cosh} [\, 4 \; \mathbf{x} \,] \; + \; \texttt{c} \; \texttt{cosh} [\, 4 \; \mathbf{x} \,] \; + \; \texttt{c} \; \texttt{cosh} [\, 4 \; \mathbf{x} \,] \; + \; \texttt{c} \; \texttt{cosh} [\, 4 \; \mathbf{x} \,] \; + \; \texttt{c} \; \texttt{cosh} [\, 4 \; \mathbf{x} \,] \; + \; \texttt{c} \; \texttt{cosh} [\, 4 \; \mathbf{x} \,] \; + \; \texttt{c} \; \texttt{cosh} [\, 4 \; \mathbf{x} \,] \; + \; \texttt{c} \; \texttt{cosh} [\, 4 \; \mathbf{x} \,] \; + \; \texttt{c} \; \texttt{cosh} [\, 4 \; \mathbf{x} \,] \; + \; \texttt{c} \; \texttt{cosh} [\, 4 \; \mathbf{x} \,] \; + \; \texttt{c} \; \texttt{cosh} [\, 4 \; \mathbf{x} \,] \; + \; \texttt{c} \; \texttt{cosh} [\, 4 \; \mathbf{x} \,] \; + \; \texttt{c} \; \texttt{cosh} [\, 4 \; \mathbf{x} \,] \; + \; \texttt{c} \; \texttt{cosh} [\, 4 \; \mathbf{x} \,] \; + \; \texttt{c} \; \texttt{cosh} [\, 4 \; \mathbf{x} \,] \; + \; \texttt{c} \; \texttt{cosh} [\, 4 \; \mathbf{x} \,] \; + \; \texttt{c} \; \texttt{cosh} [\, 4 \; \mathbf{x} \,] \; + \; \texttt{c} \; \texttt{cosh} [\, 4 \; \mathbf{x} \,] \; + \; \texttt{c} \; \texttt{cosh} [\, 4 \; \mathbf{x} \,] \; + \; \texttt{c} \; \texttt{cosh} [\, 4 \; \mathbf{x} \,] \; + \; \texttt{c} \; \texttt{cosh} [\, 4 \; \mathbf{x} \,] \; + \; \texttt{c} \; \texttt{cosh} [\, 4 \; \mathbf{x} \,] \; + \; \texttt{c} \; \texttt{cosh} [\, 4 \; \mathbf{x} \,] \; + \; \texttt{c} \; \texttt{cosh} [\, 4 \; \mathbf{x} \,] \; + \; \texttt{c} \; \texttt{cosh} [\, 4 \; \mathbf{x} \,] \; + \; \texttt{c} \; \texttt{cosh} [\, 4 \; \mathbf{x} \,] \; + \; \texttt{c} \; \texttt{cosh} [\, 4 \; \mathbf{x} \,] \; + \; \texttt{c} \; \texttt{cosh} [\, 4 \; \mathbf{x} \,] \; + \; \texttt{c} \; \texttt{cosh} [\, 4 \; \mathbf{x} \,] \; + \; \texttt{c} \; \texttt{cosh} [\, 4 \; \mathbf{x} \,] \; + \; \texttt{c} \; \texttt{cosh} [\, 4 \; \mathbf{x} \,] \; + \; \texttt{c} \; \texttt{cosh} [\, 4 \; \mathbf{x} \,] \; + \; \texttt{c} \; \texttt{cosh} [\, 4 \; \mathbf{x} \,] \; + 
                                                                                                                                          c (3 a - b + 3 c - 4 a Cosh[2 x] + 4 c Cosh[2 x] + a Cosh[4 x] + b Cosh[4 x] + c Cosh[4 x]))
                            \frac{1}{\sqrt{a}} \operatorname{ArcTanh} \left[ \left( (2 \text{ a} + \text{b}) \sqrt{3 \text{ a} - \text{b} + 3 \text{ c} - 4 \text{ a} \operatorname{Cosh}[2 \text{ x}]} + 4 \text{ c} \operatorname{Cosh}[2 \text{ x}] + a \operatorname{Cosh}[4 \text{ x}] + b \operatorname{Cosh}[4 \text{ x}] + c \operatorname{Cosh}[4 \text{ x}] \right] \right) \right/ \left( (2 \text{ a} + \text{b}) \sqrt{3 \text{ a} - \text{b} + 3 \text{ c} - 4 \text{ a} \operatorname{Cosh}[2 \text{ x}]} + 4 \text{ c} \operatorname{Cosh}[2 \text{ x}] + a \operatorname{Cosh}[4 \text{ x}] + b \operatorname{Cosh}[4 \text{ x}] + c \operatorname{Cosh}[4 \text{ x}] \right) \right) 
                                                                                 \left(2\,\sqrt{a}\,\,\sqrt{\left(2\,b^2\,-\,8\,a\,c\,+\,a\,\left(3\,a\,-\,b\,+\,3\,c\,-\,4\,a\,Cosh[\,2\,x\,]\,+\,4\,c\,Cosh[\,2\,x\,]\,+\,a\,Cosh[\,4\,x\,]\,+\,b\,Cosh[\,4\,x\,]\,+\,b\,Cosh[\,4\,x\,]\,+\,c\,Cosh[\,4\,x\,]\,\right)\,+\,3\,c\,-\,4\,a\,Cosh[\,2\,x\,]\,+\,4\,c\,Cosh[\,2\,x\,]\,+\,a\,Cosh[\,4\,x\,]\,+\,b\,Cosh[\,4\,x\,]\,+\,b\,Cosh[\,4\,x\,]\,+\,c\,Cosh[\,4\,x\,]\,+\,c\,Cosh[\,4\,x\,]\,+\,c\,Cosh[\,4\,x\,]\,+\,c\,Cosh[\,4\,x\,]\,+\,c\,Cosh[\,4\,x\,]\,+\,c\,Cosh[\,4\,x\,]\,+\,c\,Cosh[\,4\,x\,]\,+\,c\,Cosh[\,4\,x\,]\,+\,c\,Cosh[\,4\,x\,]\,+\,c\,Cosh[\,4\,x\,]\,+\,c\,Cosh[\,4\,x\,]\,+\,c\,Cosh[\,4\,x\,]\,+\,c\,Cosh[\,4\,x\,]\,+\,c\,Cosh[\,4\,x\,]\,+\,c\,Cosh[\,4\,x\,]\,+\,c\,Cosh[\,4\,x\,]\,+\,c\,Cosh[\,4\,x\,]\,+\,c\,Cosh[\,4\,x\,]\,+\,c\,Cosh[\,4\,x\,]\,+\,c\,Cosh[\,4\,x\,]\,+\,c\,Cosh[\,4\,x\,]\,+\,c\,Cosh[\,4\,x\,]\,+\,c\,Cosh[\,4\,x\,]\,+\,c\,Cosh[\,4\,x\,]\,+\,c\,Cosh[\,4\,x\,]\,+\,c\,Cosh[\,4\,x\,]\,+\,c\,Cosh[\,4\,x\,]\,+\,c\,Cosh[\,4\,x\,]\,+\,c\,Cosh[\,4\,x\,]\,+\,c\,Cosh[\,4\,x\,]\,+\,c\,Cosh[\,4\,x\,]\,+\,c\,Cosh[\,4\,x\,]\,+\,c\,Cosh[\,4\,x\,]\,+\,c\,Cosh[\,4\,x\,]\,+\,c\,Cosh[\,4\,x\,]\,+\,c\,Cosh[\,4\,x\,]\,+\,c\,Cosh[\,4\,x\,]\,+\,c\,Cosh[\,4\,x\,]\,+\,c\,Cosh[\,4\,x\,]\,+\,c\,Cosh[\,4\,x\,]\,+\,c\,Cosh[\,4\,x\,]\,+\,c\,Cosh[\,4\,x\,]\,+\,c\,Cosh[\,4\,x\,]\,+\,c\,Cosh[\,4\,x\,]\,+\,c\,Cosh[\,4\,x\,]\,+\,c\,Cosh[\,4\,x\,]\,+\,c\,Cosh[\,4\,x\,]\,+\,c\,Cosh[\,4\,x\,]\,+\,c\,Cosh[\,4\,x\,]\,+\,c\,Cosh[\,4\,x\,]\,+\,c\,Cosh[\,4\,x\,]\,+\,c\,Cosh[\,4\,x\,]\,+\,c\,Cosh[\,4\,x\,]\,+\,c\,Cosh[\,4\,x\,]\,+\,c\,Cosh[\,4\,x\,]\,+\,c\,Cosh[\,4\,x\,]\,+\,c\,Cosh[\,4\,x\,]\,+\,c\,Cosh[\,4\,x\,]\,+\,c\,Cosh[\,4\,x\,]\,+\,c\,Cosh[\,4\,x\,]\,+\,c\,Cosh[\,4\,x\,]\,+\,c\,Cosh[\,4\,x\,]\,+\,c\,Cosh[\,4\,x\,]\,+\,c\,Cosh[\,4\,x\,]\,+\,c\,Cosh[\,4\,x\,]\,+\,c\,Cosh[\,4\,x\,]\,+\,c\,Cosh[\,4\,x\,]\,+\,c\,Cosh[\,4\,x\,]\,+\,c\,Cosh[\,4\,x\,]\,+\,c\,Cosh[\,4\,x\,]\,+\,c\,Cosh[\,4\,x\,]\,+\,c\,Cosh[\,4\,x\,]\,+\,c\,Cosh[\,4\,x\,]\,+\,c\,Cosh[\,4\,x\,]\,+\,c\,Cosh[\,4\,x\,]\,+\,c\,Cosh[\,4\,x\,]\,+\,c\,Cosh[\,4\,x\,]\,+\,c\,Cosh[\,4\,x\,]\,+\,c\,Cosh[\,4\,x\,]\,+\,c\,Cosh[\,4\,x\,]\,+\,c\,Cosh[\,4\,x\,]\,+\,c\,Cosh[\,4\,x\,]\,+\,c\,Cosh[\,4\,x\,]\,+\,c\,Cosh[\,4\,x\,]\,+\,c\,Cosh[\,4\,x\,]\,+\,c\,Cosh[\,4\,x\,]\,+\,c\,Cosh[\,4\,x\,]\,+\,c\,Cosh[\,4\,x\,]\,+\,c\,Cosh[\,4\,x\,]\,+\,c\,Cosh[\,4\,x\,]\,+\,c\,Cosh[\,4\,x\,]\,+\,c\,Cosh[\,4\,x\,]\,+\,c\,Cosh[\,4\,x\,]\,+\,c\,Cosh[\,4\,x\,]\,+\,c\,Cosh[\,4\,x\,]\,+\,c\,Cosh[\,4\,x\,]\,+\,c\,Cosh[\,4\,x\,]\,+\,c\,Cosh[\,4\,x\,]\,+\,c\,Cosh[\,4\,x\,]\,+\,c\,Cosh[\,4\,x\,]\,+\,c\,Cosh[\,4\,x\,]\,+\,c\,Cosh[\,4\,x\,]\,+\,c\,Cosh[\,4\,x\,]\,+\,c\,Cosh[\,4\,x\,]\,+\,c\,Cosh[\,4\,x\,]\,+\,c\,Cosh[\,4\,x\,]\,+\,c\,Cosh[\,4\,x\,]\,+\,c\,Cosh[\,4\,x\,]\,+\,c\,Cosh[\,4\,x\,]\,+\,c\,Cosh[\,4\,x\,]\,+\,c\,Cosh[\,4\,x\,]\,+\,c\,Cosh[\,4\,x\,]\,+\,c\,Cosh[\,4
                                                                                                                                                         b(3a-b+3c-4aCosh[2x]+4cCosh[2x]+aCosh[4x]+bCosh[4x]+cCosh[4x])+
                                                                                                                                                         c(3a-b+3c-4aCosh[2x]+4cCosh[2x]+aCosh[4x]+bCosh[4x]+cCosh[4x])))
                              \frac{1}{\sqrt{a+b+c}} 2 \log \left[ 2 \left( a \sqrt{3 a-b+3 c-4 a \cosh[2 x]+4 c \cosh[2 x]+a \cosh[4 x]+b \cosh[4 x]+c \cosh[4 x]} + \frac{1}{2 \cosh[4 x]+b \cosh[4 x]+b \cosh[4 x]} + \frac{1}{2 \cosh[4 x]+b \cosh[4 x]+b \cosh[4 x]} + \frac{1}{2 \cosh[4 x]+b \cosh[4 x]+b \cosh[4 x]+b \cosh[4 x]+b \cosh[4 x]} + \frac{1}{2 \cosh[4 x]+b \cosh[4
                                                                                                                          b\sqrt{3}a - b + 3c - 4a \cosh[2x] + 4c \cosh[2x] + a \cosh[4x] + b \cosh[4x] + c \cosh[4x] + c \cosh[4x] + c \cosh[4x]
                                                                                                                                            \sqrt{3} a - b + 3 c - 4 a Cosh[2x] + 4 c Cosh[2x] + a Cosh[4x] + b Cosh[4x] + c Cosh[4x] + \sqrt{a+b+c}
                                                                                                                                          \sqrt{\,\left(2\,b^2\,-\,8\,a\,c\,+\,a\,\left(3\,a\,-\,b\,+\,3\,c\,-\,4\,a\,Cosh\,[\,2\,x\,]\,+\,4\,c\,Cosh\,[\,2\,x\,]\,+\,a\,Cosh\,[\,4\,x\,]\,+\,b\,Cosh\,[\,4\,x\,]\,+\,c\,Cosh\,[\,4\,x\,]\,\right)\,+\,3\,c\,-\,4\,a\,Cosh\,[\,2\,x\,]\,+\,4\,c\,Cosh\,[\,2\,x\,]\,+\,a\,Cosh\,[\,4\,x\,]\,+\,b\,Cosh\,[\,4\,x\,]\,+\,b\,Cosh\,[\,4\,x\,]\,+\,b\,Cosh\,[\,4\,x\,]\,+\,c\,Cosh\,[\,4\,x\,]\,+\,b\,Cosh\,[\,4\,x\,]\,+\,b\,Cosh\,[\,4\,x\,]\,+\,b\,Cosh\,[\,4\,x\,]\,+\,b\,Cosh\,[\,4\,x\,]\,+\,b\,Cosh\,[\,4\,x\,]\,+\,b\,Cosh\,[\,4\,x\,]\,+\,b\,Cosh\,[\,4\,x\,]\,+\,b\,Cosh\,[\,4\,x\,]\,+\,b\,Cosh\,[\,4\,x\,]\,+\,b\,Cosh\,[\,4\,x\,]\,+\,b\,Cosh\,[\,4\,x\,]\,+\,b\,Cosh\,[\,4\,x\,]\,+\,b\,Cosh\,[\,4\,x\,]\,+\,b\,Cosh\,[\,4\,x\,]\,+\,b\,Cosh\,[\,4\,x\,]\,+\,b\,Cosh\,[\,4\,x\,]\,+\,b\,Cosh\,[\,4\,x\,]\,+\,b\,Cosh\,[\,4\,x\,]\,+\,b\,Cosh\,[\,4\,x\,]\,+\,b\,Cosh\,[\,4\,x\,]\,+\,b\,Cosh\,[\,4\,x\,]\,+\,b\,Cosh\,[\,4\,x\,]\,+\,b\,Cosh\,[\,4\,x\,]\,+\,b\,Cosh\,[\,4\,x\,]\,+\,b\,Cosh\,[\,4\,x\,]\,+\,b\,Cosh\,[\,4\,x\,]\,+\,b\,Cosh\,[\,4\,x\,]\,+\,b\,Cosh\,[\,4\,x\,]\,+\,b\,Cosh\,[\,4\,x\,]\,+\,b\,Cosh\,[\,4\,x\,]\,+\,b\,Cosh\,[\,4\,x\,]\,+\,b\,Cosh\,[\,4\,x\,]\,+\,b\,Cosh\,[\,4\,x\,]\,+\,b\,Cosh\,[\,4\,x\,]\,+\,b\,Cosh\,[\,4\,x\,]\,+\,b\,Cosh\,[\,4\,x\,]\,+\,b\,Cosh\,[\,4\,x\,]\,+\,b\,Cosh\,[\,4\,x\,]\,+\,b\,Cosh\,[\,4\,x\,]\,+\,b\,Cosh\,[\,4\,x\,]\,+\,b\,Cosh\,[\,4\,x\,]\,+\,b\,Cosh\,[\,4\,x\,]\,+\,b\,Cosh\,[\,4\,x\,]\,+\,b\,Cosh\,[\,4\,x\,]\,+\,b\,Cosh\,[\,4\,x\,]\,+\,b\,Cosh\,[\,4\,x\,]\,+\,b\,Cosh\,[\,4\,x\,]\,+\,b\,Cosh\,[\,4\,x\,]\,+\,b\,Cosh\,[\,4\,x\,]\,+\,b\,Cosh\,[\,4\,x\,]\,+\,b\,Cosh\,[\,4\,x\,]\,+\,b\,Cosh\,[\,4\,x\,]\,+\,b\,Cosh\,[\,4\,x\,]\,+\,b\,Cosh\,[\,4\,x\,]\,+\,b\,Cosh\,[\,4\,x\,]\,+\,b\,Cosh\,[\,4\,x\,]\,+\,b\,Cosh\,[\,4\,x\,]\,+\,b\,Cosh\,[\,4\,x\,]\,+\,b\,Cosh\,[\,4\,x\,]\,+\,b\,Cosh\,[\,4\,x\,]\,+\,b\,Cosh\,[\,4\,x\,]\,+\,b\,Cosh\,[\,4\,x\,]\,+\,b\,Cosh\,[\,4\,x\,]\,+\,b\,Cosh\,[\,4\,x\,]\,+\,b\,Cosh\,[\,4\,x\,]\,+\,b\,Cosh\,[\,4\,x\,]\,+\,b\,Cosh\,[\,4\,x\,]\,+\,b\,Cosh\,[\,4\,x\,]\,+\,b\,Cosh\,[\,4\,x\,]\,+\,b\,Cosh\,[\,4\,x\,]\,+\,b\,Cosh\,[\,4\,x\,]\,+\,b\,Cosh\,[\,4\,x\,]\,+\,b\,Cosh\,[\,4\,x\,]\,+\,b\,Cosh\,[\,4\,x\,]\,+\,b\,Cosh\,[\,4\,x\,]\,+\,b\,Cosh\,[\,4\,x\,]\,+\,b\,Cosh\,[\,4\,x\,]\,+\,b\,Cosh\,[\,4\,x\,]\,+\,b\,Cosh\,[\,4\,x\,]\,+\,b\,Cosh\,[\,4\,x\,]\,+\,b\,Cosh\,[\,4\,x\,]\,+\,b\,Cosh\,[\,4\,x\,]\,+\,b\,Cosh\,[\,4\,x\,]\,+\,b\,Cosh\,[\,4\,x\,]\,+\,b\,Cosh\,[\,4\,x\,]\,+\,b\,Cosh\,[\,4\,x\,]\,+\,b\,Cosh\,[\,4\,x\,]\,+\,b\,Cosh\,[\,4\,x\,]\,+\,b\,Cosh\,[\,4\,x\,]\,+\,b\,Cosh\,[\,4\,x\,]\,+\,b\,Cosh\,[\,4\,x\,]\,+\,b\,Cosh\,[\,4\,x\,]\,+\,b\,Cosh\,[\,4\,x\,]\,+\,b\,Cosh\,[\,4\,x\,]\,+\,b\,Cosh\,[\,4\,x\,]\,+\,b\,Cosh\,[\,4\,x\,]\,+\,b\,Cosh\,[\,4\,x\,]\,+\,b\,Cosh\,[\,4\,x\,]\,+\,b\,Cosh\,[\,4\,x\,]\,+\,b\,Cosh\,[\,4\,x\,]\,+\,b\,Cosh\,[\,4\,x\,]\,+\,b\,Cosh\,[\,4\,x\,]\,+\,b\,Cosh\,[\,4\,x\,]\,+\,b\,Cosh\,[\,4\,x\,]\,+\,b\,Cosh\,[\,4\,x\,]
```

 $b \; (3 \; a - b + 3 \; c - 4 \; a \; Cosh[2 \; x] \; + \; 4 \; c \; Cosh[2 \; x] \; + \; a \; Cosh[4 \; x] \; + \; b \; Cosh[4 \; x] \; + \; c \; Cosh[4 \; x]) \; + \; c \; Cosh[4 \; x] \; + \; c \; Cos$ 

```
\verb|c|| (3 | a - b + 3 | c - 4 | a | Cosh[2 | x] + 4 | c | Cosh[2 | x] + a | Cosh[4 | x] + b | Cosh[4 | x] + c | Cosh[4 
                                                                                                                                                                                                                          a Coth[2x] Sinh[x]^2
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           a \operatorname{Csch}[2x] \operatorname{Sinh}[x]^2
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   \sqrt{3 a - b + 3 c - 4 (a - c) \cosh[2 x] + (a + b + c) \cosh[4 x]}
                 \sqrt{3 a - b + 3 c - 4 (a - c) \cosh[2 x] + (a + b + c) \cosh[4 x]}
                                                                                                                                                                                                                                      bCsch[2x]Sinh[x]2
                                 \sqrt{3} a - b + 3 c - 4 (a - c) Cosh[2x] + (a + b + c) Cosh[4x]
   (-4 \text{ a Sinh}[2 \text{ x}] + 4 \text{ c Sinh}[2 \text{ x}] + 2 \text{ a Sinh}[4 \text{ x}] + 2 \text{ b Sinh}[4 \text{ x}] + 2 \text{ c Sinh}[4 \text{ x}])
 (a (-8 a Sinh[2x] + 8 c Sinh[2x] + 4 a Sinh[4x] + 4 b Sinh[4x] + 4 c Sinh[4x]) +
                           b(-8 a Sinh[2x] + 8 c Sinh[2x] + 4 a Sinh[4x] + 4 b Sinh[4x] + 4 c Sinh[4x]) +
                           (-a + b + a \cosh[2x]) \sqrt{3} a - b + 3 c - 4 a \cosh[2x] + 4 c \cosh[2x] + a \cosh[4x] + b \cosh[4x] + c \cosh[4x]
    \texttt{b} \; ( \; 3 \; \texttt{a} \; - \; \texttt{b} \; + \; 3 \; \texttt{c} \; - \; 4 \; \texttt{a} \; \texttt{Cosh}[ \; 2 \; \texttt{x} ] \; + \; 4 \; \texttt{c} \; \texttt{Cosh}[ \; 2 \; \texttt{x} ] \; + \; \texttt{a} \; \texttt{Cosh}[ \; 4 \; \texttt{x} ] \; + \; \texttt{b} \; \texttt{Cosh}[ \; 4 \; \texttt{x} ] \; + \; \texttt{c} \; \texttt{Cosh}[ \; 4 \; \texttt{x} ] \; ) \; + \; \texttt{cosh}[ \; 4 \; \texttt{x} ] \; + \; \texttt{cosh}[ \; 4 \; \texttt{x} ] \; + \; \texttt{cosh}[ \; 4 \; \texttt{x} ] \; ) \; + \; \texttt{cosh}[ \; 4 \; \texttt{x} ] \; + \; \texttt{cosh}[ \; 4 \; \texttt{x} ] \; + \; \texttt{cosh}[ \; 4 \; \texttt{x} ] \; + \; \texttt{cosh}[ \; 4 \; \texttt{x} ] \; + \; \texttt{cosh}[ \; 4 \; \texttt{x} ] \; + \; \texttt{cosh}[ \; 4 \; \texttt{x} ] \; + \; \texttt{cosh}[ \; 4 \; \texttt{x} ] \; + \; \texttt{cosh}[ \; 4 \; \texttt{x} ] \; + \; \texttt{cosh}[ \; 4 \; \texttt{x} ] \; + \; \texttt{cosh}[ \; 4 \; \texttt{x} ] \; + \; \texttt{cosh}[ \; 4 \; \texttt{x} ] \; + \; \texttt{cosh}[ \; 4 \; \texttt{x} ] \; + \; \texttt{cosh}[ \; 4 \; \texttt{x} ] \; + \; \texttt{cosh}[ \; 4 \; \texttt{x} ] \; + \; \texttt{cosh}[ \; 4 \; \texttt{x} ] \; + \; \texttt{cosh}[ \; 4 \; \texttt{x} ] \; + \; \texttt{cosh}[ \; 4 \; \texttt{x} ] \; + \; \texttt{cosh}[ \; 4 \; \texttt{x} ] \; + \; \texttt{cosh}[ \; 4 \; \texttt{x} ] \; + \; \texttt{cosh}[ \; 4 \; \texttt{x} ] \; + \; \texttt{cosh}[ \; 4 \; \texttt{x} ] \; + \; \texttt{cosh}[ \; 4 \; \texttt{x} ] \; + \; \texttt{cosh}[ \; 4 \; \texttt{x} ] \; + \; \texttt{cosh}[ \; 4 \; \texttt{x} ] \; + \; \texttt{cosh}[ \; 4 \; \texttt{x} ] \; + \; \texttt{cosh}[ \; 4 \; \texttt{x} ] \; + \; \texttt{cosh}[ \; 4 \; \texttt{x} ] \; + \; \texttt{cosh}[ \; 4 \; \texttt{x} ] \; + \; \texttt{cosh}[ \; 4 \; \texttt{x} ] \; + \; \texttt{cosh}[ \; 4 \; \texttt{x} ] \; + \; \texttt{cosh}[ \; 4 \; \texttt{x} ] \; + \; \texttt{cosh}[ \; 4 \; \texttt{x} ] \; + \; \texttt{cosh}[ \; 4 \; \texttt{x} ] \; + \; \texttt{cosh}[ \; 4 \; \texttt{x} ] \; + \; \texttt{cosh}[ \; 4 \; \texttt{x} ] \; + \; \texttt{cosh}[ \; 4 \; \texttt{x} ] \; + \; \texttt{cosh}[ \; 4 \; \texttt{x} ] \; + \; \texttt{cosh}[ \; 4 \; \texttt{x} ] \; + \; \texttt{cosh}[ \; 4 \; \texttt{x} ] \; + \; \texttt{cosh}[ \; 4 \; \texttt{x} ] \; + \; \texttt{cosh}[ \; 4 \; \texttt{x} ] \; + \; \texttt{cosh}[ \; 4 \; \texttt{x} ] \; + \; \texttt{cosh}[ \; 4 \; \texttt{x} ] \; + \; \texttt{cosh}[ \; 4 \; \texttt{x} ] \; + \; \texttt{cosh}[ \; 4 \; \texttt{x} ] \; + \; \texttt{cosh}[ \; 4 \; \texttt{x} ] \; + \; \texttt{cosh}[ \; 4 \; \texttt{x} ] \; + \; \texttt{cosh}[ \; 4 \; \texttt{x} ] \; + \; \texttt{cosh}[ \; 4 \; \texttt{x} ] \; + \; \texttt{cosh}[ \; 4 \; \texttt{x} ] \; + \; \texttt{cosh}[ \; 4 \; \texttt{x} ] \; + \; \texttt{cosh}[ \; 4 \; \texttt{x} ] \; + \; \texttt{cosh}[ \; 4 \; \texttt{x} ] \; + \; \texttt{cosh}[ \; 4 \; \texttt{x} ] \; + \; \texttt{cosh}[ \; 4 \; \texttt{x} ] \; + \; \texttt{cosh}[ \; 4 \; \texttt{x} ] \; + \; \texttt{cosh}[ \; 4 \; \texttt{x} ] \; + \; \texttt{cosh}[ \; 4 \; \texttt{x} ] \; + \; \texttt{cosh}[ \; 4 \; \texttt{x} ] \; + \; \texttt{cosh}[ \; 4 \; \texttt{x} ] \; + \; \texttt{cosh}[ \; 4 \; \texttt{x} ] \; + \; \texttt{cosh}[
                           c(3a-b+3c-4aCosh[2x]+4cCosh[2x]+aCosh[4x]+bCosh[4x]+cCosh[4x])
                                                                                                      = \left[ -2\,b - 4\,c + \sqrt{2}\,\,\sqrt{\left(2\,b^2 - 8\,a\,c + a\,\left(3\,a - b + 3\,c - 4\,a\,Cosh[2\,x] + 4\,c\,Cosh[2\,x] + a\,Cosh[4\,x] + b\,Cosh[4\,x] + b
                                                                                                                                                                      \texttt{c} \; \texttt{Cosh} [\, 4 \; \mathbf{x} \,] \;) \; + \; \texttt{b} \; (\, 3 \; \texttt{a} \; - \; \texttt{b} \; + \; 3 \; \texttt{c} \; - \; 4 \; \texttt{a} \; \texttt{Cosh} [\, 2 \; \mathbf{x} \,] \; + \; 4 \; \texttt{c} \; \texttt{Cosh} [\, 2 \; \mathbf{x} \,] \; + \; \texttt{a} \; \texttt{Cosh} [\, 4 \; \mathbf{x} \,] \; + \; \texttt{b} \; \texttt{Cosh} [\, 4 \; \mathbf{x} \,] \; + \; \texttt{c} \; \texttt{Cosh} [\, 4 \; \mathbf{x} \,] \; ) \; + \; \texttt{c} \; \texttt{cosh} [\, 4 \; \mathbf{x} \,] \; + \; \texttt{c} \; \texttt{cosh} [\, 4 \; \mathbf{x} \,] \; + \; \texttt{c} \; \texttt{cosh} [\, 4 \; \mathbf{x} \,] \; + \; \texttt{c} \; \texttt{cosh} [\, 4 \; \mathbf{x} \,] \; + \; \texttt{c} \; \texttt{cosh} [\, 4 \; \mathbf{x} \,] \; + \; \texttt{c} \; \texttt{cosh} [\, 4 \; \mathbf{x} \,] \; + \; \texttt{c} \; \texttt{cosh} [\, 4 \; \mathbf{x} \,] \; + \; \texttt{c} \; \texttt{cosh} [\, 4 \; \mathbf{x} \,] \; + \; \texttt{c} \; \texttt{cosh} [\, 4 \; \mathbf{x} \,] \; + \; \texttt{c} \; \texttt{cosh} [\, 4 \; \mathbf{x} \,] \; + \; \texttt{c} \; \texttt{cosh} [\, 4 \; \mathbf{x} \,] \; + \; \texttt{c} \; \texttt{cosh} [\, 4 \; \mathbf{x} \,] \; + \; \texttt{c} \; \texttt{cosh} [\, 4 \; \mathbf{x} \,] \; + \; \texttt{c} \; \texttt{cosh} [\, 4 \; \mathbf{x} \,] \; + \; \texttt{c} \; \texttt{cosh} [\, 4 \; \mathbf{x} \,] \; + \; \texttt{c} \; \texttt{cosh} [\, 4 \; \mathbf{x} \,] \; + \; \texttt{c} \; \texttt{cosh} [\, 4 \; \mathbf{x} \,] \; + \; \texttt{c} \; \texttt{cosh} [\, 4 \; \mathbf{x} \,] \; + \; \texttt{c} \; \texttt{cosh} [\, 4 \; \mathbf{x} \,] \; + \; \texttt{c} \; \texttt{cosh} [\, 4 \; \mathbf{x} \,] \; + \; \texttt{c} \; \texttt{cosh} [\, 4 \; \mathbf{x} \,] \; + \; \texttt{c} \; \texttt{cosh} [\, 4 \; \mathbf{x} \,] \; + \; \texttt{c} \; \texttt{cosh} [\, 4 \; \mathbf{x} \,] \; + \; \texttt{c} \; \texttt{cosh} [\, 4 \; \mathbf{x} \,] \; + \; \texttt{c} \; \texttt{cosh} [\, 4 \; \mathbf{x} \,] \; + \; \texttt{c} \; \texttt{cosh} [\, 4 \; \mathbf{x} \,] \; + \; \texttt{c} \; \texttt{cosh} [\, 4 \; \mathbf{x} \,] \; + \; \texttt{c} \; \texttt{cosh} [\, 4 \; \mathbf{x} \,] \; + \; \texttt{c} \; \texttt{cosh} [\, 4 \; \mathbf{x} \,] \; + \; \texttt{c} \; \texttt{cosh} [\, 4 \; \mathbf{x} \,] \; + \; \texttt{c} \; \texttt{cosh} [\, 4 \; \mathbf{x} \,] \; + \; \texttt{c} \; \texttt{cosh} [\, 4 \; \mathbf{x} \,] \; + \; \texttt{c} \; \texttt{cosh} [\, 4 \; \mathbf{x} \,] \; + \; \texttt{c} \; \texttt{cosh} [\, 4 \; \mathbf{x} \,] \; + \; \texttt{c} \; \texttt{cosh} [\, 4 \; \mathbf{x} \,] \; + \; \texttt{c} \; \texttt{cosh} [\, 4 \; \mathbf{x} \,] \; + \; \texttt{c} \; \texttt{cosh} [\, 4 \; \mathbf{x} \,] \; + \; \texttt{c} \; \texttt{cosh} [\, 4 \; \mathbf{x} \,] \; + \; \texttt{c} \; \texttt{cosh} [\, 4 \; \mathbf{x} \,] \; + \; \texttt{c} \; \texttt{cosh} [\, 4 \; \mathbf{x} \,] \; + \; \texttt{c} \; \texttt{cosh} [\, 4 \; \mathbf{x} \,] \; + \; \texttt{c} \; \texttt{cosh} [\, 4 \; \mathbf{x} \,] \; + \; \texttt{c} \; \texttt{cosh} [\, 4 \; \mathbf{x} \,] \; + \; \texttt{c} \; \texttt{cosh} [\, 4 \; \mathbf{x} \,] \; + \; \texttt{c} \; \texttt{cosh} [\, 4 \; \mathbf{x} \,] \; + \; \texttt{c} \; \texttt{cosh} [\, 4 \; \mathbf{x} \,] \; + \; \texttt{c} \; \texttt{cosh} [\, 4 \; \mathbf{x} \,] \; + \; \texttt{c} \; \texttt{cosh} [\, 4 \; \mathbf{x} \,] \; + \; \texttt{c} \; \texttt{cosh} [\, 4 \; \mathbf{x} \,] \; + 
                                                                                                                             c(3a-b+3c-4aCosh[2x]+4cCosh[2x]+aCosh[4x]+bCosh[4x]+cCosh[4x])
     2a-2c+\sqrt{2}\sqrt{2b^2-8ac+a(3a-b+3c-4a\cosh[2x]+4c\cosh[2x]+a\cosh[4x]+b\cosh[4x]+c\cosh[4x]+c\cosh[4x])}
                                                                                  \texttt{b} \; ( \; \texttt{3} \; \texttt{a} - \texttt{b} + \texttt{3} \; \texttt{c} - \texttt{4} \; \texttt{a} \; \texttt{Cosh} [ \; \texttt{2} \; \texttt{x} ] \; + \texttt{4} \; \texttt{c} \; \texttt{Cosh} [ \; \texttt{2} \; \texttt{x} ] \; + \texttt{a} \; \texttt{Cosh} [ \; \texttt{4} \; \texttt{x} ] \; + \texttt{b} \; \texttt{Cosh} [ \; \texttt{4} \; \texttt{x} ] \; + \texttt{c} \; \texttt{Cosh} [ \; \texttt{4} \; \texttt{x} ] \; ) \; + \texttt{c} \; \texttt{cosh} [ \; \texttt{4} \; \texttt{x} ] \; + \texttt{cosh} [ \; \texttt{4} \; \texttt{x} ] \; + \texttt{cosh} [ \; \texttt{4} \; \texttt{x} ] \; ) \; + \texttt{cosh} [ \; \texttt{4} \; \texttt{x} ] \; + \texttt{cosh} [ \; \texttt{4} \; \texttt{x} ] \; + \texttt{cosh} [ \; \texttt{4} \; \texttt{x} ] \; + \texttt{cosh} [ \; \texttt{4} \; \texttt{x} ] \; ) \; + \texttt{cosh} [ \; \texttt{4} \; \texttt{x} ] \; + \texttt{cosh} [ \; \texttt{4} \; \texttt{x} ] \; + \texttt{cosh} [ \; \texttt{4} \; \texttt{x} ] \; + \texttt{cosh} [ \; \texttt{4} \; \texttt{x} ] \; ) \; + \texttt{cosh} [ \; \texttt{4} \; \texttt{x} ] \; + \texttt{cosh} [ \; \texttt{4} \; \texttt{x} ] \; + \texttt{cosh} [ \; \texttt{4} \; \texttt{x} ] \; + \texttt{cosh} [ \; \texttt{4} \; \texttt{x} ] \; + \texttt{cosh} [ \; \texttt{4} \; \texttt{x} ] \; + \texttt{cosh} [ \; \texttt{4} \; \texttt{x} ] \; + \texttt{cosh} [ \; \texttt{4} \; \texttt{x} ] \; + \texttt{cosh} [ \; \texttt{4} \; \texttt{x} ] \; + \texttt{cosh} [ \; \texttt{4} \; \texttt{x} ] \; + \texttt{cosh} [ \; \texttt{4} \; \texttt{x} ] \; + \texttt{cosh} [ \; \texttt{4} \; \texttt{x} ] \; + \texttt{cosh} [ \; \texttt{4} \; \texttt{x} ] \; + \texttt{cosh} [ \; \texttt{4} \; \texttt{x} ] \; + \texttt{cosh} [ \; \texttt{4} \; \texttt{x} ] \; + \texttt{cosh} [ \; \texttt{4} \; \texttt{x} ] \; + \texttt{cosh} [ \; \texttt{4} \; \texttt{x} ] \; + \texttt{cosh} [ \; \texttt{4} \; \texttt{x} ] \; + \texttt{cosh} [ \; \texttt{4} \; \texttt{x} ] \; + \texttt{cosh} [ \; \texttt{4} \; \texttt{x} ] \; + \texttt{cosh} [ \; \texttt{4} \; \texttt{x} ] \; + \texttt{cosh} [ \; \texttt{4} \; \texttt{x} ] \; + \texttt{cosh} [ \; \texttt{4} \; \texttt{x} ] \; + \texttt{cosh} [ \; \texttt{4} \; \texttt{x} ] \; + \texttt{cosh} [ \; \texttt{4} \; \texttt{x} ] \; + \texttt{cosh} [ \; \texttt{4} \; \texttt{x} ] \; + \texttt{cosh} [ \; \texttt{4} \; \texttt{x} ] \; + \texttt{cosh} [ \; \texttt{4} \; \texttt{x} ] \; + \texttt{cosh} [ \; \texttt{4} \; \texttt{x} ] \; + \texttt{cosh} [ \; \texttt{4} \; \texttt{x} ] \; + \texttt{cosh} [ \; \texttt{4} \; \texttt{x} ] \; + \texttt{cosh} [ \; \texttt{4} \; \texttt{x} ] \; + \texttt{cosh} [ \; \texttt{4} \; \texttt{x} ] \; + \texttt{cosh} [ \; \texttt{4} \; \texttt{x} ] \; + \texttt{cosh} [ \; \texttt{4} \; \texttt{x} ] \; + \texttt{cosh} [ \; \texttt{4} \; \texttt{x} ] \; + \texttt{cosh} [ \; \texttt{4} \; \texttt{x} ] \; + \texttt{cosh} [ \; \texttt{4} \; \texttt{x} ] \; + \texttt{cosh} [ \; \texttt{4} \; \texttt{x} ] \; + \texttt{cosh} [ \; \texttt{4} \; \texttt{x} ] \; + \texttt{cosh} [ \; \texttt{4} \; \texttt{4} \; \texttt{cosh} [ \; \texttt{4
                                                                                   c(3a-b+3c-4aCosh[2x]+4cCosh[2x]+aCosh[4x]+bCosh[4x]+cCosh[4x]))
       \left(-1 + \frac{1}{2(a+b+c)} \left(2a-2c+\sqrt{2}\sqrt{2b^2-8ac+a(3a-b+3c-4a\cosh[2x]+4c\cosh[2x]+a\cosh[4x]+b\cosh[4x]+b\cosh[4x]+b\cosh[4x]+b\cosh[4x]+b\cosh[4x]+b\cosh[4x]+b\cosh[4x]+b\cosh[4x]+b\cosh[4x]+b\cosh[4x]+b\cosh[4x]+b\cosh[4x]+b\cosh[4x]+b\cosh[4x]+b\cosh[4x]+b\cosh[4x]+b\cosh[4x]+b\cosh[4x]+b\cosh[4x]+b\cosh[4x]+b\cosh[4x]+b\cosh[4x]+b\cosh[4x]+b\cosh[4x]+b\cosh[4x]+b\cosh[4x]+b\cosh[4x]+b\cosh[4x]+b\cosh[4x]+b\cosh[4x]+b\cosh[4x]+b\cosh[4x]+b\cosh[4x]+b\cosh[4x]+b\cosh[4x]+b\cosh[4x]+b\cosh[4x]+b\cosh[4x]+b\cosh[4x]+b\cosh[4x]+b\cosh[4x]+b\cosh[4x]+b\cosh[4x]+b\cosh[4x]+b\cosh[4x]+b\cosh[4x]+b\cosh[4x]+b\cosh[4x]+b\cosh[4x]+b\cosh[4x]+b\cosh[4x]+b\cosh[4x]+b\cosh[4x]+b\cosh[4x]+b\cosh[4x]+bhanden + bhanden + b
                                                                                                                                                                                                                    4\,x\,]\,+c\,Cosh[\,4\,x\,]\,)\,+b\,\,(3\,a-b+3\,c-4\,a\,Cosh[\,2\,x\,]\,+4\,c\,Cosh[\,2\,x\,]\,+a\,Cosh[\,4\,x\,]\,+b\,Cosh[\,4\,x\,]\,+c\,Cosh[\,4\,x\,]\,+c\,Cosh[\,4\,x\,]\,+c\,Cosh[\,4\,x\,]\,+c\,Cosh[\,4\,x\,]\,+c\,Cosh[\,4\,x\,]\,+c\,Cosh[\,4\,x\,]\,+c\,Cosh[\,4\,x\,]\,+c\,Cosh[\,4\,x\,]\,+c\,Cosh[\,4\,x\,]\,+c\,Cosh[\,4\,x\,]\,+c\,Cosh[\,4\,x\,]\,+c\,Cosh[\,4\,x\,]\,+c\,Cosh[\,4\,x\,]\,+c\,Cosh[\,4\,x\,]\,+c\,Cosh[\,4\,x\,]\,+c\,Cosh[\,4\,x\,]\,+c\,Cosh[\,4\,x\,]\,+c\,Cosh[\,4\,x\,]\,+c\,Cosh[\,4\,x\,]\,+c\,Cosh[\,4\,x\,]\,+c\,Cosh[\,4\,x\,]\,+c\,Cosh[\,4\,x\,]\,+c\,Cosh[\,4\,x\,]\,+c\,Cosh[\,4\,x\,]\,+c\,Cosh[\,4\,x\,]\,+c\,Cosh[\,4\,x\,]\,+c\,Cosh[\,4\,x\,]\,+c\,Cosh[\,4\,x\,]\,+c\,Cosh[\,4\,x\,]\,+c\,Cosh[\,4\,x\,]\,+c\,Cosh[\,4\,x\,]\,+c\,Cosh[\,4\,x\,]\,+c\,Cosh[\,4\,x\,]\,+c\,Cosh[\,4\,x\,]\,+c\,Cosh[\,4\,x\,]\,+c\,Cosh[\,4\,x\,]\,+c\,Cosh[\,4\,x\,]\,+c\,Cosh[\,4\,x\,]\,+c\,Cosh[\,4\,x\,]\,+c\,Cosh[\,4\,x\,]\,+c\,Cosh[\,4\,x\,]\,+c\,Cosh[\,4\,x\,]\,+c\,Cosh[\,4\,x\,]\,+c\,Cosh[\,4\,x\,]\,+c\,Cosh[\,4\,x\,]\,+c\,Cosh[\,4\,x\,]\,+c\,Cosh[\,4\,x\,]\,+c\,Cosh[\,4\,x\,]\,+c\,Cosh[\,4\,x\,]\,+c\,Cosh[\,4\,x\,]\,+c\,Cosh[\,4\,x\,]\,+c\,Cosh[\,4\,x\,]\,+c\,Cosh[\,4\,x\,]\,+c\,Cosh[\,4\,x\,]\,+c\,Cosh[\,4\,x\,]\,+c\,Cosh[\,4\,x\,]\,+c\,Cosh[\,4\,x\,]\,+c\,Cosh[\,4\,x\,]\,+c\,Cosh[\,4\,x\,]\,+c\,Cosh[\,4\,x\,]\,+c\,Cosh[\,4\,x\,]\,+c\,Cosh[\,4\,x\,]\,+c\,Cosh[\,4\,x\,]\,+c\,Cosh[\,4\,x\,]\,+c\,Cosh[\,4\,x\,]\,+c\,Cosh[\,4\,x\,]\,+c\,Cosh[\,4\,x\,]\,+c\,Cosh[\,4\,x\,]\,+c\,Cosh[\,4\,x\,]\,+c\,Cosh[\,4\,x\,]\,+c\,Cosh[\,4\,x\,]\,+c\,Cosh[\,4\,x\,]\,+c\,Cosh[\,4\,x\,]\,+c\,Cosh[\,4\,x\,]\,+c\,Cosh[\,4\,x\,]\,+c\,Cosh[\,4\,x\,]\,+c\,Cosh[\,4\,x\,]\,+c\,Cosh[\,4\,x\,]\,+c\,Cosh[\,4\,x\,]\,+c\,Cosh[\,4\,x\,]\,+c\,Cosh[\,4\,x\,]\,+c\,Cosh[\,4\,x\,]\,+c\,Cosh[\,4\,x\,]\,+c\,Cosh[\,4\,x\,]\,+c\,Cosh[\,4\,x\,]\,+c\,Cosh[\,4\,x\,]\,+c\,Cosh[\,4\,x\,]\,+c\,Cosh[\,4\,x\,]\,+c\,Cosh[\,4\,x\,]\,+c\,Cosh[\,4\,x\,]\,+c\,Cosh[\,4\,x\,]\,+c\,Cosh[\,4\,x\,]\,+c\,Cosh[\,4\,x\,]\,+c\,Cosh[\,4\,x\,]\,+c\,Cosh[\,4\,x\,]\,+c\,Cosh[\,4\,x\,]\,+c\,Cosh[\,4\,x\,]\,+c\,Cosh[\,4\,x\,]\,+c\,Cosh[\,4\,x\,]\,+c\,Cosh[\,4\,x\,]\,+c\,Cosh[\,4\,x\,]\,+c\,Cosh[\,4\,x\,]\,+c\,Cosh[\,4\,x\,]\,+c\,Cosh[\,4\,x\,]\,+c\,Cosh[\,4\,x\,]\,+c\,Cosh[\,4\,x\,]\,+c\,Cosh[\,4\,x\,]\,+c\,Cosh[\,4\,x\,]\,+c\,Cosh[\,4\,x\,]\,+c\,Cosh[\,4\,x\,]\,+c\,Cosh[\,4\,x\,]\,+c\,Cosh[\,4\,x\,]\,+c\,Cosh[\,4\,x\,]\,+c\,Cosh[\,4\,x\,]\,+c\,Cosh[\,4\,x\,]\,+c\,Cosh[\,4\,x\,]\,+c\,Cosh[\,4\,x\,]\,+c\,Cosh[\,4\,x\,]\,+c\,Cosh[\,4\,x\,]\,+c\,Cosh[\,4\,x\,]\,+c\,Cosh[\,4\,x\,]\,+c\,Cosh[\,4\,x\,]\,+c\,Cosh[\,4\,x\,]\,+c\,Cosh[\,4\,x\,]\,+c\,Cosh[\,4\,x\,]\,+c\,Cosh[\,4\,x\,]\,+c\,Cosh[\,4\,x\,]\,+c\,Cosh[\,4\,x\,]\,+c\,Cosh[\,4\,x\,]\,+c\,Cosh[
                                                                                                                                                                                                                    4 \times ]) + c (3 a - b + 3 c - 4 a Cosh[2 x] + 4 c Cosh[2 x] + a Cosh[4 x] + b Cosh[4 x] + c Cosh[4 x]))
\sqrt{\left(1+\frac{1}{2\;(a+b+c)}\;\left(2\;a-2\;c+\sqrt{2}\;\sqrt{\left(2\;b^2-8\;a\;c+a\;\left(3\;a-b+3\;c-4\;a\;Cosh[\,2\,x\,]\right.+4\,c\;Cosh[\,2\,x\,]\right.+a\;Cosh[\,4\,x\,]\right.+a\;Cosh[\,4\,x\,]\right)}
                                                                                                                                                                                    b\, Cosh\, [\, 4\, \, x\, ]\, + c\, Cosh\, [\, 4\, \, x\, ]\, )\, + b\, (\, 3\, a\, -\, b\, +\, 3\, \, c\, -\, 4\, a\, Cosh\, [\, 2\, \, x\, ]\, +\, 4\, c\, Cosh\, [\, 2\, \, x\, ]\, +\, a\, Cosh\, [\, 4\, \, x\, ]\, +\, b\, Cosh\, [\, 4\, \, x\, ]\, +\, b\,
```

 $c \cosh[4x] + c (3a - b + 3c - 4a \cosh[2x] + 4c \cosh[2x] + a \cosh[4x] + b \cosh[4x] + c \cosh[4x])$ 

```
\sqrt{(3 a - b + 3 c - 4 (a - c) Cosh[2 x] + (a + b + c) Cosh[4 x]) Csch[x]}
 (3 a - b + 3 c - 4 (a - c) Cosh[2x] + (a + b + c) Cosh[4x])
   2 \text{ a} \sqrt{3 \text{ a} - \text{b} + 3 \text{ c} - 4 \text{ a} \text{ Cosh}[2 \text{ x}] + 4 \text{ c} \text{ Cosh}[2 \text{ x}] + \text{a} \text{ Cosh}[4 \text{ x}] + \text{b} \text{ Cosh}[4 \text{ x}] + \text{c} \text{ Cosh}[4 \text{ x}]} + 
             2 b \sqrt{3} a - b + 3 c - 4 a Cosh[2 x] + 4 c Cosh[2 x] + a Cosh[4 x] + b Cosh[4 x] + c Cosh[4 x] + c Cosh[4 x]
             2 c \sqrt{3 a - b + 3 c - 4 a Cosh[2 x] + 4 c Cosh[2 x] + a Cosh[4 x] + b Cosh[4 x] + c Cosh[4 x]}
\sqrt{\left[\frac{1}{a+b+c}\left(4\,a+2\,b+\sqrt{2}\,\sqrt{\left(2\,b^2-8\,a\,c+a\,\left(3\,a-b+3\,c-4\,a\,Cosh[2\,x]+4\,c\,Cosh[2\,x]+a\,Cosh[4\,x]+b\,Cosh[4\,x]\right.\right)\right]}
                                                                                 \verb| c Cosh[4x]| + b (3a - b + 3c - 4a Cosh[2x] + 4c Cosh[2x] + a Cosh[4x] + b Cosh[4x] + c Cosh[4x]) + c Cosh[4x] + c Co
                                                            c (3 a - b + 3 c - 4 a Cosh[2 x] + 4 c Cosh[2 x] + a Cosh[4 x] + b Cosh[4 x] + c Cosh[4 x]))
                                                         \label{eq:arcTanh} \text{ArcTanh} \Big[ \, \frac{\sqrt{\, \text{3 a-b+3 c-4 a Cosh[2\,x]+4 c Cosh[2\,x]+a Cosh[4\,x]+b Cosh[4\,x]+c Cosh[4\,x]}}{2\,\sqrt{2}\,\,\sqrt{a}} \, \Big]
Csch[x]^2
            \frac{1}{\sqrt{a}} \operatorname{ArcTanh} \left[ \left( (2 a + b) \sqrt{3 a - b + 3 c - 4 a \operatorname{Cosh}[2 x] + 4 c \operatorname{Cosh}[2 x] + a \operatorname{Cosh}[4 x] + b \operatorname{Cosh}[4 x] + c \operatorname{Cosh}[4 x] \right) \right] 
                                   \left(2\,\sqrt{a}\,\,\sqrt{\left(2\,b^2-8\,a\,c+a\,\left(3\,a-b+3\,c-4\,a\,Cosh[\,2\,x\,]+4\,c\,Cosh[\,2\,x\,]+a\,Cosh[\,4\,x\,]+b\,Cosh[\,4\,x\,]+c\,Cosh[\,4\,x\,]\right)}\right.\\
                                                                    b \; (3 \; a \; - \; b \; + \; 3 \; c \; - \; 4 \; a \; Cosh [\; 2 \; x\;] \; + \; 4 \; c \; Cosh [\; 2 \; x\;] \; + \; a \; Cosh [\; 4 \; x\;] \; + \; b \; Cosh [\; 4 \; x\;] \; + \; c \; Cosh [\; 4 \; x\;] \; ) \; + \; c \; Cosh [\; 4 \; x\;] \; ) \; + \; c \; Cosh [\; 4 \; x\;] \; ) \; + \; c \; Cosh [\; 4 \; x\;] \; + \; b \; Cosh [\; 4 \; x\;] \; + \; b \; Cosh [\; 4 \; x\;] \; ) \; + \; c \; Cosh [\; 4 \; x\;] \; ) \; + \; c \; Cosh [\; 4 \; x\;] \; ) \; + \; c \; Cosh [\; 4 \; x\;] \; + \; b \; Cosh [\; 4 \; x\;] \; ) \; + \; c \; Cosh [\; 4 \; x\;] \; ) \; + \; c \; Cosh [\; 4 \; x\;] \; + \; c \; Cosh [\; 4 \; x\;] \; ) \; + \; c \; Cosh [\; 4 \; x\;] \; ) \; + \; c \; Cosh [\; 4 \; x\;] \; ) \; + \; c \; Cosh [\; 4 \; x\;] \; ) \; + \; c \; Cosh [\; 4 \; x\;] \; ) \; + \; c \; Cosh [\; 4 \; x\;] \; ) \; + \; c \; Cosh [\; 4 \; x\;] \; ) \; + \; c \; Cosh [\; 4 \; x\;] \; ) \; + \; c \; Cosh [\; 4 \; x\;] \; ) \; + \; c \; Cosh [\; 4 \; x\;] \; ) \; + \; c \; Cosh [\; 4 \; x\;] \; ) \; + \; c \; Cosh [\; 4 \; x\;] \; ) \; + \; c \; Cosh [\; 4 \; x\;] \; ) \; + \; c \; Cosh [\; 4 \; x\;] \; ) \; + \; c \; Cosh [\; 4 \; x\;] \; ) \; + \; c \; Cosh [\; 4 \; x\;] \; ) \; + \; c \; Cosh [\; 4 \; x\;] \; ) \; + \; c \; Cosh [\; 4 \; x\;] \; ) \; + \; c \; Cosh [\; 4 \; x\;] \; ) \; + \; c \; Cosh [\; 4 \; x\;] \; + \; c \; Cosh [\; 4 \; x\;] \; ) \; + \; c \; Cosh [\; 4 \; x\;] \; ) \; + \; c \; Cosh [\; 4 \; x\;] \; ) \; + \; c \; Cosh [\; 4 \; x\;] \; ) \; + \; c \; Cosh [\; 4 \; x\;] \; ) \; + \; c \; Cosh [\; 4 \; x\;] \; ) \; + \; c \; Cosh [\; 4 \; x\;] \; ) \; + \; c \; Cosh [\; 4 \; x\;] \; ) \; + \; c \; Cosh [\; 4 \; x\;] \; ) \; + \; c \; Cosh [\; 4 \; x\;] \; ) \; + \; c \; Cosh [\; 4 \; x\;] \; ) \; + \; c \; Cosh [\; 4 \; x\;] \; ) \; + \; c \; Cosh [\; 4 \; x\;] \; ) \; + \; c \; Cosh [\; 4 \; x\;] \; ) \; + \; c \; Cosh [\; 4 \; x\;] \; + \; c \; Cosh [\; 4 \; x\;] \; ) \; + \; c \; Cosh [\; 4 \; x\;] \; + \; c \; Cosh [\; 4 \; x\;] \; + \; c \; Cosh [\; 4 \; x\;] \; + \; c \; Cosh [\; 4 \; x\;] \; + \; c \; Cosh [\; 4 \; x\;] \; + \; c \; Cosh [\; 4 \; x\;] \; + \; c \; Cosh [\; 4 \; x\;] \; + \; c \; Cosh [\; 4 \; x\;] \; + \; c \; Cosh [\; 4 \; x\;] \; + \; c \; Cosh [\; 4 \; x\;] \; + \; c \; Cosh [\; 4 \; x\;] \; + \; c \; Cosh [\; 4 \; x\;] \; + \; c \; Cosh [\; 4 \; x\;] \; + \; c \; Cosh [\; 4 \; x\;] \; + \; c \; Cosh [\; 4 \; x\;] \; + \; c \; Cosh [\; 4 \; x\;] \; + \; c \; Cosh [\; 4 \; x\;] \; + \; c \; Cosh [\; 4 \; x\;] \; + \; c \; Cosh [
                                                                   c(3a-b+3c-4aCosh[2x]+4cCosh[2x]+aCosh[4x]+bCosh[4x]+cCosh[4x])))
             \frac{1}{\sqrt{a+b+c}} 2 \log \left[ 2 \left( a \sqrt{3 a-b+3 c-4 a \cosh[2 x]+4 c \cosh[2 x]+a \cosh[4 x]+b \cosh[4 x]+c \cosh[4 x]} + \frac{1}{\sqrt{a+b+c}} \right) \right]
                                                    b\sqrt{3}a - b + 3c - 4a Cosh[2x] + 4c Cosh[2x] + a Cosh[4x] + b Cosh[4x] + c Cosh[4x] + c Cosh[4x]
                                                            \sqrt{3} a - b + 3 c - 4 a Cosh[2 x] + 4 c Cosh[2 x] + a Cosh[4 x] + b Cosh[4 x] + c Cosh[4 x] + \sqrt{a + b + c}
                                                             \sqrt{(2b^2 - 8ac + a(3a - b + 3c - 4aCosh[2x] + 4cCosh[2x] + aCosh[4x] + bCosh[4x] + cCosh[4x])}
                                                                                 \texttt{b} \; (3 \; \texttt{a} \; - \; \texttt{b} \; + \; 3 \; \texttt{c} \; - \; 4 \; \texttt{a} \; \texttt{Cosh}[\; 2 \; \texttt{x}\;] \; + \; 4 \; \texttt{c} \; \texttt{Cosh}[\; 2 \; \texttt{x}\;] \; + \; \texttt{a} \; \texttt{Cosh}[\; 4 \; \texttt{x}\;] \; + \; \texttt{b} \; \texttt{Cosh}[\; 4 \; \texttt{x}\;] \; + \; \texttt{c} \; \texttt{Cosh}[\; 4 \; \texttt{x}\;] \; ) \; + \; \texttt{c} \; \texttt{cosh}[\; 4 \; \texttt{x}\;] \; + \; \texttt{c} \; \texttt{cosh}[\; 4 \; \texttt{x}\;] \; + \; \texttt{c} \; \texttt{cosh}[\; 4 \; \texttt{x}\;] \; ) \; + \; \texttt{cosh}[\; 4 \; \texttt{x}\;] \; + \; \texttt{cos
                                                                                c (3 a - b + 3 c - 4 a Cosh[2 x] + 4 c Cosh[2 x] + a Cosh[4 x] + b Cosh[4 x] + c Cosh[4 x]))
                                                                                                      a Coth[2x] Sinh[x]^{2}
       \frac{\sqrt{3 \, a - b + 3 \, c - 4 \, (a - c) \, Cosh[2 \, x] + (a + b + c) \, Cosh[4 \, x]}}{\sqrt{3 \, a - b + 3 \, c - 4 \, (a - c) \, Cosh[2 \, x] + (a + b + c) \, Cosh[4 \, x]}}
                                                                                                                                                                                                                                                                                                                                     \sqrt{3 \text{ a - b + 3 c - 4 (a - c) } \text{Cosh}[2 \text{ x}] + (\text{a + b + c}) \text{ Cosh}[4 \text{ x}]}
                                                                                                             b Csch[2x] Sinh[x]<sup>2</sup>
                 \sqrt{3 a - b + 3 c - 4 (a - c) \cosh[2 x] + (a + b + c) \cosh[4 x]}
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(-4 \text{ a Sinh}[2x] + 4 \text{ c Sinh}[2x] + 2 \text{ a Sinh}[4x] + 2 \text{ b Sinh}[4x] + 2 \text{ c Sinh}[4x])
                      (a (-8 a Sinh[2x] + 8 c Sinh[2x] + 4 a Sinh[4x] + 4 b Sinh[4x] + 4 c Sinh[4x]) +
                                                b (-8 \text{ a Sinh}[2x] + 8 \text{ c Sinh}[2x] + 4 \text{ a Sinh}[4x] + 4 \text{ b Sinh}[4x] + 4 \text{ c Sinh}[4x]) +
                                                  c (-8 a Sinh[2 x] + 8 c Sinh[2 x] + 4 a Sinh[4 x] + 4 b Sinh[4 x] + 4 c Sinh[4 x]))
\left(2\,b^{2}\,-\,8\,a\,c\,+\,a\,\left(3\,a\,-\,b\,+\,3\,c\,-\,4\,a\,Cosh\left[\,2\,x\,\right]\,+\,4\,c\,Cosh\left[\,2\,x\,\right]\,+\,a\,Cosh\left[\,4\,x\,\right]\,+\,b\,Cosh\left[\,4\,x\,\right]\,+\,c\,Cosh\left[\,4\,x\,\right]\,+\,c\,Cosh\left[\,4\,x\,\right]\,+\,c\,Cosh\left[\,4\,x\,\right]\,+\,c\,Cosh\left[\,4\,x\,\right]\,+\,c\,Cosh\left[\,4\,x\,\right]\,+\,c\,Cosh\left[\,4\,x\,\right]\,+\,c\,Cosh\left[\,4\,x\,\right]\,+\,c\,Cosh\left[\,4\,x\,\right]\,+\,c\,Cosh\left[\,4\,x\,\right]\,+\,c\,Cosh\left[\,4\,x\,\right]\,+\,c\,Cosh\left[\,4\,x\,\right]\,+\,c\,Cosh\left[\,4\,x\,\right]\,+\,c\,Cosh\left[\,4\,x\,\right]\,+\,c\,Cosh\left[\,4\,x\,\right]\,+\,c\,Cosh\left[\,4\,x\,\right]\,+\,c\,Cosh\left[\,4\,x\,\right]\,+\,c\,Cosh\left[\,4\,x\,\right]\,+\,c\,Cosh\left[\,4\,x\,\right]\,+\,c\,Cosh\left[\,4\,x\,\right]\,+\,c\,Cosh\left[\,4\,x\,\right]\,+\,c\,Cosh\left[\,4\,x\,\right]\,+\,c\,Cosh\left[\,4\,x\,\right]\,+\,c\,Cosh\left[\,4\,x\,\right]\,+\,c\,Cosh\left[\,4\,x\,\right]\,+\,c\,Cosh\left[\,4\,x\,\right]\,+\,c\,Cosh\left[\,4\,x\,\right]\,+\,c\,Cosh\left[\,4\,x\,\right]\,+\,c\,Cosh\left[\,4\,x\,\right]\,+\,c\,Cosh\left[\,4\,x\,\right]\,+\,c\,Cosh\left[\,4\,x\,\right]\,+\,c\,Cosh\left[\,4\,x\,\right]\,+\,c\,Cosh\left[\,4\,x\,\right]\,+\,c\,Cosh\left[\,4\,x\,\right]\,+\,c\,Cosh\left[\,4\,x\,\right]\,+\,c\,Cosh\left[\,4\,x\,\right]\,+\,c\,Cosh\left[\,4\,x\,\right]\,+\,c\,Cosh\left[\,4\,x\,\right]\,+\,c\,Cosh\left[\,4\,x\,\right]\,+\,c\,Cosh\left[\,4\,x\,\right]\,+\,c\,Cosh\left[\,4\,x\,\right]\,+\,c\,Cosh\left[\,4\,x\,\right]\,+\,c\,Cosh\left[\,4\,x\,\right]\,+\,c\,Cosh\left[\,4\,x\,\right]\,+\,c\,Cosh\left[\,4\,x\,\right]\,+\,c\,Cosh\left[\,4\,x\,\right]\,+\,c\,Cosh\left[\,4\,x\,\right]\,+\,c\,Cosh\left[\,4\,x\,\right]\,+\,c\,Cosh\left[\,4\,x\,\right]\,+\,c\,Cosh\left[\,4\,x\,\right]\,+\,c\,Cosh\left[\,4\,x\,\right]\,+\,c\,Cosh\left[\,4\,x\,\right]\,+\,c\,Cosh\left[\,4\,x\,\right]\,+\,c\,Cosh\left[\,4\,x\,\right]\,+\,c\,Cosh\left[\,4\,x\,\right]\,+\,c\,Cosh\left[\,4\,x\,\right]\,+\,c\,Cosh\left[\,4\,x\,\right]\,+\,c\,Cosh\left[\,4\,x\,\right]\,+\,c\,Cosh\left[\,4\,x\,\right]\,+\,c\,Cosh\left[\,4\,x\,\right]\,+\,c\,Cosh\left[\,4\,x\,\right]\,+\,c\,Cosh\left[\,4\,x\,\right]\,+\,c\,Cosh\left[\,4\,x\,\right]\,+\,c\,Cosh\left[\,4\,x\,\right]\,+\,c\,Cosh\left[\,4\,x\,\right]\,+\,c\,Cosh\left[\,4\,x\,\right]\,+\,c\,Cosh\left[\,4\,x\,\right]\,+\,c\,Cosh\left[\,4\,x\,\right]\,+\,c\,Cosh\left[\,4\,x\,\right]\,+\,c\,Cosh\left[\,4\,x\,\right]\,+\,c\,Cosh\left[\,4\,x\,\right]\,+\,c\,Cosh\left[\,4\,x\,\right]\,+\,c\,Cosh\left[\,4\,x\,\right]\,+\,c\,Cosh\left[\,4\,x\,\right]\,+\,c\,Cosh\left[\,4\,x\,\right]\,+\,c\,Cosh\left[\,4\,x\,\right]\,+\,c\,Cosh\left[\,4\,x\,\right]\,+\,c\,Cosh\left[\,4\,x\,\right]\,+\,c\,Cosh\left[\,4\,x\,\right]\,+\,c\,Cosh\left[\,4\,x\,\right]\,+\,c\,Cosh\left[\,4\,x\,\right]\,+\,c\,Cosh\left[\,4\,x\,\right]\,+\,c\,Cosh\left[\,4\,x\,\right]\,+\,c\,Cosh\left[\,4\,x\,\right]\,+\,c\,Cosh\left[\,4\,x\,\right]\,+\,c\,Cosh\left[\,4\,x\,\right]\,+\,c\,Cosh\left[\,4\,x\,\right]\,+\,c\,Cosh\left[\,4\,x\,\right]\,+\,c\,Cosh\left[\,4\,x\,\right]\,+\,c\,Cosh\left[\,4\,x\,\right]\,+\,c\,Cosh\left[\,4\,x\,\right]\,+\,c\,Cosh\left[\,4\,x\,\right]\,+\,c\,Cosh\left[\,4\,x\,\right]\,+\,c\,Cosh\left[\,4\,x\,\right]\,+\,c\,Cosh\left[\,4\,x\,\right]\,+\,c\,Cosh\left[\,4\,x\,\right]\,+\,c\,Cosh\left[\,4\,x\,\right]\,+\,c\,Cosh\left[\,4\,x\,\right]\,+\,c\,Cosh\left[\,4\,x\,\right]\,+\,c\,Cosh\left[\,4\,x\,\right]\,+\,c\,Cosh\left[\,4\,x\,\right]\,+\,c\,Cosh\left[\,4\,x\,\right]\,+\,c\,Cosh\left[\,4\,x\,\right]\,+\,c\,Cosh\left[\,4\,x\,\right]\,+\,c\,Cosh\left[\,4\,x\,\right]\,+\,c\,Cosh\left[\,4\,x\,\right]\,+\,c\,Cosh\left[\,4\,x\,\right]\,+\,c\,Cosh\left[\,4\,x\,\right]\,+\,c\,
                                                 \texttt{b} \; (\texttt{3} \; \texttt{a} \; - \; \texttt{b} \; + \; \texttt{3} \; \texttt{c} \; - \; \texttt{4} \; \texttt{a} \; \texttt{Cosh} [\; 2 \; \texttt{x}\;] \; + \; \texttt{4} \; \texttt{c} \; \texttt{Cosh} [\; 2 \; \texttt{x}\;] \; + \; \texttt{a} \; \texttt{Cosh} [\; 4 \; \texttt{x}\;] \; + \; \texttt{b} \; \texttt{Cosh} [\; 4 \; \texttt{x}\;] \; + \; \texttt{c} \; \texttt{Cosh} [\; 4 \; \texttt{x}\;] \; ) \; + \; \texttt{cosh} [\; 4 \; \texttt{x}\;] \; ) \; + \; \texttt{cosh} [\; 4 \; \texttt{x}\;] \; ) \; + \; \texttt{cosh} [\; 4 \; \texttt{x}\;] \; ) \; + \; \texttt{cosh} [\; 4 \; \texttt{x}\;] \; ) \; + \; \texttt{cosh} [\; 4 \; \texttt{x}\;] \; ) \; + \; \texttt{cosh} [\; 4 \; \texttt{x}\;] \; ) \; + \; \texttt{cosh} [\; 4 \; \texttt{x}\;] \; ) \; + \; \texttt{cosh} [\; 4 \; \texttt{x}\;] \; ) \; + \; \texttt{cosh} [\; 4 \; \texttt{x}\;] \; ) \; + \; \texttt{cosh} [\; 4 \; \texttt{x}\;] \; ) \; + \; \texttt{cosh} [\; 4 \; \texttt{x}\;] \; ) \; + \; \texttt{cosh} [\; 4 \; \texttt{x}\;] \; ) \; + \; \texttt{cosh} [\; 4 \; \texttt{x}\;] \; ) \; + \; \texttt{cosh} [\; 4 \; \texttt{x}\;] \; ) \; + \; \texttt{cosh} [\; 4 \; \texttt{x}\;] \; ) \; + \; \texttt{cosh} [\; 4 \; \texttt{x}\;] \; ) \; + \; \texttt{cosh} [\; 4 \; \texttt{x}\;] \; ) \; + \; \texttt{cosh} [\; 4 \; \texttt{x}\;] \; ) \; + \; \texttt{cosh} [\; 4 \; \texttt{x}\;] \; ) \; + \; \texttt{cosh} [\; 4 \; \texttt{x}\;] \; ) \; + \; \texttt{cosh} [\; 4 \; \texttt{x}\;] \; ) \; + \; \texttt{cosh} [\; 4 \; \texttt{x}\;] \; ) \; + \; \texttt{cosh} [\; 4 \; \texttt{x}\;] \; ) \; + \; \texttt{cosh} [\; 4 \; \texttt{x}\;] \; ) \; + \; \texttt{cosh} [\; 4 \; \texttt{x}\;] \; ) \; + \; \texttt{cosh} [\; 4 \; \texttt{x}\;] \; ) \; + \; \texttt{cosh} [\; 4 \; \texttt{x}\;] \; ) \; + \; \texttt{cosh} [\; 4 \; \texttt{x}\;] \; ) \; + \; \texttt{cosh} [\; 4 \; \texttt{x}\;] \; ) \; + \; \texttt{cosh} [\; 4 \; \texttt{x}\;] \; ) \; + \; \texttt{cosh} [\; 4 \; \texttt{x}\;] \; ) \; + \; \texttt{cosh} [\; 4 \; \texttt{x}\;] \; ) \; + \; \texttt{cosh} [\; 4 \; \texttt{x}\;] \; ) \; + \; \texttt{cosh} [\; 4 \; \texttt{x}\;] \; ) \; + \; \texttt{cosh} [\; 4 \; \texttt{x}\;] \; ) \; + \; \texttt{cosh} [\; 4 \; \texttt{x}\;] \; ) \; + \; \texttt{cosh} [\; 4 \; \texttt{x}\;] \; ) \; + \; \texttt{cosh} [\; 4 \; \texttt{x}\;] \; ) \; + \; \texttt{cosh} [\; 4 \; \texttt{x}\;] \; ) \; + \; \texttt{cosh} [\; 4 \; \texttt{x}\;] \; ) \; + \; \texttt{cosh} [\; 4 \; \texttt{x}\;] \; ) \; + \; \texttt{cosh} [\; 4 \; \texttt{x}\;] \; ) \; + \; \texttt{cosh} [\; 4 \; \texttt{x}\;] \; ) \; + \; \texttt{cosh} [\; 4 \; \texttt{x}\;] \; ) \; + \; \texttt{cosh} [\; 4 \; \texttt{x}\;] \; ) \; + \; \texttt{cosh} [\; 4 \; \texttt{x}\;] \; ) \; + \; \texttt{cosh} [\; 4 \; \texttt{x}\;] \; ) \; + \; \texttt{cosh} [\; 4 \; \texttt{x}\;] \; ) \; + \; \texttt{cosh} [\; 4 \; \texttt{x}\;] \; ) \; + \; \texttt{cosh} [\; 4 \; \texttt{x}\;] \; ) \; + \; \texttt{cosh} [\; 4 \; \texttt{x}\;] \; ) \; + \; \texttt{cosh} [\; 4 \; \texttt{x}\;] \; ) \; + \; \texttt{cosh} [\; 4 \; \texttt{x}\;] \; + \; \texttt{cosh} [\; 4 \; \texttt{x}\;] \; ) \; + \; \texttt{cosh} [\; 4 \; \texttt{x}\;] \; ) \; + \; \texttt{cosh} [\; 4 \; \texttt{x}\;] \; ) \; + \; \texttt{cosh}
                                                 \texttt{c} \; \left( \; 3 \; \texttt{a} \; - \; \texttt{b} \; + \; 3 \; \texttt{c} \; - \; 4 \; \texttt{a} \; \texttt{Cosh}[\; 2 \; \texttt{x} \; ] \; + \; 4 \; \texttt{c} \; \texttt{Cosh}[\; 2 \; \texttt{x} \; ] \; + \; \texttt{a} \; \texttt{Cosh}[\; 4 \; \texttt{x} \; ] \; + \; \texttt{b} \; \texttt{Cosh}[\; 4 \; \texttt{x} \; ] \; + \; \texttt{c} \; \texttt{Cosh}[\; 4 \; \texttt{x} \; ] \; \right) \; 
                    \sqrt{\left(\frac{1}{a+b+c}\left(-2b-4c+\sqrt{2}\sqrt{2b^2-8ac+a(3a-b+3c-4a\cosh[2x]+4c\cosh[2x]+a\cosh[4x]+b\cosh[4x]+b\cosh[4x]+b\cosh[4x]+b\cosh[4x]+b\cosh[4x]+b\cosh[4x]+b\cosh[4x]+b\cosh[4x]+b\cosh[4x]+b\cosh[4x]+b\cosh[4x]+b\cosh[4x]+b\cosh[4x]+b\cosh[4x]+b\cosh[4x]+b\cosh[4x]+b\cosh[4x]+b\cosh[4x]+b\cosh[4x]+b\cosh[4x]+b\cosh[4x]+b\cosh[4x]+b\cosh[4x]+b\cosh[4x]+b\cosh[4x]+b\cosh[4x]+b\cosh[4x]+b\cosh[4x]+b\cosh[4x]+b\cosh[4x]+b\cosh[4x]+b\cosh[4x]+b\cosh[4x]+b\cosh[4x]+b\cosh[4x]+b\cosh[4x]+b\cosh[4x]+b\cosh[4x]+b\cosh[4x]+b\cosh[4x]+b\cosh[4x]+b\cosh[4x]+b\cosh[4x]+b\cosh[4x]+b\cosh[4x]+b\cosh[4x]+b\cosh[4x]+b\cosh[4x]+b\cosh[4x]+b\cosh[4x]+b\cosh[4x]+b\cosh[4x]+b\cosh[4x]+b\cosh[4x]+b\cosh[4x]+b\cosh[4x]+b\cosh[4x]+b\cosh[4x]+b\cosh[4x]+b\cosh[4x]+bhanden + bhanden + bh
                                                                                                                                                                                                    \texttt{c} \; \texttt{Cosh} \left[ \; 4 \; \mathbf{x} \; \right] \; ) \; + \; \texttt{b} \; \left( \; 3 \; \texttt{a} \; - \; \texttt{b} \; + \; 3 \; \texttt{c} \; - \; 4 \; \texttt{a} \; \texttt{Cosh} \left[ \; 2 \; \mathbf{x} \; \right] \; + \; 4 \; \texttt{c} \; \texttt{Cosh} \left[ \; 2 \; \mathbf{x} \; \right] \; + \; \texttt{a} \; \texttt{Cosh} \left[ \; 4 \; \mathbf{x} \; \right] \; + \; \texttt{b} \; \texttt{Cosh} \left[ \; 4 \; \mathbf{x} \; \right] \; + \; \texttt{c} \; \texttt{Cosh} \left[ \; 4 \; \mathbf{x} \; \right] \; + \; \texttt{c} \; \texttt{Cosh} \left[ \; 4 \; \mathbf{x} \; \right] \; + \; \texttt{c} \; \texttt{Cosh} \left[ \; 4 \; \mathbf{x} \; \right] \; + \; \texttt{c} \; \texttt{Cosh} \left[ \; 4 \; \mathbf{x} \; \right] \; + \; \texttt{c} \; \texttt{Cosh} \left[ \; 4 \; \mathbf{x} \; \right] \; + \; \texttt{c} \; \texttt{cosh} \left[ \; 4 \; \mathbf{x} \; \right] \; + \; \texttt{c} \; \texttt{cosh} \left[ \; 4 \; \mathbf{x} \; \right] \; + \; \texttt{c} \; \texttt{cosh} \left[ \; 4 \; \mathbf{x} \; \right] \; + \; \texttt{c} \; \texttt{cosh} \left[ \; 4 \; \mathbf{x} \; \right] \; + \; \texttt{c} \; \texttt{cosh} \left[ \; 4 \; \mathbf{x} \; \right] \; + \; \texttt{c} \; \texttt{cosh} \left[ \; 4 \; \mathbf{x} \; \right] \; + \; \texttt{c} \; \texttt{cosh} \left[ \; 4 \; \mathbf{x} \; \right] \; + \; \texttt{c} \; \texttt{cosh} \left[ \; 4 \; \mathbf{x} \; \right] \; + \; \texttt{c} \; \texttt{cosh} \left[ \; 4 \; \mathbf{x} \; \right] \; + \; \texttt{c} \; \texttt{cosh} \left[ \; 4 \; \mathbf{x} \; \right] \; + \; \texttt{c} \; \texttt{cosh} \left[ \; 4 \; \mathbf{x} \; \right] \; + \; \texttt{c} \; \texttt{cosh} \left[ \; 4 \; \mathbf{x} \; \right] \; + \; \texttt{c} \; \texttt{cosh} \left[ \; 4 \; \mathbf{x} \; \right] \; + \; \texttt{c} \; \texttt{cosh} \left[ \; 4 \; \mathbf{x} \; \right] \; + \; \texttt{c} \; \texttt{cosh} \left[ \; 4 \; \mathbf{x} \; \right] \; + \; \texttt{c} \; \texttt{cosh} \left[ \; 4 \; \mathbf{x} \; \right] \; + \; \texttt{c} \; \texttt{cosh} \left[ \; 4 \; \mathbf{x} \; \right] \; + \; \texttt{c} \; \texttt{cosh} \left[ \; 4 \; \mathbf{x} \; \right] \; + \; \texttt{c} \; \texttt{cosh} \left[ \; 4 \; \mathbf{x} \; \right] \; + \; \texttt{c} \; \texttt{cosh} \left[ \; 4 \; \mathbf{x} \; \right] \; + \; \texttt{c} \; \texttt{cosh} \left[ \; 4 \; \mathbf{x} \; \right] \; + \; \texttt{c} \; \texttt{cosh} \left[ \; 4 \; \mathbf{x} \; \right] \; + \; \texttt{c} \; \texttt{cosh} \left[ \; 4 \; \mathbf{x} \; \right] \; + \; \texttt{c} \; \texttt{cosh} \left[ \; 4 \; \mathbf{x} \; \right] \; + \; \texttt{c} \; \texttt{cosh} \left[ \; 4 \; \mathbf{x} \; \right] \; + \; \texttt{c} \; \texttt{cosh} \left[ \; 4 \; \mathbf{x} \; \right] \; + \; \texttt{c} \; \texttt{cosh} \left[ \; 4 \; \mathbf{x} \; \right] \; + \; \texttt{c} \; \texttt{cosh} \left[ \; 4 \; \mathbf{x} \; \right] \; + \; \texttt{c} \; \texttt{cosh} \left[ \; 4 \; \mathbf{x} \; \right] \; + \; \texttt{c} \; \texttt{cosh} \left[ \; 4 \; \mathbf{x} \; \right] \; + \; \texttt{c} \; \texttt{cosh} \left[ \; 4 \; \mathbf{x} \; \right] \; + \; \texttt{c} \; \texttt{cosh} \left[ \; 4 \; \mathbf{x} \; \right] \; + \; \texttt{c} \; \texttt{cosh} \left[ \; 4 \; \mathbf{x} \; \right] \; + \; \texttt{c} \; \texttt{cosh} \left[ \; 4 \; \mathbf{x} \; \right] \; + \; \texttt{c} \; \texttt{cosh} \left[ \; 4 \; \mathbf{x} \; \right] \; + \; \texttt{c} \; \texttt{cosh} \left[ \; 4 \; \mathbf{x} \; \right] \; + \; \texttt{c} \; \texttt{cosh} \left[ \; 4 \; \mathbf{x} \; \right] \; + \; \texttt{c} \; \texttt{cosh} \left[ \; 4 \; \mathbf{x} \; \right] \; + \; \texttt{c} \; \texttt{cosh} \left[ \; 4 \; \mathbf{x} \; \right] \; + \; \texttt{c} \; \texttt{cosh} \left[ \;
                                                                                                                                                        c(3a-b+3c-4aCosh[2x]+4cCosh[2x]+aCosh[4x]+bCosh[4x]+cCosh[4x]))
                         \left(2\,\text{a} - 2\,\text{c} + \sqrt{2}\,\,\sqrt{\left(2\,\text{b}^2 - 8\,\text{a}\,\text{c} + \text{a}\,\left(3\,\text{a} - \text{b} + 3\,\text{c} - 4\,\text{a}\,\text{Cosh}[2\,\text{x}] + 4\,\text{c}\,\text{Cosh}[2\,\text{x}] + \text{a}\,\text{Cosh}[4\,\text{x}] + \text{b}\,\text{Cosh}[4\,\text{x}] + \text{c}\,\text{Cosh}[4\,\text{x}]\right) + 2\,\text{c}\,\text{cosh}[4\,\text{x}] + 2\,\text{c}\,\text{co
                                                                                                                            b \ (3 \ a - b + 3 \ c - 4 \ a \ Cosh[2 \ x] \ + 4 \ c \ Cosh[2 \ x] \ + a \ Cosh[4 \ x] \ + b \ Cosh[4 \ x] \ + c \ Cosh[4 \ x]) \ + c \ Cosh[4 \ x] \ + c \ Cosh[
                                                                                                                                           (3 a - b + 3 c - 4 a Cosh[2 x] + 4 c Cosh[2 x] + a Cosh[4 x] + b Cosh[4 x] + c Cosh[4 x]))
                    b \, Cosh[4 \, x] + c \, Cosh[4 \, x]) + b \, (3 \, a - b + 3 \, c - 4 \, a \, Cosh[2 \, x] + 4 \, c \, Cosh[2 \, x] + a \, Cosh[4 \, x] + b \, Cosh[4 \,
                                                                                                                                                                                                                   c \cosh[4x] + c (3a - b + 3c - 4a \cosh[2x] + 4c \cosh[2x] + a \cosh[4x] + b \cosh[4x] + c \cosh[4x])
                  \sqrt{\left[1 + \frac{1}{2(a+b+c)} \left(2a-2c+\sqrt{2}\sqrt{(2b^2-8ac+a(3a-b+3c-4aCosh[2x]+4cCosh[2x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh[4x]+aCosh
                                                                                                                                                                                                                     b \cosh[4x] + c \cosh[4x] + b (3a - b + 3c - 4a \cosh[2x] + 4c \cosh[2x] + a \cosh[4x] + b \cosh[4
                                                                                                                                                                                                                   c \cosh[4x] + c (3a - b + 3c - 4a \cosh[2x] + 4c \cosh[2x] + a \cosh[4x] + b \cosh[4x] + c \cosh[4x])
                      \sqrt{(3 a - b + 3 c - 4 (a - c) Cosh[2 x] + (a + b + c) Cosh[4 x]) Csch[x]^4} - a Cosh[2 x]
                           (3 a - b + 3 c - 4 (a - c) Cosh[2x] + (a + b + c) Cosh[4x])
                             2 \text{ a} \sqrt{3 \text{ a} - \text{b} + 3 \text{ c} - 4 \text{ a} \text{ Cosh}[2 \text{ x}] + 4 \text{ c} \text{ Cosh}[2 \text{ x}] + \text{a} \text{ Cosh}[4 \text{ x}] + \text{b} \text{ Cosh}[4 \text{ x}] + \text{c} \text{ Cosh}[4 \text{ x}]} + 
                                                  2 b \sqrt{3} a - b + 3 c - 4 a Cosh[2 x] + 4 c Cosh[2 x] + a Cosh[4 x] + b Cosh[4 x] + c Cosh[4 x] + c Cosh[4 x]
                                                  2 c \sqrt{3 a - b + 3 c - 4 a Cosh[2 x] + 4 c Cosh[2 x] + a Cosh[4 x] + b Cosh[4 x] + c Cosh[4 x]}
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\sqrt{\left(\frac{1}{a+b+c}\left(4\,a+2\,b+\sqrt{2}\,\sqrt{\left(2\,b^2-8\,a\,c+a\,\left(3\,a-b+3\,c-4\,a\,\text{Cosh}[2\,x]+4\,c\,\text{Cosh}[2\,x]+a\,\text{Cosh}[4\,x]+b\,\text{Cosh}[4\,x]+b\,\text{Cosh}[4\,x]+b\,\text{Cosh}[4\,x]+b\,\text{Cosh}[4\,x]+b\,\text{Cosh}[4\,x]+b\,\text{Cosh}[4\,x]+b\,\text{Cosh}[4\,x]+b\,\text{Cosh}[4\,x]+b\,\text{Cosh}[4\,x]+b\,\text{Cosh}[4\,x]+b\,\text{Cosh}[4\,x]+b\,\text{Cosh}[4\,x]+b\,\text{Cosh}[4\,x]+b\,\text{Cosh}[4\,x]+b\,\text{Cosh}[4\,x]+b\,\text{Cosh}[4\,x]+b\,\text{Cosh}[4\,x]+b\,\text{Cosh}[4\,x]+b\,\text{Cosh}[4\,x]+b\,\text{Cosh}[4\,x]+b\,\text{Cosh}[4\,x]+b\,\text{Cosh}[4\,x]+b\,\text{Cosh}[4\,x]+b\,\text{Cosh}[4\,x]+b\,\text{Cosh}[4\,x]+b\,\text{Cosh}[4\,x]+b\,\text{Cosh}[4\,x]+b\,\text{Cosh}[4\,x]+b\,\text{Cosh}[4\,x]+b\,\text{Cosh}[4\,x]+b\,\text{Cosh}[4\,x]+b\,\text{Cosh}[4\,x]+b\,\text{Cosh}[4\,x]+b\,\text{Cosh}[4\,x]+b\,\text{Cosh}[4\,x]+b\,\text{Cosh}[4\,x]+b\,\text{Cosh}[4\,x]+b\,\text{Cosh}[4\,x]+b\,\text{Cosh}[4\,x]+b\,\text{Cosh}[4\,x]+b\,\text{Cosh}[4\,x]+b\,\text{Cosh}[4\,x]+b\,\text{Cosh}[4\,x]+b\,\text{Cosh}[4\,x]+b\,\text{Cosh}[4\,x]+b\,\text{Cosh}[4\,x]+b\,\text{Cosh}[4\,x]+b\,\text{Cosh}[4\,x]+b\,\text{Cosh}[4\,x]+b\,\text{Cosh}[4\,x]+b\,\text{Cosh}[4\,x]+b\,\text{Cosh}[4\,x]+b\,\text{Cosh}[4\,x]+b\,\text{Cosh}[4\,x]+b\,\text{Cosh}[4\,x]+b\,\text{Cosh}[4\,x]+b\,\text{Cosh}[4\,x]+b\,\text{Cosh}[4\,x]+b\,\text{Cosh}[4\,x]+b\,\text{Cosh}[4\,x]+b\,\text{Cosh}[4\,x]+b\,\text{Cosh}[4\,x]+b\,\text{Cosh}[4\,x]+b\,\text{Cosh}[4\,x]+b\,\text{Cosh}[4\,x]+b\,\text{Cosh}[4\,x]+b\,\text{Cosh}[4\,x]+b\,\text{Cosh}[4\,x]+b\,\text{Cosh}[4\,x]+b\,\text{Cosh}[4\,x]+b\,\text{Cosh}[4\,x]+b\,\text{Cosh}[4\,x]+b\,\text{Cosh}[4\,x]+b\,\text{Cosh}[4\,x]+b\,\text{Cosh}[4\,x]+b\,\text{Cosh}[4\,x]+b\,\text{Cosh}[4\,x]+b\,\text{Cosh}[4\,x]+b\,\text{Cosh}[4\,x]+b\,\text{Cosh}[4\,x]+b\,\text{Cosh}[4\,x]+b\,\text{Cosh}[4\,x]+b\,\text{Cosh}[4\,x]+b\,\text{Cosh}[4\,x]+b\,\text{Cosh}[4\,x]+b\,\text{Cosh}[4\,x]+b\,\text{Cosh}[4\,x]+b\,\text{Cosh}[4\,x]+b\,\text{Cosh}[4\,x]+b\,\text{Cosh}[4\,x]+b\,\text{Cosh}[4\,x]+b\,\text{Cosh}[4\,x]+b\,\text{Cosh}[4\,x]+b\,\text{Cosh}[4\,x]+b\,\text{Cosh}[4\,x]+b\,\text{Cosh}[4\,x]+b\,\text{Cosh}[4\,x]+b\,\text{Cosh}[4\,x]+b\,\text{Cosh}[4\,x]+b\,\text{Cosh}[4\,x]+b\,\text{Cosh}[4\,x]+b\,\text{Cosh}[4\,x]+b\,\text{Cosh}[4\,x]+b\,\text{Cosh}[4\,x]+b\,\text{Cosh}[4\,x]+b\,\text{Cosh}[4\,x]+b\,\text{Cosh}[4\,x]+b\,\text{Cosh}[4\,x]+b\,\text{Cosh}[4\,x]+b\,\text{Cosh}[4\,x]+b\,\text{Cosh}[4\,x]+b\,\text{Cosh}[4\,x]+b\,\text{Cosh}[4\,x]+b\,\text{Cosh}[4\,x]+b\,\text{Cosh}[4\,x]+b\,\text{Cosh}[4\,x]+b\,\text{Cosh}[4\,x]+b\,\text{Cosh}[4\,x]+b\,\text{Cosh}[4\,x]+b\,\text{Cosh}[4\,x]+b\,\text{Cosh}[4\,x]+b\,\text{Cosh}[4\,x]+b\,\text{Cosh}[4\,x]+b\,\text{Cosh}[4\,x]+b\,\text{Cosh}[4\,x]+b\,\text{Cosh}[4\,x]+b\,\text{Cosh}[4\,x]+b\,\text{Cosh}[4\,x]+b\,\text{Cosh}[4\,x]+
                                                                                                                                                                                                            \texttt{c} \; \texttt{Cosh[4\,x])} \; + \; \texttt{b} \; (3\; \texttt{a} \; - \; \texttt{b} \; + \; 3\; \texttt{c} \; - \; 4\; \texttt{a} \; \texttt{Cosh[2\,x]} \; + \; 4\; \texttt{c} \; \texttt{Cosh[2\,x]} \; + \; \texttt{a} \; \texttt{Cosh[4\,x]} \; + \; \texttt{b} \; \texttt{Cosh[4\,x]} \; + \; \texttt{c} \; \texttt{Cosh[4\,x]}) \; + \; \texttt{c} \; \texttt{cosh[4\,x]} \; + \; \texttt{cosh[4\,x]
                                                                                                                                                        c(3a-b+3c-4aCosh[2x]+4cCosh[2x]+aCosh[4x]+bCosh[4x]+cCosh[4x]))
                                                                                                                                                                                                                                                                                                                                                                                                                                        \texttt{Cosh[2x]+4cCosh[2x]+aCosh[4x]+bCosh[4x]+cCosh[4x]}
                               \frac{1}{\sqrt{1 - a^2}} \operatorname{ArcTanh} \left[ \left( (2 \, a + b) \, \sqrt{3 \, a - b + 3 \, c - 4 \, a \, Cosh[2 \, x] + 4 \, c \, Cosh[2 \, x] + a \, Cosh[4 \, x] + b \, Cosh[4 \, x] + c \, 
                                                                                         2\sqrt{a}\sqrt{(2b^2-8ac+a(3a-b+3c-4aCosh[2x]+4cCosh[2x]+aCosh[4x]+bCosh[4x]+cCosh[4x])}
                                                                                                                                                                            b (3 a - b + 3 c - 4 a Cosh[2 x] + 4 c Cosh[2 x] + a Cosh[4 x] + b Cosh[4 x] + c Cosh[4 x]) +
                                                                                                                                                                            c(3a-b+3c-4aCosh[2x]+4cCosh[2x]+aCosh[4x]+bCosh[4x]+cCosh[4x])))
                                    \frac{1}{\sqrt{a+b+c}} 2 \log[2(a\sqrt{3a-b+3c-4a} + a \cosh[2x] + 4c \cosh[2x] + a \cosh[4x] + b \cosh[4x] + b \cosh[4x] + c \cosh[4
                                                                                                                                     b\,\sqrt{\,3\,a-b+3\,c-4\,a\,Cosh[\,2\,x\,]\,+4\,c\,Cosh[\,2\,x\,]\,+a\,Cosh[\,4\,x\,]\,+b\,Cosh[\,4\,x\,]\,+c\,Cosh[\,4\,x\,]\,+c\,Cosh[\,4\,x\,]\,+c\,Cosh[\,4\,x\,]\,+c\,Cosh[\,4\,x\,]\,+c\,Cosh[\,4\,x\,]\,+c\,Cosh[\,4\,x\,]\,+c\,Cosh[\,4\,x\,]\,+c\,Cosh[\,4\,x\,]\,+c\,Cosh[\,4\,x\,]\,+c\,Cosh[\,4\,x\,]\,+c\,Cosh[\,4\,x\,]\,+c\,Cosh[\,4\,x\,]\,+c\,Cosh[\,4\,x\,]\,+c\,Cosh[\,4\,x\,]\,+c\,Cosh[\,4\,x\,]\,+c\,Cosh[\,4\,x\,]\,+c\,Cosh[\,4\,x\,]\,+c\,Cosh[\,4\,x\,]\,+c\,Cosh[\,4\,x\,]\,+c\,Cosh[\,4\,x\,]\,+c\,Cosh[\,4\,x\,]\,+c\,Cosh[\,4\,x\,]\,+c\,Cosh[\,4\,x\,]\,+c\,Cosh[\,4\,x\,]\,+c\,Cosh[\,4\,x\,]\,+c\,Cosh[\,4\,x\,]\,+c\,Cosh[\,4\,x\,]\,+c\,Cosh[\,4\,x\,]\,+c\,Cosh[\,4\,x\,]\,+c\,Cosh[\,4\,x\,]\,+c\,Cosh[\,4\,x\,]\,+c\,Cosh[\,4\,x\,]\,+c\,Cosh[\,4\,x\,]\,+c\,Cosh[\,4\,x\,]\,+c\,Cosh[\,4\,x\,]\,+c\,Cosh[\,4\,x\,]\,+c\,Cosh[\,4\,x\,]\,+c\,Cosh[\,4\,x\,]\,+c\,Cosh[\,4\,x\,]\,+c\,Cosh[\,4\,x\,]\,+c\,Cosh[\,4\,x\,]\,+c\,Cosh[\,4\,x\,]\,+c\,Cosh[\,4\,x\,]\,+c\,Cosh[\,4\,x\,]\,+c\,Cosh[\,4\,x\,]\,+c\,Cosh[\,4\,x\,]\,+c\,Cosh[\,4\,x\,]\,+c\,Cosh[\,4\,x\,]\,+c\,Cosh[\,4\,x\,]\,+c\,Cosh[\,4\,x\,]\,+c\,Cosh[\,4\,x\,]\,+c\,Cosh[\,4\,x\,]\,+c\,Cosh[\,4\,x\,]\,+c\,Cosh[\,4\,x\,]\,+c\,Cosh[\,4\,x\,]\,+c\,Cosh[\,4\,x\,]\,+c\,Cosh[\,4\,x\,]\,+c\,Cosh[\,4\,x\,]\,+c\,Cosh[\,4\,x\,]\,+c\,Cosh[\,4\,x\,]\,+c\,Cosh[\,4\,x\,]\,+c\,Cosh[\,4\,x\,]\,+c\,Cosh[\,4\,x\,]\,+c\,Cosh[\,4\,x\,]\,+c\,Cosh[\,4\,x\,]\,+c\,Cosh[\,4\,x\,]\,+c\,Cosh[\,4\,x\,]\,+c\,Cosh[\,4\,x\,]\,+c\,Cosh[\,4\,x\,]\,+c\,Cosh[\,4\,x\,]\,+c\,Cosh[\,4\,x\,]\,+c\,Cosh[\,4\,x\,]\,+c\,Cosh[\,4\,x\,]\,+c\,Cosh[\,4\,x\,]\,+c\,Cosh[\,4\,x\,]\,+c\,Cosh[\,4\,x\,]\,+c\,Cosh[\,4\,x\,]\,+c\,Cosh[\,4\,x\,]\,+c\,Cosh[\,4\,x\,]\,+c\,Cosh[\,4\,x\,]\,+c\,Cosh[\,4\,x\,]\,+c\,Cosh[\,4\,x\,]\,+c\,Cosh[\,4\,x\,]\,+c\,Cosh[\,4\,x\,]\,+c\,Cosh[\,4\,x\,]\,+c\,Cosh[\,4\,x\,]\,+c\,Cosh[\,4\,x\,]\,+c\,Cosh[\,4\,x\,]\,+c\,Cosh[\,4\,x\,]\,+c\,Cosh[\,4\,x\,]\,+c\,Cosh[\,4\,x\,]\,+c\,Cosh[\,4\,x\,]\,+c\,Cosh[\,4\,x\,]\,+c\,Cosh[\,4\,x\,]\,+c\,Cosh[\,4\,x\,]\,+c\,Cosh[\,4\,x\,]\,+c\,Cosh[\,4\,x\,]\,+c\,Cosh[\,4\,x\,]\,+c\,Cosh[\,4\,x\,]\,+c\,Cosh[\,4\,x\,]\,+c\,Cosh[\,4\,x\,]\,+c\,Cosh[\,4\,x\,]\,+c\,Cosh[\,4\,x\,]\,+c\,Cosh[\,4\,x\,]\,+c\,Cosh[\,4\,x\,]\,+c\,Cosh[\,4\,x\,]\,+c\,Cosh[\,4\,x\,]\,+c\,Cosh[\,4\,x\,]\,+c\,Cosh[\,4\,x\,]\,+c\,Cosh[\,4\,x\,]\,+c\,Cosh[\,4\,x\,]\,+c\,Cosh[\,4\,x\,]\,+c\,Cosh[\,4\,x\,]\,+c\,Cosh[\,4\,x\,]\,+c\,Cosh[\,4\,x\,]\,+c\,Cosh[\,4\,x\,]\,+c\,Cosh[\,4\,x\,]\,+c\,Cosh[\,4\,x\,]\,+c\,Cosh[\,4\,x\,]\,+c\,Cosh[\,4\,x\,]\,+c\,Cosh[\,4\,x\,]\,+c\,Cosh[\,4\,x\,]\,+c\,Cosh[\,4\,x\,]\,+c\,Cosh[\,4\,x\,]\,+c\,Cosh[\,4\,x\,]\,+c\,Cosh[\,4\,x\,]\,+c\,Cosh[\,4\,x\,]\,+c\,Cosh[\,4\,x\,]\,+c\,Cosh[\,4\,x\,]\,+c\,Cosh[\,4\,x\,]\,+c\,Cosh[\,4\,x\,]\,+
                                                                                                                                                           \sqrt{3} a - b + 3 c - 4 a Cosh[2 x] + 4 c Cosh[2 x] + a Cosh[4 x] + b Cosh[4 x] + c Cosh[4 x] + \sqrt{a + b + c}
                                                                                                                                                           \sqrt{(2b^2 - 8ac + a(3a - b + 3c - 4aCosh[2x] + 4cCosh[2x] + aCosh[4x] + bCosh[4x] + cCosh[4x])} + cCosh[4x] + cCos
                                                                                                                                                                                                            \texttt{b} \; (\texttt{3} \; \texttt{a} \; - \; \texttt{b} \; + \; \texttt{3} \; \texttt{c} \; - \; \texttt{4} \; \texttt{a} \; \texttt{Cosh} [\; 2 \; \texttt{x}\;] \; + \; \texttt{4} \; \texttt{c} \; \texttt{Cosh} [\; 2 \; \texttt{x}\;] \; + \; \texttt{a} \; \texttt{Cosh} [\; 4 \; \texttt{x}\;] \; + \; \texttt{b} \; \texttt{Cosh} [\; 4 \; \texttt{x}\;] \; + \; \texttt{c} \; \texttt{Cosh} [\; 4 \; \texttt{x}\;] \; ) \; + \; \texttt{cosh} [\; 4 \; \texttt{x}\;] \; ) \; + \; \texttt{cosh} [\; 4 \; \texttt{x}\;] \; ) \; + \; \texttt{cosh} [\; 4 \; \texttt{x}\;] \;
                                                                                                                                                                                                           c(3a-b+3c-4a\cosh[2x]+4c\cosh[2x]+a\cosh[4x]+b\cosh[4x]+c\cosh[4x]))
                                                                                                                                                                                                                                                                     a Coth[2x] Sinh[x]^2
                     \sqrt{3 a - b + 3 c - 4 (a - c) \cosh[2x] + (a + b + c) \cosh[4x]}
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        \sqrt{3 a - b + 3 c - 4 (a - c) \cosh[2 x] + (a + b + c) \cosh[4 x]}
                                                                                                                                                                                                                                                                                      b \operatorname{Csch}[2x] \operatorname{Sinh}[x]^2
                                         \sqrt{3 a - b + 3 c - 4 (a - c) \cosh[2 x] + (a + b + c) \cosh[4 x]}
       (-4 \text{ a Sinh}[2 \text{ x}] + 4 \text{ c Sinh}[2 \text{ x}] + 2 \text{ a Sinh}[4 \text{ x}] + 2 \text{ b Sinh}[4 \text{ x}] + 2 \text{ c Sinh}[4 \text{ x}])
       (a (-8 a Sinh[2x] + 8 c Sinh[2x] + 4 a Sinh[4x] + 4 b Sinh[4x] + 4 c Sinh[4x]) +
                                \texttt{b} \; (-8 \; \texttt{a} \; \texttt{Sinh} \, [\, 2 \; \texttt{x}\,] \; + \; 4 \; \texttt{c} \; \texttt{Sinh} \, [\, 2 \; \texttt{x}\,] \; + \; 4 \; \texttt{a} \; \texttt{Sinh} \, [\, 4 \; \texttt{x}\,] \; + \; 4 \; \texttt{c} \; \texttt{Sinh} \, [\, 4 \; \texttt{x}\,] \; ) \; + \; 4 \; \texttt{c} \; \texttt{Sinh} \, [\, 4 \; \texttt{x}\,] \; ) \; + \; 4 \; \texttt{c} \; \texttt{Sinh} \, [\, 4 \; \texttt{x}\,] \; ) \; + \; 4 \; \texttt{c} \; \texttt{Sinh} \, [\, 4 \; \texttt{x}\,] \; ) \; + \; 4 \; \texttt{c} \; \texttt{Sinh} \, [\, 4 \; \texttt{x}\,] \; ) \; + \; 4 \; \texttt{c} \; \texttt{Sinh} \, [\, 4 \; \texttt{x}\,] \; ) \; + \; 4 \; \texttt{c} \; \texttt{Sinh} \, [\, 4 \; \texttt{x}\,] \; ) \; + \; 4 \; \texttt{c} \; \texttt{Sinh} \, [\, 4 \; \texttt{x}\,] \; ) \; + \; 4 \; \texttt{c} \; \texttt{Sinh} \, [\, 4 \; \texttt{x}\,] \; ) \; + \; 4 \; \texttt{c} \; \texttt{Sinh} \, [\, 4 \; \texttt{x}\,] \; ) \; + \; 4 \; \texttt{c} \; \texttt{Sinh} \, [\, 4 \; \texttt{x}\,] \; ) \; + \; 4 \; \texttt{c} \; \texttt{Sinh} \, [\, 4 \; \texttt{x}\,] \; ) \; + \; 4 \; \texttt{c} \; \texttt{Sinh} \, [\, 4 \; \texttt{x}\,] \; ) \; + \; 4 \; \texttt{c} \; \texttt{Sinh} \, [\, 4 \; \texttt{x}\,] \; ) \; + \; 4 \; \texttt{c} \; \texttt{Sinh} \, [\, 4 \; \texttt{x}\,] \; ) \; + \; 4 \; \texttt{c} \; \texttt{Sinh} \, [\, 4 \; \texttt{x}\,] \; ) \; + \; 4 \; \texttt{c} \; \texttt{Sinh} \, [\, 4 \; \texttt{x}\,] \; ) \; + \; 4 \; \texttt{c} \; \texttt{Sinh} \, [\, 4 \; \texttt{x}\,] \; ) \; + \; 4 \; \texttt{c} \; \texttt{Sinh} \, [\, 4 \; \texttt{x}\,] \; ) \; + \; 4 \; \texttt{c} \; \texttt{Sinh} \, [\, 4 \; \texttt{x}\,] \; ) \; + \; 4 \; \texttt{c} \; \texttt{Sinh} \, [\, 4 \; \texttt{x}\,] \; ) \; + \; 4 \; \texttt{c} \; \texttt{Sinh} \, [\, 4 \; \texttt{x}\,] \; ) \; + \; 4 \; \texttt{c} \; \texttt{Sinh} \, [\, 4 \; \texttt{x}\,] \; ) \; + \; 4 \; \texttt{c} \; \texttt{Sinh} \, [\, 4 \; \texttt{x}\,] \; ) \; + \; 4 \; \texttt{c} \; \texttt{Sinh} \, [\, 4 \; \texttt{x}\,] \; ) \; + \; 4 \; \texttt{c} \; \texttt{Sinh} \, [\, 4 \; \texttt{x}\,] \; ) \; + \; 4 \; \texttt{c} \; \texttt{Sinh} \, [\, 4 \; \texttt{x}\,] \; ) \; + \; 4 \; \texttt{c} \; \texttt{Sinh} \, [\, 4 \; \texttt{x}\,] \; ) \; + \; 4 \; \texttt{c} \; \texttt{Sinh} \, [\, 4 \; \texttt{x}\,] \; ) \; + \; 4 \; \texttt{c} \; \texttt{Sinh} \, [\, 4 \; \texttt{x}\,] \; ) \; + \; 4 \; \texttt{c} \; \texttt{Sinh} \, [\, 4 \; \texttt{x}\,] \; ) \; + \; 4 \; \texttt{c} \; \texttt{Sinh} \, [\, 4 \; \texttt{x}\,] \; ) \; + \; 4 \; \texttt{c} \; \texttt{Sinh} \, [\, 4 \; \texttt{x}\,] \; ) \; + \; 4 \; \texttt{c} \; \texttt{Sinh} \, [\, 4 \; \texttt{x}\,] \; ) \; + \; 4 \; \texttt{c} \; \texttt{Sinh} \, [\, 4 \; \texttt{x}\,] \; ) \; + \; 4 \; \texttt{c} \; \texttt{Sinh} \, [\, 4 \; \texttt{x}\,] \; ) \; + \; 4 \; \texttt{c} \; \texttt{Sinh} \, [\, 4 \; \texttt{x}\,] \; ) \; + \; 4 \; \texttt{c} \; \texttt{Sinh} \, [\, 4 \; \texttt{x}\,] \; ) \; + \; 4 \; \texttt{c} \; \texttt{Sinh} \, [\, 4 \; \texttt{x}\,] \; ) \; + \; 4 \; \texttt{c} \; \texttt{Sinh} \, [\, 4 \; \texttt{x}\,] \; ) \; + \; 4 \; \texttt{c} \; \texttt{Sinh} \, [\, 4 \; \texttt{x}\,] \; ) \; + \; 4 \; \texttt{c} \; \texttt{Sinh} \, [\, 4 \; \texttt{x}\,] \; ) \; + \; 4 \; \texttt{c} \; \texttt{Sinh} \, 
                               c (-8 a Sinh[2x] + 8 c Sinh[2x] + 4 a Sinh[4x] + 4 b Sinh[4x] + 4 c Sinh[4x]))
       (-a + b + a \, Cosh[2\,x]) \, \sqrt{3} \, a - b + 3 \, c - 4 \, a \, Cosh[2\,x] \, + 4 \, c \, Cosh[2\,x] \, + a \, Cosh[4\,x] \, + b \, Cosh[4\,x] \, + c \, Co
    \left(2\;b^2\;-\;8\;a\;c\;+\;a\;\left(3\;a\;-\;b\;+\;3\;c\;-\;4\;a\;Cosh[\,2\;x]\;+\;4\;c\;Cosh[\,2\;x]\;+\;a\;Cosh[\,4\;x]\;+\;b\;Cosh[\,4\;x]\;+\;c\;Cosh[\,4\;x]\;\right)\;+\;c\;Cosh[\,4\;x]\;\right)\;+\;b\;Cosh[\,4\;x]\;+\;b\;Cosh[\,4\;x]\;+\;b\;Cosh[\,4\;x]\;+\;b\;Cosh[\,4\;x]\;+\;b\;Cosh[\,4\;x]\;+\;b\;Cosh[\,4\;x]\;+\;b\;Cosh[\,4\;x]\;+\;b\;Cosh[\,4\;x]\;+\;b\;Cosh[\,4\;x]\;+\;b\;Cosh[\,4\;x]\;+\;b\;Cosh[\,4\;x]\;+\;b\;Cosh[\,4\;x]\;+\;b\;Cosh[\,4\;x]\;+\;b\;Cosh[\,4\;x]\;+\;b\;Cosh[\,4\;x]\;+\;b\;Cosh[\,4\;x]\;+\;b\;Cosh[\,4\;x]\;+\;b\;Cosh[\,4\;x]\;+\;b\;Cosh[\,4\;x]\;+\;b\;Cosh[\,4\;x]\;+\;b\;Cosh[\,4\;x]\;+\;b\;Cosh[\,4\;x]\;+\;b\;Cosh[\,4\;x]\;+\;b\;Cosh[\,4\;x]\;+\;b\;Cosh[\,4\;x]\;+\;b\;Cosh[\,4\;x]\;+\;b\;Cosh[\,4\;x]\;+\;b\;Cosh[\,4\;x]\;+\;b\;Cosh[\,4\;x]\;+\;b\;Cosh[\,4\;x]\;+\;b\;Cosh[\,4\;x]\;+\;b\;Cosh[\,4\;x]\;+\;b\;Cosh[\,4\;x]\;+\;b\;Cosh[\,4\;x]\;+\;b\;Cosh[\,4\;x]\;+\;b\;Cosh[\,4\;x]\;+\;b\;Cosh[\,4\;x]\;+\;b\;Cosh[\,4\;x]\;+\;b\;Cosh[\,4\;x]\;+\;b\;Cosh[\,4\;x]\;+\;b\;Cosh[\,4\;x]\;+\;b\;Cosh[\,4\;x]\;+\;b\;Cosh[\,4\;x]\;+\;b\;Cosh[\,4\;x]\;+\;b\;Cosh[\,4\;x]\;+\;b\;Cosh[\,4\;x]\;+\;b\;Cosh[\,4\;x]\;+\;b\;Cosh[\,4\;x]\;+\;b\;Cosh[\,4\;x]\;+\;b\;Cosh[\,4\;x]\;+\;b\;Cosh[\,4\;x]\;+\;b\;Cosh[\,4\;x]\;+\;b\;Cosh[\,4\;x]\;+\;b\;Cosh[\,4\;x]\;+\;b\;Cosh[\,4\;x]\;+\;b\;Cosh[\,4\;x]\;+\;b\;Cosh[\,4\;x]\;+\;b\;Cosh[\,4\;x]\;+\;b\;Cosh[\,4\;x]\;+\;b\;Cosh[\,4\;x]\;+\;b\;Cosh[\,4\;x]\;+\;b\;Cosh[\,4\;x]\;+\;b\;Cosh[\,4\;x]\;+\;b\;Cosh[\,4\;x]\;+\;b\;Cosh[\,4\;x]\;+\;b\;Cosh[\,4\;x]\;+\;b\;Cosh[\,4\;x]\;+\;b\;Cosh[\,4\;x]\;+\;b\;Cosh[\,4\;x]\;+\;b\;Cosh[\,4\;x]\;+\;b\;Cosh[\,4\;x]\;+\;b\;Cosh[\,4\;x]\;+\;b\;Cosh[\,4\;x]\;+\;b\;Cosh[\,4\;x]\;+\;b\;Cosh[\,4\;x]\;+\;b\;Cosh[\,4\;x]\;+\;b\;Cosh[\,4\;x]\;+\;b\;Cosh[\,4\;x]\;+\;b\;Cosh[\,4\;x]\;+\;b\;Cosh[\,4\;x]\;+\;b\;Cosh[\,4\;x]\;+\;b\;Cosh[\,4\;x]\;+\;b\;Cosh[\,4\;x]\;+\;b\;Cosh[\,4\;x]\;+\;b\;Cosh[\,4\;x]\;+\;b\;Cosh[\,4\;x]\;+\;b\;Cosh[\,4\;x]\;+\;b\;Cosh[\,4\;x]\;+\;b\;Cosh[\,4\;x]\;+\;b\;Cosh[\,4\;x]\;+\;b\;Cosh[\,4\;x]\;+\;b\;Cosh[\,4\;x]\;+\;b\;Cosh[\,4\;x]\;+\;b\;Cosh[\,4\;x]\;+\;b\;Cosh[\,4\;x]\;+\;b\;Cosh[\,4\;x]\;+\;b\;Cosh[\,4\;x]\;+\;b\;Cosh[\,4\;x]\;+\;b\;Cosh[\,4\;x]\;+\;b\;Cosh[\,4\;x]\;+\;b\;Cosh[\,4\;x]\;+\;b\;Cosh[\,4\;x]\;+\;b\;Cosh[\,4\;x]\;+\;b\;Cosh[\,4\;x]\;+\;b\;Cosh[\,4\;x]\;+\;b\;Cosh[\,4\;x]\;+\;b\;Cosh[\,4\;x]\;+\;b\;Cosh[\,4\;x]\;+\;b\;Cosh[\,4\;x]\;+\;b\;Cosh[\,4\;x]\;+\;b\;Cosh[\,4\;x]\;+\;b\;Cosh[\,4\;x]\;+\;b\;Cosh[\,4\;x]\;+\;b\;Cosh[\,4\;x]\;+\;b\;Cosh[\,4\;x]\;+\;b\;Cosh[\,4\;x]\;+\;b\;Cosh[\,4\;x]\;+\;b\;Cosh[\,4\;x]\;+\;b\;Cosh[\,4\;x]\;+\;b\;Cosh[\,4\;x]\;+\;b\;Cosh[\,4\;x]\;+\;b\;Cosh[\,4\;x]\;+\;b\;Cosh[\,4\;x]\;+\;b\;Cosh[\,4\;x]\;+\;b\;Cosh[\,4\;x]\;+\;b\;Cosh[\,4\;x]\;+\;b\;Cosh[\,4\;x]\;+\;b
                             b (3 a - b + 3 c - 4 a Cosh[2x] + 4 c Cosh[2x] + a Cosh[4x] + b Cosh[4x] + c Cosh[4x]) +
```

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c (3 \text{ a} - \text{b} + 3 \text{ c} - 4 \text{ a} \cosh[2 x] + 4 \text{ c} \cosh[2 x] + a \cosh[4 x] + b \cosh[4 x] + c \cosh[4 x])
  \left(\frac{1}{a+b+c}\left(-2\,b-4\,c+\sqrt{2}\,\sqrt{\left(2\,b^2-8\,a\,c+a\,\left(3\,a-b+3\,c-4\,a\,Cosh[\,2\,x]\right)+4\,c\,Cosh[\,2\,x]\right)+a\,Cosh[\,4\,x]\right)+b\,Cosh[\,4\,x]}\right)
                                                                                                                  {\tt c\,Cosh[4\,x])} \,\, + \, {\tt b\,\,(3\,a-b+3\,c-4\,a\,Cosh[2\,x]} \,\, + \, {\tt 4\,c\,Cosh[2\,x]} \,\, + \, {\tt a\,Cosh[4\,x]} \,\, + \, {\tt b\,Cosh[4\,x]} \,\, + \, {
                                                                                      c (3 a - b + 3 c - 4 a Cosh[2 x] + 4 c Cosh[2 x] + a Cosh[4 x] + b Cosh[4 x] + c Cosh[4 x]))
    \left(2\,\text{a} - 2\,\text{c} + \sqrt{2}\,\,\sqrt{\left(2\,\text{b}^2 - 8\,\text{a}\,\text{c} + \text{a}\,\left(3\,\text{a} - \text{b} + 3\,\text{c} - 4\,\text{a}\,\text{Cosh}[2\,x] + 4\,\text{c}\,\text{Cosh}[2\,x] + \text{a}\,\text{Cosh}[4\,x] + \text{b}\,\text{Cosh}[4\,x] + \text{c}\,\text{Cosh}[4\,x]\right) + \left(2\,\text{b}^2 - 8\,\text{a}\,\text{c} + \text{a}\,\left(3\,\text{a} - \text{b} + 3\,\text{c} - 4\,\text{a}\,\text{Cosh}[2\,x] + 4\,\text{c}\,\text{Cosh}[2\,x] + \text{a}\,\text{Cosh}[4\,x] + \text{b}\,\text{Cosh}[4\,x] + \text{c}\,\text{Cosh}[4\,x]\right)\right) + \left(2\,\text{b}^2 - 8\,\text{a}\,\text{c} + \text{a}\,\left(3\,\text{a} - \text{b} + 3\,\text{c} - 4\,\text{a}\,\text{Cosh}[2\,x] + 4\,\text{c}\,\text{Cosh}[2\,x] + \text{a}\,\text{Cosh}[4\,x] + \text{b}\,\text{Cosh}[4\,x] + \text{c}\,\text{Cosh}[4\,x]\right)\right)
                                                         b\ (3\ a-b+3\ c-4\ a\ Cosh[2\ x]\ +\ 4\ c\ Cosh[2\ x]\ +\ a\ Cosh[4\ x]\ +\ b\ Cosh[4\ x]\ +\ c\ Cosh[4\ x]\ )\ 
                                                        c(3a-b+3c-4aCosh[2x]+4cCosh[2x]+aCosh[4x]+bCosh[4x]+cCosh[4x]))
\sqrt{\left[-1 + \frac{1}{2(a+b+c)} \left(2a-2c+\sqrt{2}\sqrt{(2b^2-8ac+a(3a-b+3c-4aCosh[2x]+4cCosh[2x]+aCosh[4x]+\frac{1}{2(a+b+c)} \left(2a-2c+\sqrt{2}\sqrt{(2b^2-8ac+a(3a-b+3c-4aCosh[2x]+4cCosh[2x]+aCosh[4x]+\frac{1}{2(a+b+c)} \left(2a-2c+\sqrt{2}\sqrt{(2b^2-8ac+a(3a-b+3c-4aCosh[2x]+4cCosh[2x]+aCosh[4x]+\frac{1}{2(a+b+c)} \left(2a-2c+\sqrt{2}\sqrt{(2b^2-8ac+a(3a-b+3c-4aCosh[2x]+aCosh[2x]+aCosh[2x]+aCosh[2x]+aCosh[2x]+aCosh[2x]+aCosh[2x]+aCosh[2x]+aCosh[2x]+aCosh[2x]+aCosh[2x]+aCosh[2x]+aCosh[2x]+aCosh[2x]+aCosh[2x]+aCosh[2x]+aCosh[2x]+aCosh[2x]+aCosh[2x]+aCosh[2x]+aCosh[2x]+aCosh[2x]+aCosh[2x]+aCosh[2x]+aCosh[2x]+aCosh[2x]+aCosh[2x]+aCosh[2x]+aCosh[2x]+aCosh[2x]+aCosh[2x]+aCosh[2x]+aCosh[2x]+aCosh[2x]+aCosh[2x]+aCosh[2x]+aCosh[2x]+aCosh[2x]+aCosh[2x]+aCosh[2x]+aCosh[2x]+aCosh[2x]+aCosh[2x]+aCosh[2x]+aCosh[2x]+aCosh[2x]+aCosh[2x]+aCosh[2x]+aCosh[2x]+aCosh[2x]+aCosh[2x]+aCosh[2x]+aCosh[2x]+aCosh[2x]+aCosh[2x]+aCosh[2x]+aCosh[2x]+aCosh[2x]+aCosh[2x]+aCosh[2x]+aCosh[2x]+aCosh[2x]+aCosh[2x]+aCosh[2x]+aCosh[2x]+aCosh[2x]+aCosh[2x]+aCosh[2x]+aCosh[2x]+aCosh[2x]+aCosh[2x]+aCosh[2x]+aCosh[2x]+aCosh[2x]+aCosh[2x]+aCosh[2x]+aCosh[2x]+aCosh[2x]+aCosh[2x]+aCosh[2x]+aCosh[2x]+aCosh[2x]+aCosh[2x]+aCosh[2x]+aCosh[2x]+aCosh[2x]+aCosh[2x]+aCosh[2x]+aCosh[2x]+aCosh[2x]+aCosh[2x]+aCosh[2x]+aCosh[2x]+aCosh[2x]+aCosh[2x]+aCosh[2x]+aCosh[2x]+aCosh[2x]+aCosh[2x]+aCosh[2x]+aCosh[2x]+aCosh[2x]+aCosh[2x]+aCosh[2x]+aCosh[2x]+aCosh[2x]+aCosh[2x]+aCosh[2x]+aCosh[2x]+aCosh[2x]+aCosh[2x]+aCosh[2x]+aCosh[2x]+aCosh[2x]+aCosh[2x]+aCosh[2x]+aCosh[2x]+aCosh[2x]+aCosh[2x]+aCosh[2x]+aCosh[2x]+aCosh[2x]+aCosh[2x]+aCosh[2x]+aCosh[2x]+aCosh[2x]+aCosh[2x]+aCosh[2x]+aCosh[2x]+aCosh[2x]+aCosh[2x]+aCosh[2x]+aCosh[2x]+aCosh[2x]+aCosh[2x]+aCosh[2x]+aCosh[2x]+aCosh[2x]+aCosh[2x]+aCosh[2x]+aCosh[2x]+aCosh[2x]+aCosh[2x]+aCosh[2x]+aCosh[2x]+aCosh[2x]+aCosh[2x]+aCosh[2x]+aCosh[2x]+aCosh[2x]+aCosh[2x]+aCosh[2x]+aCosh[2x]+aCosh[2x]+aCosh[2x]+aCosh[2x]+aCosh[2x]+aCosh[2x]+aCosh[2x]+aCosh[2x]+aCosh[2x]+aCosh[2x]+aCosh[2x]+aCosh[2x]+aCosh[2x]+aCosh[2x]+aCosh[2x]+aCosh[2x]+aCosh[2x]+aCosh[2x]+aCosh[2x]+aCosh[2x]+aCosh[2x]+aCosh[2x]+aC
                                                                                                                               \begin{array}{c} \cdot \\ b \operatorname{Cosh}[4 \ x] + c \operatorname{Cosh}[4 \ x] \,) + b \, (3 \ a - b + 3 \ c - 4 \ a \operatorname{Cosh}[2 \ x] + 4 \ c \operatorname{Cosh}[2 \ x] + a \operatorname{Cosh}[4 \ x] + b \operatorname{Cosh}[4 \ x] + b \operatorname{Cosh}[4 \ x] \\ \end{array} 
                                                                                                                           c \cosh[4x] + c (3a - b + 3c - 4a \cosh[2x] + 4c \cosh[2x] + a \cosh[4x] + b \cosh[4x] + c \cosh[4x]))
 \sqrt{\left[1+\frac{1}{2(a+b+c)}\left(2a-2c+\sqrt{2}\sqrt{(2b^2-8ac+a(3a-b+3c-4aCosh[2x]+4cCosh[2x]+aCosh[4x]+\frac{1}{2(a+b+c)}\left(2a-2c+\sqrt{2}\sqrt{(2b^2-8ac+a(3a-b+3c-4aCosh[2x]+4cCosh[2x]+aCosh[4x]+\frac{1}{2(a+b+c)}\right)\right]}
                                                                                                                             b \, Cosh[4\,x] \, + c \, Cosh[4\,x] \, ) \, + b \, (3\,a - b + 3\,c - 4\,a \, Cosh[2\,x] \, + 4\,c \, Cosh[2\,x] \, + a \, Cosh[4\,x] \, + b \, Cosh[4\,x] \, +
                                                                                                                           c \cosh[4x] + c (3a - b + 3c - 4a \cosh[2x] + 4c \cosh[2x] + a \cosh[4x] + b \cosh[4x] + c \cosh[4x] + c \cosh[4x])
  \sqrt{(3 a - b + 3 c - 4 (a - c) Cosh[2 x] + (a + b + c) Cosh[4 x]) Csch[x]^4} + a Cosh[2 x]
     (3 a - b + 3 c - 4 (a - c) Cosh[2x] + (a + b + c) Cosh[4x])
      2 \text{ a} \sqrt{3 \text{ a} - \text{b} + 3 \text{ c} - 4 \text{ a} \text{ Cosh}[2 \text{ x}] + 4 \text{ c} \text{ Cosh}[2 \text{ x}] + \text{a} \text{ Cosh}[4 \text{ x}] + \text{b} \text{ Cosh}[4 \text{ x}] + \text{c} \text{ Cosh}[4 \text{ x}]}
                    2 b \sqrt{3 a - b + 3 c - 4 a Cosh[2 x] + 4 c Cosh[2 x] + a Cosh[4 x] + b Cosh[4 x] + c Cosh[4 x]} + c Cosh[4 x]
                    2\ c\ \sqrt{3}\ a\ -\ b\ +\ 3\ c\ -\ 4\ a\ Cosh[2\ x]\ +\ 4\ c\ Cosh[2\ x]\ +\ a\ Cosh[4\ x]\ +\ b\ Cosh[4\ x]\ +\ c\ Cosh
                                                                                \frac{\text{ArcTanh}\Big[\frac{\sqrt{3\,\text{a-b+3}\,\text{c-4}\,\text{a}\,\text{Cosh}[2\,\text{x}] + 4\,\text{c}\,\text{Cosh}[2\,\text{x}] + a\,\text{Cosh}[4\,\text{x}] + b\,\text{Cosh}[4\,\text{x}] + c\,\text{Cosh}[4\,\text{x}]}{2\,\sqrt{2}\,\,\sqrt{a}}\Big]}{\sqrt{a}}
 Csch[x]^2
                  \frac{1}{\sqrt{a}} \operatorname{ArcTanh} \left[ \left( (2 a + b) \sqrt{3 a - b + 3 c - 4 a \cosh[2 x] + 4 c \cosh[2 x] + a \cosh[4 x] + b \cosh[4 x] + c \cosh[4 x] + c \cosh[4 x] \right) \right] 
                                                 \left(2\,\sqrt{a}\,\,\sqrt{\left(2\,b^2\,-\,8\,a\,c\,+\,a\,\left(3\,a\,-\,b\,+\,3\,c\,-\,4\,a\,Cosh[\,2\,x\,]\,+\,4\,c\,Cosh[\,2\,x\,]\,+\,a\,Cosh[\,4\,x\,]\,+\,b\,Cosh[\,4\,x\,]\,+\,b\,Cosh[\,4\,x\,]\,+\,c\,Cosh[\,4\,x\,]\,\right)}\,+\,2\,Cosh[\,4\,x]\,+\,2\,Cosh[\,4\,x]\,+\,2\,Cosh[\,4\,x]\,+\,2\,Cosh[\,4\,x]\,+\,2\,Cosh[\,4\,x]\,+\,2\,Cosh[\,4\,x]\,+\,2\,Cosh[\,4\,x]\,+\,2\,Cosh[\,4\,x]\,+\,2\,Cosh[\,4\,x]\,+\,2\,Cosh[\,4\,x]\,+\,2\,Cosh[\,4\,x]\,+\,2\,Cosh[\,4\,x]\,+\,2\,Cosh[\,4\,x]\,+\,2\,Cosh[\,4\,x]\,+\,2\,Cosh[\,4\,x]\,+\,2\,Cosh[\,4\,x]\,+\,2\,Cosh[\,4\,x]\,+\,2\,Cosh[\,4\,x]\,+\,2\,Cosh[\,4\,x]\,+\,2\,Cosh[\,4\,x]\,+\,2\,Cosh[\,4\,x]\,+\,2\,Cosh[\,4\,x]\,+\,2\,Cosh[\,4\,x]\,+\,2\,Cosh[\,4\,x]\,+\,2\,Cosh[\,4\,x]\,+\,2\,Cosh[\,4\,x]\,+\,2\,Cosh[\,4\,x]\,+\,2\,Cosh[\,4\,x]\,+\,2\,Cosh[\,4\,x]\,+\,2\,Cosh[\,4\,x]\,+\,2\,Cosh[\,4\,x]\,+\,2\,Cosh[\,4\,x]\,+\,2\,Cosh[\,4\,x]\,+\,2\,Cosh[\,4\,x]\,+\,2\,Cosh[\,4\,x]\,+\,2\,Cosh[\,4\,x]\,+\,2\,Cosh[\,4\,x]\,+\,2\,Cosh[\,4\,x]\,+\,2\,Cosh[\,4\,x]\,+\,2\,Cosh[\,4\,x]\,+\,2\,Cosh[\,4\,x]\,+\,2\,Cosh[\,4\,x]\,+\,2\,Cosh[\,4\,x]\,+\,2\,Cosh[\,4\,x]\,+\,2\,Cosh[\,4\,x]\,+\,2\,Cosh[\,4\,x]\,+\,2\,Cosh[\,4\,x]\,+\,2\,Cosh[\,4\,x]\,+\,2\,Cosh[\,4\,x]\,+\,2\,Cosh[\,4\,x]\,+\,2\,Cosh[\,4\,x]\,+\,2\,Cosh[\,4\,x]\,+\,2\,Cosh[\,4\,x]\,+\,2\,Cosh[\,4\,x]\,+\,2\,Cosh[\,4\,x]\,+\,2\,Cosh[\,4\,x]\,+\,2\,Cosh[\,4\,x]\,+\,2\,Cosh[\,4\,x]\,+\,2\,Cosh[\,4\,x]\,+\,2\,Cosh[\,4\,x]\,+\,2\,Cosh[\,4\,x]\,+\,2\,Cosh[\,4\,x]\,+\,2\,Cosh[\,4\,x]\,+\,2\,Cosh[\,4\,x]\,+\,2\,Cosh[\,4\,x]\,+\,2\,Cosh[\,4\,x]\,+\,2\,Cosh[\,4\,x]\,+\,2\,Cosh[\,4\,x]\,+\,2\,Cosh[\,4\,x]\,+\,2\,Cosh[\,4\,x]\,+\,2\,Cosh[\,4\,x]\,+\,2\,Cosh[\,4\,x]\,+\,2\,Cosh[\,4\,x]\,+\,2\,Cosh[\,4\,x]\,+\,2\,Cosh[\,4\,x]\,+\,2\,Cosh[\,4\,x]\,+\,2\,Cosh[\,4\,x]\,+\,2\,Cosh[\,4\,x]\,+\,2\,Cosh[\,4\,x]\,+\,2\,Cosh[\,4\,x]\,+\,2\,Cosh[\,4\,x]\,+\,2\,Cosh[\,4\,x]\,+\,2\,Cosh[\,4\,x]\,+\,2\,Cosh[\,4\,x]\,+\,2\,Cosh[\,4\,x]\,+\,2\,Cosh[\,4\,x]\,+\,2\,Cosh[\,4\,x]\,+\,2\,Cosh[\,4\,x]\,+\,2\,Cosh[\,4\,x]\,+\,2\,Cosh[\,4\,x]\,+\,2\,Cosh[\,4\,x]\,+\,2\,Cosh[\,4\,x]\,+\,2\,Cosh[\,4\,x]\,+\,2\,Cosh[\,4\,x]\,+\,2\,Cosh[\,4\,x]\,+\,2\,Cosh[\,4\,x]\,+\,2\,Cosh[\,4\,x]\,+\,2\,Cosh[\,4\,x]\,+\,2\,Cosh[\,4\,x]\,+\,2\,Cosh[\,4\,x]\,+\,2\,Cosh[\,4\,x]\,+\,2\,Cosh[\,4\,x]\,+\,2\,Cosh[\,4\,x]\,+\,2\,Cosh[\,4\,x]\,+\,2\,Cosh[\,4\,x]\,+\,2\,Cosh[\,4\,x]\,+\,2\,Cosh[\,4\,x]\,+\,2\,Cosh[\,4\,x]\,+\,2\,Cosh[\,4\,x]\,+\,2\,Cosh[\,4\,x]\,+\,2\,Cosh[\,4\,x]\,+\,2\,Cosh[\,4\,x]\,+\,2\,Cosh[\,4\,x]\,+\,2\,Cosh[\,4\,x]\,+\,2\,Cosh[\,4\,x]\,+\,2\,Cosh[\,4\,x]\,+\,2\,Cosh[\,4\,x]\,+\,2\,Cosh[\,4\,x]\,+\,2\,Cosh[\,4\,x]\,+\,2\,Cosh[\,4\,x]\,+\,2\,Cosh[\,4\,x]\,+\,2\,Cosh[\,4\,x]\,+\,2\,Cosh[\,4\,x]\,+\,2\,Cosh[\,4\,x]\,+\,2\,Cosh[\,4\,x]\,+\,2\,Cosh[\,4\,x]\,+\,
                                                                                                b (3 a - b + 3 c - 4 a Cosh[2 x] + 4 c Cosh[2 x] + a Cosh[4 x] + b Cosh[4 x] + c Cosh[4 x]) +
                                                                                                c(3a-b+3c-4aCosh[2x]+4cCosh[2x]+aCosh[4x]+bCosh[4x]+cCosh[4x])))
```

```
b\sqrt{3}a - b + 3c - 4a Cosh[2x] + 4c Cosh[2x] + a Cosh[4x] + b Cosh[4x] + c Cosh[4x] + c Cosh[4x]
                                                                                                              \sqrt{3} a - b + 3 c - 4 a Cosh[2 x] + 4 c Cosh[2 x] + a Cosh[4 x] + b Cosh[4 x] + c Cosh[4 x] + \sqrt{a + b + c}
                                                                                                              \sqrt{(2b^2 - 8ac + a(3a - b + 3c - 4aCosh[2x] + 4cCosh[2x] + aCosh[4x] + bCosh[4x] + cCosh[4x])} + cCosh[4x] + cCos
                                                                                                                                                  c (3 a - b + 3 c - 4 a Cosh[2 x] + 4 c Cosh[2 x] + a Cosh[4 x] + b Cosh[4 x] + c Cosh[4 x])
                                                                                                                                                                                           a Coth[2x] Sinh[x]^{2}
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      a \operatorname{Csch}[2x] \operatorname{Sinh}[x]^2
               \sqrt{3 a - b + 3 c - 4 (a - c) \cosh[2 x] + (a + b + c) \cosh[4 x]}
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         \sqrt{3 a - b + 3 c - 4 (a - c) \cosh[2 x] + (a + b + c) \cosh[4 x]}
                                                                                                                                                                                                     b Csch[2x] Sinh[x]<sup>2</sup>
                              \sqrt{3 a - b + 3 c - 4 (a - c) \cosh[2 x] + (a + b + c) \cosh[4 x]}
     (-4 \text{ a Sinh}[2x] + 4 \text{ c Sinh}[2x] + 2 \text{ a Sinh}[4x] + 2 \text{ b Sinh}[4x] + 2 \text{ c Sinh}[4x])
     (a (-8 a Sinh[2x] + 8 c Sinh[2x] + 4 a Sinh[4x] + 4 b Sinh[4x] + 4 c Sinh[4x]) +
                    b (-8 a Sinh[2x] + 8 c Sinh[2x] + 4 a Sinh[4x] + 4 b Sinh[4x] + 4 c Sinh[4x]) +
                        c (-8 a Sinh[2 x] + 8 c Sinh[2 x] + 4 a Sinh[4 x] + 4 b Sinh[4 x] + 4 c Sinh[4 x]))
   (-a + b + a \cosh[2x]) \sqrt{3a - b + 3c - 4a \cosh[2x] + 4c \cosh[2x] + a \cosh[4x] + b \cosh[4x] + c \cosh[4x]}
   (2b^2 - 8ac + a(3a - b + 3c - 4aCosh[2x] + 4cCosh[2x] + aCosh[4x] + bCosh[4x] + cCosh[4x]) + cCosh[4x])
                      b \; (3 \; a \; -b \; + \; 3 \; c \; -4 \; a \; Cosh[\; 2 \; x \;] \; + \; 4 \; c \; Cosh[\; 2 \; x \;] \; + \; a \; Cosh[\; 4 \; x \;] \; + \; b \; Cosh[\; 4 \; x \;] \; + \; c \; Cosh[\; 4 \; x \;] \; ) \; + \; c \; Cosh[\; 4 \; x \;] \; ) \; + \; c \; Cosh[\; 4 \; x \;] \; ) \; + \; c \; Cosh[\; 4 \; x \;] \; ) \; + \; c \; Cosh[\; 4 \; x \;] \; ) \; + \; c \; Cosh[\; 4 \; x \;] \; ) \; + \; c \; Cosh[\; 4 \; x \;] \; ) \; + \; c \; Cosh[\; 4 \; x \;] \; ) \; + \; c \; Cosh[\; 4 \; x \;] \; ) \; + \; c \; Cosh[\; 4 \; x \;] \; ) \; + \; c \; Cosh[\; 4 \; x \;] \; ) \; + \; c \; Cosh[\; 4 \; x \;] \; ) \; + \; c \; Cosh[\; 4 \; x \;] \; ) \; + \; c \; Cosh[\; 4 \; x \;] \; ) \; + \; c \; Cosh[\; 4 \; x \;] \; ) \; + \; c \; Cosh[\; 4 \; x \;] \; ) \; + \; c \; Cosh[\; 4 \; x \;] \; ) \; + \; c \; Cosh[\; 4 \; x \;] \; ) \; + \; c \; Cosh[\; 4 \; x \;] \; ) \; + \; c \; Cosh[\; 4 \; x \;] \; ) \; + \; c \; Cosh[\; 4 \; x \;] \; ) \; + \; c \; Cosh[\; 4 \; x \;] \; ) \; + \; c \; Cosh[\; 4 \; x \;] \; ) \; + \; c \; Cosh[\; 4 \; x \;] \; ) \; + \; c \; Cosh[\; 4 \; x \;] \; ) \; + \; c \; Cosh[\; 4 \; x \;] \; ) \; + \; c \; Cosh[\; 4 \; x \;] \; ) \; + \; c \; Cosh[\; 4 \; x \;] \; ) \; + \; c \; Cosh[\; 4 \; x \;] \; ) \; + \; c \; Cosh[\; 4 \; x \;] \; ) \; + \; c \; Cosh[\; 4 \; x \;] \; ) \; + \; c \; Cosh[\; 4 \; x \;] \; ) \; + \; c \; Cosh[\; 4 \; x \;] \; ) \; + \; c \; Cosh[\; 4 \; x \;] \; ) \; + \; c \; Cosh[\; 4 \; x \;] \; ) \; + \; c \; Cosh[\; 4 \; x \;] \; ) \; + \; c \; Cosh[\; 4 \; x \;] \; ) \; + \; c \; Cosh[\; 4 \; x \;] \; ) \; + \; c \; Cosh[\; 4 \; x \;] \; ) \; + \; c \; Cosh[\; 4 \; x \;] \; ) \; + \; c \; Cosh[\; 4 \; x \;] \; ) \; + \; c \; Cosh[\; 4 \; x \;] \; ) \; + \; c \; Cosh[\; 4 \; x \;] \; ) \; + \; c \; Cosh[\; 4 \; x \;] \; ) \; + \; c \; Cosh[\; 4 \; x \;] \; ) \; + \; c \; Cosh[\; 4 \; x \;] \; ) \; + \; c \; Cosh[\; 4 \; x \;] \; ) \; + \; c \; Cosh[\; 4 \; x \;] \; ) \; + \; c \; Cosh[\; 4 \; x \;] \; + \; c \; Cosh[\; 4 \; x \;] \; ) \; + \; c \; Cosh[\; 4 \; x \;] \; + \; c \; Cosh[\; 4 \; x \;] \; ) \; + \; c \; Cosh[\; 4 \; x \;] \; + \; c \; Cosh[\; 4 \; x \;] \; + \; c \; Cosh[\; 4 \; x \;] \; + \; c \; Cosh[\; 4 \; x \;] \; + \; c \; Cosh[\; 4 \; x \;] \; + \; c \; Cosh[\; 4 \; x \;] \; + \; c \; Cosh[\; 4 \; x \;] \; + \; c \; Cosh[\; 4 \; x \;] \; + \; c \; Cosh[\; 4 \; x \;] \; + \; c \; Cosh[\; 4 \; x \;] \; + \; c \; Cosh[\; 4 \; x \;] \; + \; c \; Cosh[\; 4 \; x \;] \; + \; c \; Cosh[\; 4 \; x \;] \; + \; c \; Cosh[\; 
                        c(3a-b+3c-4aCosh[2x]+4cCosh[2x]+aCosh[4x]+bCosh[4x]+cCosh[4x])
                                                 \frac{1}{1 + b + c} \left( 4 a + 2 b + \sqrt{2} \sqrt{2 b^2 - 8 a c + a (3 a - b + 3 c - 4 a Cosh[2 x] + 4 c Cosh[2 x] + a Cosh[4 x] + b Cosh[
                                                                                                                                                \texttt{c} \; \texttt{Cosh[4\,x])} \; + \; \texttt{b} \; (3 \; \texttt{a} \; - \; \texttt{b} \; + \; \texttt{3} \; \texttt{c} \; - \; \texttt{4} \; \texttt{a} \; \texttt{Cosh[2\,x]} \; + \; \texttt{4} \; \texttt{c} \; \texttt{Cosh[4\,x]} \; + \; \texttt{b} \; \texttt{Cosh[4\,x]} \; + \; \texttt{b} \; \texttt{Cosh[4\,x]} \; + \; \texttt{c} \; \texttt{Cosh[4\,x]} \; ) \; + \; \texttt{c} \; \texttt{cosh[4\,x]} \; +
                                                                                                            c (3 a - b + 3 c - 4 a Cosh[2 x] + 4 c Cosh[2 x] + a Cosh[4 x] + b Cosh[4 x] + c Cosh[4 x]))
\sqrt{\left[\frac{1}{a+b+c}\left(-2\,b-4\,c+\sqrt{2}\,\sqrt{\left(2\,b^2-8\,a\,c+a\,\left(3\,a-b+3\,c-4\,a\,Cosh\left[2\,x\right]+4\,c\,Cosh\left[2\,x\right]+a\,Cosh\left[4\,x\right]+b\,Cosh\left[4\,x\right]+b\,Cosh\left[4\,x\right]+b\,Cosh\left[4\,x\right]+a\,Cosh\left[4\,x\right]+b\,Cosh\left[4\,x\right]+b\,Cosh\left[4\,x\right]+b\,Cosh\left[4\,x\right]+a\,Cosh\left[4\,x\right]+b\,Cosh\left[4\,x\right]+a\,Cosh\left[4\,x\right]+a\,Cosh\left[4\,x\right]+a\,Cosh\left[4\,x\right]+a\,Cosh\left[4\,x\right]+a\,Cosh\left[4\,x\right]+a\,Cosh\left[4\,x\right]+a\,Cosh\left[4\,x\right]+a\,Cosh\left[4\,x\right]+a\,Cosh\left[4\,x\right]+a\,Cosh\left[4\,x\right]+a\,Cosh\left[4\,x\right]+a\,Cosh\left[4\,x\right]+a\,Cosh\left[4\,x\right]+a\,Cosh\left[4\,x\right]+a\,Cosh\left[4\,x\right]+a\,Cosh\left[4\,x\right]+a\,Cosh\left[4\,x\right]+a\,Cosh\left[4\,x\right]+a\,Cosh\left[4\,x\right]+a\,Cosh\left[4\,x\right]+a\,Cosh\left[4\,x\right]+a\,Cosh\left[4\,x\right]+a\,Cosh\left[4\,x\right]+a\,Cosh\left[4\,x\right]+a\,Cosh\left[4\,x\right]+a\,Cosh\left[4\,x\right]+a\,Cosh\left[4\,x\right]+a\,Cosh\left[4\,x\right]+a\,Cosh\left[4\,x\right]+a\,Cosh\left[4\,x\right]+a\,Cosh\left[4\,x\right]+a\,Cosh\left[4\,x\right]+a\,Cosh\left[4\,x\right]+a\,Cosh\left[4\,x\right]+a\,Cosh\left[4\,x\right]+a\,Cosh\left[4\,x\right]+a\,Cosh\left[4\,x\right]+a\,Cosh\left[4\,x\right]+a\,Cosh\left[4\,x\right]+a\,Cosh\left[4\,x\right]+a\,Cosh\left[4\,x\right]+a\,Cosh\left[4\,x\right]+a\,Cosh\left[4\,x\right]+a\,Cosh\left[4\,x\right]+a\,Cosh\left[4\,x\right]+a\,Cosh\left[4\,x\right]+a\,Cosh\left[4\,x\right]+a\,Cosh\left[4\,x\right]+a\,Cosh\left[4\,x\right]+a\,Cosh\left[4\,x\right]+a\,Cosh\left[4\,x\right]+a\,Cosh\left[4\,x\right]+a\,Cosh\left[4\,x\right]+a\,Cosh\left[4\,x\right]+a\,Cosh\left[4\,x\right]+a\,Cosh\left[4\,x\right]+a\,Cosh\left[4\,x\right]+a\,Cosh\left[4\,x\right]+a\,Cosh\left[4\,x\right]+a\,Cosh\left[4\,x\right]+a\,Cosh\left[4\,x\right]+a\,Cosh\left[4\,x\right]+a\,Cosh\left[4\,x\right]+a\,Cosh\left[4\,x\right]+a\,Cosh\left[4\,x\right]+a\,Cosh\left[4\,x\right]+a\,Cosh\left[4\,x\right]+a\,Cosh\left[4\,x\right]+a\,Cosh\left[4\,x\right]+a\,Cosh\left[4\,x\right]+a\,Cosh\left[4\,x\right]+a\,Cosh\left[4\,x\right]+a\,Cosh\left[4\,x\right]+a\,Cosh\left[4\,x\right]+a\,Cosh\left[4\,x\right]+a\,Cosh\left[4\,x\right]+a\,Cosh\left[4\,x\right]+a\,Cosh\left[4\,x\right]+a\,Cosh\left[4\,x\right]+a\,Cosh\left[4\,x\right]+a\,Cosh\left[4\,x\right]+a\,Cosh\left[4\,x\right]+a\,Cosh\left[4\,x\right]+a\,Cosh\left[4\,x\right]+a\,Cosh\left[4\,x\right]+a\,Cosh\left[4\,x\right]+a\,Cosh\left[4\,x\right]+a\,Cosh\left[4\,x\right]+a\,Cosh\left[4\,x\right]+a\,Cosh\left[4\,x\right]+a\,Cosh\left[4\,x\right]+a\,Cosh\left[4\,x\right]+a\,Cosh\left[4\,x\right]+a\,Cosh\left[4\,x\right]+a\,Cosh\left[4\,x\right]+a\,Cosh\left[4\,x\right]+a\,Cosh\left[4\,x\right]+a\,Cosh\left[4\,x\right]+a\,Cosh\left[4\,x\right]+a\,Cosh\left[4\,x\right]+a\,Cosh\left[4\,x\right]+a\,Cosh\left[4\,x\right]+a\,Cosh\left[4\,x\right]+a\,Cosh\left[4\,x\right]+a\,Cosh\left[4\,x\right]+a\,Cosh\left[4\,x\right]+a\,Cosh\left[4\,x\right]+a\,Cosh\left[4\,x\right]+a\,Cosh\left[4\,x\right]+a\,Cosh\left[4\,x\right]+a\,Cosh\left[4\,x\right]+a\,Cosh\left[4\,x\right]+a\,Cosh\left[4\,x\right]+a\,Cosh\left[4\,x\right]+a\,Cosh\left[4\,x\right]+a\,Cosh\left[4\,x\right]+a\,Cosh\left[4\,x\right]+a\,Cosh\left[4\,x\right]+a\,Cosh\left[4\,x\right]+a\,Cosh\left[4\,x\right]+a\,Cosh\left[4\,x\right]+a\,Cosh\left[4\,x\right]+a\,Cosh\left[4\,x\right]+a\,Cosh\left[4\,x\right]+a\,Cosh\left[4\,x\right]+a\,Cosh\left[4\,x\right]+a\,Cosh\left[4\,x\right]+a\,Cosh\left[4\,x\right]+a\,Cosh\left[4\,x\right]+a\,Cos
                                                                                                                                                \texttt{c} \; \texttt{Cosh} [\, 4 \; \mathbf{x} \,] \;) \; + \; \texttt{b} \; (\, 3 \; \texttt{a} \; - \; \texttt{b} \; + \; 3 \; \texttt{c} \; - \; 4 \; \texttt{a} \; \texttt{Cosh} [\, 2 \; \mathbf{x} \,] \; + \; 4 \; \texttt{c} \; \texttt{Cosh} [\, 2 \; \mathbf{x} \,] \; + \; \texttt{a} \; \texttt{Cosh} [\, 4 \; \mathbf{x} \,] \; + \; \texttt{b} \; \texttt{Cosh} [\, 4 \; \mathbf{x} \,] \; + \; \texttt{c} \; \texttt{Cosh} [\, 4 \; \mathbf{x} \,] \; ) \; + \; \texttt{c} \; \texttt{cosh} [\, 4 \; \mathbf{x} \,] \; + \; \texttt{c} \; \texttt{cosh} [\, 4 \; \mathbf{x} \,] \; + \; \texttt{c} \; \texttt{cosh} [\, 4 \; \mathbf{x} \,] \; + \; \texttt{c} \; \texttt{cosh} [\, 4 \; \mathbf{x} \,] \; + \; \texttt{c} \; \texttt{cosh} [\, 4 \; \mathbf{x} \,] \; + \; \texttt{c} \; \texttt{cosh} [\, 4 \; \mathbf{x} \,] \; + \; \texttt{c} \; \texttt{cosh} [\, 4 \; \mathbf{x} \,] \; + \; \texttt{c} \; \texttt{cosh} [\, 4 \; \mathbf{x} \,] \; + \; \texttt{c} \; \texttt{cosh} [\, 4 \; \mathbf{x} \,] \; + \; \texttt{c} \; \texttt{cosh} [\, 4 \; \mathbf{x} \,] \; + \; \texttt{c} \; \texttt{cosh} [\, 4 \; \mathbf{x} \,] \; + \; \texttt{c} \; \texttt{cosh} [\, 4 \; \mathbf{x} \,] \; + \; \texttt{c} \; \texttt{cosh} [\, 4 \; \mathbf{x} \,] \; + \; \texttt{c} \; \texttt{cosh} [\, 4 \; \mathbf{x} \,] \; + \; \texttt{c} \; \texttt{cosh} [\, 4 \; \mathbf{x} \,] \; + \; \texttt{c} \; \texttt{cosh} [\, 4 \; \mathbf{x} \,] \; + \; \texttt{c} \; \texttt{cosh} [\, 4 \; \mathbf{x} \,] \; + \; \texttt{c} \; \texttt{cosh} [\, 4 \; \mathbf{x} \,] \; + \; \texttt{c} \; \texttt{cosh} [\, 4 \; \mathbf{x} \,] \; + \; \texttt{c} \; \texttt{cosh} [\, 4 \; \mathbf{x} \,] \; + \; \texttt{c} \; \texttt{cosh} [\, 4 \; \mathbf{x} \,] \; + \; \texttt{c} \; \texttt{cosh} [\, 4 \; \mathbf{x} \,] \; + \; \texttt{c} \; \texttt{cosh} [\, 4 \; \mathbf{x} \,] \; + \; \texttt{c} \; \texttt{cosh} [\, 4 \; \mathbf{x} \,] \; + \; \texttt{c} \; \texttt{cosh} [\, 4 \; \mathbf{x} \,] \; + \; \texttt{c} \; \texttt{cosh} [\, 4 \; \mathbf{x} \,] \; + \; \texttt{c} \; \texttt{cosh} [\, 4 \; \mathbf{x} \,] \; + \; \texttt{c} \; \texttt{cosh} [\, 4 \; \mathbf{x} \,] \; + \; \texttt{c} \; \texttt{cosh} [\, 4 \; \mathbf{x} \,] \; + \; \texttt{c} \; \texttt{cosh} [\, 4 \; \mathbf{x} \,] \; + \; \texttt{c} \; \texttt{cosh} [\, 4 \; \mathbf{x} \,] \; + \; \texttt{c} \; \texttt{cosh} [\, 4 \; \mathbf{x} \,] \; + \; \texttt{c} \; \texttt{cosh} [\, 4 \; \mathbf{x} \,] \; + \; \texttt{c} \; \texttt{cosh} [\, 4 \; \mathbf{x} \,] \; + \; \texttt{c} \; \texttt{cosh} [\, 4 \; \mathbf{x} \,] \; + \; \texttt{c} \; \texttt{cosh} [\, 4 \; \mathbf{x} \,] \; + \; \texttt{c} \; \texttt{cosh} [\, 4 \; \mathbf{x} \,] \; + \; \texttt{c} \; \texttt{cosh} [\, 4 \; \mathbf{x} \,] \; + \; \texttt{c} \; \texttt{cosh} [\, 4 \; \mathbf{x} \,] \; + \; \texttt{c} \; \texttt{cosh} [\, 4 \; \mathbf{x} \,] \; + \; \texttt{c} \; \texttt{cosh} [\, 4 \; \mathbf{x} \,] \; + \; \texttt{c} \; \texttt{cosh} [\, 4 \; \mathbf{x} \,] \; + \; \texttt{c} \; \texttt{cosh} [\, 4 \; \mathbf{x} \,] \; + \; \texttt{c} \; \texttt{cosh} [\, 4 \; \mathbf{x} \,] \; + \; \texttt{c} \; \texttt{cosh} [\, 4 \; \mathbf{x} \,] \; + \; \texttt{c} \; \texttt{cosh} [\, 4 \; \mathbf{x} \,] \; + \; \texttt{c} \; \texttt{cosh} [\, 4 \; \mathbf{x} \,] \; + \; \texttt{c} \; \texttt{cosh} [\, 4 \; \mathbf{x} \,] \; + \; \texttt{c} \; \texttt{cosh} [\, 4 \; \mathbf{x} \,] \; + 
                                                                                                            c (3 a - b + 3 c - 4 a Cosh[2 x] + 4 c Cosh[2 x] + a Cosh[4 x] + b Cosh[4 x] + c Cosh[4 x]))
     2a-2c+\sqrt{2}\sqrt{2b^2-8ac+a(3a-b+3c-4a\cosh[2x]+4c\cosh[2x]+a\cosh[4x]+b\cosh[4x]+b\cosh[4x]+c\cosh[4x])}
                                                                       b \; (3 \; a \; -b \; + \; 3 \; c \; -4 \; a \; Cosh[\; 2 \; x] \; + \; 4 \; c \; Cosh[\; 2 \; x] \; + \; a \; Cosh[\; 4 \; x] \; + \; b \; Cosh[\; 4 \; x] \; + \; c \; Cosh[\; 4 \; x] \; ) \; + \; c \; Cosh[\; 4 \; x] \; ) \; + \; c \; Cosh[\; 4 \; x] \; ) \; + \; c \; Cosh[\; 4 \; x] \; ) \; + \; c \; Cosh[\; 4 \; x] \; ) \; + \; c \; Cosh[\; 4 \; x] \; ) \; + \; c \; Cosh[\; 4 \; x] \; ) \; + \; c \; Cosh[\; 4 \; x] \; ) \; + \; c \; Cosh[\; 4 \; x] \; ) \; + \; c \; Cosh[\; 4 \; x] \; ) \; + \; c \; Cosh[\; 4 \; x] \; ) \; + \; c \; Cosh[\; 4 \; x] \; ) \; + \; c \; Cosh[\; 4 \; x] \; ) \; + \; c \; Cosh[\; 4 \; x] \; ) \; + \; c \; Cosh[\; 4 \; x] \; ) \; + \; c \; Cosh[\; 4 \; x] \; ) \; + \; c \; Cosh[\; 4 \; x] \; ) \; + \; c \; Cosh[\; 4 \; x] \; ) \; + \; c \; Cosh[\; 4 \; x] \; ) \; + \; c \; Cosh[\; 4 \; x] \; ) \; + \; c \; Cosh[\; 4 \; x] \; ) \; + \; c \; Cosh[\; 4 \; x] \; ) \; + \; c \; Cosh[\; 4 \; x] \; ) \; + \; c \; Cosh[\; 4 \; x] \; ) \; + \; c \; Cosh[\; 4 \; x] \; ) \; + \; c \; Cosh[\; 4 \; x] \; ) \; + \; c \; Cosh[\; 4 \; x] \; ) \; + \; c \; Cosh[\; 4 \; x] \; ) \; + \; c \; Cosh[\; 4 \; x] \; ) \; + \; c \; Cosh[\; 4 \; x] \; ) \; + \; c \; Cosh[\; 4 \; x] \; ) \; + \; c \; Cosh[\; 4 \; x] \; ) \; + \; c \; Cosh[\; 4 \; x] \; ) \; + \; c \; Cosh[\; 4 \; x] \; ) \; + \; c \; Cosh[\; 4 \; x] \; ) \; + \; c \; Cosh[\; 4 \; x] \; ) \; + \; c \; Cosh[\; 4 \; x] \; ) \; + \; c \; Cosh[\; 4 \; x] \; ) \; + \; c \; Cosh[\; 4 \; x] \; ) \; + \; c \; Cosh[\; 4 \; x] \; ) \; + \; c \; Cosh[\; 4 \; x] \; ) \; + \; c \; Cosh[\; 4 \; x] \; ) \; + \; c \; Cosh[\; 4 \; x] \; ) \; + \; c \; Cosh[\; 4 \; x] \; ) \; + \; c \; Cosh[\; 4 \; x] \; ) \; + \; c \; Cosh[\; 4 \; x] \; ) \; + \; c \; Cosh[\; 4 \; x] \; ) \; + \; c \; Cosh[\; 4 \; x] \; ) \; + \; c \; Cosh[\; 4 \; x] \; ) \; + \; c \; Cosh[\; 4 \; x] \; ) \; + \; c \; Cosh[\; 4 \; x] \; ) \; + \; c \; Cosh[\; 4 \; x] \; ) \; + \; c \; Cosh[\; 4 \; x] \; ) \; + \; c \; Cosh[\; 4 \; x] \; ) \; + \; c \; Cosh[\; 4 \; x] \; + \; c \; Cosh[\; 4 \; x] \; ) \; + \; c \; Cosh[\; 4 \; x] \; ) \; + \; c \; Cosh[\; 4 \; x] \; + \; c \; Cosh[\; 4 \; x] \; ) \; + \; c \; Cosh[\; 4 \; x] \; + \; c \; Cosh[\; 4 \; x] \; + \; c \; Cosh[\; 4 \; x] \; + \; c \; Cosh[\; 4 \; x] \; + \; c \; Cosh[\; 4 \; x] \; + \; c \; Cosh[\; 4 \; x] \; + \; c \; Cosh[\; 4 \; x] \; + \; c \; Cosh[\; 4 \; x] \; + \; c \; Cosh[\; 4 \; x] \; + \; c \; Cosh[\; 4 \; x] \; + \; c \; Cosh[\; 4 \; x] \; + \; 
                                                                      c(3a-b+3c-4aCosh[2x]+4cCosh[2x]+aCosh[4x]+bCosh[4x]+cCosh[4x]))
 \sqrt{\left[-1 + \frac{1}{2(a+b+c)} \left(2 a - 2 c + \sqrt{2} \sqrt{(2 b^2 - 8 a c + a (3 a - b + 3 c - 4 a Cosh[2 x] + 4 c Cosh[2 x] + a Cosh[4 x] +
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b \, Cosh[4\,x] + c \, Cosh[4\,x]) + b \, (3\,a - b + 3\,c - 4\,a \, Cosh[2\,x] + 4\,c \, Cosh[2\,x] + a \, Cosh[4\,x] + b 
                                                                                                                                                                c \cosh[4x] + c (3a - b + 3c - 4a \cosh[2x] + 4c \cosh[2x] + a \cosh[4x] + b \cosh[4x] + c \cosh[4x] + c \cosh[4x])
b Cosh[4x] + c Cosh[4x]) + b (3a - b + 3c - 4a Cosh[2x] + 4c Cosh[2x] + a Cosh[4x] + b Cosh[4x] +
                                                                                                                                                                c \cosh[4x] + c (3a - b + 3c - 4a \cosh[2x] + 4c \cosh[2x] + a \cosh[4x] + b \cosh[4x] + c \cosh[4x])
 \sqrt{(3 \, a - b + 3 \, c - 4 \, (a - c) \, Cosh[2 \, x] \, + \, (a + b + c) \, Cosh[4 \, x]) \, Csch[x]^{\, 4}} \, - \, \left| \, a \, Cosh[2 \, x] \, + \, (a + b + c) \, Cosh[4 \, x] \, \right| \, degrees + \, (a + b + c) \, Cosh[4 \, x] \, degrees + \, (a + b + c) \, Cosh[4 \, x] \, degrees + \, (a + b + c) \, Cosh[4 \, x] \, degrees + \, (a + b + c) \, Cosh[4 \, x] \, degrees + \, (a + b + c) \, Cosh[4 \, x] \, degrees + \, (a + b + c) \, Cosh[4 \, x] \, degrees + \, (a + b + c) \, Cosh[4 \, x] \, degrees + \, (a + b + c) \, Cosh[4 \, x] \, degrees + \, (a + b + c) \, Cosh[4 \, x] \, degrees + \, (a + b + c) \, Cosh[4 \, x] \, degrees + \, (a + b + c) \, Cosh[4 \, x] \, degrees + \, (a + b + c) \, Cosh[4 \, x] \, degrees + \, (a + b + c) \, Cosh[4 \, x] \, degrees + \, (a + b + c) \, Cosh[4 \, x] \, degrees + \, (a + b + c) \, Cosh[4 \, x] \, degrees + \, (a + b + c) \, Cosh[4 \, x] \, degrees + \, (a + b + c) \, Cosh[4 \, x] \, degrees + \, (a + b + c) \, Cosh[4 \, x] \, degrees + \, (a + b + c) \, Cosh[4 \, x] \, degrees + \, (a + b + c) \, Cosh[4 \, x] \, degrees + \, (a + b + c) \, Cosh[4 \, x] \, degrees + \, (a + b + c) \, Cosh[4 \, x] \, degrees + \, (a + b + c) \, Cosh[4 \, x] \, degrees + \, (a + b + c) \, Cosh[4 \, x] \, degrees + \, (a + b + c) \, Cosh[4 \, x] \, degrees + \, (a + b + c) \, Cosh[4 \, x] \, degrees + \, (a + b + c) \, Cosh[4 \, x] \, degrees + \, (a + b + c) \, Cosh[4 \, x] \, degrees + \, (a + b + c) \, Cosh[4 \, x] \, degrees + \, (a + b + c) \, Cosh[4 \, x] \, degrees + \, (a + b + c) \, Cosh[4 \, x] \, degrees + \, (a + b + c) \, Cosh[4 \, x] \, degrees + \, (a + b + c) \, Cosh[4 \, x] \, degrees + \, (a + b + c) \, Cosh[4 \, x] \, degrees + \, (a + b + c) \, Cosh[4 \, x] \, degrees + \, (a + b + c) \, Cosh[4 \, x] \, degrees + \, (a + b + c) \, Cosh[4 \, x] \, degrees + \, (a + b + c) \, Cosh[4 \, x] \, degrees + \, (a + b + c) \, Cosh[4 \, x] \, degrees + \, (a + b + c) \, Cosh[4 \, x] \, degrees + \, (a + b + c) \, Cosh[4 \, x] \, degrees + \, (a + b + c) \, Cosh[4 \, x] \, degrees + \, (a + b + c) \, Cosh[4 \, x] \, degrees + \, (a + b + c) \, Cosh[4 \, x] \, degrees + \, (a + b + c) \, Cosh[4 \, x] \, degrees + \, (a + b + c) \, Cosh[4 \, x] \, degrees + \, (a + b + c) \, Cosh[4 \, x] \,
     (3 a - b + 3 c - 4 (a - c) Cosh[2x] + (a + b + c) Cosh[4x])
      2 \text{ a} \sqrt{3 \text{ a} - \text{b} + 3 \text{ c} - 4 \text{ a} \text{ Cosh}[2 \text{ x}] + 4 \text{ c} \text{ Cosh}[2 \text{ x}] + \text{a} \text{ Cosh}[4 \text{ x}] + \text{b} \text{ Cosh}[4 \text{ x}] + \text{c} \text{ Cosh}[4 \text{ x}]}
                        2\ b\ \sqrt{3\ a-b+3\ c-4\ a\ Cosh[2\ x]\ +4\ c\ Cosh[2\ x]\ +a\ Cosh[4\ x]\ +b\ Cosh[4\ x]\ +c\ Cosh[4\ x]\ +c\
                          2 c \sqrt{3 a - b + 3 c - 4 a Cosh[2 x] + 4 c Cosh[2 x] + a Cosh[4 x] + b Cosh[4 x] + c Cosh[4 x]}
 \sqrt{\left(\frac{1}{a+b+a}\left(4\,a+2\,b+\sqrt{2}\,\sqrt{\left(2\,b^2-8\,a\,c+a\,\left(3\,a-b+3\,c-4\,a\,Cosh[2\,x]+4\,c\,Cosh[2\,x]+a\,Cosh[4\,x]+b\,Cosh[4\,x]\right)\right)}\right)}
                                                                                                                                                     \verb| c Cosh[4x]| + b (3a - b + 3c - 4a Cosh[2x] + 4c Cosh[2x] + a Cosh[4x] + b Cosh[4x] + c Cosh[4x]) + c Cosh[4x] + c Co
                                                                                                               c (3 a - b + 3 c - 4 a Cosh[2 x] + 4 c Cosh[2 x] + a Cosh[4 x] + b Cosh[4 x] + c Cosh[4 x]))
 Csch[x]^2
                      \frac{1}{\sqrt{2}} \operatorname{ArcTanh} \left[ \left( (2 \text{ a} + \text{b}) \sqrt{3 \text{ a} - \text{b} + 3 \text{ c} - 4 \text{ a} \operatorname{Cosh}[2 \text{ x}] + 4 \text{ c} \operatorname{Cosh}[4 \text{ x}] + \operatorname{b} \operatorname{Cosh}[4 \text{ x}] + \operatorname{b} \operatorname{Cosh}[4 \text{ x}] + \operatorname{c} \operatorname{Cosh}[4 \text{ x}] \right] \right) / (1 + \operatorname{cosh}[4 \text{ x}] + \operatorname{cosh}[4
                                                                2\sqrt{a}\sqrt{(2b^2-8ac+a(3a-b+3c-4aCosh[2x]+4cCosh[2x]+aCosh[4x]+bCosh[4x]+cCosh[4x])}
                                                                                                                            \texttt{b} \; ( \; \texttt{3} \; \texttt{a} \; - \; \texttt{b} \; + \; \texttt{3} \; \texttt{c} \; - \; \texttt{4} \; \texttt{a} \; \texttt{Cosh}[ \; \texttt{2} \; \texttt{x} ] \; + \; \texttt{4} \; \texttt{c} \; \texttt{Cosh}[ \; \texttt{2} \; \texttt{x} ] \; + \; \texttt{a} \; \texttt{Cosh}[ \; \texttt{4} \; \texttt{x} ] \; + \; \texttt{b} \; \texttt{Cosh}[ \; \texttt{4} \; \texttt{x} ] \; + \; \texttt{c} \; \texttt{Cosh}[ \; \texttt{4} \; \texttt{x} ] \; ) \; + \; \texttt{c} \; \texttt{cosh}[ \; \texttt{4} \; \texttt{x} ] \; + \; \texttt{c} \; \texttt{cosh}[ \; \texttt{4} \; \texttt{x} ] \; ) \; + \; \texttt{cosh}[ \; \texttt{4} \; \texttt{x} ] \; + \; \texttt{cosh}[ \; \texttt{4} \; \texttt{x} ] \; + \; \texttt{cosh}[ \; \texttt{4} \; \texttt{x} ] \; + \; \texttt{cosh}[ \; \texttt{4} \; \texttt{x} ] \; ) \; + \; \texttt{cosh}[ \; \texttt{4} \; \texttt{x} ] \; + \; \texttt{cosh}[ \; \texttt{4} \; \texttt{x} ] \; + \; \texttt{cosh}[ \; \texttt{4} \; \texttt{x} ] \; ) \; + \; \texttt{cosh}[ \; \texttt{4} \; \texttt{x} ] \; + \; \texttt{cosh}[ \; \texttt{4} \; \texttt{x} ] \; + \; \texttt{cosh}[ \; \texttt{4} \; \texttt{x} ] \; + \; \texttt{cosh}[ \; \texttt{4} \; \texttt{x} ] \; + \; \texttt{cosh}[ \; \texttt{4} \; \texttt{x} ] \; + \; \texttt{cosh}[ \; \texttt{4} \; \texttt{x} ] \; + \; \texttt{cosh}[ \; \texttt{4} \; \texttt{x} ] \; + \; \texttt{cosh}[ \; \texttt{4} \; \texttt{x} ] \; + \; \texttt{cosh}[ \; \texttt{4} \; \texttt{x} ] \; + \; \texttt{cosh}[ \; \texttt{4} \; \texttt{x} ] \; + \; \texttt{cosh}[ \; \texttt{4} \; \texttt{x} ] \; + \; \texttt{cosh}[ \; \texttt{4} \; \texttt{x} ] \; + \; \texttt{cosh}[ \; \texttt{4} \; \texttt{x} ] \; + \; \texttt{cosh}[ \; \texttt{4} \; \texttt{x} ] \; + \; \texttt{cosh}[ \; \texttt{4} \; \texttt{x} ] \; + \; \texttt{cosh}[ \; \texttt{4} \; \texttt{x} ] \; + \; \texttt{cosh}[ \; \texttt{4} \; \texttt{x} ] \; + \; \texttt{cosh}[ \; \texttt{4} \; \texttt{x} ] \; + \; \texttt{cosh}[ \; \texttt{4} \; \texttt{x} ] \; + \; \texttt{cosh}[ \; \texttt{4} \; \texttt{x} ] \; + \; \texttt{cosh}[ \; \texttt{4} \; \texttt{x} ] \; + \; \texttt{cosh}[ \; \texttt{4} \; \texttt{x} ] \; + \; \texttt{cosh}[ \; \texttt{4} \; \texttt{x} ] \; + \; \texttt{cosh}[ \; \texttt{4} \; \texttt{x} ] \; + \; \texttt{cosh}[ \; \texttt{4} \; \texttt{x} ] \; + \; \texttt{cosh}[ \; \texttt{4} \; \texttt{x} ] \; + \; \texttt{cosh}[ \; \texttt{4} \; \texttt{x} ] \; + \; \texttt{cosh}[ \; \texttt{4} \; \texttt{x} ] \; + \; \texttt{cosh}[ \; \texttt{4} \; \texttt{x} ] \; + \; \texttt{cosh}[ \; \texttt{4} \; \texttt{x} ] \; + \; \texttt{cosh}[ \; \texttt{4} \; \texttt{x} ] \; + \; \texttt{cosh}[ \; \texttt{4} \; \texttt{x} ] \; + \; \texttt{cosh}[ \; \texttt{4} \; \texttt{x} ] \; + \; \texttt{cosh}[ \; \texttt{4} \; \texttt{x} ] \; + \; \texttt{cosh}[ \; \texttt{4} \; \texttt{x} ] \; + \; \texttt{cosh}[ \; \texttt{4} \; \texttt{x} ] \; + \; \texttt{cosh}[ \; \texttt{4} \; \texttt{x} ] \; + \; \texttt{cosh}[ \; \texttt{4} \; \texttt{x} ] \; + \; \texttt{cosh}[ \; \texttt{4} \; \texttt{x} ] \; + \; \texttt{cosh}[ \; \texttt{4} \; \texttt{x} ] \; + \; \texttt{cosh}[ \; \texttt{4} \; \texttt{x} ] \; + \; \texttt{cosh}[ \; \texttt{4} \; \texttt{x} ] \; + \; \texttt{cosh}[ \; \texttt{4} \; \texttt{x} ] \; + \; \texttt{cosh}[ \; \texttt{4} \; \texttt{x} ] \; + \; \texttt{cosh}[ \; \texttt{4} \; \texttt{x} ] \; + \; \texttt{cosh}[ \; \texttt{4} \; \texttt{x} ] \; + \; \texttt{cosh}[ \; \texttt{4} \; \texttt{x} ] \; + \; \texttt{cosh}[ \; \texttt{4}
                                                                                                                             c(3a-b+3c-4aCosh[2x]+4cCosh[2x]+aCosh[4x]+bCosh[4x]+cCosh[4x])))
                          \frac{1}{\sqrt{a+b+c}} 2 \log \left[ 2 \left( a \sqrt{3 a-b+3 c-4 a \cosh[2 x]+4 c \cosh[2 x]+a \cosh[4 x]+b \cosh[4 x]+b \cosh[4 x]+c \cosh[4 x]} \right. \right.
                                                                                                   b\,\sqrt{\,3\,\,a\,-\,b\,+\,3\,\,c\,-\,4\,\,a\,\,Cosh[\,2\,\,x\,]\,\,+\,4\,\,c\,\,Cosh[\,2\,\,x\,]\,\,+\,a\,\,Cosh[\,4\,\,x\,]\,\,+\,b\,\,Cosh[\,4\,\,x\,]\,\,+\,c\,\,Cosh[\,4\,\,x\,]\,\,+\,c\,\,Cosh[\,4\,\,x\,]\,\,+\,c\,\,Cosh[\,4\,\,x\,]\,\,+\,c\,\,Cosh[\,4\,\,x\,]\,\,+\,c\,\,Cosh[\,4\,\,x\,]\,\,+\,c\,\,Cosh[\,4\,\,x\,]\,\,+\,c\,\,Cosh[\,4\,\,x\,]\,\,+\,c\,\,Cosh[\,4\,\,x\,]\,\,+\,c\,\,Cosh[\,4\,\,x\,]\,\,+\,c\,\,Cosh[\,4\,\,x\,]\,\,+\,c\,\,Cosh[\,4\,\,x\,]\,\,+\,c\,\,Cosh[\,4\,\,x\,]\,\,+\,c\,\,Cosh[\,4\,\,x\,]\,\,+\,c\,\,Cosh[\,4\,\,x\,]\,\,+\,c\,\,Cosh[\,4\,\,x\,]\,\,+\,c\,\,Cosh[\,4\,\,x\,]\,\,+\,c\,\,Cosh[\,4\,\,x\,]\,\,+\,c\,\,Cosh[\,4\,\,x\,]\,\,+\,c\,\,Cosh[\,4\,\,x\,]\,\,+\,c\,\,Cosh[\,4\,\,x\,]\,\,+\,c\,\,Cosh[\,4\,\,x\,]\,\,+\,c\,\,Cosh[\,4\,\,x\,]\,\,+\,c\,\,Cosh[\,4\,\,x\,]\,\,+\,c\,\,Cosh[\,4\,\,x\,]\,\,+\,c\,\,Cosh[\,4\,\,x\,]\,\,+\,c\,\,Cosh[\,4\,\,x\,]\,\,+\,c\,\,Cosh[\,4\,\,x\,]\,\,+\,c\,\,Cosh[\,4\,\,x\,]\,\,+\,c\,\,Cosh[\,4\,\,x\,]\,\,+\,c\,\,Cosh[\,4\,\,x\,]\,\,+\,c\,\,Cosh[\,4\,\,x\,]\,\,+\,c\,\,Cosh[\,4\,\,x\,]\,\,+\,c\,\,Cosh[\,4\,\,x\,]\,\,+\,c\,\,Cosh[\,4\,\,x\,]\,\,+\,c\,\,Cosh[\,4\,\,x\,]\,\,+\,c\,\,Cosh[\,4\,\,x\,]\,\,+\,c\,\,Cosh[\,4\,\,x\,]\,\,+\,c\,\,Cosh[\,4\,\,x\,]\,\,+\,c\,\,Cosh[\,4\,\,x\,]\,\,+\,c\,\,Cosh[\,4\,\,x\,]\,\,+\,c\,\,Cosh[\,4\,\,x\,]\,\,+\,c\,\,Cosh[\,4\,\,x\,]\,\,+\,c\,\,Cosh[\,4\,\,x\,]\,\,+\,c\,\,Cosh[\,4\,\,x\,]\,\,+\,c\,\,Cosh[\,4\,\,x\,]\,\,+\,c\,\,Cosh[\,4\,\,x\,]\,\,+\,c\,\,Cosh[\,4\,\,x\,]\,\,+\,c\,\,Cosh[\,4\,\,x\,]\,\,+\,c\,\,Cosh[\,4\,\,x\,]\,\,+\,c\,\,Cosh[\,4\,\,x\,]\,\,+\,c\,\,Cosh[\,4\,\,x\,]\,\,+\,c\,\,Cosh[\,4\,\,x\,]\,\,+\,c\,\,Cosh[\,4\,\,x\,]\,\,+\,c\,\,Cosh[\,4\,\,x\,]\,\,+\,c\,\,Cosh[\,4\,\,x\,]\,\,+\,c\,\,Cosh[\,4\,\,x\,]\,\,+\,c\,\,Cosh[\,4\,\,x\,]\,\,+\,c\,\,Cosh[\,4\,\,x\,]\,\,+\,c\,\,Cosh[\,4\,\,x\,]\,\,+\,c\,\,Cosh[\,4\,\,x\,]\,\,+\,c\,\,Cosh[\,4\,\,x\,]\,\,+\,c\,\,Cosh[\,4\,\,x\,]\,\,+\,c\,\,Cosh[\,4\,\,x\,]\,\,+\,c\,\,Cosh[\,4\,\,x\,]\,\,+\,c\,\,Cosh[\,4\,\,x\,]\,\,+\,c\,\,Cosh[\,4\,\,x\,]\,\,+\,c\,\,Cosh[\,4\,\,x\,]\,\,+\,c\,\,Cosh[\,4\,\,x\,]\,\,+\,c\,\,Cosh[\,4\,\,x\,]\,\,+\,c\,\,Cosh[\,4\,\,x\,]\,\,+\,c\,\,Cosh[\,4\,\,x\,]\,\,+\,c\,\,Cosh[\,4\,\,x\,]\,\,+\,c\,\,Cosh[\,4\,\,x\,]\,\,+\,c\,\,Cosh[\,4\,\,x\,]\,\,+\,c\,\,Cosh[\,4\,\,x\,]\,\,+\,c\,\,Cosh[\,4\,\,x\,]\,\,+\,c\,\,Cosh[\,4\,\,x\,]\,\,+\,c\,\,Cosh[\,4\,\,x\,]\,\,+\,c\,\,Cosh[\,4\,\,x\,]\,\,+\,c\,\,Cosh[\,4\,\,x\,]\,\,+\,c\,\,Cosh[\,4\,\,x\,]\,\,+\,c\,\,Cosh[\,4\,\,x\,]\,\,+\,c\,\,Cosh[\,4\,\,x\,]\,\,+\,c\,\,Cosh[\,4\,\,x\,]\,\,+\,c\,\,Cosh[\,4\,\,x\,]\,\,+\,c\,\,Cosh[\,4\,\,x\,]\,\,+\,c\,\,Cosh[\,4\,\,x\,]\,\,+\,c\,\,Cosh[\,4\,\,x\,]\,\,+\,c\,\,Cosh[\,4\,\,x\,]\,\,+\,c\,\,Cosh[\,4\,\,x\,]\,\,+\,c\,\,Cosh[\,4\,\,x\,]\,\,+\,c\,\,Cosh[\,4\,\,x\,]\,\,+\,c\,\,Cosh[\,4\,\,x\,]\,\,+\,c\,\,Cosh[\,4\,\,x\,]\,\,+\,c\,\,Cosh[\,4\,\,x\,]\,\,+\,c\,\,Cosh[\,4\,\,x\,]\,\,+\,c\,\,Cosh[\,4\,\,x\,]\,\,+\,c\,\,Cosh[\,4\,\,x\,]\,\,+\,c\,\,Cosh[\,4\,\,x\,]\,\,+\,c\,\,Cosh[\,4\,\,x\,]\,\,+\,c\,\,Cosh[\,4\,\,x\,]\,\,+\,c\,\,Cosh[\,4\,\,x\,]\,\,+\,c
                                                                                                                 \sqrt{3} a - b + 3 c - 4 a Cosh[2 x] + 4 c Cosh[2 x] + a Cosh[4 x] + b Cosh[4 x] + c Cosh[4 x] + \sqrt{a + b + c}
                                                                                                                 \sqrt{(2b^2 - 8ac + a(3a - b + 3c - 4aCosh[2x] + 4cCosh[2x] + aCosh[4x] + bCosh[4x] + cCosh[4x])}
                                                                                                                                                    b\ (3\ a-b+3\ c-4\ a\ Cosh[\ 2\ x]\ +\ d\ Cosh[\ 2\ x]\ +\ a\ Cosh[\ 4\ x]\ +\ b\ Cosh[\ 4\ x]\ +\ c\ Cosh[\ 4\ x]\ )\ +\ c\ Cosh[\ 4\ x]\ )
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 \texttt{c} \; (3 \; \texttt{a} - \texttt{b} + 3 \; \texttt{c} - 4 \; \texttt{a} \; \texttt{Cosh}[2 \; \texttt{x}] \; + 4 \; \texttt{c} \; \texttt{Cosh}[2 \; \texttt{x}] \; + \\ \texttt{a} \; \texttt{Cosh}[4 \; \texttt{x}] \; + \\ \texttt{b} \; \texttt{Cosh}[4 \; \texttt{x}] \; + \\ \texttt{c} \; \texttt{Cosh}[4 \; \texttt{x}] \; + \\ \texttt{d} \; \texttt{c} \; \texttt{cosh}[4 \; \texttt{x}] \; + \\ \texttt{d} \; \texttt{
                                                                                                                                                                                                                                                                                                              a Coth[2x] Sinh[x]^2
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        a \operatorname{Csch}[2x] \operatorname{Sinh}[x]^2
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   \sqrt{3 a - b + 3 c - 4 (a - c) \cosh[2 x] + (a + b + c) \cosh[4 x]}
                                           \sqrt{3 a - b + 3 c - 4 (a - c) \cosh[2 x] + (a + b + c) \cosh[4 x]}
                                                                                                                                                                                                                                                                                                                             b Csch[2x] Sinh[x]
                                                                \sqrt{3 a - b + 3 c - 4 (a - c) \cosh[2 x] + (a + b + c) \cosh[4 x]}
                         (-4 \text{ a Sinh}[2 \text{ x}] + 4 \text{ c Sinh}[2 \text{ x}] + 2 \text{ a Sinh}[4 \text{ x}] + 2 \text{ b Sinh}[4 \text{ x}] + 2 \text{ c Sinh}[4 \text{ x}])
                         (a (-8 a Sinh[2 x] + 8 c Sinh[2 x] + 4 a Sinh[4 x] + 4 b Sinh[4 x] + 4 c Sinh[4 x]) + 4 c
                                                        b(-8 a Sinh[2x] + 8 c Sinh[2x] + 4 a Sinh[4x] + 4 b Sinh[4x] + 4 c Sinh[4x]) +
                                                       \texttt{c} \; \left( -8 \; \texttt{a} \; \texttt{Sinh} [\, 2 \; \texttt{x} \,] \; + \; 8 \; \texttt{c} \; \texttt{Sinh} [\, 2 \; \texttt{x} \,] \; + \; 4 \; \texttt{a} \; \texttt{Sinh} [\, 4 \; \texttt{x} \,] \; + \; 4 \; \texttt{b} \; \texttt{Sinh} [\, 4 \; \texttt{x} \,] \; + \; 4 \; \texttt{c} \; \texttt{Sinh} [\, 4 \; \texttt{x} \,] \; \right) 
64 \; (-a+b+a \; Cosh[2 \; x] \;) \; \sqrt{3} \; a-b+3 \; c-4 \; a \; Cosh[2 \; x] \; +4 \; c \; Cosh[2 \; x] \; +a \; Cosh[4 \; x] \; +b \; Cosh[4 \; x] \; +c \; Cosh[4 
                       \left(2\,b^{2}\,-\,8\,a\,c\,+\,a\,\left(3\,a\,-\,b\,+\,3\,c\,-\,4\,a\,Cosh\left[\,2\,x\,\right]\,+\,4\,c\,Cosh\left[\,2\,x\,\right]\,+\,a\,Cosh\left[\,4\,x\,\right]\,+\,b\,Cosh\left[\,4\,x\,\right]\,+\,c\,Cosh\left[\,4\,x\,\right]\,+\,c\,Cosh\left[\,4\,x\,\right]\,+\,c\,Cosh\left[\,4\,x\,\right]\,+\,c\,Cosh\left[\,4\,x\,\right]\,+\,c\,Cosh\left[\,4\,x\,\right]\,+\,c\,Cosh\left[\,4\,x\,\right]\,+\,c\,Cosh\left[\,4\,x\,\right]\,+\,c\,Cosh\left[\,4\,x\,\right]\,+\,c\,Cosh\left[\,4\,x\,\right]\,+\,c\,Cosh\left[\,4\,x\,\right]\,+\,c\,Cosh\left[\,4\,x\,\right]\,+\,c\,Cosh\left[\,4\,x\,\right]\,+\,c\,Cosh\left[\,4\,x\,\right]\,+\,c\,Cosh\left[\,4\,x\,\right]\,+\,c\,Cosh\left[\,4\,x\,\right]\,+\,c\,Cosh\left[\,4\,x\,\right]\,+\,c\,Cosh\left[\,4\,x\,\right]\,+\,c\,Cosh\left[\,4\,x\,\right]\,+\,c\,Cosh\left[\,4\,x\,\right]\,+\,c\,Cosh\left[\,4\,x\,\right]\,+\,c\,Cosh\left[\,4\,x\,\right]\,+\,c\,Cosh\left[\,4\,x\,\right]\,+\,c\,Cosh\left[\,4\,x\,\right]\,+\,c\,Cosh\left[\,4\,x\,\right]\,+\,c\,Cosh\left[\,4\,x\,\right]\,+\,c\,Cosh\left[\,4\,x\,\right]\,+\,c\,Cosh\left[\,4\,x\,\right]\,+\,c\,Cosh\left[\,4\,x\,\right]\,+\,c\,Cosh\left[\,4\,x\,\right]\,+\,c\,Cosh\left[\,4\,x\,\right]\,+\,c\,Cosh\left[\,4\,x\,\right]\,+\,c\,Cosh\left[\,4\,x\,\right]\,+\,c\,Cosh\left[\,4\,x\,\right]\,+\,c\,Cosh\left[\,4\,x\,\right]\,+\,c\,Cosh\left[\,4\,x\,\right]\,+\,c\,Cosh\left[\,4\,x\,\right]\,+\,c\,Cosh\left[\,4\,x\,\right]\,+\,c\,Cosh\left[\,4\,x\,\right]\,+\,c\,Cosh\left[\,4\,x\,\right]\,+\,c\,Cosh\left[\,4\,x\,\right]\,+\,c\,Cosh\left[\,4\,x\,\right]\,+\,c\,Cosh\left[\,4\,x\,\right]\,+\,c\,Cosh\left[\,4\,x\,\right]\,+\,c\,Cosh\left[\,4\,x\,\right]\,+\,c\,Cosh\left[\,4\,x\,\right]\,+\,c\,Cosh\left[\,4\,x\,\right]\,+\,c\,Cosh\left[\,4\,x\,\right]\,+\,c\,Cosh\left[\,4\,x\,\right]\,+\,c\,Cosh\left[\,4\,x\,\right]\,+\,c\,Cosh\left[\,4\,x\,\right]\,+\,c\,Cosh\left[\,4\,x\,\right]\,+\,c\,Cosh\left[\,4\,x\,\right]\,+\,c\,Cosh\left[\,4\,x\,\right]\,+\,c\,Cosh\left[\,4\,x\,\right]\,+\,c\,Cosh\left[\,4\,x\,\right]\,+\,c\,Cosh\left[\,4\,x\,\right]\,+\,c\,Cosh\left[\,4\,x\,\right]\,+\,c\,Cosh\left[\,4\,x\,\right]\,+\,c\,Cosh\left[\,4\,x\,\right]\,+\,c\,Cosh\left[\,4\,x\,\right]\,+\,c\,Cosh\left[\,4\,x\,\right]\,+\,c\,Cosh\left[\,4\,x\,\right]\,+\,c\,Cosh\left[\,4\,x\,\right]\,+\,c\,Cosh\left[\,4\,x\,\right]\,+\,c\,Cosh\left[\,4\,x\,\right]\,+\,c\,Cosh\left[\,4\,x\,\right]\,+\,c\,Cosh\left[\,4\,x\,\right]\,+\,c\,Cosh\left[\,4\,x\,\right]\,+\,c\,Cosh\left[\,4\,x\,\right]\,+\,c\,Cosh\left[\,4\,x\,\right]\,+\,c\,Cosh\left[\,4\,x\,\right]\,+\,c\,Cosh\left[\,4\,x\,\right]\,+\,c\,Cosh\left[\,4\,x\,\right]\,+\,c\,Cosh\left[\,4\,x\,\right]\,+\,c\,Cosh\left[\,4\,x\,\right]\,+\,c\,Cosh\left[\,4\,x\,\right]\,+\,c\,Cosh\left[\,4\,x\,\right]\,+\,c\,Cosh\left[\,4\,x\,\right]\,+\,c\,Cosh\left[\,4\,x\,\right]\,+\,c\,Cosh\left[\,4\,x\,\right]\,+\,c\,Cosh\left[\,4\,x\,\right]\,+\,c\,Cosh\left[\,4\,x\,\right]\,+\,c\,Cosh\left[\,4\,x\,\right]\,+\,c\,Cosh\left[\,4\,x\,\right]\,+\,c\,Cosh\left[\,4\,x\,\right]\,+\,c\,Cosh\left[\,4\,x\,\right]\,+\,c\,Cosh\left[\,4\,x\,\right]\,+\,c\,Cosh\left[\,4\,x\,\right]\,+\,c\,Cosh\left[\,4\,x\,\right]\,+\,c\,Cosh\left[\,4\,x\,\right]\,+\,c\,Cosh\left[\,4\,x\,\right]\,+\,c\,Cosh\left[\,4\,x\,\right]\,+\,c\,Cosh\left[\,4\,x\,\right]\,+\,c\,Cosh\left[\,4\,x\,\right]\,+\,c\,Cosh\left[\,4\,x\,\right]\,+\,c\,Cosh\left[\,4\,x\,\right]\,+\,c\,Cosh\left[\,4\,x\,\right]\,+\,c\,Cosh\left[\,4\,x\,\right]\,+\,c\,Cosh\left[\,4\,x\,\right]\,+\,c\,Cosh\left[\,4\,x\,\right]\,+\,c\,Cosh\left[\,4\,x\,\right]\,+\,c\,Cosh\left[\,4\,x\,\right]\,+\,c\,Cosh\left[\,4\,x\,\right]\,+\,c\,Cosh\left[\,4\,x\,\right]\,+\,c\,Cosh\left[\,4\,x\,\right]\,+\,c\,Cosh\left[\,4\,x\,\right]\,+\,c\,Cosh\left[\,4\,x\,\right]\,+\,c\,
                                                                         \texttt{b} \; ( \; \texttt{3} \; \texttt{a} \; - \; \texttt{b} \; + \; \texttt{3} \; \texttt{c} \; - \; \texttt{4} \; \texttt{a} \; \texttt{Cosh} [ \; \texttt{2} \; \texttt{x} ] \; + \; \texttt{4} \; \texttt{c} \; \texttt{Cosh} [ \; \texttt{2} \; \texttt{x} ] \; + \; \texttt{a} \; \texttt{Cosh} [ \; \texttt{4} \; \texttt{x} ] \; + \; \texttt{b} \; \texttt{Cosh} [ \; \texttt{4} \; \texttt{x} ] \; + \; \texttt{c} \; \texttt{Cosh} [ \; \texttt{4} \; \texttt{x} ] \; ) \; + \; \texttt{cosh} [ \; \texttt{4} \; \texttt{x} ] \; + \; \texttt{cosh} [ \; \texttt{4} \; \texttt{x} ] \; + \; \texttt{cosh} [ \; \texttt{4} \; \texttt{x} ] \; + \; \texttt{cosh} [ \; \texttt{4} \; \texttt{x} ] \; + \; \texttt{cosh} [ \; \texttt{4} \; \texttt{x} ] \; + \; \texttt{cosh} [ \; \texttt{4} \; \texttt{x} ] \; + \; \texttt{cosh} [ \; \texttt{4} \; \texttt{x} ] \; + \; \texttt{cosh} [ \; \texttt{4} \; \texttt{x} ] \; + \; \texttt{cosh} [ \; \texttt{4} \; \texttt{x} ] \; + \; \texttt{cosh} [ \; \texttt{4} \; \texttt{x} ] \; + \; \texttt{cosh} [ \; \texttt{4} \; \texttt{x} ] \; + \; \texttt{cosh} [ \; \texttt{4} \; \texttt{x} ] \; + \; \texttt{cosh} [ \; \texttt{4} \; \texttt{x} ] \; + \; \texttt{cosh} [ \; \texttt{4} \; \texttt{x} ] \; + \; \texttt{cosh} [ \; \texttt{4} \; \texttt{x} ] \; + \; \texttt{cosh} [ \; \texttt{4} \; \texttt{x} ] \; + \; \texttt{cosh} [ \; \texttt{4} \; \texttt{x} ] \; + \; \texttt{cosh} [ \; \texttt{4} \; \texttt{x} ] \; + \; \texttt{cosh} [ \; \texttt{4} \; \texttt{x} ] \; + \; \texttt{cosh} [ \; \texttt{4} \; \texttt{x} ] \; + \; \texttt{cosh} [ \; \texttt{4} \; \texttt{x} ] \; + \; \texttt{cosh} [ \; \texttt{4} \; \texttt{x} ] \; + \; \texttt{cosh} [ \; \texttt{4} \; \texttt{x} ] \; + \; \texttt{cosh} [ \; \texttt{4} \; \texttt{x} ] \; + \; \texttt{cosh} [ \; \texttt{4} \; \texttt{x} ] \; + \; \texttt{cosh} [ \; \texttt{4} \; \texttt{x} ] \; + \; \texttt{cosh} [ \; \texttt{4} \; \texttt{x} ] \; + \; \texttt{cosh} [ \; \texttt{4} \; \texttt{x} ] \; + \; \texttt{cosh} [ \; \texttt{4} \; \texttt{x} ] \; + \; \texttt{cosh} [ \; \texttt{4} \; \texttt{x} ] \; + \; \texttt{cosh} [ \; \texttt{4} \; \texttt{x} ] \; + \; \texttt{cosh} [ \; \texttt{4} \; \texttt{x} ] \; + \; \texttt{cosh} [ \; \texttt{4} \; \texttt{x} ] \; + \; \texttt{cosh} [ \; \texttt{4} \; \texttt{x} ] \; + \; \texttt{cosh} [ \; \texttt{4} \; \texttt{x} ] \; + \; \texttt{cosh} [ \; \texttt{4} \; \texttt{x} ] \; + \; \texttt{cosh} [ \; \texttt{4} \; \texttt{x} ] \; + \; \texttt{cosh} [ \; \texttt{4} \; \texttt{x} ] \; + \; \texttt{cosh} [ \; \texttt{4} \; \texttt{x} ] \; + \; \texttt{cosh} [ \; \texttt{4} \; \texttt{x} ] \; + \; \texttt{cosh} [ \; \texttt{4} \; \texttt{x} ] \; + \; \texttt{cosh} [ \; \texttt{4} \; \texttt{x} ] \; + \; \texttt{cosh} [ \; \texttt{4} \; \texttt{x} ] \; + \; \texttt{cosh} [ \; \texttt{4} \; \texttt{x} ] \; + \; \texttt{cosh} [ \; \texttt{4} \; \texttt{x} ] \; + \; \texttt{cosh} [ \; \texttt{4} \; \texttt{x} ] \; + \; \texttt{cosh} [ \; \texttt{4} \; \texttt{x} ] \; + \; \texttt{cosh} [ \; \texttt{4} \; \texttt{x} ] \; + \; \texttt{cosh} [ \; \texttt{4} \; \texttt{x} ] \; + \; \texttt{cosh} [ \; \texttt{4} \; \texttt{x} ] \; + \; \texttt{cosh} [ \; \texttt{4} \; \texttt{x} ] \; + \; \texttt{cosh} [ \; \texttt{4} \; \texttt{x} ] \; + \; \texttt{cosh} [ \; \texttt{4} \; \texttt{x} ] \; + \; \texttt{cosh} [ \; \texttt{4} \; \texttt{x} ] \; + \; \texttt{cosh} [ \; \texttt{4} \; \texttt{x} ] \; + \; \texttt{cosh} [ \; 
                                                                              \texttt{c} \; \left( \; 3 \; \texttt{a} \; - \; \texttt{b} \; + \; 3 \; \texttt{c} \; - \; 4 \; \texttt{a} \; \texttt{Cosh}[\; 2 \; \texttt{x} \; ] \; + \; 4 \; \texttt{c} \; \texttt{Cosh}[\; 2 \; \texttt{x} \; ] \; + \; \texttt{a} \; \texttt{Cosh}[\; 4 \; \texttt{x} \; ] \; + \; \texttt{b} \; \texttt{Cosh}[\; 4 \; \texttt{x} \; ] \; \right) \; \right)^{3/2} 
                    \sqrt{\left(\frac{1}{a+b+c}\left(-2\,b-4\,c+\sqrt{2}\,\sqrt{\left(2\,b^2-8\,a\,c+a\,\left(3\,a-b+3\,c-4\,a\,Cosh\left[2\,x\right]+4\,c\,Cosh\left[2\,x\right]+a\,Cosh\left[4\,x\right]+b\,Cosh\left[4\,x\right]+b\,Cosh\left[4\,x\right]+b\,Cosh\left[4\,x\right]+b\,Cosh\left[4\,x\right]+b\,Cosh\left[4\,x\right]+b\,Cosh\left[4\,x\right]+b\,Cosh\left[4\,x\right]+b\,Cosh\left[4\,x\right]+b\,Cosh\left[4\,x\right]+b\,Cosh\left[4\,x\right]+b\,Cosh\left[4\,x\right]+b\,Cosh\left[4\,x\right]+b\,Cosh\left[4\,x\right]+b\,Cosh\left[4\,x\right]+b\,Cosh\left[4\,x\right]+b\,Cosh\left[4\,x\right]+b\,Cosh\left[4\,x\right]+b\,Cosh\left[4\,x\right]+b\,Cosh\left[4\,x\right]+b\,Cosh\left[4\,x\right]+b\,Cosh\left[4\,x\right]+b\,Cosh\left[4\,x\right]+b\,Cosh\left[4\,x\right]+b\,Cosh\left[4\,x\right]+b\,Cosh\left[4\,x\right]+b\,Cosh\left[4\,x\right]+b\,Cosh\left[4\,x\right]+b\,Cosh\left[4\,x\right]+b\,Cosh\left[4\,x\right]+b\,Cosh\left[4\,x\right]+b\,Cosh\left[4\,x\right]+b\,Cosh\left[4\,x\right]+b\,Cosh\left[4\,x\right]+b\,Cosh\left[4\,x\right]+b\,Cosh\left[4\,x\right]+b\,Cosh\left[4\,x\right]+b\,Cosh\left[4\,x\right]+b\,Cosh\left[4\,x\right]+b\,Cosh\left[4\,x\right]+b\,Cosh\left[4\,x\right]+b\,Cosh\left[4\,x\right]+b\,Cosh\left[4\,x\right]+b\,Cosh\left[4\,x\right]+b\,Cosh\left[4\,x\right]+b\,Cosh\left[4\,x\right]+b\,Cosh\left[4\,x\right]+b\,Cosh\left[4\,x\right]+b\,Cosh\left[4\,x\right]+b\,Cosh\left[4\,x\right]+b\,Cosh\left[4\,x\right]+b\,Cosh\left[4\,x\right]+b\,Cosh\left[4\,x\right]+b\,Cosh\left[4\,x\right]+b\,Cosh\left[4\,x\right]+b\,Cosh\left[4\,x\right]+b\,Cosh\left[4\,x\right]+b\,Cosh\left[4\,x\right]+b\,Cosh\left[4\,x\right]+b\,Cosh\left[4\,x\right]+b\,Cosh\left[4\,x\right]+b\,Cosh\left[4\,x\right]+b\,Cosh\left[4\,x\right]+b\,Cosh\left[4\,x\right]+b\,Cosh\left[4\,x\right]+b\,Cosh\left[4\,x\right]+b\,Cosh\left[4\,x\right]+b\,Cosh\left[4\,x\right]+b\,Cosh\left[4\,x\right]+b\,Cosh\left[4\,x\right]+b\,Cosh\left[4\,x\right]+b\,Cosh\left[4\,x\right]+b\,Cosh\left[4\,x\right]+b\,Cosh\left[4\,x\right]+b\,Cosh\left[4\,x\right]+b\,Cosh\left[4\,x\right]+b\,Cosh\left[4\,x\right]+b\,Cosh\left[4\,x\right]+b\,Cosh\left[4\,x\right]+b\,Cosh\left[4\,x\right]+b\,Cosh\left[4\,x\right]+b\,Cosh\left[4\,x\right]+b\,Cosh\left[4\,x\right]+b\,Cosh\left[4\,x\right]+b\,Cosh\left[4\,x\right]+b\,Cosh\left[4\,x\right]+b\,Cosh\left[4\,x\right]+b\,Cosh\left[4\,x\right]+b\,Cosh\left[4\,x\right]+b\,Cosh\left[4\,x\right]+b\,Cosh\left[4\,x\right]+b\,Cosh\left[4\,x\right]+b\,Cosh\left[4\,x\right]+b\,Cosh\left[4\,x\right]+b\,Cosh\left[4\,x\right]+b\,Cosh\left[4\,x\right]+b\,Cosh\left[4\,x\right]+b\,Cosh\left[4\,x\right]+b\,Cosh\left[4\,x\right]+b\,Cosh\left[4\,x\right]+b\,Cosh\left[4\,x\right]+b\,Cosh\left[4\,x\right]+b\,Cosh\left[4\,x\right]+b\,Cosh\left[4\,x\right]+b\,Cosh\left[4\,x\right]+b\,Cosh\left[4\,x\right]+b\,Cosh\left[4\,x\right]+b\,Cosh\left[4\,x\right]+b\,Cosh\left[4\,x\right]+b\,Cosh\left[4\,x\right]+b\,Cosh\left[4\,x\right]+b\,Cosh\left[4\,x\right]+b\,Cosh\left[4\,x\right]+b\,Cosh\left[4\,x\right]+b\,Cosh\left[4\,x\right]+b\,Cosh\left[4\,x\right]+b\,Cosh\left[4\,x\right]+b\,Cosh\left[4\,x\right]+b\,Cosh\left[4\,x\right]+b\,Cosh\left[4\,x\right]+b\,Cosh\left[4\,x\right]+b\,Cosh\left[4\,x\right]+b\,Cosh\left[4\,x\right]+b\,Cosh\left[4\,x\right]+b\,Cosh\left[4\,x\right]+b\,Cosh\left[4\,x\right]+b\,Cosh\left[4\,x\right]+b\,Cosh\left[4\,x\right]+b\,Cosh\left[4\,x\right]+b\,Cosh\left[4\,x\right]+b\,Cosh\left[4\,x\right]+b\,Cosh\left[4\,x\right]+b\,Cosh\left[4\,x\right]+b\,Cosh\left[4\,x\right]+b\,Cosh\left[4\,x\right]+b\,Cosh\left[4\,x\right]+b\,Cosh\left[4\,x\right]+b\,Cosh\left[4\,x\right]+b\,Cosh\left[4\,x\right]+b\,Cos
                                                                                                                                                                                                                                             \texttt{c} \; \texttt{Cosh[4\,x]} \;) \; + \; \texttt{b} \; (3 \; \texttt{a} \; - \; \texttt{b} \; + \; 3 \; \texttt{c} \; - \; 4 \; \texttt{a} \; \texttt{Cosh[2\,x]} \; + \; 4 \; \texttt{c} \; \texttt{Cosh[2\,x]} \; + \; \texttt{a} \; \texttt{Cosh[4\,x]} \; + \; \texttt{b} \; \texttt{Cosh[4\,x]} \; + \; \texttt{c} \; \texttt{Cosh[4\,x]} \;) \; + \; \texttt{c} \; \texttt{cosh[4\,x]} \; + \; \texttt{cosh[4\,x]} \; + \; \texttt{c} \; \texttt{cosh[4\,x]} \; + \; \texttt{c} \; \texttt{cosh[4\,x]} \; + \; \texttt{cosh[4\,x]}
                                                                                                                                                                                       c (3 a - b + 3 c - 4 a Cosh[2 x] + 4 c Cosh[2 x] + a Cosh[4 x] + b Cosh[4 x] + c Cosh[4 x]))
                            2a-2c+\sqrt{2}\sqrt{2b^2-8ac+a(3a-b+3c-4aCosh[2x]+4cCosh[2x]+aCosh[4x]+bCosh[4x]+cCosh[4x])}
                                                                                                                              b\ (3\ a-b+3\ c-4\ a\ Cosh[2\ x]\ +\ 4\ c\ Cosh[2\ x]\ +\ a\ Cosh[4\ x]\ +\ b\ Cosh[4\ x]\ +\ c\ Cosh[4\ x]\ )\ 
                                                                                                                                 c(3a-b+3c-4aCosh[2x]+4cCosh[2x]+aCosh[4x]+bCosh[4x]+cCosh[4x]))
                                         \int \left[ -1 + \frac{1}{2(a+b+c)} \left( 2a - 2c + \sqrt{2} \sqrt{(2b^2 - 8ac + a(3a-b+3c-4aCosh[2x] + 4cCosh[2x] + aCosh[4x] + \frac{1}{2(a+b+c)} \left( 2a - 2c + \sqrt{2} \sqrt{(2b^2 - 8ac + a(3a-b+3c-4aCosh[2x] + 4cCosh[2x] + aCosh[4x] + \frac{1}{2(a+b+c)} \left( 2a - 2c + \sqrt{2} \sqrt{(2b^2 - 8ac + a(3a-b+3c-4aCosh[2x] + 4cCosh[2x] + aCosh[4x] + \frac{1}{2(a+b+c)} \left( 2a - 2c + \sqrt{2} \sqrt{(2b^2 - 8ac + a(3a-b+3c-4aCosh[2x] + 4cCosh[2x] + aCosh[2x] + aC
                                                                                                                                                                                                                                                                  b \, Cosh[4 \, x] + c \, Cosh[4 \, x]) + b \, (3 \, a - b + 3 \, c - 4 \, a \, Cosh[2 \, x] + 4 \, c \, Cosh[2 \, x] + a \, Cosh[4 \, x] + b \, Cosh[4 \,
                                                                                                                                                                                                                                                               c \cosh[4x] + c (3a - b + 3c - 4a \cosh[2x] + 4c \cosh[2x] + a \cosh[4x] + b \cosh[4x] + c \cosh[4x])
                    b \, Cosh[4\,x] + c \, Cosh[4\,x]) + b \, (3\,a - b + 3\,c - 4\,a \, Cosh[2\,x] + 4\,c \, Cosh[2\,x] + a \, Cosh[4\,x] + b 
                                                                                                                                                                                                                                                                  c \cosh[4x]) + c (3a - b + 3c - 4a \cosh[2x] + 4c \cosh[2x] + a \cosh[4x] + b \cosh[4x] + c \cosh[4x])
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\sqrt{(3 a - b + 3 c - 4 (a - c) Cosh[2 x] + (a + b + c) Cosh[4 x]) Csch[x]}
 (3 a - b + 3 c - 4 (a - c) Cosh[2x] + (a + b + c) Cosh[4x])
\sqrt{\left(\frac{1}{a+b+c}\left(4\,a+2\,b+\sqrt{2}\,\sqrt{\left(2\,b^2-8\,a\,c+a\,\left(3\,a-b+3\,c-4\,a\,Cosh[2\,x]+4\,c\,Cosh[2\,x]+a\,Cosh[4\,x]+b\,Cosh[4\,x]\right)+b\,Cosh[4\,x]\right)}\right)}
                                                                                                     \verb| c Cosh[4x]| + b (3a - b + 3c - 4a Cosh[2x] + 4c Cosh[2x] + a Cosh[4x] + b Cosh[4x] + c Cos
                                                                            c(3a-b+3c-4aCosh[2x]+4cCosh[2x]+aCosh[4x]+bCosh[4x]+cCosh[4x]))
                                                                        \frac{\text{ArcTanh}\Big[\,\frac{\sqrt{\,3\,\text{a-b+3}\,\text{c-4}\,\text{a}\,\text{Cosh}[\,2\,\text{x}\,] + 4\,\text{c}\,\text{Cosh}[\,2\,\text{x}\,] + a\,\text{Cosh}[\,4\,\text{x}\,] + b\,\text{Cosh}[\,4\,\text{x}\,] + c\,\text{Cosh}[\,4\,\text{x}\,]}{2\,\sqrt{2}\,\sqrt{a}}\Big]}{\sqrt{a}}
Csch[x]^2
               \frac{1}{\sqrt{a}} \operatorname{ArcTanh} \left[ \left( (2 a + b) \sqrt{3 a - b + 3 c - 4 a \operatorname{Cosh}[2 x] + 4 c \operatorname{Cosh}[2 x] + a \operatorname{Cosh}[4 x] + b \operatorname{Cosh}[4 x] + c \operatorname{Cosh}[4 x]} \right) \right/ \frac{1}{\sqrt{a}} 
                                            \left(2\,\sqrt{a}\,\,\sqrt{\left(2\,b^2-8\,a\,c+a\,\left(3\,a-b+3\,c-4\,a\,Cosh[\,2\,x\,]\right.+4\,c\,Cosh[\,2\,x\,]\right.}\right.\\ \left.+a\,Cosh[\,4\,x\,]\right.\\ \left.+b\,Cosh[\,4\,x\,]\right.\\ \left.+c\,Cosh[\,4\,x\,]\right.\\ \left.+c
                                                                                      b (3 a - b + 3 c - 4 a Cosh[2 x] + 4 c Cosh[2 x] + a Cosh[4 x] + b Cosh[4 x] + c Cosh[4 x]) +
                                                                                     c(3a-b+3c-4aCosh[2x]+4cCosh[2x]+aCosh[4x]+bCosh[4x]+cCosh[4x])))
                 \frac{1}{\sqrt{a+b+c}} 2 \log[2(a\sqrt{3a-b+3c-4a} + a \cosh[2x] + 4c \cosh[2x] + a \cosh[4x] + b \cosh[4x] + b \cosh[4x] + c \cosh[4
                                                                    b\sqrt{3}a-b+3c-4a\cosh[2x]+4c\cosh[2x]+a\cosh[4x]+b\cosh[4x]+c\cosh[4x]+c
                                                                            \sqrt{3} a - b + 3 c - 4 a Cosh[2 x] + 4 c Cosh[2 x] + a Cosh[4 x] + b Cosh[4 x] + c Cosh[4 x] + \sqrt{a + b + c}
                                                                             \sqrt{(2b^2 - 8ac + a(3a - b + 3c - 4aCosh[2x] + 4cCosh[2x] + aCosh[4x] + bCosh[4x] + cCosh[4x])}
                                                                                                       b \; (3 \; a - b + 3 \; c - 4 \; a \; Cosh[2 \; x] \; + \; 4 \; c \; Cosh[2 \; x] \; + \; a \; Cosh[4 \; x] \; + \; b \; Cosh[4 \; x] \; + \; c \; Cosh[4 \; x]) \; + \; c \; Cosh[4 \; x] \; + \; c \; Cos
                                                                                                      c (3 a - b + 3 c - 4 a Cosh[2 x] + 4 c Cosh[2 x] + a Cosh[4 x] + b Cosh[4 x] + c Cosh[4 x]))
         \frac{\text{a Coth[2x] Sinh[x]}^2}{\sqrt{3 \text{ a - b + 3 c - 4 (a - c) Cosh[2x] + (a + b + c) Cosh[4x]}}} - \frac{\text{a Csch[2x] Sinh[x]}^2}{\sqrt{3 \text{ a - b + 3 c - 4 (a - c) Cosh[2x] + (a + b + c) Cosh[4x]}}}
                                                                                                                                         bCsch[2x]Sinh[x]<sup>2</sup>
                    \sqrt{3 a - b + 3 c - 4 (a - c) \cosh[2 x] + (a + b + c) \cosh[4 x]}
   (-4 \text{ a Sinh}[2 \text{ x}] + 4 \text{ c Sinh}[2 \text{ x}] + 2 \text{ a Sinh}[4 \text{ x}] + 2 \text{ b Sinh}[4 \text{ x}] + 2 \text{ c Sinh}[4 \text{ x}])
                              a (-8 a Sinh[2x] + 8 c Sinh[2x] + 4 a Sinh[4x] + 4 b Sinh[4x] + 4 c Sinh[4x])
          \sqrt{3} a - b + 3 c - 4 a Cosh[2 x] + 4 c Cosh[2 x] + a Cosh[4 x] + b Cosh[4 x] + c Cosh[4 x]
```

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 \texttt{b} \; (-8 \; \texttt{a} \; \texttt{Sinh} \, [\, 2 \; \texttt{x}\,] \; + \; 8 \; \texttt{c} \; \texttt{Sinh} \, [\, 2 \; \texttt{x}\,] \; + \; 4 \; \texttt{a} \; \texttt{Sinh} \, [\, 4 \; \texttt{x}\,] \; + \; 4 \; \texttt{b} \; \texttt{Sinh} \, [\, 4 \; \texttt{x}\,] \; + \; 4 \; \texttt{c} \; \texttt{Sinh} \, [\, 4 \; \texttt{x}\,] \; ) 
                                             \sqrt{3 \text{ a - b + 3 c - 4 a } \cosh[2 x] + 4 \text{ c } \cosh[2 x] + \text{a } \cosh[4 x] + \text{b } \cosh[4 x] + \text{c } \cosh[4 x]}
                                                                          \sqrt{3 \text{ a - b + 3 c - 4 a } \text{Cosh}[2 \text{ x}] + 4 \text{ c } \text{Cosh}[2 \text{ x}] + \text{a } \text{Cosh}[4 \text{ x}] + \text{b } \text{Cosh}[4 \text{ x}] + \text{c } \text{Cosh}[4 \text{ x}]}
32 \; (-a+b+a \; Cosh[2 \; x]) \; \sqrt{3} \; a-b+3 \; c-4 \; a \; Cosh[2 \; x] \; + \; 4 \; c \; Cosh[2 \; x] \; + \; a \; Cosh[4 \; x] \; + \; b \; Cosh[4 \; x] \; + \; c \; Cosh[4 \; x] \; + \; b \; Cosh[
                \sqrt{(2b^2 - 8 a c + a (3a - b + 3c - 4 a Cosh[2x] + 4 c Cosh[2x] + a Cosh[4x] + b Cosh[4x] + c Cosh[4x])}
                                                    \texttt{b} \; ( \; 3 \; \texttt{a} \; - \; \texttt{b} \; + \; 3 \; \texttt{c} \; - \; 4 \; \texttt{a} \; \texttt{Cosh}[ \; 2 \; \texttt{x}] \; + \; 4 \; \texttt{c} \; \texttt{Cosh}[ \; 2 \; \texttt{x}] \; + \; \texttt{a} \; \texttt{Cosh}[ \; 4 \; \texttt{x}] \; + \; \texttt{b} \; \texttt{Cosh}[ \; 4 \; \texttt{x}] \; + \; \texttt{c} \; \texttt{Cosh}[ \; 4 \; \texttt{x}] \; ) \; + \; \texttt{cosh}[ \; 4 \; \texttt{x}] \; + \; \texttt{cosh}[ \; 4 \; \texttt{x}] \; + \; \texttt{cosh}[ \; 4 \; \texttt{x}] \; ) \; + \; \texttt{cosh}[ \; 4 \; \texttt{x}] \; 
                                                      c(3a-b+3c-4aCosh[2x]+4cCosh[2x]+aCosh[4x]+bCosh[4x]+cCosh[4x])
              \sqrt{\left(\frac{1}{a+b+c}\left(-2b-4c+\sqrt{2}\sqrt{2b^2-8ac+a(3a-b+3c-4a\cosh[2x]+4c\cosh[2x]+a\cosh[4x]+b\cosh[4x]+b\cosh[4x]+b\cosh[4x]+b\cosh[4x]+b\cosh[4x]+b\cosh[4x]+b\cosh[4x]+b\cosh[4x]+b\cosh[4x]+b\cosh[4x]+b\cosh[4x]+b\cosh[4x]+b\cosh[4x]+b\cosh[4x]+b\cosh[4x]+b\cosh[4x]+b\cosh[4x]+b\cosh[4x]+b\cosh[4x]+b\cosh[4x]+b\cosh[4x]+b\cosh[4x]+b\cosh[4x]+b\cosh[4x]+b\cosh[4x]+b\cosh[4x]+b\cosh[4x]+b\cosh[4x]+b\cosh[4x]+b\cosh[4x]+b\cosh[4x]+b\cosh[4x]+b\cosh[4x]+b\cosh[4x]+b\cosh[4x]+b\cosh[4x]+b\cosh[4x]+b\cosh[4x]+b\cosh[4x]+b\cosh[4x]+b\cosh[4x]+b\cosh[4x]+b\cosh[4x]+b\cosh[4x]+b\cosh[4x]+b\cosh[4x]+b\cosh[4x]+b\cosh[4x]+b\cosh[4x]+b\cosh[4x]+b\cosh[4x]+b\cosh[4x]+b\cosh[4x]+b\cosh[4x]+b\cosh[4x]+b\cosh[4x]+b\cosh[4x]+b\cosh[4x]+b\cosh[4x]+b\cosh[4x]+bhanden + bhanden + bh
                                                                                                                                                                        \texttt{c} \; \texttt{Cosh} \; [\; 4 \; \mathbf{x} \; ] \; ) \; + \; b \; (\; 3 \; a \; - \; b \; + \; 3 \; c \; - \; 4 \; a \; \texttt{Cosh} \; [\; 2 \; \mathbf{x} \; ] \; + \; 4 \; c \; \texttt{Cosh} \; [\; 2 \; \mathbf{x} \; ] \; + \; a \; \texttt{Cosh} \; [\; 4 \; \mathbf{x} \; ] \; + \; b \; \texttt{Cosh} \; [\; 4 \; \mathbf{x} \; ] \; + \; c \; \texttt{Cosh} \; [\; 4 \; \mathbf{x} \; ] \; ) \; + \; b \; \texttt{Cosh} \; [\; 4 \; \mathbf{x} \; ] \; + \; c \; \texttt{Cosh} \; [\; 4 \; \mathbf{x} \; ] \; + \; b \; \texttt{Cosh} \; [\; 4 \; \mathbf{x} \; ] \; + \; c \; \texttt{Cosh} \; [\; 4 \; \mathbf{x} \; ] \; + \; b \; \texttt{Cosh} \; [\; 4 \; \mathbf{x} \; ] \; + \; c \; \texttt{Cosh} \; [\; 4 \; \mathbf{x} \; ] \; + \; b \; \texttt{Cosh} \; [\; 4 \; \mathbf{x} \; ] \; + \; b \; \texttt{Cosh} \; [\; 4 \; \mathbf{x} \; ] \; + \; b \; \texttt{Cosh} \; [\; 4 \; \mathbf{x} \; ] \; + \; b \; \texttt{Cosh} \; [\; 4 \; \mathbf{x} \; ] \; + \; b \; \texttt{Cosh} \; [\; 4 \; \mathbf{x} \; ] \; + \; b \; \texttt{Cosh} \; [\; 4 \; \mathbf{x} \; ] \; + \; b \; \texttt{Cosh} \; [\; 4 \; \mathbf{x} \; ] \; + \; b \; \texttt{Cosh} \; [\; 4 \; \mathbf{x} \; ] \; + \; b \; \texttt{Cosh} \; [\; 4 \; \mathbf{x} \; ] \; + \; b \; \texttt{Cosh} \; [\; 4 \; \mathbf{x} \; ] \; + \; b \; \texttt{Cosh} \; [\; 4 \; \mathbf{x} \; ] \; + \; b \; \texttt{Cosh} \; [\; 4 \; \mathbf{x} \; ] \; + \; b \; \texttt{Cosh} \; [\; 4 \; \mathbf{x} \; ] \; + \; b \; \texttt{Cosh} \; [\; 4 \; \mathbf{x} \; ] \; + \; b \; \texttt{Cosh} \; [\; 4 \; \mathbf{x} \; ] \; + \; b \; \texttt{Cosh} \; [\; 4 \; \mathbf{x} \; ] \; + \; b \; \texttt{Cosh} \; [\; 4 \; \mathbf{x} \; ] \; + \; b \; \texttt{Cosh} \; [\; 4 \; \mathbf{x} \; ] \; + \; b \; \texttt{Cosh} \; [\; 4 \; \mathbf{x} \; ] \; + \; b \; \texttt{Cosh} \; [\; 4 \; \mathbf{x} \; ] \; + \; b \; \texttt{Cosh} \; [\; 4 \; \mathbf{x} \; ] \; + \; b \; \texttt{Cosh} \; [\; 4 \; \mathbf{x} \; ] \; + \; b \; \texttt{Cosh} \; [\; 4 \; \mathbf{x} \; ] \; + \; b \; \texttt{Cosh} \; [\; 4 \; \mathbf{x} \; ] \; + \; b \; \texttt{Cosh} \; [\; 4 \; \mathbf{x} \; ] \; + \; b \; \texttt{Cosh} \; [\; 4 \; \mathbf{x} \; ] \; + \; b \; \texttt{Cosh} \; [\; 4 \; \mathbf{x} \; ] \; + \; b \; \texttt{Cosh} \; [\; 4 \; \mathbf{x} \; ] \; + \; b \; \texttt{Cosh} \; [\; 4 \; \mathbf{x} \; ] \; + \; b \; \texttt{Cosh} \; [\; 4 \; \mathbf{x} \; ] \; + \; b \; \texttt{Cosh} \; [\; 4 \; \mathbf{x} \; ] \; + \; b \; \texttt{Cosh} \; [\; 4 \; \mathbf{x} \; ] \; + \; b \; \texttt{Cosh} \; [\; 4 \; \mathbf{x} \; ] \; + \; b \; \texttt{Cosh} \; [\; 4 \; \mathbf{x} \; ] \; + \; b \; \texttt{Cosh} \; [\; 4 \; \mathbf{x} \; ] \; + \; b \; \texttt{Cosh} \; [\; 4 \; \mathbf{x} \; ] \; + \; b \; \texttt{Cosh} \; [\; 4 \; \mathbf{x} \; ] \; + \; b \; \texttt{Cosh} \; [\; 4 \; \mathbf{x} \; ] \; + \; b \; \texttt{Cosh} \; [\; 4 \; \mathbf{x} \; ] \; + \; b \; \texttt{Cosh} \; [\; 4 \; \mathbf{x} \; ] \; + \; b \; \texttt{Cosh} \; [\; 4 \; \mathbf{x} \; ] \; + \; b \; \texttt{Cosh} \; [\; 4 \; \mathbf{x} \; ] \; + \; b \; \texttt{Cosh} \; [\; 4 \; \mathbf{x} \; ] \; + \; b \; \texttt{
                                                                                                                                 c (3 a - b + 3 c - 4 a Cosh[2 x] + 4 c Cosh[2 x] + a Cosh[4 x] + b Cosh[4 x] + c Cosh[4 x]))
                    2a-2c+\sqrt{2}\sqrt{2b^2-8ac+a(3a-b+3c-4aCosh[2x]+4cCosh[2x]+aCosh[4x]+bCosh[4x]+cCosh[4x])}
                                                                                          b \; (3 \; a \; -b \; + \; 3 \; c \; -4 \; a \; Cosh[\; 2 \; x] \; + \; 4 \; c \; Cosh[\; 2 \; x] \; + \; a \; Cosh[\; 4 \; x] \; + \; b \; Cosh[\; 4 \; x] \; + \; c \; Cosh[\; 4 \; x] \; ) \; + \; c \; Cosh[\; 4 \; x] \; ) \; + \; c \; Cosh[\; 4 \; x] \; ) \; + \; c \; Cosh[\; 4 \; x] \; ) \; + \; c \; Cosh[\; 4 \; x] \; ) \; + \; c \; Cosh[\; 4 \; x] \; ) \; + \; c \; Cosh[\; 4 \; x] \; ) \; + \; c \; Cosh[\; 4 \; x] \; ) \; + \; c \; Cosh[\; 4 \; x] \; ) \; + \; c \; Cosh[\; 4 \; x] \; ) \; + \; c \; Cosh[\; 4 \; x] \; ) \; + \; c \; Cosh[\; 4 \; x] \; ) \; + \; c \; Cosh[\; 4 \; x] \; ) \; + \; c \; Cosh[\; 4 \; x] \; ) \; + \; c \; Cosh[\; 4 \; x] \; ) \; + \; c \; Cosh[\; 4 \; x] \; ) \; + \; c \; Cosh[\; 4 \; x] \; ) \; + \; c \; Cosh[\; 4 \; x] \; ) \; + \; c \; Cosh[\; 4 \; x] \; ) \; + \; c \; Cosh[\; 4 \; x] \; ) \; + \; c \; Cosh[\; 4 \; x] \; ) \; + \; c \; Cosh[\; 4 \; x] \; ) \; + \; c \; Cosh[\; 4 \; x] \; ) \; + \; c \; Cosh[\; 4 \; x] \; ) \; + \; c \; Cosh[\; 4 \; x] \; ) \; + \; c \; Cosh[\; 4 \; x] \; ) \; + \; c \; Cosh[\; 4 \; x] \; ) \; + \; c \; Cosh[\; 4 \; x] \; ) \; + \; c \; Cosh[\; 4 \; x] \; ) \; + \; c \; Cosh[\; 4 \; x] \; ) \; + \; c \; Cosh[\; 4 \; x] \; ) \; + \; c \; Cosh[\; 4 \; x] \; ) \; + \; c \; Cosh[\; 4 \; x] \; ) \; + \; c \; Cosh[\; 4 \; x] \; ) \; + \; c \; Cosh[\; 4 \; x] \; ) \; + \; c \; Cosh[\; 4 \; x] \; ) \; + \; c \; Cosh[\; 4 \; x] \; ) \; + \; c \; Cosh[\; 4 \; x] \; ) \; + \; c \; Cosh[\; 4 \; x] \; ) \; + \; c \; Cosh[\; 4 \; x] \; ) \; + \; c \; Cosh[\; 4 \; x] \; ) \; + \; c \; Cosh[\; 4 \; x] \; ) \; + \; c \; Cosh[\; 4 \; x] \; ) \; + \; c \; Cosh[\; 4 \; x] \; ) \; + \; c \; Cosh[\; 4 \; x] \; ) \; + \; c \; Cosh[\; 4 \; x] \; ) \; + \; c \; Cosh[\; 4 \; x] \; ) \; + \; c \; Cosh[\; 4 \; x] \; ) \; + \; c \; Cosh[\; 4 \; x] \; ) \; + \; c \; Cosh[\; 4 \; x] \; ) \; + \; c \; Cosh[\; 4 \; x] \; ) \; + \; c \; Cosh[\; 4 \; x] \; ) \; + \; c \; Cosh[\; 4 \; x] \; ) \; + \; c \; Cosh[\; 4 \; x] \; ) \; + \; c \; Cosh[\; 4 \; x] \; + \; c \; Cosh[\; 4 \; x] \; ) \; + \; c \; Cosh[\; 4 \; x] \; ) \; + \; c \; Cosh[\; 4 \; x] \; + \; c \; Cosh[\; 4 \; x] \; ) \; + \; c \; Cosh[\; 4 \; x] \; + \; c \; Cosh[\; 4 \; x] \; + \; c \; Cosh[\; 4 \; x] \; + \; c \; Cosh[\; 4 \; x] \; + \; c \; Cosh[\; 4 \; x] \; + \; c \; Cosh[\; 4 \; x] \; + \; c \; Cosh[\; 4 \; x] \; + \; c \; Cosh[\; 4 \; x] \; + \; c \; Cosh[\; 4 \; x] \; + \; c \; Cosh[\; 4 \; x] \; + \; c \; Cosh[\; 4 \; x] \; + \; 
                                                                                           c(3a-b+3c-4aCosh[2x]+4cCosh[2x]+aCosh[4x]+bCosh[4x]+cCosh[4x]))
              b\, Cosh[\, 4\, x]\, + c\, Cosh[\, 4\, x]\, )\, + b\, (\, 3\, a\, -\, b\, +\, 3\, c\, -\, 4\, a\, Cosh[\, 2\, x]\, +\, 4\, c\, Cosh[\, 2\, x]\, +\, a\, Cosh[\, 4\, x]\, +\, b\, Cosh
                                                                                                                                                                                     c \cosh[4x] + c (3a - b + 3c - 4a \cosh[2x] + 4c \cosh[2x] + a \cosh[4x] + b \cosh[4x] + c \cosh[4x])
            \sqrt{\left[1 + \frac{1}{2(a+b+c)} \left(2a-2c+\sqrt{2}\sqrt{2b^2-8ac+a(3a-b+3c-4a\cosh[2x]+4c\cosh[2x]+a\cosh[4x]+a\cosh[4x]+a\cosh[4x]+a\cosh[4x]+a\cosh[4x]+a\cosh[4x]+a\cosh[4x]+a\cosh[4x]+a\cosh[4x]+a\cosh[4x]+a\cosh[4x]+a\cosh[4x]+a\cosh[4x]+a\cosh[4x]+a\cosh[4x]+a\cosh[4x]+a\cosh[4x]+a\cosh[4x]+a\cosh[4x]+a\cosh[4x]+a\cosh[4x]+a\cosh[4x]+a\cosh[4x]+a\cosh[4x]+a\cosh[4x]+a\cosh[4x]+a\cosh[4x]+a\cosh[4x]+a\cosh[4x]+a\cosh[4x]+a\cosh[4x]+a\cosh[4x]+a\cosh[4x]+a\cosh[4x]+a\cosh[4x]+a\cosh[4x]+a\cosh[4x]+a\cosh[4x]+a\cosh[4x]+ah[4x]+ah[4x]+ah[4x]+ah[4x]+ah[4x]+ah[4x]+ah[4x]+ah[4x]+ah[4x]+ah[4x]+ah[4x]+ah[4x]+ah[4x]+ah[4x]+ah[4x]+ah[4x]+ah[4x]+ah[4x]+ah[4x]+ah[4x]+ah[4x]+ah[4x]+ah[4x]+ah[4x]+ah[4x]+ah[4x]+ah[4x]+ah[4x]+ah[4x]+ah[4x]+ah[4x]+ah[4x]+ah[4x]+ah[4x]+ah[4x]+ah[4x]+ah[4x]+ah[4x]+ah[4x]+ah[4x]+ah[4x]+ah[4x]+ah[4x]+ah[4x]+ah[4x]+ah[4x]+ah[4x]+ah[4x]+ah[4x]+ah[4x]+ah[4x]+ah[4x]+ah[4x]+ah[4x]+ah[4x]+ah[4x]+ah[4x]+ah[4x]+ah[4x]+ah[4x]+ah[4x]+ah[4x]+ah[4x]+ah[4x]+ah[4x]+ah[4x]+ah[4x]+ah[4x]+ah[4x]+ah[4x]+ah[4x]+ah[4x]+ah[4x]+ah[4x]+ah[4x]+ah[4x]+ah[4x]+ah[4x]+ah[4x]+ah[4x]+ah[4x]+ah[4x]+ah[4x]+ah[4x]+ah[4x]+ah[4x]+ah[4x]+ah[4x]+ah[4x]+ah[4x]+ah[4x]+ah[4x]+ah[4x]+ah[4x]+ah[4x]+ah[4x]+ah[4x]+ah[4x]+ah[4x]+ah[4x]+ah[4x]+ah[4x]+ah[4x]+ah[4x]+ah[4x]+ah[4x]+ah[4x]+ah[4x]+ah[4x]+ah[4x]+ah[4x]+ah[4x]+ah[4x]+ah[4x]+ah[4x]+ah[4x]+ah[4x]+ah[4x]+ah[4x]+ah[4x]+ah[4x]+ah[4x]+ah[4x]+ah[4x]+ah[4x]+ah[4x]+ah[4x]+ah[4x]+ah[4x]+ah[4x]+ah[4x]+ah[4x]+ah[4x]+ah[4x]+ah[4x]+ah[4x]+ah[4x]+ah[4x]+ah[4x]+ah[4x]+ah[4x]+ah[4x]+ah[4x]+ah[4x]+ah[4x]+ah[4x]+ah[4x]+ah[4x]+ah[4x]+ah[4x]+ah[4x]+ah[4x]+ah[4x]+ah[4x]+ah[4x]+ah[4x]+ah[4x]+ah[4x]+ah[4x]+ah[4x]+ah[4x]+ah[4x]+ah[4x]+ah[4x]+ah[4x]+ah[4x]+ah[4x]+ah[4x]+ah[4x]+ah[4x]+ah[4x]+ah[4x]+ah[4x]+ah[4x]+ah[4x]+ah[4x]+ah[4x]+ah[4x]+ah[4x]+ah[4x]+ah[4x]+ah[4x]+ah[4x]+ah[4x]+ah[4x]+ah[4x]+ah[4x]+ah[4x]+ah[4x]+ah[4x]+ah[4x]+ah[4x]+ah[4x]+ah[4x]+ah[4x]+ah[4x]+ah[4x]+ah[4x]+ah[4x]+ah[4x]+ah[4x]+ah[4x]+ah[4x]+ah[4x]+ah[4x]+ah[4x]+ah[4x]+ah[4x]+ah[4x]+ah[4x]+ah[4x]+ah[4x]+ah[4x]+ah[4x]+ah[4x]+ah[4x]+ah[4x]+ah[4x]+ah[4x]+ah[4x]+ah[4x]+ah[4x]+ah[4x]+ah[4x]+ah[4x]+ah[4x]+ah[4x]+ah[4x]+ah[4x]+ah[4x]+ah[4x]+ah[4x]+ah[4x]+ah[4x]+ah[4x]+ah[4x]+ah[4x]+ah[4x]+ah[4x]+ah[4x]+ah[4x]+ah[4x]+ah[4x
                                                                                                                                                                                      b \, \text{Cosh} \, [\, 4 \, \, x \,] \, + c \, \text{Cosh} \, [\, 4 \, \, x \,] \, ) \, + b \, (\, 3 \, a \, - b \, + \, 3 \, c \, - \, 4 \, a \, \text{Cosh} \, [\, 2 \, \, x \,] \, + \, 4 \, c \, \text{Cosh} \, [\, 2 \, \, x \,] \, + \, a \, \text{Cosh} \, [\, 4 \, \, x \,] \, + \, b \, \text{Cosh} \, [\, 4 \, \, x \,] \, + \, b \, \text{Cosh} \, [\, 4 \, \, x \,] \, + \, b \, \text{Cosh} \, [\, 4 \, \, x \,] \, + \, b \, \text{Cosh} \, [\, 4 \, \, x \,] \, + \, b \, \text{Cosh} \, [\, 4 \, \, x \,] \, + \, b \, \text{Cosh} \, [\, 4 \, \, x \,] \, + \, b \, \text{Cosh} \, [\, 4 \, \, x \,] \, + \, b \, \text{Cosh} \, [\, 4 \, \, x \,] \, + \, b \, \text{Cosh} \, [\, 4 \, \, x \,] \, + \, b \, \text{Cosh} \, [\, 4 \, \, x \,] \, + \, b \, \text{Cosh} \, [\, 4 \, \, x \,] \, + \, b \, \text{Cosh} \, [\, 4 \, \, x \,] \, + \, b \, \text{Cosh} \, [\, 4 \, \, x \,] \, + \, b \, \text{Cosh} \, [\, 4 \, \, x \,] \, + \, b \, \text{Cosh} \, [\, 4 \, \, x \,] \, + \, b \, \text{Cosh} \, [\, 4 \, \, x \,] \, + \, b \, \text{Cosh} \, [\, 4 \, \, x \,] \, + \, b \, \text{Cosh} \, [\, 4 \, \, x \,] \, + \, b \, \text{Cosh} \, [\, 4 \, \, x \,] \, + \, b \, \text{Cosh} \, [\, 4 \, \, x \,] \, + \, b \, \text{Cosh} \, [\, 4 \, \, x \,] \, + \, b \, \text{Cosh} \, [\, 4 \, \, x \,] \, + \, b \, \text{Cosh} \, [\, 4 \, \, x \,] \, + \, b \, \text{Cosh} \, [\, 4 \, \, x \,] \, + \, b \, \text{Cosh} \, [\, 4 \, \, x \,] \, + \, b \, \text{Cosh} \, [\, 4 \, \, x \,] \, + \, b \, \text{Cosh} \, [\, 4 \, \, x \,] \, + \, b \, \text{Cosh} \, [\, 4 \, \, x \,] \, + \, b \, \text{Cosh} \, [\, 4 \, \, x \,] \, + \, b \, \text{Cosh} \, [\, 4 \, \, x \,] \, + \, b \, \text{Cosh} \, [\, 4 \, \, x \,] \, + \, b \, \text{Cosh} \, [\, 4 \, \, x \,] \, + \, b \, \text{Cosh} \, [\, 4 \, \, x \,] \, + \, b \, \text{Cosh} \, [\, 4 \, \, x \,] \, + \, b \, \text{Cosh} \, [\, 4 \, \, x \,] \, + \, b \, \text{Cosh} \, [\, 4 \, \, x \,] \, + \, b \, \text{Cosh} \, [\, 4 \, \, x \,] \, + \, b \, \text{Cosh} \, [\, 4 \, \, x \,] \, + \, b \, \text{Cosh} \, [\, 4 \, \, x \,] \, + \, b \, \text{Cosh} \, [\, 4 \, \, x \,] \, + \, b \, \text{Cosh} \, [\, 4 \, \, x \,] \, + \, b \, \text{Cosh} \, [\, 4 \, \, x \,] \, + \, b \, \text{Cosh} \, [\, 4 \, \, x \,] \, + \, b \, \text{Cosh} \, [\, 4 \, \, x \,] \, + \, b \, \text{Cosh} \, [\, 4 \, \, x \,] \, + \, b \, \text{Cosh} \, [\, 4 \, \, x \,] \, + \, b \, \text{Cosh} \, [\, 4 \, \, x \,] \, + \, b \, \text{Cosh} \, [\, 4 \, \, x \,] \, + \, b \, \text{Cosh} \, [\, 4 \, \, x \,] \, + \, b \, \text{Cosh} \, [\, 4 \, \, x \,] \, + \, b \, \text{Cosh} \, [\, 4 \, \, x \,] \, + \, b \, \text{Cosh} \, [\, 4 \, \, x \,] \, + \, b \, \text{Cosh} \, [\, 4 \, \, x \,] \, + \, b \, \text{Cosh} \, [\, 4 \, \, x \,]
                                                                                                                                                                                      c \cosh[4x] + c (3a - b + 3c - 4a \cosh[2x] + 4c \cosh[2x] + a \cosh[4x] + b \cosh[4x] + c \cosh[4x])
              \sqrt{ (3 a - b + 3 c - 4 (a - c) Cosh[2 x] + (a + b + c) Cosh[4 x]) Csch[x]^{4} } - \left[ (-a + b) (1 + Cosh[2 x]) + (a + b + c) Cosh[4 x] \right] 
                (3 a - b + 3 c - 4 (a - c) Cosh[2x] + (a + b + c) Cosh[4x])
                                           3 a - b + 3 c + (-4 a + 4 c) Cosh[2 x] + (a + b + c) Cosh[4 x]
                                                                                                                                                                                                                                                        (1 + Cosh[2x])^2
                Coth[x]
                Csch[x]^2
              Log[b+2 a Tanh[x]^2 + 2 \sqrt{a} \sqrt{c+b Tanh[x]^2 + a Tanh[x]^4}]
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\frac{ \text{a Coth[2 x] Sinh[x]}^2}{\sqrt{3 \text{a-b+3 c-4 (a-c) } \text{Cosh[2 x]} + (\text{a+b+c) } \text{Cosh[4 x]}}}
                                                                                                                                                                                           a \operatorname{Csch}[2x] \operatorname{Sinh}[x]^2
                                             \sqrt{\,3\,\,a-b+3\,\,c-4\,\,(a-c)\,\,Cosh\,[\,2\,\,x\,]\,\,+\,\,(a+b+c)\,\,Cosh\,[\,4\,\,x\,]}
                                                                                                                                                                                      b \operatorname{Csch}[2x] \operatorname{Sinh}[x]^2
                                             \sqrt{3 a - b + 3 c - 4 (a - c) Cosh[2 x] + (a + b + c) Cosh[4 x]}
                       \left(-4 \; (3\; a - b + 3\; c - 4\; (a - c)\; Cosh[2\; x] \; + \; (a + b + c)\; Cosh[4\; x] \; \right) \; Coth[x] \; Csch[x]^{\; 4} \; + \; (a + b + c) \; Cosh[4\; x] \; (a + b + c) \; Cosh[4\; x] \; (a + b + c) \; Cosh[4\; x] \; (a + b + c) \; Cosh[4\; x] \; (a + b + c) \; Cosh[4\; x] \; (a + b + c) \; Cosh[4\; x] \; (a + b + c) \; Cosh[4\; x] \; (a + b + c) \; Cosh[4\; x] \; (a + b + c) \; Cosh[4\; x] \; (a + b + c) \; Cosh[4\; x] \; (a + b + c) \; Cosh[4\; x] \; (a + b + c) \; Cosh[4\; x] \; (a + b + c) \; Cosh[4\; x] \; (a + b + c) \; Cosh[4\; x] \; (a + b + c) \; Cosh[4\; x] \; (a + b + c) \; Cosh[4\; x] \; (a + b + c) \; Cosh[4\; x] \; (a + b + c) \; Cosh[4\; x] \; (a + b + c) \; Cosh[4\; x] \; (a + b + c) \; Cosh[4\; x] \; (a + b + c) \; Cosh[4\; x] \; (a + b + c) \; Cosh[4\; x] \; (a + b + c) \; Cosh[4\; x] \; (a + b + c) \; Cosh[4\; x] \; (a + b + c) \; Cosh[4\; x] \; (a + b + c) \; Cosh[4\; x] \; (a + b + c) \; Cosh[4\; x] \; (a + b + c) \; Cosh[4\; x] \; (a + b + c) \; Cosh[4\; x] \; (a + b + c) \; Cosh[4\; x] \; (a + b + c) \; Cosh[4\; x] \; (a + b + c) \; Cosh[4\; x] \; (a + b + c) \; Cosh[4\; x] \; (a + b + c) \; Cosh[4\; x] \; (a + b + c) \; Cosh[4\; x] \; (a + b + c) \; Cosh[4\; x] \; (a + b + c) \; Cosh[4\; x] \; (a + b + c) \; Cosh[4\; x] \; (a + b + c) \; Cosh[4\; x] \; (a + b + c) \; Cosh[4\; x] \; (a + b + c) \; Cosh[4\; x] \; (a + b + c) \; Cosh[4\; x] \; (a + b + c) \; Cosh[4\; x] \; (a + b + c) \; Cosh[4\; x] \; (a + b + c) \; Cosh[4\; x] \; (a + b + c) \; Cosh[4\; x] \; (a + b + c) \; Cosh[4\; x] \; (a + b + c) \; Cosh[4\; x] \; (a + b + c) \; Cosh[4\; x] \; (a + b + c) \; Cosh[4\; x] \; (a + b + c) \; Cosh[4\; x] \; (a + b + c) \; Cosh[4\; x] \; (a + b + c) \; Cosh[4\; x] \; (a + b + c) \; Cosh[4\; x] \; (a + b + c) \; Cosh[4\; x] \; (a + b + c) \; Cosh[4\; x] \; (a + b + c) \; Cosh[4\; x] \; (a + b + c) \; Cosh[4\; x] \; (a + b + c) \; Cosh[4\; x] \; (a + b + c) \; Cosh[4\; x] \; (a + b + c) \; Cosh[4\; x] \; (a + b + c) \; Cosh[4\; x] \; (a + b + c) \; Cosh[4\; x] \; (a + b + c) \; Cosh[4\; x] \; (a + b + c) \; Cosh[4\; x] \; (a + b + c) \; (a + 
                                        Csch[x]^{4} (-8 (a - c) Sinh[2x] + 4 (a + b + c) Sinh[4x])
     \left(16\,\sqrt{2}\,\,\sqrt{a}\,\,\left(-a+b+a\,Cosh[\,2\,x\,]\,\right)\,\sqrt{3\,a-b+3\,c+\,\left(-4\,a+4\,c\right)\,Cosh[\,2\,x\,]\,+\,\left(a+b+c\right)\,Cosh[\,4\,x\,]}\right)
                       \left(\;(\,3\;a\,-\,b\,+\,3\;c\,-\,4\;\;(a\,-\,c\,)\;\;Cosh\,[\,2\;x\,]\;+\;(a\,+\,b\,+\,c\,)\;\;Cosh\,[\,4\;x\,]\;\right)\;\;Csch\,[\,x\,]^{\,4}\right)^{\,3/2}\right)\;-\,1
a \cosh[2x] (3a-b+3c-4(a-c) \cosh[2x] + (a+b+c) \cosh[4x])
                         \left( 2 \text{ a} \sqrt{3 \text{ a - b + 3 c - 4 a } \text{Cosh}[2 \text{ x}] + 4 \text{ c } \text{Cosh}[2 \text{ x}] + \text{a } \text{Cosh}[4 \text{ x}] + \text{b } \text{Cosh}[4 \text{ x}] + \text{c } \text{c } \text{Cosh}[4 \text{ x}] + \text{c } \text{Cosh}[4 \text{ x}] + \text{c } \text{c } \text{Cosh}[4 \text{ x}] + \text{c } \text{c 
                                          2 b \sqrt{3 a - b + 3 c - 4 a Cosh[2 x] + 4 c Cosh[2 x] + a Cosh[4 x] + b Cosh[4 x] + c Cosh[4 x]}
                                        2\;c\;\sqrt{\;3\;a\;-\;b\;+\;3\;c\;-\;4\;a\;Cosh\,[\;2\;x\;]\;+\;4\;c\;Cosh\,[\;2\;x\;]\;+\;a\;Cosh\,[\;4\;x\;]\;+\;b\;Cosh\,[\;4\;x\;]\;+\;c\;Cosh\,[\;4\;x\;]\;}
                     \sqrt{\left(\frac{1}{a+b+c}\left(4\,a+2\,b+\sqrt{2}\,\sqrt{\left(2\,b^2-8\,a\,c+a\,\left(3\,a-b+3\,c-4\,a\,Cosh[2\,x]+4\,c\,Cosh[2\,x]+a\,Cosh[4\,x]+b\,Cosh[4\,x]\right.\right)\right)}
                                                                                                                                             \verb| c Cosh[4x]| + b (3a-b+3c-4aCosh[2x]+4cCosh[2x]+aCosh[4x]+bCosh[4x]+cCosh[4x]) + ccosh[4x] + ccos
                                                                                                                  \texttt{c} \; \left( \; 3 \; \texttt{a} \; - \; \texttt{b} \; + \; 3 \; \texttt{c} \; - \; 4 \; \texttt{a} \; \mathsf{Cosh}[\; 2 \; \texttt{x} \; ] \; + \; 4 \; \texttt{c} \; \mathsf{Cosh}[\; 2 \; \texttt{x} \; ] \; + \; \texttt{a} \; \mathsf{Cosh}[\; 4 \; \texttt{x} \; ] \; + \; \texttt{b} \; \mathsf{Cosh}[\; 4 \; \texttt{x} \; ] \; + \; \texttt{c} \; \mathsf{Cosh}[\; 4 \; \texttt{x} \; ] \; \right) \; \right) \; | \; \mathsf{c} \; | \;
                                                                                                           \frac{\operatorname{ArcTanh}\Big[\frac{\sqrt{3\operatorname{a-b+3}\operatorname{c-4}\operatorname{a}\operatorname{Cosh}[2\operatorname{x}]+4\operatorname{c}\operatorname{Cosh}[2\operatorname{x}]+a\operatorname{Cosh}[4\operatorname{x}]+b\operatorname{Cosh}[4\operatorname{x}]+\operatorname{c}\operatorname{Cosh}[4\operatorname{x}]}{2\sqrt{2}\sqrt{\operatorname{a}}}\Big]}{\sqrt{\operatorname{a}}}
                       Csch[x]^2
                                        \frac{1}{\sqrt{a}} \operatorname{ArcTanh} \left[ \left( (2 \text{ a} + \text{b}) \sqrt{3 \text{ a} - \text{b} + 3 \text{ c} - 4 \text{ a} \operatorname{Cosh}[2 \text{ x}] + 4 \text{ c} \operatorname{Cosh}[2 \text{ x}] + a \operatorname{Cosh}[4 \text{ x}] + b \operatorname{Cosh}[4 \text{ x}] + c \operatorname{Cosh}[4 \text{ x}]} \right] \right) 
                                                                           2\sqrt{a}\sqrt{(2b^2-8ac+a(3a-b+3c-4aCosh[2x]+4cCosh[2x]+aCosh[4x]+bCosh[4x]+cCosh[4x])}
                                                                                                                            b (3 a - b + 3 c - 4 a Cosh[2 x] + 4 c Cosh[2 x] + a Cosh[4 x] + b Cosh[4 x] + c Cosh[4 x]) +
                                                                                                                           c(3a-b+3c-4aCosh[2x]+4cCosh[2x]+aCosh[4x]+bCosh[4x]+cCosh[4x])))
```

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\frac{1}{\sqrt{a+b+c}} 2 \log[2(a\sqrt{3a-b+3c-4a} + a\cosh[2x] + 4c\cosh[2x] + a\cosh[4x] + b\cosh[4x] + b\cosh[4x] + c\cosh[4x] + chharacteristics + chha
                                                                                                                 b\sqrt{3}a - b + 3c - 4a Cosh[2x] + 4c Cosh[2x] + a Cosh[4x] + b Cosh[4x] + c Cosh[4x] + c Cosh[4x]
                                                                                                                               \sqrt{3} a - b + 3 c - 4 a Cosh[2 x] + 4 c Cosh[2 x] + a Cosh[4 x] + b Cosh[4 x] + c Cosh[4 x] + \sqrt{a} + b + c
                                                                                                                               \sqrt{(2b^2 - 8ac + a(3a - b + 3c - 4aCosh[2x] + 4cCosh[2x] + aCosh[4x] + bCosh[4x] + cCosh[4x])}
                                                                                                                                                                    b \; (3 \; a - b + 3 \; c - 4 \; a \; Cosh[2 \; x] \; + \; 4 \; c \; Cosh[2 \; x] \; + \; a \; Cosh[4 \; x] \; + \; b \; Cosh[4 \; x] \; + \; c \; Cosh[4 \; x]) \; + \; c \; Cosh[4 \; x] \; + \; c \; Cos
                                                                                                                                                                   c(3a-b+3c-4a\cosh[2x]+4c\cosh[2x]+a\cosh[4x]+b\cosh[4x]+c\cosh[4x]))
                                                                                                                                                                                                               a Coth[2x] Sinh[x]^2
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          a Csch[2x] Sinh[x]2
                              \sqrt{3} a - b + 3 c - 4 (a - c) \cosh[2x] + (a + b + c) \cosh[4x] \sqrt{3} a - b + 3 c - 4 (a - c) \cosh[2x] + (a + b + c) \cosh[4x]
                                                                                                                                                                                                                          b \operatorname{Csch}[2x] \operatorname{Sinh}[x]^2
                                            \sqrt{3 a - b + 3 c - 4 (a - c) \cosh[2 x] + (a + b + c) \cosh[4 x]}
                   (-4 \text{ a Sinh}[2 \text{ x}] + 4 \text{ c Sinh}[2 \text{ x}] + 2 \text{ a Sinh}[4 \text{ x}] + 2 \text{ b Sinh}[4 \text{ x}] + 2 \text{ c Sinh}[4 \text{ x}])
                   \left(-4 \left(3 a - b + 3 c - 4 \left(a - c\right) Cosh[2 x] + \left(a + b + c\right) Cosh[4 x]\right) Coth[x] Csch[x]^{4} + \left(a + b + c\right) Cosh[4 x]\right)
                                   Csch[x]^{4} (-8 (a - c) Sinh[2x] + 4 (a + b + c) Sinh[4x]))
64 \; (-a+b+a \; Cosh[2 \; x] \;) \; \sqrt{3} \; a-b+3 \; c-4 \; a \; Cosh[2 \; x] \; +4 \; c \; Cosh[2 \; x] \; +a \; Cosh[4 \; x] \; +b \; Cosh[4 \; x] \; +c \; Cosh[4 
               \sqrt{(2b^2 - 8ac + a(3a - b + 3c - 4aCosh[2x] + 4cCosh[2x] + aCosh[4x] + bCosh[4x] + cCosh[4x])} + cCosh[4x] + cCos
                                                  \texttt{b} \; ( \; \texttt{3} \; \texttt{a} \; - \; \texttt{b} \; + \; \texttt{3} \; \texttt{c} \; - \; \texttt{4} \; \texttt{a} \; \texttt{Cosh} [ \; 2 \; \texttt{x} \; ] \; + \; \texttt{4} \; \texttt{c} \; \texttt{Cosh} [ \; 2 \; \texttt{x} \; ] \; + \; \texttt{a} \; \texttt{Cosh} [ \; 4 \; \texttt{x} \; ] \; + \; \texttt{b} \; \texttt{Cosh} [ \; 4 \; \texttt{x} \; ] \; + \; \texttt{c} \; \texttt{Cosh} [ \; 4 \; \texttt{x} \; ] \; ) \; + \; \texttt{c} \; \texttt{cosh} [ \; 4 \; \texttt{x} \; ] \; ) \; + \; \texttt{cosh} [ \; 4 \; \texttt{x} \; ] \; ) \; + \; \texttt{cosh} [ \; 4 \; \texttt{x} \; ] \; ) \; + \; \texttt{cosh} [ \; 4 \; \texttt{x} \; ] \; ) \; + \; \texttt{cosh} [ \; 4 \; \texttt{x} \; ] \; ) \; + \; \texttt{cosh} [ \; 4 \; \texttt{x} \; ] \; ) \; + \; \texttt{cosh} [ \; 4 \; \texttt{x} \; ] \; ) \; + \; \texttt{cosh} [ \; 4 \; \texttt{x} \; ] \; ) \; + \; \texttt{cosh} [ \; 4 \; \texttt{x} \; ] \; ) \; + \; \texttt{cosh} [ \; 4 \; \texttt{x} \; ] \; ) \; + \; \texttt{cosh} [ \; 4 \; \texttt{x} \; ] \; ) \; + \; \texttt{cosh} [ \; 4 \; \texttt{x} \; ] \; ) \; + \; \texttt{cosh} [ \; 4 \; \texttt{x} \; ] \; ) \; + \; \texttt{cosh} [ \; 4 \; \texttt{x} \; ] \; ) \; + \; \texttt{cosh} [ \; 4 \; \texttt{x} \; ] \; ) \; + \; \texttt{cosh} [ \; 6 \; \texttt{x} \; ] \; ) \; + \; \texttt{cosh} [ \; 6 \; \texttt{x} \; ] \; ) \; + \; \texttt{cosh} [ \; 6 \; \texttt{x} \; ] \; ) \; + \; \texttt{cosh} [ \; 6 \; \texttt{x} \; ] \; ) \; + \; \texttt{cosh} [ \; 6 \; \texttt{x} \; ] \; ) \; + \; \texttt{cosh} [ \; 6 \; \texttt{x} \; ] \; ) \; + \; \texttt{cosh} [ \; 6 \; \texttt{x} \; ] \; ) \; + \; \texttt{cosh} [ \; 6 \; \texttt{x} \; ] \; ) \; + \; \texttt{cosh} [ \; 6 \; \texttt{x} \; ] \; ) \; + \; \texttt{cosh} [ \; 6 \; \texttt{x} \; ] \; ) \; + \; \texttt{cosh} [ \; 6 \; \texttt{x} \; ] \; ) \; + \; \texttt{cosh} [ \; 6 \; \texttt{x} \; ] \; ) \; + \; \texttt{cosh} [ \; 6 \; \texttt{x} \; ] \; ) \; + \; \texttt{cosh} [ \; 6 \; \texttt{x} \; ] \; ) \; + \; \texttt{cosh} [ \; 6 \; \texttt{x} \; ] \; ) \; + \; \texttt{cosh} [ \; 6 \; \texttt{x} \; ] \; ) \; + \; \texttt{cosh} [ \; 6 \; \texttt{x} \; ] \; ) \; + \; \texttt{cosh} [ \; 6 \; \texttt{x} \; ] \; ) \; + \; \texttt{cosh} [ \; 6 \; \texttt{x} \; ] \; ) \; + \; \texttt{cosh} [ \; 6 \; \texttt{x} \; ] \; ) \; + \; \texttt{cosh} [ \; 6 \; \texttt{x} \; ] \; ) \; + \; \texttt{cosh} [ \; 6 \; \texttt{x} \; ] \; ) \; + \; \texttt{cosh} [ \; 6 \; \texttt{x} \; ] \; ) \; + \; \texttt{cosh} [ \; 6 \; \texttt{x} \; ] \; ) \; + \; \texttt{cosh} [ \; 6 \; \texttt{x} \; ] \; ) \; + \; \texttt{cosh} [ \; 6 \; \texttt{x} \; ] \; ) \; + \; \texttt{cosh} [ \; 6 \; \texttt{x} \; ] \; ) \; + \; \texttt{cosh} [ \; 6 \; \texttt{x} \; ] \; ) \; + \; \texttt{cosh} [ \; 6 \; \texttt{x} \; ] \; ) \; + \; \texttt{cosh} [ \; 6 \; \texttt{x} \; ] \; ) \; + \; \texttt{cosh} [ \; 6 \; \texttt{x} \; ] \; ) \; + \; \texttt{cosh} [ \; 6 \; \texttt{x} \; ] \; ) \; + \; \texttt{cosh} [ \; 6 \; \texttt{x} \; ] \; ) \; + \; \texttt{cosh} [ \; 6 \; \texttt{x} \; ] \; ) \; + \; \texttt{cosh} [ \; 6 \; \texttt{x} \; ] \; ) \; + \; \texttt{cosh} [ \; 6 \; \texttt{x}
                                                     c(3a-b+3c-4aCosh[2x]+4cCosh[2x]+aCosh[4x]+bCosh[4x]+cCosh[4x])
              \sqrt{\left(\frac{1}{2+b+a}\left(-2b-4c+\sqrt{2}\sqrt{2b^2-8ac+a(3a-b+3c-4a\cosh[2x]+4c\cosh[2x]+a\cosh[4x]+b\cosh[4x]+b\cosh[4x]+b\cosh[4x]+b\cosh[4x]+b\cosh[4x]+b\cosh[4x]+b\cosh[4x]+b\cosh[4x]+b\cosh[4x]+b\cosh[4x]+b\cosh[4x]+b\cosh[4x]+b\cosh[4x]+b\cosh[4x]+b\cosh[4x]+b\cosh[4x]+b\cosh[4x]+b\cosh[4x]+b\cosh[4x]+b\cosh[4x]+b\cosh[4x]+b\cosh[4x]+b\cosh[4x]+b\cosh[4x]+b\cosh[4x]+b\cosh[4x]+b\cosh[4x]+b\cosh[4x]+b\cosh[4x]+b\cosh[4x]+b\cosh[4x]+b\cosh[4x]+b\cosh[4x]+b\cosh[4x]+b\cosh[4x]+b\cosh[4x]+b\cosh[4x]+b\cosh[4x]+b\cosh[4x]+b\cosh[4x]+b\cosh[4x]+b\cosh[4x]+b\cosh[4x]+b\cosh[4x]+b\cosh[4x]+b\cosh[4x]+b\cosh[4x]+b\cosh[4x]+b\cosh[4x]+b\cosh[4x]+b\cosh[4x]+b\cosh[4x]+b\cosh[4x]+b\cosh[4x]+b\cosh[4x]+bhanden + bhanden + bhanden
                                                                                                                                                                   \verb|cCosh[4x]| + b(3a - b + 3c - 4aCosh[2x] + 4cCosh[2x] + aCosh[4x] + bCosh[4x] + cCosh[4x]) + cCosh[4x]| + 
                                                                                                                             c (3 a - b + 3 c - 4 a Cosh[2 x] + 4 c Cosh[2 x] + a Cosh[4 x] + b Cosh[4 x] + c Cosh[4 x]))
                   2a-2c+\sqrt{2}\sqrt{2b^2-8ac+a(3a-b+3c-4a\cosh[2x]+4c\cosh[2x]+a\cosh[4x]+b\cosh[4x]+b\cosh[4x]+c\cosh[4x])}
                                                                                       b \; (3\; a - b + 3\; c - 4\; a\; Cosh[2\; x] \; + \; 4\; c\; Cosh[2\; x] \; + \; a\; Cosh[4\; x] \; + \; b\; Cosh[4\; x] \; + \; c\; Cosh[4\; x] \; ) \; + \; c\; Cosh[4\; x] \; + \; c\; Cosh[4\; x] \; ) \; + \; c\; Cosh[4\; x] \; + \; c\; Cosh[4\; x] \; + \; c\; Cosh[4\; x] \; ) \; + \; c\; Cosh[4\; x] \; + 
                                                                                        c(3a-b+3c-4aCosh[2x]+4cCosh[2x]+aCosh[4x]+bCosh[4x]+cCosh[4x]))
              b \, Cosh[\, 4 \, x] \, + c \, Cosh[\, 4 \, x] \, ) \, + b \, (\, 3 \, a \, - \, b \, + \, 3 \, c \, - \, 4 \, a \, Cosh[\, 2 \, x] \, + \, 4 \, c \, Cosh[\, 2 \, x] \, + \, a \, Cosh[\, 4 \, x] \, + \, b \, Cosh[\, 4 \, x] \, + \, b \, Cosh[\, 4 \, x] \, + \, b \, Cosh[\, 4 \, x] \, + \, b \, Cosh[\, 4 \, x] \, + \, b \, Cosh[\, 4 \, x] \, + \, b \, Cosh[\, 4 \, x] \, + \, b \, Cosh[\, 4 \, x] \, + \, b \, Cosh[\, 4 \, x] \, + \, b \, Cosh[\, 4 \, x] \, + \, b \, Cosh[\, 4 \, x] \, + \, b \, Cosh[\, 4 \, x] \, + \, b \, Cosh[\, 4 \, x] \, + \, b \, Cosh[\, 4 \, x] \, + \, b \, Cosh[\, 4 \, x] \, + \, b \, Cosh[\, 4 \, x] \, + \, b \, Cosh[\, 4 \, x] \, + \, b \, Cosh[\, 4 \, x] \, + \, b \, Cosh[\, 4 \, x] \, + \, b \, Cosh[\, 4 \, x] \, + \, b \, Cosh[\, 4 \, x] \, + \, b \, Cosh[\, 4 \, x] \, + \, b \, Cosh[\, 4 \, x] \, + \, b \, Cosh[\, 4 \, x] \, + \, b \, Cosh[\, 4 \, x] \, + \, b \, Cosh[\, 4 \, x] \, + \, b \, Cosh[\, 4 \, x] \, + \, b \, Cosh[\, 4 \, x] \, + \, b \, Cosh[\, 4 \, x] \, + \, b \, Cosh[\, 4 \, x] \, + \, b \, Cosh[\, 4 \, x] \, + \, b \, Cosh[\, 4 \, x] \, + \, b \, Cosh[\, 4 \, x] \, + \, b \, Cosh[\, 4 \, x] \, + \, b \, Cosh[\, 4 \, x] \, + \, b \, Cosh[\, 4 \, x] \, + \, b \, Cosh[\, 4 \, x] \, + \, b \, Cosh[\, 4 \, x] \, + \, b \, Cosh[\, 4 \, x] \, + \, b \, Cosh[\, 4 \, x] \, + \, b \, Cosh[\, 4 \, x] \, + \, b \, Cosh[\, 4 \, x] \, + \, b \, Cosh[\, 4 \, x] \, + \, b \, Cosh[\, 4 \, x] \, + \, b \, Cosh[\, 4 \, x] \, + \, b \, Cosh[\, 4 \, x] \, + \, b \, Cosh[\, 4 \, x] \, + \, b \, Cosh[\, 4 \, x] \, + \, b \, Cosh[\, 4 \, x] \, + \, b \, Cosh[\, 4 \, x] \, + \, b \, Cosh[\, 4 \, x] \, + \, b \, Cosh[\, 4 \, x] \, + \, b \, Cosh[\, 4 \, x] \, + \, b \, Cosh[\, 4 \, x] \, + \, b \, Cosh[\, 4 \, x] \, + \, b \, Cosh[\, 4 \, x] \, + \, b \, Cosh[\, 4 \, x] \, + \, b \, Cosh[\, 4 \, x] \, + \, b \, Cosh[\, 4 \, x] \, + \, b \, Cosh[\, 4 \, x] \, + \, b \, Cosh[\, 4 \, x] \, + \, b \, Cosh[\, 4 \, x] \, + \, b \, Cosh[\, 4 \, x] \, + \, b \, Cosh[\, 4 \, x] \, + \, b \, Cosh[\, 4 \, x] \, + \, b \, Cosh[\, 4 \, x] \, + \, b \, Cosh[\, 4 \, x] \, + \, b \, Cosh[\, 4 \, x] \, + \, b \, Cosh[\, 4 \, x] \, + \, b \, Cosh[\, 4 \, x] \, + \, b \, Cosh[\, 4 \, x] \, + \, b \, Cosh[\, 4 \, x] \, + \, b \, Cosh[\, 4 \, x] \, + \, b \, Cosh[\, 4 \, x] \, + \, b \, Cosh[\, 4 \, x] \, + \, b \, Cosh[\, 4 \, x] \, + \, b \, Cosh[\, 4 \, x] \, + \, b \, Cosh[\, 4 \, x] \, + \, b \, Cosh[\, 4 \, x] \, + \, b \, C
                                                                                                                                                                               c \cosh[4x] + c (3a - b + 3c - 4a \cosh[2x] + 4c \cosh[2x] + a \cosh[4x] + b \cosh[4x] + c \cosh[4x])
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b \cosh[4x] + c \cosh[4x]) + b (3a - b + 3c - 4a \cosh[2x] + 4c \cosh[2x] + a \cosh[4x] + b \cosh[4x]
                                                          c \cosh[4x] + c (3a - b + 3c - 4a \cosh[2x] + 4c \cosh[2x] + a \cosh[4x] + b \cosh[4x] + c \cosh[4x])
       \left( \, \left( \, \left( \, 3 \, \, a \, - \, b \, + \, 3 \, \, c \, - \, 4 \, \, \left( \, a \, - \, c \right) \, \, Cosh\left[ \, 2 \, \, x \, \right] \, \, + \, \, \left( \, a \, + \, b \, + \, c \right) \, \, Cosh\left[ \, 4 \, \, x \, \right] \, \right) \, \, Csch\left[ \, x \, \right]^{\, 4} \, \right)^{\, 3/2} \, \right) \, + \, \left[ \, \left( \, - \, a \, + \, b \, \right) \, \, \left( \, 1 \, + \, Cosh\left[ \, 2 \, \, x \, \right] \, \right) \, \, \left( \, 1 \, + \, Cosh\left[ \, 2 \, \, x \, \right] \, \right) \, \, \left( \, 1 \, + \, Cosh\left[ \, 2 \, \, x \, \right] \, \right) \, \, \right) \, \, \left( \, 1 \, + \, Cosh\left[ \, 2 \, \, x \, \right] \, \right) \, \, \left( \, 1 \, + \, Cosh\left[ \, 2 \, \, x \, \right] \, \right) \, \, \left( \, 1 \, + \, Cosh\left[ \, 2 \, \, x \, \right] \, \right) \, \, \left( \, 1 \, + \, Cosh\left[ \, 2 \, \, x \, \right] \, \right) \, \, \left( \, 1 \, + \, Cosh\left[ \, 2 \, \, x \, \right] \, \right) \, \, \left( \, 1 \, + \, Cosh\left[ \, 2 \, \, x \, \right] \, \right) \, \, \left( \, 1 \, + \, Cosh\left[ \, 2 \, \, x \, \right] \, \right) \, \, \left( \, 1 \, + \, Cosh\left[ \, 2 \, \, x \, \right] \, \right) \, \, \left( \, 1 \, + \, Cosh\left[ \, 2 \, \, x \, \right] \, \right) \, \, \left( \, 1 \, + \, Cosh\left[ \, 2 \, \, x \, \right] \, \right) \, \, \left( \, 1 \, + \, Cosh\left[ \, 2 \, \, x \, \right] \, \right) \, \, \left( \, 1 \, + \, Cosh\left[ \, 2 \, \, x \, \right] \, \right) \, \, \left( \, 1 \, + \, Cosh\left[ \, 2 \, \, x \, \right] \, \right) \, \, \left( \, 1 \, + \, Cosh\left[ \, 2 \, \, x \, \right] \, \right) \, \, \left( \, 1 \, + \, Cosh\left[ \, 2 \, \, x \, \right] \, \right) \, \, \left( \, 1 \, + \, Cosh\left[ \, 2 \, \, x \, \right] \, \right) \, \, \left( \, 1 \, + \, Cosh\left[ \, 2 \, \, x \, \right] \, \right) \, \, \left( \, 1 \, + \, Cosh\left[ \, 2 \, \, x \, \right] \, \right) \, \, \left( \, 1 \, + \, Cosh\left[ \, 2 \, \, x \, \right] \, \right) \, \, \left( \, 1 \, + \, Cosh\left[ \, 2 \, \, x \, \right] \, \right) \, \, \left( \, 1 \, + \, Cosh\left[ \, 2 \, \, x \, \right] \, \right) \, \, \left( \, 1 \, + \, Cosh\left[ \, 2 \, \, x \, \right] \, \right) \, \, \left( \, 1 \, + \, Cosh\left[ \, 2 \, \, x \, \right] \, \right) \, \, \left( \, 1 \, + \, Cosh\left[ \, 2 \, \, x \, \right] \, \right) \, \, \left( \, 1 \, + \, Cosh\left[ \, 2 \, \, x \, \right] \, \right) \, \, \left( \, 1 \, + \, Cosh\left[ \, 2 \, \, x \, \right] \, \right) \, \, \left( \, 1 \, + \, Cosh\left[ \, 2 \, \, x \, \right] \, \right) \, \, \left( \, 1 \, + \, Cosh\left[ \, 2 \, \, x \, \right] \, \right) \, \, \left( \, 1 \, + \, Cosh\left[ \, 2 \, \, x \, \right] \, \right) \, \, \left( \, 1 \, + \, Cosh\left[ \, 2 \, \, x \, \right] \, \right) \, \, \left( \, 1 \, + \, Cosh\left[ \, 2 \, \, x \, \right] \, \, \right) \, \, \left( \, 1 \, + \, Cosh\left[ \, 2 \, \, x \, \right] \, \right) \, \, \left( \, 1 \, + \, Cosh\left[ \, 2 \, \, x \, \right] \, \right) \, \, \left( \, 1 \, + \, Cosh\left[ \, 2 \, \, x \, \right] \, \, \left( \, 1 \, + \, Cosh\left[ \, 2 \, \, x \, \right] \, \right) \, \, \left( \, 1 \, + \, Cosh\left[ \, 2 \, \, x \, \right] \, \right) \, \, \left( \, 1 \, + \, Cosh\left[ \, 2 \, \, x \, \right] \, \right) \, \, \left( \, 1 \, + \, Cosh\left[ \, 2 \, \, x
       (3 a - b + 3 c - 4 (a - c) Cosh[2x] + (a + b + c) Cosh[4x])
               3a-b+3c+(-4a+4c) Cosh[2x]+(a+b+c) Cosh[4x]
      Coth[x]
       Csch[x]^2
      Log[b+2 a Tanh[x]^{2}+2 \sqrt{a} \sqrt{c+b Tanh[x]^{2}+a Tanh[x]^{4}}]
                                                     2 a Cosh[x] Coth[2 x] Sinh[x]
           \sqrt{3 a - b + 3 c - 4 (a - c) Cosh[2x] + (a + b + c) Cosh[4x]}
                                                         2 a Cosh[x] Csch[2x] Sinh[x]
                \sqrt{3 a - b + 3 c - 4 (a - c) Cosh[2x] + (a + b + c) Cosh[4x]}
                                                         2 b Cosh[x] Csch[2x] Sinh[x]
                \sqrt{3 a - b + 3 c - 4 (a - c) \cosh[2 x] + (a + b + c) \cosh[4 x]}
                                                    2 a Coth[2x] Csch[2x] Sinh[x]<sup>2</sup>
                \sqrt{3 a - b + 3 c - 4 (a - c) \cosh[2 x] + (a + b + c) \cosh[4 x]}
                                                2 b Coth[2x] Csch[2x] Sinh[x]^{2}
                \sqrt{3 a - b + 3 c - 4 (a - c) \cosh[2 x] + (a + b + c) \cosh[4 x]}
                                                                2 \operatorname{aCsch}[2x]^2 \operatorname{Sinh}[x]^2
                \sqrt{3 a - b + 3 c - 4 (a - c) \cosh[2 x] + (a + b + c) \cosh[4 x]}
               a Coth[2x] Sinh[x]^{2} (-8 (a-c) Sinh[2x] + 4 (a+b+c) Sinh[4x])
                           2(3a-b+3c-4(a-c) Cosh[2x] + (a+b+c) Cosh[4x])^{3/2}
               a \operatorname{Csch}[2 x] \operatorname{Sinh}[x]^{2} (-8 (a-c) \operatorname{Sinh}[2 x] + 4 (a+b+c) \operatorname{Sinh}[4 x])
                           2 (3 a - b + 3 c - 4 (a - c) Cosh[2 x] + (a + b + c) Cosh[4 x])^{3/2}
               \left(8\,\sqrt{2}\,\,\sqrt{a}\,\,\left(-a+b+a\,Cosh\,[\,2\,x\,]\,\right)\,\sqrt{\,3\,\,a-b+3\,\,c+\,\left(-4\,\,a+4\,\,c\,\right)\,\,Cosh\,[\,2\,x\,]\,+\,\left(a+b+c\right)\,\,Cosh\,[\,4\,x\,]\,}\right)
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\sqrt{(3 a - b + 3 c - 4 (a - c) Cosh[2 x] + (a + b + c) Cosh[4 x]) Csch[x]^4} +
a \, Cosh[2 \, x] \, (3 \, a - b + 3 \, c - 4 \, (a - c) \, Cosh[2 \, x] + (a + b + c) \, Cosh[4 \, x])
                           \left(2\; a\; \sqrt{\; 3\; a\; -\; b\; +\; 3\; c\; -\; 4\; a\; Cosh\left[\; 2\; x\; \right]\; +\; 4\; c\; Cosh\left[\; 2\; x\; \right]\; +\; a\; Cosh\left[\; 4\; x\; \right]\; +\; b\; Cosh\left[\; 4\; x\; \right]\; +\; c\; Cosh\left[\;
                                               2\ b\ \sqrt{3\ a-b+3\ c-4\ a\ Cosh[2\ x]\ +4\ c\ Cosh[2\ x]\ +a\ Cosh[4\ x]\ +b\ Cosh[4\ x]\ +c\ Cosh[4\ x]\ +c\
                                                 2 c \sqrt{3 a - b + 3 c - 4 a Cosh[2 x] + 4 c Cosh[2 x] + a Cosh[4 x] + b Cosh[4 x] + c Cosh[4 x]}
                         c \, Cosh[\,4\,\,x]\,\,) \,\,+\,b \,\,(3\,\,a\,-\,b\,+\,3\,\,c\,-\,4\,\,a \,\,Cosh[\,2\,\,x]\,\,+\,4\,\,c \,\,Cosh[\,2\,\,x]\,\,+\,a \,\,Cosh[\,4\,\,x]\,\,+\,b \,\,Cosh[\,4\,\,x]\,\,+\,c \,\,Cosh[\,4\,\,x]\,\,) \,\,+\,b \,\,Cosh[\,4\,\,x]\,\,+\,b \,\,Cosh[\,4\,
                                                                                                                                   c (3 a - b + 3 c - 4 a Cosh[2 x] + 4 c Cosh[2 x] + a Cosh[4 x] + b Cosh[4 x] + c Cosh[4 x]))
                       Csch[x]^2
                                               \frac{1}{\sqrt{a}} \operatorname{ArcTanh} \left[ \left( (2 a + b) \sqrt{3 a - b + 3 c - 4 a \operatorname{Cosh}[2 x] + 4 c \operatorname{Cosh}[2 x] + a \operatorname{Cosh}[4 x] + b \operatorname{Cosh}[4 x] + c \operatorname{Cosh}[4 x]} \right) \right/
                                                                                      2\sqrt{a}\sqrt{(2b^2-8ac+a(3a-b+3c-4aCosh[2x]+4cCosh[2x]+aCosh[4x]+bCosh[4x]+cCosh[4x])}
                                                                                                                                             b\;(3\;a-b+3\;c-4\;a\;Cosh[\,2\,x\,]\;+\;4\;c\;Cosh[\,2\,x\,]\;+\;a\;Cosh[\,4\,x\,]\;+\;b\;Cosh[\,4\,x\,]\;+\;c\;Cosh[\,4\,x\,]\;)\;+\;c\;Cosh[\,4\,x\,]\;+\;c\;Cosh[\,4\,x\,]\;+\;c\;Cosh[\,4\,x\,]\;+\;c\;Cosh[\,4\,x\,]\;+\;c\;Cosh[\,4\,x\,]\;+\;c\;Cosh[\,4\,x\,]\;+\;c\;Cosh[\,4\,x\,]\;+\;c\;Cosh[\,4\,x\,]\;+\;c\;Cosh[\,4\,x\,]\;+\;c\;Cosh[\,4\,x\,]\;+\;c\;Cosh[\,4\,x\,]\;+\;c\;Cosh[\,4\,x\,]\;+\;c\;Cosh[\,4\,x\,]\;+\;c\;Cosh[\,4\,x\,]\;+\;c\;Cosh[\,4\,x\,]\;+\;c\;Cosh[\,4\,x\,]\;+\;c\;Cosh[\,4\,x\,]\;+\;c\;Cosh[\,4\,x\,]\;+\;c\;Cosh[\,4\,x\,]\;+\;c\;Cosh[\,4\,x\,]\;+\;c\;Cosh[\,4\,x\,]\;+\;c\;Cosh[\,4\,x\,]\;+\;c\;Cosh[\,4\,x\,]\;+\;c\;Cosh[\,4\,x\,]\;+\;c\;Cosh[\,4\,x\,]\;+\;c\;Cosh[\,4\,x\,]\;+\;c\;Cosh[\,4\,x\,]\;+\;c\;Cosh[\,4\,x\,]\;+\;c\;Cosh[\,4\,x\,]\;+\;c\;Cosh[\,4\,x\,]\;+\;c\;Cosh[\,4\,x\,]\;+\;c\;Cosh[\,4\,x\,]\;+\;c\;Cosh[\,4\,x\,]\;+\;c\;Cosh[\,4\,x\,]\;+\;c\;Cosh[\,4\,x\,]\;+\;c\;Cosh[\,4\,x\,]\;+\;c\;Cosh[\,4\,x\,]\;+\;c\;Cosh[\,4\,x\,]\;+\;c\;Cosh[\,4\,x\,]\;+\;c\;Cosh[\,4\,x\,]\;+\;c\;Cosh[\,4\,x\,]\;+\;c\;Cosh[\,4\,x\,]\;+\;c\;Cosh[\,4\,x\,]\;+\;c\;Cosh[\,4\,x\,]\;+\;c\;Cosh[\,4\,x\,]\;+\;c\;Cosh[\,4\,x\,]\;+\;c\;Cosh[\,4\,x\,]\;+\;c\;Cosh[\,4\,x\,]\;+\;c\;Cosh[\,4\,x\,]\;+\;c\;Cosh[\,4\,x\,]\;+\;c\;Cosh[\,4\,x\,]\;+\;c\;Cosh[\,4\,x\,]\;+\;c\;Cosh[\,4\,x\,]\;+\;c\;Cosh[\,4\,x\,]\;+\;c\;Cosh[\,4\,x\,]\;+\;c\;Cosh[\,4\,x\,]\;+\;c\;Cosh[\,4\,x\,]\;+\;c\;Cosh[\,4\,x\,]\;+\;c\;Cosh[\,4\,x\,]\;+\;c\;Cosh[\,4\,x\,]\;+\;c\;Cosh[\,4\,x\,]\;+\;c\;Cosh[\,4\,x\,]\;+\;c\;Cosh[\,4\,x\,]\;+\;c\;Cosh[\,4\,x\,]\;+\;c\;Cosh[\,4\,x\,]\;+\;c\;Cosh[\,4\,x\,]\;+\;c\;Cosh[\,4\,x\,]\;+\;c\;Cosh[\,4\,x\,]\;+\;c\;Cosh[\,4\,x\,]\;+\;c\;Cosh[\,4\,x\,]\;+\;c\;Cosh[\,4\,x\,]\;+\;c\;Cosh[\,4\,x\,]\;+\;c\;Cosh[\,4\,x\,]\;+\;c\;Cosh[\,4\,x\,]\;+\;c\;Cosh[\,4\,x\,]\;+\;c\;Cosh[\,4\,x\,]\;+\;c\;Cosh[\,4\,x\,]\;+\;c\;Cosh[\,4\,x\,]\;+\;c\;Cosh[\,4\,x\,]\;+\;c\;Cosh[\,4\,x\,]\;+\;c\;Cosh[\,4\,x\,]\;+\;c\;Cosh[\,4\,x\,]\;+\;c\;Cosh[\,4\,x\,]\;+\;c\;Cosh[\,4\,x\,]\;+\;c\;Cosh[\,4\,x\,]\;+\;c\;Cosh[\,4\,x\,]\;+\;c\;Cosh[\,4\,x\,]\;+\;c\;Cosh[\,4\,x\,]\;+\;c\;Cosh[\,4\,x\,]\;+\;c\;Cosh[\,4\,x\,]\;+\;c\;Cosh[\,4\,x\,]\;+\;c\;Cosh[\,4\,x\,]\;+\;c\;Cosh[\,4\,x\,]\;+\;c\;Cosh[\,4\,x\,]\;+\;c\;Cosh[\,4\,x\,]\;+\;c\;Cosh[\,4\,x\,]\;+\;c\;Cosh[\,4\,x\,]\;+\;c\;Cosh[\,4\,x\,]\;+\;c\;Cosh[\,4\,x\,]\;+\;c\;Cosh[\,4\,x\,]\;+\;c\;Cosh[\,4\,x\,]\;+\;c\;Cosh[\,4\,x\,]\;+\;c\;Cosh[\,4\,x\,]\;+\;c\;Cosh[\,4\,x\,]\;+\;c\;Cosh[\,4\,x\,]\;+\;c\;Cosh[\,4\,x\,]\;+\;c\;Cosh[\,4\,x\,]\;+\;c\;Cosh[\,4\,x\,]\;+\;c\;Cosh[\,4\,x\,]\;+\;c\;Cosh[\,4\,x\,]\;+\;c\;Cosh[\,4\,x\,]\;+\;c\;Cosh[\,4\,x\,]\;+\;c\;Cosh[\,4\,x\,]\;+\;c\;Cosh[\,4\,x\,]\;+\;c\;Cosh[\,4\,x\,]\;+\;c\;Cosh[\,4\,x\,]\;+\;c\;Cosh[\,4\,x\,]\;+\;c\;Cosh[\,4\,x\,]\;+\;c\;Cosh[\,4\,x\,]\;+\;c\;Cosh[\,4\,x\,]\;+\;c\;Cosh[\,4\,x\,]\;+\;c\;Cosh[\,4
                                                                                                                                             c(3a-b+3c-4aCosh[2x]+4cCosh[2x]+aCosh[4x]+bCosh[4x]+cCosh[4x])))
                                                 \frac{1}{\sqrt{a+b+c}} 2 \log[2(a\sqrt{3a-b+3c-4a} \cosh[2x]+4c \cosh[2x]+a \cosh[4x]+b \cosh[4x]+c \cosh[4x]+c \cosh[4x]) + c \cosh[4x]+c \cosh[4x
                                                                                                                        b\sqrt{3}a - b + 3c - 4a Cosh[2x] + 4c Cosh[2x] + a Cosh[4x] + b Cosh[4x] + c Cosh[4x] + c Cosh[4x]
                                                                                                                                     \sqrt{3} a - b + 3 c - 4 a Cosh[2 x] + 4 c Cosh[2 x] + a Cosh[4 x] + b Cosh[4 x] + c Cosh[4 x] + \sqrt{a + b + c}
                                                                                                                                   \sqrt{(2b^2 - 8ac + a(3a - b + 3c - 4aCosh[2x] + 4cCosh[2x] + aCosh[4x] + bCosh[4x] + bCosh[4x])} + cCosh[4x] + bCosh[4x] + bCos
                                                                                                                                                                       b(3a-b+3c-4aCosh[2x]+4cCosh[2x]+aCosh[4x]+bCosh[4x]+cCosh[4x])
                                                                                                                                                                       c (3 a - b + 3 c - 4 a Cosh[2 x] + 4 c Cosh[2 x] + a Cosh[4 x] + b Cosh[4 x] + c Cosh[4 x]))
                              (-4 \text{ a Sinh}[2x] + 4 \text{ c Sinh}[2x] + 2 \text{ a Sinh}[4x] + 2 \text{ b Sinh}[4x] + 2 \text{ c Sinh}[4x])
                                                                                                                                                                   2 a Cosh[x] Coth[2 x] Sinh[x]
                                        \sqrt{3 a - b + 3 c - 4 (a - c) \cosh[2 x] + (a + b + c) \cosh[4 x]}
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2 a Cosh[x] Csch[2x] Sinh[x]
                                        \sqrt{3 a - b + 3 c - 4 (a - c) \cosh[2 x] + (a + b + c) \cosh[4 x]}
                                                                                                                                                       2 b Cosh[x] Csch[2x] Sinh[x]
                                        \sqrt{3 a - b + 3 c - 4 (a - c) \cosh[2 x] + (a + b + c) \cosh[4 x]}
                                                                                                                                              2 \text{ a Coth}[2 \text{ x}] \text{ Csch}[2 \text{ x}] \text{ Sinh}[\text{x}]^2
                                        \sqrt{3 a - b + 3 c - 4 (a - c) \cosh[2 x] + (a + b + c) \cosh[4 x]}
                                                                                                                                            2 b Coth[2 x] Csch[2 x] Sinh[x]^{2}
                                        \sqrt{3 a - b + 3 c - 4 (a - c) \cosh[2 x] + (a + b + c) \cosh[4 x]}
                                                                                                                                                                                     2 \operatorname{aCsch}[2x]^2 \operatorname{Sinh}[x]^2
                                      \sqrt{3 a - b + 3 c - 4 (a - c) \cosh[2 x] + (a + b + c) \cosh[4 x]}
                                     a Coth[2x] Sinh[x]^{2} (-8 (a-c) Sinh[2x] + 4 (a+b+c) Sinh[4x])
                                                                    2(3a-b+3c-4(a-c) Cosh[2x] + (a+b+c) Cosh[4x])^{3/2}
                                     a \operatorname{Csch}[2x] \operatorname{Sinh}[x]^{2} (-8 (a-c) \operatorname{Sinh}[2x] + 4 (a+b+c) \operatorname{Sinh}[4x])
                                                                    2(3a-b+3c-4(a-c) Cosh[2x] + (a+b+c) Cosh[4x])^{3/2}
                                  \frac{b \, \text{Csch}[\, 2 \, \text{x}] \, \, \text{Sinh}[\, \text{x}\,]^{\, 2} \, \, (-8 \, \, (\text{a} - \text{c}) \, \, \text{Sinh}[\, 2 \, \text{x}\,] \, + 4 \, \, (\text{a} + \text{b} + \text{c}) \, \, \text{Sinh}[\, 4 \, \text{x}\,] \,)}{2 \, \, (3 \, \text{a} - \text{b} + 3 \, \text{c} - 4 \, \, (\text{a} - \text{c}) \, \, \text{Cosh}[\, 2 \, \text{x}\,] \, + \, (\text{a} + \text{b} + \text{c}) \, \, \text{Cosh}[\, 4 \, \text{x}\,] \,)^{\, 3/2}}
32 \; (-a+b+a \; Cosh[2 \; x]) \; \sqrt{3} \; a-b+3 \; c-4 \; a \; Cosh[2 \; x] \; + \; 4 \; c \; Cosh[2 \; x] \; + \; a \; Cosh[4 \; x] \; + \; b \; Cosh[4 \; x] \; + \; c \; Cosh[4 \; x] \; + \; b \; Cosh[
             \sqrt{(2b^2 - 8ac + a(3a - b + 3c - 4aCosh[2x] + 4cCosh[2x] + aCosh[4x] + bCosh[4x] + cCosh[4x])}
                                            \texttt{b} \; ( \; \texttt{3} \; \texttt{a} \; - \; \texttt{b} \; + \; \texttt{3} \; \texttt{c} \; - \; \texttt{4} \; \texttt{a} \; \texttt{Cosh} [ \; 2 \; \texttt{x} ] \; + \; \texttt{4} \; \texttt{c} \; \texttt{Cosh} [ \; 2 \; \texttt{x} ] \; + \; \texttt{a} \; \texttt{Cosh} [ \; 4 \; \texttt{x} ] \; + \; \texttt{b} \; \texttt{Cosh} [ \; 4 \; \texttt{x} ] \; + \; \texttt{c} \; \texttt{Cosh} [ \; 4 \; \texttt{x} ] \; ) \; + \; \texttt{cosh} [ \; 4 \; \texttt{x} ] \; ) \; + \; \texttt{cosh} [ \; 4 \; \texttt{x} ] \; ) \; + \; \texttt{cosh} [ \; 4 \; \texttt{x} ] \; ) \; + \; \texttt{cosh} [ \; 4 \; \texttt{x} ] \; ) \; + \; \texttt{cosh} [ \; 4 \; \texttt{x} ] \; ) \; + \; \texttt{cosh} [ \; 4 \; \texttt{x} ] \; ) \; + \; \texttt{cosh} [ \; 4 \; \texttt{x} ] \; ) \; + \; \texttt{cosh} [ \; 4 \; \texttt{x} ] \; ) \; + \; \texttt{cosh} [ \; 4 \; \texttt{x} ] \; ) \; + \; \texttt{cosh} [ \; 4 \; \texttt{x} ] \; ) \; + \; \texttt{cosh} [ \; 4 \; \texttt{x} ] \; ) \; + \; \texttt{cosh} [ \; 4 \; \texttt{x} ] \; ) \; + \; \texttt{cosh} [ \; 4 \; \texttt{x} ] \; ) \; + \; \texttt{cosh} [ \; 4 \; \texttt{x} ] \; ) \; + \; \texttt{cosh} [ \; 4 \; \texttt{x} ] \; ) \; + \; \texttt{cosh} [ \; 4 \; \texttt{x} ] \; ) \; + \; \texttt{cosh} [ \; 4 \; \texttt{x} ] \; ) \; + \; \texttt{cosh} [ \; 4 \; \texttt{x} ] \; ) \; + \; \texttt{cosh} [ \; 4 \; \texttt{x} ] \; ) \; + \; \texttt{cosh} [ \; 4 \; \texttt{x} ] \; ) \; + \; \texttt{cosh} [ \; 4 \; \texttt{x} ] \; ) \; + \; \texttt{cosh} [ \; 4 \; \texttt{x} ] \; ) \; + \; \texttt{cosh} [ \; 4 \; \texttt{x} ] \; ) \; + \; \texttt{cosh} [ \; 4 \; \texttt{x} ] \; ) \; + \; \texttt{cosh} [ \; 4 \; \texttt{x} ] \; ) \; + \; \texttt{cosh} [ \; 4 \; \texttt{x} ] \; ) \; + \; \texttt{cosh} [ \; 4 \; \texttt{x} ] \; ) \; + \; \texttt{cosh} [ \; 4 \; \texttt{x} ] \; ) \; + \; \texttt{cosh} [ \; 4 \; \texttt{x} ] \; ) \; + \; \texttt{cosh} [ \; 4 \; \texttt{x} ] \; ) \; + \; \texttt{cosh} [ \; 4 \; \texttt{x} ] \; ) \; + \; \texttt{cosh} [ \; 4 \; \texttt{x} ] \; ) \; + \; \texttt{cosh} [ \; 4 \; \texttt{x} ] \; ) \; + \; \texttt{cosh} [ \; 4 \; \texttt{x} ] \; ) \; + \; \texttt{cosh} [ \; 4 \; \texttt{x} ] \; ) \; + \; \texttt{cosh} [ \; 4 \; \texttt{x} ] \; ) \; + \; \texttt{cosh} [ \; 4 \; \texttt{x} ] \; ) \; + \; \texttt{cosh} [ \; 4 \; \texttt{x} ] \; ) \; + \; \texttt{cosh} [ \; 4 \; \texttt{x} ] \; ) \; + \; \texttt{cosh} [ \; 4 \; \texttt{x} ] \; ) \; + \; \texttt{cosh} [ \; 4 \; \texttt{x} ] \; ) \; + \; \texttt{cosh} [ \; 4 \; \texttt{x} ] \; ) \; + \; \texttt{cosh} [ \; 4 \; \texttt{x} ] \; ) \; + \; \texttt{cosh} [ \; 4 \; \texttt{x} ] \; ) \; + \; \texttt{cosh} [ \; 4 \; \texttt{x} ] \; ) \; + \; \texttt{cosh} [ \; 4 \; \texttt{x} ] \; ) \; + \; \texttt{cosh} [ \; 4 \; \texttt{x} ] \; ) \; + \; \texttt{cosh} [ \; 4 \; \texttt{x} ] \; ) \; + \; \texttt{cosh} [ \; 4 \; \texttt{x} ] \; ) \; + \; \texttt{cosh} [ \; 4 \; \texttt{x} ] \; ) \; + \; \texttt{cosh} [ \; 4 \; \texttt{x} ] \; ) \; + \; \texttt{cosh} [ \; 4 \; \texttt{x} ] \; ) \; + \; \texttt{cosh} [ \; 4 \; \texttt{x} ] \; ) \; + \; \texttt{cosh} [ \; 4 \; \texttt{x} ] \; ) \; + \; \texttt{cos
                                              c(3a-b+3c-4aCosh[2x]+4cCosh[2x]+aCosh[4x]+bCosh[4x]+cCosh[4x])
            \sqrt{\frac{1}{a+b+c}} \left( -2b-4c+\sqrt{2} \sqrt{2b^2-8ac+a(3a-b+3c-4a\cosh[2x]+4c\cosh[2x]+a\cosh[4x]+b\cosh[4x]+b\cosh[4x]+b\cosh[4x]+b\cosh[4x]+b\cosh[4x]+b\cosh[4x]+b\cosh[4x]+b\cosh[4x]+b\cosh[4x]+b\cosh[4x]+b\cosh[4x]+b\cosh[4x]+b\cosh[4x]+b\cosh[4x]+b\cosh[4x]+b\cosh[4x]+b\cosh[4x]+b\cosh[4x]+b\cosh[4x]+b\cosh[4x]+b\cosh[4x]+b\cosh[4x]+b\cosh[4x]+b\cosh[4x]+b\cosh[4x]+b\cosh[4x]+b\cosh[4x]+b\cosh[4x]+b\cosh[4x]+b\cosh[4x]+b\cosh[4x]+b\cosh[4x]+b\cosh[4x]+b\cosh[4x]+b\cosh[4x]+b\cosh[4x]+b\cosh[4x]+b\cosh[4x]+b\cosh[4x]+b\cosh[4x]+b\cosh[4x]+b\cosh[4x]+b\cosh[4x]+b\cosh[4x]+b\cosh[4x]+b\cosh[4x]+b\cosh[4x]+b\cosh[4x]+b\cosh[4x]+b\cosh[4x]+b\cosh[4x]+b\cosh[4x]+b\cosh[4x]+b\cosh[4x]+b\cosh[4x]+b\cosh[4x]+b\cosh[4x]+b\cosh[4x]+b\cosh[4x]+b\cosh[4x]+b\cosh[4x]+b\cosh[4x]+bhanden + bhanden + bhande
                                                                                                                                               \texttt{c} \; \texttt{Cosh[4\,x])} \; + \; \texttt{b} \; (3\; \texttt{a} \; - \; \texttt{b} \; + \; 3\; \texttt{c} \; - \; 4\; \texttt{a} \; \texttt{Cosh[2\,x]} \; + \; 4\; \texttt{c} \; \texttt{Cosh[2\,x]} \; + \; \texttt{a} \; \texttt{Cosh[4\,x]} \; + \; \texttt{b} \; \texttt{Cosh[4\,x]} \; + \; \texttt{b} \; \texttt{Cosh[4\,x]} \; + \; \texttt{c} \; \texttt{cosh[4\,x]} \; + \; \texttt{cosh[
                                                                                                             c (3 a - b + 3 c - 4 a Cosh[2 x] + 4 c Cosh[2 x] + a Cosh[4 x] + b Cosh[4 x] + c Cosh[4 x]))
                 2a-2c+\sqrt{2}\sqrt{2b^2-8ac+a(3a-b+3c-4a\cosh[2x]+4c\cosh[2x]+a\cosh[4x]+b\cosh[4x]+b\cosh[4x]+c\cosh[4x])}
                                                                             b (3 a - b + 3 c - 4 a Cosh[2 x] + 4 c Cosh[2 x] + a Cosh[4 x] + b Cosh[4 x] + c Cosh[4 x]) + b Cosh[4 x]
                                                                             c (3 a - b + 3 c - 4 a Cosh[2 x] + 4 c Cosh[2 x] + a Cosh[4 x] + b Cosh[4 x] + c Cosh[4 x]))
            \sqrt{\left(-1 + \frac{1}{2 (a + b + c)} \left(2 a - 2 c + \sqrt{2} \sqrt{\left(2 b^2 - 8 a c + a (3 a - b + 3 c - 4 a Cosh[2 x] + 4 c Cosh[2 x] + a Cosh[4 x] + a Cosh[
                                                                                                                                                         b\, Cosh[\, 4\, x] \, + c\, Cosh[\, 4\, x]\,\,) \, + b\, (\, 3\, a - b + 3\, c - 4\, a\, Cosh[\, 2\, x]\,\, + \, 4\, c\, Cosh[\, 2\, x]\,\, + \, a\, Cosh[\, 4\, x]\,\, + \, b\, Cosh[\, 4\, 
                                                                                                                                                          c \cosh[4x] + c (3a - b + 3c - 4a \cosh[2x] + 4c \cosh[2x] + a \cosh[4x] + b \cosh[4x] + c \cosh[4x])
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\sqrt{\left[1 + \frac{1}{2 (a + b + c)} \left(2 a - 2 c + \sqrt{2} \sqrt{2 b^2 - 8 a c + a (3 a - b + 3 c - 4 a Cosh[2 x] + 4 c Cosh[2 x] + a Cosh[4 x
                                                                                                                        b \cosh[4x] + c \cosh[4x] + b (3a - b + 3c - 4a \cosh[2x] + 4c \cosh[2x] + a \cosh[4x] + b \cosh[4
                                                                                                                       c \cosh[4x] + c (3a - b + 3c - 4a \cosh[2x] + 4c \cosh[2x] + a \cosh[4x] + b \cosh[4x] + c \cosh[4x])
                \sqrt{ (3 a - b + 3 c - 4 (a - c) Cosh[2 x] + (a + b + c) Cosh[4 x]) Csch[x]^{4} } + | (-a + b) (1 + Cosh[2 x]) 
                 (3 a - b + 3 c - 4 (a - c) Cosh[2x] + (a + b + c) Cosh[4x])
                Coth[x]
                Csch[x]^2
                Log[b+2 a Tanh[x]^2 + 2 \sqrt{a} \sqrt{c+b Tanh[x]^2 + a Tanh[x]^4}]
                                                                                                                                        a\, \texttt{Coth}\, [\, 2\,\, x\, ]\,\, \texttt{Sinh}\, [\, x\, ]^{\, 2}
                          \sqrt{3 a - b + 3 c - 4 (a - c) \cosh[2x] + (a + b + c) \cosh[4x]}
                                                                                                                                               a \operatorname{Csch}[2x] \operatorname{Sinh}[x]^2
                                    \sqrt{3 a - b + 3 c - 4 (a - c) Cosh[2 x] + (a + b + c) Cosh[4 x]}
                                                                                                                                        b \operatorname{Csch}[2x] \operatorname{Sinh}[x]^2
                                    \sqrt{3 a - b + 3 c - 4 (a - c) \cosh[2 x] + (a + b + c) \cosh[4 x]}
                                  4 (3 a - b + 3 c + (-4 a + 4 c) Cosh[2 x] + (a + b + c) Cosh[4 x]) Sinh[2 x]
                                                                                                                                                                                                       (1 + Cosh[2x])^3
                                 \frac{2 \left(-4 \, a+4 \, c\right) \, Sinh[2 \, x] + 4 \, (a+b+c) \, Sinh[4 \, x]}{\left(1 + Cosh[2 \, x]\right)^2}
      16\,\sqrt{2}\,\,\sqrt{a}\,\,\left(-a+b+a\,Cosh[\,2\,x]\,\right)\,\sqrt{3\,a-b+3\,c+\,\left(-4\,a+4\,c\right)\,Cosh[\,2\,x]\,+\,\left(a+b+c\right)\,Cosh[\,4\,x]}
                                 \frac{3 a - b + 3 c + (-4 a + 4 c) Cosh[2 x] + (a + b + c) Cosh[4 x]}{(1 + Cosh[2 x])^{2}}
                \sqrt{(3 a - b + 3 c - 4 (a - c) Cosh[2 x] + (a + b + c) Cosh[4 x]) Csch[x]^4}
a \cosh[2x] (3a-b+3c-4(a-c) \cosh[2x] + (a+b+c) \cosh[4x])
                  \left(2\,a\,\sqrt{\,3\,a-b+3\,c-4\,a\,Cosh[\,2\,x]\,+4\,c\,Cosh[\,2\,x]\,+a\,Cosh[\,4\,x]\,+b\,Cosh[\,4\,x]\,+c\,Cosh[\,4\,x]}\,\right.\\ \left.+\left(2\,a\,\sqrt{\,3\,a-b+3\,c-4\,a\,Cosh[\,2\,x]\,+4\,c\,Cosh[\,2\,x]\,+a\,Cosh[\,4\,x]\,+b\,Cosh[\,4\,x]\,+c\,Cosh[\,4\,x]\,+c\,Cosh[\,4\,x]\,+c\,Cosh[\,4\,x]\,+c\,Cosh[\,4\,x]\,+c\,Cosh[\,4\,x]\,+c\,Cosh[\,4\,x]\,+c\,Cosh[\,4\,x]\,+c\,Cosh[\,4\,x]\,+c\,Cosh[\,4\,x]\,+c\,Cosh[\,4\,x]\,+c\,Cosh[\,4\,x]\,+c\,Cosh[\,4\,x]\,+c\,Cosh[\,4\,x]\,+c\,Cosh[\,4\,x]\,+c\,Cosh[\,4\,x]\,+c\,Cosh[\,4\,x]\,+c\,Cosh[\,4\,x]\,+c\,Cosh[\,4\,x]\,+c\,Cosh[\,4\,x]\,+c\,Cosh[\,4\,x]\,+c\,Cosh[\,4\,x]\,+c\,Cosh[\,4\,x]\,+c\,Cosh[\,4\,x]\,+c\,Cosh[\,4\,x]\,+c\,Cosh[\,4\,x]\,+c\,Cosh[\,4\,x]\,+c\,Cosh[\,4\,x]\,+c\,Cosh[\,4\,x]\,+c\,Cosh[\,4\,x]\,+c\,Cosh[\,4\,x]\,+c\,Cosh[\,4\,x]\,+c\,Cosh[\,4\,x]\,+c\,Cosh[\,4\,x]\,+c\,Cosh[\,4\,x]\,+c\,Cosh[\,4\,x]\,+c\,Cosh[\,4\,x]\,+c\,Cosh[\,4\,x]\,+c\,Cosh[\,4\,x]\,+c\,Cosh[\,4\,x]\,+c\,Cosh[\,4\,x]\,+c\,Cosh[\,4\,x]\,+c\,Cosh[\,4\,x]\,+c\,Cosh[\,4\,x]\,+c\,Cosh[\,4\,x]\,+c\,Cosh[\,4\,x]\,+c\,Cosh[\,4\,x]\,+c\,Cosh[\,4\,x]\,+c\,Cosh[\,4\,x]\,+c\,Cosh[\,4\,x]\,+c\,Cosh[\,4\,x]\,+c\,Cosh[\,4\,x]\,+c\,Cosh[\,4\,x]\,+c\,Cosh[\,4\,x]\,+c\,Cosh[\,4\,x]\,+c\,Cosh[\,4\,x]\,+c\,Cosh[\,4\,x]\,+c\,Cosh[\,4\,x]\,+c\,Cosh[\,4\,x]\,+c\,Cosh[\,4\,x]\,+c\,Cosh[\,4\,x]\,+c\,Cosh[\,4\,x]\,+c\,Cosh[\,4\,x]\,+c\,Cosh[\,4\,x]\,+c\,Cosh[\,4\,x]\,+c\,Cosh[\,4\,x]\,+c\,Cosh[\,4\,x]\,+c\,Cosh[\,4\,x]\,+c\,Cosh[\,4\,x]\,+c\,Cosh[\,4\,x]\,+c\,Cosh[\,4\,x]\,+c\,Cosh[\,4\,x]\,+c\,Cosh[\,4\,x]\,+c\,Cosh[\,4\,x]\,+c\,Cosh[\,4\,x]\,+c\,Cosh[\,4\,x]\,+c\,Cosh[\,4\,x]\,+c\,Cosh[\,4\,x]\,+c\,Cosh[\,4\,x]\,+c\,Cosh[\,4\,x]\,+c\,Cosh[\,4\,x]\,+c\,Cosh[\,4\,x]\,+c\,Cosh[\,4\,x]\,+c\,Cosh[\,4\,x]\,+c\,Cosh[\,4\,x]\,+c\,Cosh[\,4\,x]\,+c\,Cosh[\,4\,x]\,+c\,Cosh[\,4\,x]\,+c\,Cosh[\,4\,x]\,+c\,Cosh[\,4\,x]\,+c\,Cosh[\,4\,x]\,+c\,Cosh[\,4\,x]\,+c\,Cosh[\,4\,x]\,+c\,Cosh[\,4\,x]\,+c\,Cosh[\,4\,x]\,+c\,Cosh[\,4\,x]\,+c\,Cosh[\,4\,x]\,+c\,Cosh[\,4\,x]\,+c\,Cosh[\,4\,x]\,+c\,Cosh[\,4\,x]\,+c\,Cosh[\,4\,x]\,+c\,Cosh[\,4\,x]\,+c\,Cosh[\,4\,x]\,+c\,Cosh[\,4\,x]\,+c\,Cosh[\,4\,x]\,+c\,Cosh[\,4\,x]\,+c\,Cosh[\,4\,x]\,+c\,Cosh[\,4\,x]\,+c\,Cosh[\,4\,x]\,+c\,Cosh[\,4\,x]\,+c\,Cosh[\,4\,x]\,+c\,Cosh[\,4\,x]\,+c\,Cosh[\,4\,x]\,+c\,Cosh[\,4\,x]\,+c\,Cosh[\,4\,x]\,+c\,Cosh[\,4\,x]\,+c\,Cosh[\,4\,x]\,+c\,Cosh[\,4\,x]\,+c\,Cosh[\,4\,x]\,+c\,Cosh[\,4\,x]\,+c\,Cosh[\,4\,x]\,+c\,Cosh[\,4\,x]\,+c\,Cosh[\,4\,x]\,+c\,Cosh[\,4\,x]\,+c\,Cosh[\,4\,x]\,+c\,Cosh[\,4\,x]\,+c\,Cosh[\,4\,x]\,+c\,Cosh[\,4\,x]\,+c\,Cosh[\,4\,x]\,+c\,Cosh[\,4\,x]\,+c\,Cosh[\,4\,x]\,+c\,Cosh[\,4\,x]\,+c\,Cosh[\,4\,x]\,+c\,Cosh[\,4\,x]\,+c\,C
                                2 b \sqrt{3 a - b + 3 c - 4 a \cosh[2 x] + 4 c \cosh[2 x] + a \cosh[4 x] + b \cosh[4 x] + c \cosh[4 x]} + c \cosh[4 x]
                                2 c \sqrt{3 a - b + 3 c - 4 a Cosh[2 x] + 4 c Cosh[2 x] + a Cosh[4 x] + b Cosh[4 x] + c Cosh[4 x]}
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\sqrt{\left(\frac{1}{2+b+a}\left(4\,a+2\,b+\sqrt{2}\,\sqrt{\left(2\,b^2-8\,a\,c+a\,\left(3\,a-b+3\,c-4\,a\,Cosh[2\,x]+4\,c\,Cosh[2\,x]+a\,Cosh[4\,x]+b\,Cosh[4\,x]\right.\right)}\right)}
                                                                   c \, Cosh[4 \, x]) + b \, (3 \, a - b + 3 \, c - 4 \, a \, Cosh[2 \, x] + 4 \, c \, Cosh[2 \, x] + a \, Cosh[4 \, x] + b \, Cosh[4 \, x] + c \, Cosh[4 \, x]) + c \, Cosh[4 \, x] + c \, Cosh[4 \, x]) + c \, Cosh[4 \, x]) + c \, Cosh[4 \, x] + c \, Cosh[4 \, x]) + c \,
                                                  c(3a-b+3c-4aCosh[2x]+4cCosh[2x]+aCosh[4x]+bCosh[4x]+cCosh[4x])) | Csch[x]^2
                                                                                     a Coth[2x] Sinh[x]^2
                                                                                                                                                                                                                                                                             \sqrt{3 a - b + 3 c - 4 (a - c) \cosh[2 x] + (a + b + c) \cosh[4 x]}
       \sqrt{3 a - b + 3 c - 4 (a - c) \cosh[2 x] + (a + b + c) \cosh[4 x]}
                                                                                           b Csch[2x] Sinh[x]<sup>2</sup>
              \sqrt{3 a - b + 3 c - 4 (a - c) \cosh[2 x] + (a + b + c) \cosh[4 x]}
  (-4 \text{ a Sinh}[2 \text{ x}] + 4 \text{ c Sinh}[2 \text{ x}] + 2 \text{ a Sinh}[4 \text{ x}] + 2 \text{ b Sinh}[4 \text{ x}] + 2 \text{ c Sinh}[4 \text{ x}])
      \left( -8 \text{ a Sinh} \left[ 2 \text{ x} \right] + 8 \text{ c Sinh} \left[ 2 \text{ x} \right] + 4 \text{ a Sinh} \left[ 4 \text{ x} \right] + 4 \text{ b Sinh} \left[ 4 \text{ x} \right] + 4 \text{ c Sinh} \left[ 4 \text{ x} \right] \right) \right/
                    \left(1-\frac{3 \text{ a} - \text{b} + 3 \text{ c} - 4 \text{ a} \text{ Cosh}[2 \text{ x}] + 4 \text{ c} \text{ Cosh}[2 \text{ x}] + \text{a} \text{ Cosh}[4 \text{ x}] + \text{b} \text{ Cosh}[4 \text{ x}] + \text{c} \text{ Cosh}[4 \text{ x}]}{8 \text{ a}}\right)
              \left( (2 \text{ a} + \text{b}) (-8 \text{ a} \text{Sinh}[2 \text{ x}] + 8 \text{ c} \text{Sinh}[2 \text{ x}] + 4 \text{ a} \text{Sinh}[4 \text{ x}] + 4 \text{ b} \text{Sinh}[4 \text{ x}] + 4 \text{ c} \text{Sinh}[4 \text{ x}] \right) \right)
                                  \sqrt{\left(2\,b^2-8\,a\,c+a\,\left(3\,a-b+3\,c-4\,a\,Cosh[\,2\,x]\,+4\,c\,Cosh[\,2\,x]\,+a\,Cosh[\,4\,x]\,+b\,Cosh[\,4\,x]\,+c\,Cosh[\,4\,x]\,\right)}
                                                              b \; (3 \; a - b + 3 \; c - 4 \; a \; Cosh[2 \; x] \; + \; 4 \; c \; Cosh[2 \; x] \; + \; a \; Cosh[4 \; x] \; + \; b \; Cosh[4 \; x] \; + \; c \; Cosh[4 \; x] \; ) \; + \; c \; Cosh[4 \; x] \; ) \; + \; c \; Cosh[4 \; x] \; ) \; + \; c \; Cosh[4 \; x] \; ) \; + \; c \; Cosh[4 \; x] \; ) \; + \; c \; Cosh[4 \; x] \; ) \; + \; c \; Cosh[4 \; x] \; ) \; + \; c \; Cosh[4 \; x] \; ) \; + \; c \; Cosh[4 \; x] \; ) \; + \; c \; Cosh[4 \; x] \; ) \; + \; c \; Cosh[4 \; x] \; ) \; + \; c \; Cosh[4 \; x] \; ) \; + \; c \; Cosh[4 \; x] \; ) \; + \; c \; Cosh[4 \; x] \; ) \; + \; c \; Cosh[4 \; x] \; ) \; + \; c \; Cosh[4 \; x] \; ) \; + \; c \; Cosh[4 \; x] \; ) \; + \; c \; Cosh[4 \; x] \; ) \; + \; c \; Cosh[4 \; x] \; ) \; + \; c \; Cosh[4 \; x] \; ) \; + \; c \; Cosh[4 \; x] \; ) \; + \; c \; Cosh[4 \; x] \; ) \; + \; c \; Cosh[4 \; x] \; ) \; + \; c \; Cosh[4 \; x] \; ) \; + \; c \; Cosh[4 \; x] \; ) \; + \; c \; Cosh[4 \; x] \; ) \; + \; c \; Cosh[4 \; x] \; ) \; + \; c \; Cosh[4 \; x] \; ) \; + \; c \; Cosh[4 \; x] \; ) \; + \; c \; Cosh[4 \; x] \; ) \; + \; c \; Cosh[4 \; x] \; ) \; + \; c \; Cosh[4 \; x] \; ) \; + \; c \; Cosh[4 \; x] \; ) \; + \; c \; Cosh[4 \; x] \; ) \; + \; c \; Cosh[4 \; x] \; ) \; + \; c \; Cosh[4 \; x] \; + \; c \; Cosh[4 \; x] \; ) \; + \; c \; Cosh[4 \; x] \; ) \; + \; c \; Cosh[4 \; x] \; ) \; + \; c \; Cosh[4 \; x] \; + \; c \; Cosh[4 \; x] \; ) \; + \; c \; Cosh[4 \; x] \; ) \; + \; c \; Cosh[4 \; x] \; + \; c 
                                                             c(3a-b+3c-4aCosh[2x]+4cCosh[2x]+aCosh[4x]+bCosh[4x]+cCosh[4x]))
                             (2 a + b) \sqrt{3 a - b + 3 c - 4 a \cosh[2 x] + 4 c \cosh[2 x] + a \cosh[4 x] + b \cosh[4 x] + c \cosh[4 x]}
                                             (a (-8 a Sinh[2x] + 8 c Sinh[2x] + 4 a Sinh[4x] + 4 b Sinh[4x] + 4 c Sinh[4x]) +
                                                      b (-8 \text{ a Sinh}[2x] + 8 \text{ c Sinh}[2x] + 4 \text{ a Sinh}[4x] + 4 \text{ b Sinh}[4x] + 4 \text{ c Sinh}[4x]) +
                                                        c(-8 \text{ a Sinh}[2x] + 8 \text{ c Sinh}[2x] + 4 \text{ a Sinh}[4x] + 4 \text{ b Sinh}[4x] + 4 \text{ c Sinh}[4x]))
                                   4\sqrt{a}(2b^2 - 8ac + a(3a - b + 3c - 4aCosh[2x] + 4cCosh[2x] + aCosh[4x] + bCosh[4x] + cCosh[4x]) + aCosh[4x]
                                                              \texttt{b} \; (3 \; \texttt{a} \; - \; \texttt{b} \; + \; 3 \; \texttt{c} \; - \; 4 \; \texttt{a} \; \texttt{Cosh} [\; 2 \; \texttt{x}\;] \; + \; 4 \; \texttt{c} \; \texttt{Cosh} [\; 2 \; \texttt{x}\;] \; + \; \texttt{a} \; \texttt{Cosh} [\; 4 \; \texttt{x}\;] \; + \; \texttt{b} \; \texttt{Cosh} [\; 4 \; \texttt{x}\;] \; + \; \texttt{c} \; \texttt{Cosh} [\; 4 \; \texttt{x}\;] \; ) \; + \; \texttt{c} \; \texttt{cosh} [\; 4 \; \texttt{x}\;] \; + \; \texttt{c} \; \texttt{cosh} [\; 4 \; \texttt{x}\;] \; ) \; + \; \texttt{cosh} [\; 4 \; \texttt{x}\;] \; +
                                                             c (3 \text{ a} - \text{b} + 3 \text{ c} - 4 \text{ a} \text{ Cosh}[2 \text{ x}] + 4 \text{ c} \text{ Cosh}[2 \text{ x}] + \text{a} \text{ Cosh}[4 \text{ x}] + \text{b} \text{ Cosh}[4 \text{ x}] + \text{c} \text{ Cosh}[4 \text{ x}])
                  \sqrt{a} \left(1 - \left((2a+b)^2(3a-b+3c-4a\cosh[2x]+4c\cosh[2x]+a\cosh[4x]+b\cosh[4x]+b\cosh[4x]+c\cosh[4x]\right)\right)
                                             (4 a (2 b^2 - 8 a c + a (3 a - b + 3 c - 4 a Cosh[2 x] + 4 c Cosh[2 x] + a Cosh[4 x] + b Cosh[4 x] + c Cosh[4 x]) + c Cosh[4 x])
                                                                  b (3 a - b + 3 c - 4 a Cosh[2x] + 4 c Cosh[2x] + a Cosh[4x] + b Cosh[4x] + c Cosh[4x])
                                                                  c(3a-b+3c-4aCosh[2x]+4cCosh[2x]+aCosh[4x]+bCosh[4x]+cCosh[4x]))))
                                              a \; (-8 \; a \; Sinh[2 \; x] \; + \; 8 \; c \; Sinh[2 \; x] \; + \; 4 \; a \; Sinh[4 \; x] \; + \; 4 \; b \; Sinh[4 \; x] \; + \; 4 \; c \; Sinh[4 \; x] \; ) \\
                             2\sqrt{3 a - b + 3 c - 4 a \cosh[2x] + 4 c \cosh[2x] + a \cosh[4x] + b \cosh[4x] + c \cosh[4x]}
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 \texttt{b} \; (-\texttt{8} \; \texttt{a} \; \texttt{Sinh} [\, 2 \; \texttt{x}\,] \; + \; \texttt{8} \; \texttt{c} \; \texttt{Sinh} [\, 2 \; \texttt{x}\,] \; + \; \texttt{4} \; \texttt{a} \; \texttt{Sinh} [\, 4 \; \texttt{x}\,] \; + \; \texttt{4} \; \texttt{b} \; \texttt{Sinh} [\, 4 \; \texttt{x}\,] \; + \; \texttt{4} \; \texttt{c} \; \texttt{Sinh} [\, 4 \; \texttt{x}\,] \; ) 
                                                                                                                                 2\sqrt{3} a - b + 3 c - 4 a Cosh[2x] + 4 c Cosh[2x] + a Cosh[4x] + b Cosh[4x] + c Cosh[4x]
                                                                                                                                                                             c (-8 a Sinh[2x] + 8 c Sinh[2x] + 4 a Sinh[4x] + 4 b Sinh[4x] + 4 c Sinh[4x])
                                                                                                                                 2\sqrt{3} a - b + 3 c - 4 a Cosh[2x] + 4 c Cosh[2x] + a Cosh[4x] + b Cosh[4x] + c Cosh[4x]
                                                                                                                              \sqrt{a+b+c} (a (-8 a Sinh[2x] + 8 c Sinh[2x] + 4 a Sinh[4x] + 4 b Sinh[4x] + 4 c Sinh[4x]) +
                                                                                                                                                                                                    b (-8 a Sinh[2x] + 8 c Sinh[2x] + 4 a Sinh[4x] + 4 b Sinh[4x] + 4 c Sinh[4x]) +
                                                                                                                                                                                                      c(-8 \text{ a Sinh}[2 \text{ x}] + 8 \text{ c Sinh}[2 \text{ x}] + 4 \text{ a Sinh}[4 \text{ x}] + 4 \text{ b Sinh}[4 \text{ x}] + 4 \text{ c Sinh}[4 \text{ x}]))
                                                                                                                                           (2\sqrt{2b^2-8} \text{ a c} + \text{a } (3\text{ a} - \text{b} + 3\text{ c} - 4\text{ a } \cosh[2x] + 4\text{ c } \cosh[2x] + \text{a } \cosh[4x] + \text{b } \cosh[4x] + \text{c } \cosh[4x])) + \text{c } \cosh[4x] + \text{c } \cosh[4x
                                                                                                                                                                                                                      \texttt{b} \; (3 \; \texttt{a} \; - \; \texttt{b} \; + \; 3 \; \texttt{c} \; - \; 4 \; \texttt{a} \; \texttt{Cosh} \lceil 2 \; \texttt{x} \rceil \; + \; 4 \; \texttt{c} \; \texttt{Cosh} \lceil 2 \; \texttt{x} \rceil \; + \; \texttt{a} \; \texttt{Cosh} \lceil 4 \; \texttt{x} \rceil \; + \; \texttt{b} \; \texttt{Cosh} \lceil 4 \; \texttt{x} \rceil \; + \; \texttt{c} \; \texttt{Cosh} \lceil 4 \; \texttt{x} \rceil \; ) \; + \; \texttt{cosh} \lceil 4 \; \texttt{cosh} \rceil \; + \; \texttt{cosh} \lceil 4 \; \texttt{cosh} \rceil \; + \; \texttt{cosh} \lceil 4 \; \texttt{cosh} \rceil \; + \; \texttt{cosh} \lceil 4 \; \texttt{cosh} \rceil \; + \; \texttt{cosh} \lceil 4 \; \texttt{cosh} \rceil \; + \; \texttt{cosh} \lceil 4 \; \texttt{cosh} \rceil \; + \; \texttt{cosh} \lceil 4 \; \texttt{cosh} \rceil \; + \; \texttt{cosh} \lceil 4 \; \texttt{cosh} \rceil \; + \; \texttt{cosh} \lceil 4 \; \texttt{cosh} \rceil \; + \; \texttt{cosh} \lceil 4 \; \texttt{cosh} \rceil \; + \; \texttt{cosh} \lceil 4 \; \texttt{cosh} \rceil \; + \; \texttt{cosh} \lceil 4 \; \texttt{cosh} \rceil \; + \; \texttt{cosh} \lceil 4 \; \texttt{cosh} \rceil \; + \; \texttt{cosh} \lceil 4 \; \texttt{cosh} \rceil \; + \; \texttt{cosh} \lceil 4 \; \texttt{cosh} \rceil \; + \; \texttt{cosh} \lceil 4 \; \texttt{cosh} \rceil \; + \; \texttt{cosh} \lceil 4 \; \texttt{cosh} \rceil \; + \; \texttt{cosh} \lceil 4 \; \texttt{cosh} \rceil \; + \; \texttt{cosh} \lceil 4 \; \texttt{cosh} \rceil \; + \; \texttt{cosh} \lceil 4 \; \texttt{cosh} \rceil \; + \; \texttt{cosh} \lceil 4 \; \texttt{cosh} \rceil \; + \; \texttt{cosh} \lceil 4 \; \texttt{cosh} \rceil \; + \; \texttt{cosh} \lceil 4 \; \texttt{cosh} \rceil \; + \; \texttt{cosh} \lceil 4 \; \texttt{cosh} \rceil \; + \; \texttt{cosh} \lceil 4 \; \texttt{cosh} \rceil \; + \; \texttt{cosh} \lceil 4 \; \texttt{cosh} \rceil \; + \; \texttt{cosh} \lceil 4 \; \texttt{cosh} \rceil \; + \; \texttt{cosh} \lceil 4 \; \texttt{cosh} \rceil \; + \; \texttt{cosh} \lceil 4 \; \texttt{cosh} \rceil \; + \; \texttt{cosh} \lceil 4 \; \texttt{cosh} \rceil \; + \; \texttt{cosh} \lceil 4 \; \texttt{cosh} \rceil \; + \; \texttt{cosh} \lceil 4 \; \texttt{cosh} \rceil \; + \; \texttt{cosh} \lceil 4 \; \texttt{cosh} \rceil \; + \; \texttt{cosh} \lceil 4 \; \texttt{cosh} \rceil \; + \; \texttt{cosh} \lceil 4 \; \texttt{cosh} \rceil \; + \; \texttt{cosh} \lceil 4 \; \texttt{cosh} \rceil \; + \; \texttt{cosh} \lceil 4 \; \texttt{cosh} \rceil \; + \; \texttt{cosh} \lceil 4 \; \texttt{cosh} \rceil \; + \; \texttt{cosh} \lceil 4 \; \texttt{cosh} \rceil \; + \; \texttt{cosh} \lceil 4 \; \texttt{cosh} \rceil \; + \; \texttt{cosh} \lceil 4 \; \texttt{cosh} \rceil \; + \; \texttt{cosh} \lceil 4 \; \texttt{cosh} \rceil \; + \; \texttt{cosh} \lceil 4 \; \texttt{cosh} \rceil \; + \; \texttt{cosh} \lceil 4 \; \texttt{cosh} \rceil \; + \; \texttt{cosh} \lceil 4 \; \texttt{cosh} \rceil \; + \; \texttt{cosh} \lceil 4 \; \texttt{cosh} \rceil \; + \; \texttt{cosh} \lceil 4 \; \texttt{cosh} \rceil \; + \; \texttt{cosh} \lceil 4 \; \texttt{cosh} \rceil \; + \; \texttt{cosh} \lceil 4 \; \texttt{cosh} \rceil \; + \; \texttt{cosh} \lceil 4 \; \texttt{cosh} \rceil \; + \; \texttt{cosh} \lceil 4 \; \texttt{cosh} \rceil \; + \; \texttt{cosh} \lceil 4 \; \texttt{cosh} \rceil \; + \; \texttt{cosh} \lceil 4 \; \texttt{cosh} \rceil \; + \; \texttt{cosh} \lceil 4 \; \texttt{cosh} \rceil \; + \; \texttt{cosh} \lceil 4 \; \texttt{cosh} \rceil \; + \; \texttt{cosh} \lceil 4 \; \texttt{cosh} \rceil \; + \; \texttt{cosh} \lceil 4 \; \texttt{cosh} \rceil \; + \; \texttt{cosh} \lceil 4 \; \texttt{cosh} \rceil \; + \; \texttt{cosh} \lceil 4 \; \texttt{cosh} \rceil \; + \; \texttt{cosh} \lceil 4 \; \texttt{cosh} \rceil \; + \; \texttt{cosh} \lceil 4 
                                                                                                                                                                                                                    \texttt{c} \; \left( \; 3 \; \texttt{a} \; - \; \texttt{b} \; + \; 3 \; \texttt{c} \; - \; 4 \; \texttt{a} \; \texttt{Cosh} \left[ \; 2 \; \texttt{x} \; \right] \; + \; 4 \; \texttt{c} \; \texttt{Cosh} \left[ \; 2 \; \texttt{x} \; \right] \; + \; \texttt{a} \; \texttt{Cosh} \left[ \; 4 \; \texttt{x} \; \right] \; + \; \texttt{b} \; \texttt{Cosh} \left[ \; 4 \; \texttt{x} \; \right] \; + \; \texttt{c} \; \texttt{Cosh} \left[ \; 4 \; \texttt{x} \; \right] \; + \; \texttt{c} \; \texttt{Cosh} \left[ \; 4 \; \texttt{x} \; \right] \; + \; \texttt{c} \; \texttt{Cosh} \left[ \; 4 \; \texttt{x} \; \right] \; + \; \texttt{c} \; \texttt{Cosh} \left[ \; 4 \; \texttt{x} \; \right] \; + \; \texttt{c} \; \texttt{Cosh} \left[ \; 4 \; \texttt{x} \; \right] \; + \; \texttt{c} \; \texttt{Cosh} \left[ \; 4 \; \texttt{x} \; \right] \; + \; \texttt{c} \; \texttt{cosh} \left[ \; 4 \; \texttt{x} \; \right] \; + \; \texttt{c} \; \texttt{cosh} \left[ \; 4 \; \texttt{x} \; \right] \; + \; \texttt{c} \; \texttt{cosh} \left[ \; 4 \; \texttt{x} \; \right] \; + \; \texttt{c} \; \texttt{cosh} \left[ \; 4 \; \texttt{x} \; \right] \; + \; \texttt{c} \; \texttt{cosh} \left[ \; 4 \; \texttt{x} \; \right] \; + \; \texttt{c} \; \texttt{cosh} \left[ \; 4 \; \texttt{x} \; \right] \; + \; \texttt{c} \; \texttt{cosh} \left[ \; 4 \; \texttt{x} \; \right] \; + \; \texttt{c} \; \texttt{cosh} \left[ \; 4 \; \texttt{x} \; \right] \; + \; \texttt{c} \; \texttt{cosh} \left[ \; 4 \; \texttt{x} \; \right] \; + \; \texttt{c} \; \texttt{cosh} \left[ \; 4 \; \texttt{x} \; \right] \; + \; \texttt{c} \; \texttt{cosh} \left[ \; 4 \; \texttt{x} \; \right] \; + \; \texttt{c} \; \texttt{cosh} \left[ \; 4 \; \texttt{x} \; \right] \; + \; \texttt{c} \; \texttt{cosh} \left[ \; 4 \; \texttt{x} \; \right] \; + \; \texttt{c} \; \texttt{cosh} \left[ \; 4 \; \texttt{x} \; \right] \; + \; \texttt{c} \; \texttt{cosh} \left[ \; 4 \; \texttt{x} \; \right] \; + \; \texttt{c} \; \texttt{cosh} \left[ \; 4 \; \texttt{x} \; \right] \; + \; \texttt{c} \; \texttt{cosh} \left[ \; 4 \; \texttt{x} \; \right] \; + \; \texttt{c} \; \texttt{cosh} \left[ \; 4 \; \texttt{x} \; \right] \; + \; \texttt{c} \; \texttt{cosh} \left[ \; 4 \; \texttt{x} \; \right] \; + \; \texttt{c} \; \texttt{cosh} \left[ \; 4 \; \texttt{x} \; \right] \; + \; \texttt{c} \; \texttt{cosh} \left[ \; 4 \; \texttt{x} \; \right] \; + \; \texttt{c} \; \texttt{cosh} \left[ \; 4 \; \texttt{x} \; \right] \; + \; \texttt{c} \; \texttt{cosh} \left[ \; 4 \; \texttt{x} \; \right] \; + \; \texttt{c} \; \texttt{cosh} \left[ \; 4 \; \texttt{x} \; \right] \; + \; \texttt{c} \; \texttt{cosh} \left[ \; 4 \; \texttt{x} \; \right] \; + \; \texttt{c} \; \texttt{cosh} \left[ \; 4 \; \texttt{x} \; \right] \; + \; \texttt{c} \; \texttt{cosh} \left[ \; 4 \; \texttt{x} \; \right] \; + \; \texttt{c} \; \texttt{cosh} \left[ \; 4 \; \texttt{x} \; \right] \; + \; \texttt{c} \; \texttt{cosh} \left[ \; 4 \; \texttt{x} \; \right] \; + \; \texttt{c} \; \texttt{cosh} \left[ \; 4 \; \texttt{x} \; \right] \; + \; \texttt{c} \; \texttt{cosh} \left[ \; 4 \; \texttt{x} \; \right] \; + \; \texttt{c} \; \texttt{cosh} \left[ \; 4 \; \texttt{x} \; \right] \; + \; \texttt{c} \; \texttt{cosh} \left[ \; 4 \; \texttt{x} \; \right] \; + \; \texttt{c} \; \texttt{cosh} \left[ \; 4 \; \texttt{x} \; \right] \; + \; \texttt{c} \; \texttt{cosh} \left[ \; 4 \; \texttt{x} \; \right] \; + \; \texttt{c} \; \texttt{cosh} \left[ \; 4 \; \texttt{x} \; \right] \; + \; \texttt{c} \; \texttt{cosh} \left[ \; 4 \; \texttt{x} \; \right] \; + \; \texttt{c} \; \texttt{cosh} \left[ \; 4 \; \texttt{x} \; \right] \; + \; \texttt{c} \; \texttt{cosh} \left[ \; 4 \; \texttt{x} \; \right] \; + \; \texttt{c} \; \texttt{cosh} \left[ \; 4 
                                                                   \sqrt{a+b+c} \left( a \sqrt{3} \ a-b+3 \ c-4 \ a \ Cosh[2 \ x] \ +4 \ c \ Cosh[2 \ x] \ +a \ Cosh[4 \ x] \ +b \ Cosh[4 \ x] \ +c \ Cosh[4
                                                                                                                          b\sqrt{3}a - b + 3c - 4a Cosh[2x] + 4c Cosh[2x] + a Cosh[4x] + b Cosh[4x] + c Cosh[4x] + c Cosh[4x]
                                                                                                                            {\tt c}\,\sqrt{\,3\,a-b+3\,c-4\,a\,Cosh[\,2\,x]\,+\,4\,c\,Cosh[\,2\,x]\,+\,a\,Cosh[\,4\,x]\,+\,b\,Cosh[\,4\,x]\,+\,c\,Cosh[\,4\,x]\,\,+\,\sqrt{\,a+b+c\,Cosh[\,4\,x]\,+\,c\,Cosh[\,4\,x]\,+\,\sqrt{\,a+b+c\,Cosh[\,4\,x]\,+\,c\,Cosh[\,4\,x]\,+\,c\,Cosh[\,4\,x]\,+\,\sqrt{\,a+b+c\,Cosh[\,4\,x]\,+\,c\,Cosh[\,4\,x]\,+\,c\,Cosh[\,4\,x]\,+\,c\,Cosh[\,4\,x]\,+\,c\,Cosh[\,4\,x]\,+\,c\,Cosh[\,4\,x]\,+\,c\,Cosh[\,4\,x]\,+\,c\,Cosh[\,4\,x]\,+\,c\,Cosh[\,4\,x]\,+\,c\,Cosh[\,4\,x]\,+\,c\,Cosh[\,4\,x]\,+\,c\,Cosh[\,4\,x]\,+\,c\,Cosh[\,4\,x]\,+\,c\,Cosh[\,4\,x]\,+\,c\,Cosh[\,4\,x]\,+\,c\,Cosh[\,4\,x]\,+\,c\,Cosh[\,4\,x]\,+\,c\,Cosh[\,4\,x]\,+\,c\,Cosh[\,4\,x]\,+\,c\,Cosh[\,4\,x]\,+\,c\,Cosh[\,4\,x]\,+\,c\,Cosh[\,4\,x]\,+\,c\,Cosh[\,4\,x]\,+\,c\,Cosh[\,4\,x]\,+\,c\,Cosh[\,4\,x]\,+\,c\,Cosh[\,4\,x]\,+\,c\,Cosh[\,4\,x]\,+\,c\,Cosh[\,4\,x]\,+\,c\,Cosh[\,4\,x]\,+\,c\,Cosh[\,4\,x]\,+\,c\,Cosh[\,4\,x]\,+\,c\,Cosh[\,4\,x]\,+\,c\,Cosh[\,4\,x]\,+\,c\,Cosh[\,4\,x]\,+\,c\,Cosh[\,4\,x]\,+\,c\,Cosh[\,4\,x]\,+\,c\,Cosh[\,4\,x]\,+\,c\,Cosh[\,4\,x]\,+\,c\,Cosh[\,4\,x]\,+\,c\,Cosh[\,4\,x]\,+\,c\,Cosh[\,4\,x]\,+\,c\,Cosh[\,4\,x]\,+\,c\,Cosh[\,4\,x]\,+\,c\,Cosh[\,4\,x]\,+\,c\,Cosh[\,4\,x]\,+\,c\,Cosh[\,4\,x]\,+\,c\,Cosh[\,4\,x]\,+\,c\,Cosh[\,4\,x]\,+\,c\,Cosh[\,4\,x]\,+\,c\,Cosh[\,4\,x]\,+\,c\,Cosh[\,4\,x]\,+\,c\,Cosh[\,4\,x]\,+\,c\,Cosh[\,4\,x]\,+\,c\,Cosh[\,4\,x]\,+\,c\,Cosh[\,4\,x]\,+\,c\,Cosh[\,4\,x]\,+\,c\,Cosh[\,4\,x]\,+\,c\,Cosh[\,4\,x]\,+\,c\,Cosh[\,4\,x]\,+\,c\,Cosh[\,4\,x]\,+\,c\,Cosh[\,4\,x]\,+\,c\,Cosh[\,4\,x]\,+\,c\,Cosh[\,4\,x]\,+\,c\,Cosh[\,4\,x]\,+\,c\,Cosh[\,4\,x]\,+\,c\,Cosh[\,4\,x]\,+\,c\,Cosh[\,4\,x]\,+\,c\,Cosh[\,4\,x]\,+\,c\,Cosh[\,4\,x]\,+\,c\,Cosh[\,4\,x]\,+\,c\,Cosh[\,4\,x]\,+\,c\,Cosh[\,4\,x]\,+\,c\,Cosh[\,4\,x]\,+\,c\,Cosh[\,4\,x]\,+\,c\,Cosh[\,4\,x]\,+\,c\,Cosh[\,4\,x]\,+\,c\,Cosh[\,4\,x]\,+\,c\,Cosh[\,4\,x]\,+\,c\,Cosh[\,4\,x]\,+\,c\,Cosh[\,4\,x]\,+\,c\,Cosh[\,4\,x]\,+\,c\,Cosh[\,4\,x]\,+\,c\,Cosh[\,4\,x]\,+\,c\,Cosh[\,4\,x]\,+\,c\,Cosh[\,4\,x]\,+\,c\,Cosh[\,4\,x]\,+\,c\,Cosh[\,4\,x]\,+\,c\,Cosh[\,4\,x]\,+\,c\,Cosh[\,4\,x]\,+\,c\,Cosh[\,4\,x]\,+\,c\,Cosh[\,4\,x]\,+\,c\,Cosh[\,4\,x]\,+\,c\,Cosh[\,4\,x]\,+\,c\,Cosh[\,4\,x]\,+\,c\,Cosh[\,4\,x]\,+\,c\,Cosh[\,4\,x]\,+\,c\,Cosh[\,4\,x]\,+\,c\,Cosh[\,4\,x]\,+\,c\,Cosh[\,4\,x]\,+\,c\,Cosh[\,4\,x]\,+\,c\,Cosh[\,4\,x]\,+\,c\,Cosh[\,4\,x]\,+\,c\,Cosh[\,4\,x]\,+\,c\,Cosh[\,4\,x]\,+\,c\,Cosh[\,4\,x]\,+\,c\,Cosh[\,4\,x]\,+\,c\,Cosh[\,4\,x]\,+\,c\,Cosh[\,4\,x]\,+\,c\,Cosh[\,4\,x]\,+\,c\,Cosh[\,4\,x]\,+\,c\,Cosh[\,4\,x]\,+\,c\,Cosh[\,4\,x]\,+\,c\,Cosh[\,4\,x]\,+\,c\,Cosh[\,4\,x]\,+\,c\,Cosh[\,4\,x]\,+\,c\,Cosh[\,4\,x]\,+\,c\,Cosh[\,4\,x]\,+\,c\,Cosh[\,4\,x]\,+\,c\,Cosh[\,4\,x]\,+\,c\,Cosh[\,4\,x]\,+\,c\,Cosh[\,4\,x]\,+\,c\,Cosh[\,4\,x]\,+\,c\,Cosh[\,4\,x]\,+\,c\,Co
                                                                                                                                         \sqrt{(2b^2 - 8ac + a(3a - b + 3c - 4aCosh[2x] + 4cCosh[2x] + aCosh[4x] + bCosh[4x] + bCosh[4x])} + cCosh[4x]
                                                                                                                                                                                      \texttt{b} \; (\texttt{3} \; \texttt{a} \; - \; \texttt{b} \; + \; \texttt{3} \; \texttt{c} \; - \; \texttt{4} \; \texttt{a} \; \texttt{Cosh} [\; 2 \; \texttt{x}\;] \; + \; \texttt{4} \; \texttt{c} \; \texttt{Cosh} [\; 2 \; \texttt{x}\;] \; + \; \texttt{a} \; \texttt{Cosh} [\; 4 \; \texttt{x}\;] \; + \; \texttt{b} \; \texttt{Cosh} [\; 4 \; \texttt{x}\;] \; + \; \texttt{c} \; \texttt{Cosh} [\; 4 \; \texttt{x}\;] \; ) \; + \; \texttt{cosh} [\; 4 \; \texttt{x}\;] \; + \; \texttt{cosh} [\; 4 \; \texttt{x}\;] \; + \; \texttt{cosh} [\; 4 \; \texttt{x}\;] \; ) \; + \; \texttt{cosh} [\; 4 \; \texttt{x}\;] \; ) \; + \; \texttt{cosh} [\; 4 \; \texttt{x}\;] \;
                                                                                                                                                                                      \texttt{c} \; (3 \; \texttt{a} \; - \; \texttt{b} \; + \; \texttt{3} \; \texttt{c} \; - \; \texttt{4} \; \texttt{a} \; \texttt{Cosh} [\; 2 \; \texttt{x}\;] \; + \; \texttt{4} \; \texttt{c} \; \texttt{Cosh} [\; 2 \; \texttt{x}\;] \; + \; \texttt{a} \; \texttt{Cosh} [\; 4 \; \texttt{x}\;] \; + \; \texttt{b} \; \texttt{Cosh} [\; 4 \; \texttt{x}\;] \; + \; \texttt{c} \; \texttt{Cosh} [\; 4 \; \texttt{x}\;] \; ) 
32 \; (-a+b+a \; Cosh[2 \; x] \; ) \; \sqrt{\; 3 \; a-b+3 \; c-4 \; a \; Cosh[2 \; x] \; + \; 4 \; c \; Cosh[2 \; x] \; + \; a \; Cosh[4 \; x] \; + \; b \; C
                     \sqrt{(2b^2 - 8 \text{ a c} + \text{ a } (3 \text{ a} - b + 3 \text{ c} - 4 \text{ a } \text{Cosh}[2 \text{ x}] + 4 \text{ c } \text{Cosh}[2 \text{ x}] + \text{a } \text{Cosh}[4 \text{ x}] + \text{b } \text{Cosh}[4 \text{ x}] + \text{c } \text{Cosh}[4 \text{ x}])}
                                                              \texttt{b} \; ( \; \texttt{3} \; \texttt{a} \; - \; \texttt{b} \; + \; \texttt{3} \; \texttt{c} \; - \; \texttt{4} \; \texttt{a} \; \texttt{Cosh} [ \; 2 \; \texttt{x} \; ] \; + \; \texttt{4} \; \texttt{c} \; \texttt{Cosh} [ \; 2 \; \texttt{x} \; ] \; + \; \texttt{a} \; \texttt{Cosh} [ \; 4 \; \texttt{x} \; ] \; + \; \texttt{b} \; \texttt{Cosh} [ \; 4 \; \texttt{x} \; ] \; + \; \texttt{c} \; \texttt{Cosh} [ \; 4 \; \texttt{x} \; ] \; ) \; + \; \texttt{c} \; \texttt{cosh} [ \; 4 \; \texttt{x} \; ] \; ) \; + \; \texttt{cosh} [ \; 4 \; \texttt{x} \; ] \; ) \; + \; \texttt{cosh} [ \; 4 \; \texttt{x} \; ] \; ) \; + \; \texttt{cosh} [ \; 4 \; \texttt{x} \; ] \; ) \; + \; \texttt{cosh} [ \; 4 \; \texttt{x} \; ] \; ) \; + \; \texttt{cosh} [ \; 4 \; \texttt{x} \; ] \; ) \; + \; \texttt{cosh} [ \; 4 \; \texttt{x} \; ] \; ) \; + \; \texttt{cosh} [ \; 4 \; \texttt{x} \; ] \; ) \; + \; \texttt{cosh} [ \; 4 \; \texttt{x} \; ] \; ) \; + \; \texttt{cosh} [ \; 4 \; \texttt{x} \; ] \; ) \; + \; \texttt{cosh} [ \; 4 \; \texttt{x} \; ] \; ) \; + \; \texttt{cosh} [ \; 4 \; \texttt{x} \; ] \; ) \; + \; \texttt{cosh} [ \; 4 \; \texttt{x} \; ] \; ) \; + \; \texttt{cosh} [ \; 4 \; \texttt{x} \; ] \; ) \; + \; \texttt{cosh} [ \; 4 \; \texttt{x} \; ] \; ) \; + \; \texttt{cosh} [ \; 6 \; \texttt{x} \; ] \; ) \; + \; \texttt{cosh} [ \; 6 \; \texttt{x} \; ] \; ) \; + \; \texttt{cosh} [ \; 6 \; \texttt{x} \; ] \; ) \; + \; \texttt{cosh} [ \; 6 \; \texttt{x} \; ] \; ) \; + \; \texttt{cosh} [ \; 6 \; \texttt{x} \; ] \; ) \; + \; \texttt{cosh} [ \; 6 \; \texttt{x} \; ] \; ) \; + \; \texttt{cosh} [ \; 6 \; \texttt{x} \; ] \; ) \; + \; \texttt{cosh} [ \; 6 \; \texttt{x} \; ] \; ) \; + \; \texttt{cosh} [ \; 6 \; \texttt{x} \; ] \; ) \; + \; \texttt{cosh} [ \; 6 \; \texttt{x} \; ] \; ) \; + \; \texttt{cosh} [ \; 6 \; \texttt{x} \; ] \; ) \; + \; \texttt{cosh} [ \; 6 \; \texttt{x} \; ] \; ) \; + \; \texttt{cosh} [ \; 6 \; \texttt{x} \; ] \; ) \; + \; \texttt{cosh} [ \; 6 \; \texttt{x} \; ] \; ) \; + \; \texttt{cosh} [ \; 6 \; \texttt{x} \; ] \; ) \; + \; \texttt{cosh} [ \; 6 \; \texttt{x} \; ] \; ) \; + \; \texttt{cosh} [ \; 6 \; \texttt{x} \; ] \; ) \; + \; \texttt{cosh} [ \; 6 \; \texttt{x} \; ] \; ) \; + \; \texttt{cosh} [ \; 6 \; \texttt{x} \; ] \; ) \; + \; \texttt{cosh} [ \; 6 \; \texttt{x} \; ] \; ) \; + \; \texttt{cosh} [ \; 6 \; \texttt{x} \; ] \; ) \; + \; \texttt{cosh} [ \; 6 \; \texttt{x} \; ] \; ) \; + \; \texttt{cosh} [ \; 6 \; \texttt{x} \; ] \; ) \; + \; \texttt{cosh} [ \; 6 \; \texttt{x} \; ] \; ) \; + \; \texttt{cosh} [ \; 6 \; \texttt{x} \; ] \; ) \; + \; \texttt{cosh} [ \; 6 \; \texttt{x} \; ] \; ) \; + \; \texttt{cosh} [ \; 6 \; \texttt{x} \; ] \; ) \; + \; \texttt{cosh} [ \; 6 \; \texttt{x} \; ] \; ) \; + \; \texttt{cosh} [ \; 6 \; \texttt{x} \; ] \; ) \; + \; \texttt{cosh} [ \; 6 \; \texttt{x} \; ] \; ) \; + \; \texttt{cosh} [ \; 6 \; \texttt{x} \; ] \; ) \; + \; \texttt{cosh} [ \; 6 \; \texttt{x} \; ] \; ) \; + \; \texttt{cosh} [ \; 6 \; \texttt{x} \; ] \; ) \; + \; \texttt{cosh} [ \; 6 \; \texttt{x} \; ] \; ) \; + \; \texttt{cosh} [ \; 6 \; \texttt{x} \; ] \; ) \; + \; \texttt{cosh} [ \; 6 \; \texttt{x}
                                                                 c(3a-b+3c-4aCosh[2x]+4cCosh[2x]+aCosh[4x]+bCosh[4x]+cCosh[4x])
                   c \, Cosh[\,4\,\,x]\,\,) \,\,+\,b \,\,(3\,\,a\,-\,b\,+\,3\,\,c\,-\,4\,\,a \,\,Cosh[\,2\,\,x]\,\,+\,4\,\,c \,\,Cosh[\,2\,\,x]\,\,+\,a \,\,Cosh[\,4\,\,x]\,\,+\,b \,\,Cosh[\,4\,\,x]\,\,+\,c \,\,Cosh[\,4\,\,x]\,\,) \,\,+\,b \,\,Cosh[\,4\,\,x]\,\,+\,b \,\,Cosh[\,4\,
                                                                                                                                                        c(3a-b+3c-4aCosh[2x]+4cCosh[2x]+aCosh[4x]+bCosh[4x]+cCosh[4x]))
                         2a-2c+\sqrt{2}\sqrt{2b^2-8ac+a(3a-b+3c-4a\cosh[2x]+4c\cosh[2x]+a\cosh[4x]+b\cosh[4x]+c\cosh[4x]+c\cosh[4x])}
                                                                                                         c(3a-b+3c-4aCosh[2x]+4cCosh[2x]+aCosh[4x]+bCosh[4x]+cCosh[4x]))
                   \sqrt{\left[-1 + \frac{1}{2(a+b+c)} \left(2a-2c+\sqrt{2}\sqrt{(2b^2-8ac+a(3a-b+3c-4a\cosh[2x]+4c\cosh[2x]+a\cosh[4x]+a\cosh[4x]+a\cosh[4x]+a\cosh[4x]+a\cosh[4x]+a\cosh[4x]+a\cosh[4x]+a\cosh[4x]+a\cosh[4x]+a\cosh[4x]+a\cosh[4x]+a\cosh[4x]+a\cosh[4x]+a\cosh[4x]+a\cosh[4x]+a\cosh[4x]+a\cosh[4x]+a\cosh[4x]+a\cosh[4x]+a\cosh[4x]+a\cosh[4x]+a\cosh[4x]+a\cosh[4x]+a\cosh[4x]+a\cosh[4x]+ah]
                                                                                                                                                                                                                     b \, Cosh[4 \, x] + c \, Cosh[4 \, x]) + b \, (3 \, a - b + 3 \, c - 4 \, a \, Cosh[2 \, x] + 4 \, c \, Cosh[2 \, x] + a \, Cosh[4 \, x] + b \, Cosh[4 \,
                                                                                                                                                                                                                   c \cosh[4x]) + c (3a - b + 3c - 4a \cosh[2x] + 4c \cosh[2x] + a \cosh[4x] + b \cosh[4x] + c \cosh[4x]))
```

$$\sqrt{\left[1 + \frac{1}{2 \left(a + b + c\right)} \left[2 \, a - 2 \, c + \sqrt{2} \, \sqrt{\left[2 \, b^2 - 8 \, a \, c + a \, (3 \, a - b + 3 \, c - 4 \, a \, Cosh[2 \, x] + 4 \, c \, Cosh[2 \, x] + a \, Cosh[4 \, x] + b \, Cosh[2 \, x] + (a + b + c) \, Cosh[4 \, x] + b \, Cosh[4 \, x] + b \, Cosh[2 \, x] + (a + b + c) \, Cosh[4 \, x] + b \, Cosh[4 \, x] + b$$

Timed out after 60 seconds:

$$\left\{ \text{Tanh}[x] \sqrt{a + b \, \text{Tanh}[x]^2 + c \, \text{Tanh}[x]^4} \right., \, x, \, 6, \, 0 \right\}$$

$$- \frac{(b + 2 \, c) \, \text{ArcTanh}\left[\frac{b + 2 \, c \, \text{Tanh}[x]^2}{2 \, \sqrt{c} \, \sqrt{a + b \, \text{Tanh}[x]^2 + c \, \text{Tanh}[x]^4}}\right]}{4 \, \sqrt{c}} + \frac{1}{2} \sqrt{a + b + c} \, \text{ArcTanh}\left[\frac{2 \, a + b + (b + 2 \, c) \, \text{Tanh}[x]^2}{2 \, \sqrt{a + b + c} \, \sqrt{a + b \, \text{Tanh}[x]^4}}\right] - \frac{1}{2} \sqrt{a + b \, \text{Tanh}[x]^2 + c \, \text{Tanh}[x]^4}$$

$$???$$

Timed out after 60 seconds:

$$\left\{ \texttt{Coth[x]} \ \sqrt{\texttt{a+bCoth[x]}^2 + \texttt{cCoth[x]}^4} \ , \ \texttt{x, 6, 0} \right\}$$

$$-\frac{(b+2\,c)\,\,\mathrm{ArcTanh}\Big[\frac{b+2\,c\,\mathrm{Coth}[x]^2}{2\,\sqrt{c}\,\,\sqrt{a+b\,\mathrm{Coth}[x]^2+c\,\mathrm{Coth}[x]^4}}\Big]}{4\,\sqrt{c}} + \\ \frac{1}{2}\,\,\sqrt{a+b+c}\,\,\,\mathrm{ArcTanh}\Big[\frac{2\,a+b+\,(b+2\,c)\,\,\mathrm{Coth}[x]^2}{2\,\sqrt{a+b+c}\,\,\,\sqrt{a+b\,\mathrm{Coth}[x]^2+c\,\mathrm{Coth}[x]^4}}\Big] - \frac{1}{2}\,\,\sqrt{a+b\,\mathrm{Coth}[x]^2+c\,\mathrm{Coth}[x]^4}}$$

Valid but unnecessarily complicated antiderivative:

$$\left\{ \frac{A + B \operatorname{Cosh}[x] + C \operatorname{Sinh}[x]}{(a + b \operatorname{Cosh}[x] + c \operatorname{Sinh}[x])^3}, \, x, \, 3, \, 0 \right\}$$

$$\frac{\left(2 \, a^2 \, A + b \, (A \, b - 3 \, a \, B) - c \, (A \, c - 3 \, a \, C)\right) \operatorname{ArcTanh}\left[\frac{c - (a - b) \, \operatorname{Tanh}\left[\frac{x}{2}\right]}{\sqrt{a^2 - b^2 + c^2}}\right]}{\left(a^2 - b^2 + c^2\right)^{5/2}} - \frac{B \, c - b \, C + \left(A \, c - a \, C\right) \, \operatorname{Cosh}[x] + \left(A \, b - a \, B\right) \, \operatorname{Sinh}[x]}{2 \, \left(a^2 - b^2 + c^2\right) \left(a + b \, \operatorname{Cosh}[x] + c \, \operatorname{Sinh}[x]\right)^2} - \frac{a \, B \, c - a \, b \, C + \left(a \, (3 \, A \, c - a \, C) - 2 \, c \, (b \, B - c \, C)\right) \, \operatorname{Cosh}[x] + \left(a \, (3 \, A \, b - a \, B) - 2 \, b \, (b \, B - c \, C)\right) \, \operatorname{Sinh}[x]}{2 \, \left(a^2 - b^2 + c^2\right)^2 \, \left(a + b \, \operatorname{Cosh}[x] + c \, \operatorname{Sinh}[x]\right)} - \frac{\left(2 \, a^2 \, A + A \, b^2 - 3 \, a \, b \, B - A \, c^2 + 3 \, a \, c\, C\right) \, \operatorname{ArcTan}\left[\frac{c + \left(-a + b\right) \, \operatorname{Tanh}\left[\frac{x}{2}\right]}{\sqrt{-a^2 + b^2 - c^2}}\right]} + \frac{1}{4 \, b \, \left(a^2 - b^2 + c^2\right)^2 \, \left(a + b \, \operatorname{Cosh}[x] + c \, \operatorname{Sinh}[x]\right)^2} - \frac{\left(6 \, a^3 \, A \, c + 3 \, a \, A \, b^2 \, c - 9 \, a^2 \, b \, B \, c - 3 \, a \, A \, c^3 - 2 \, a^4 \, C + 4 \, a^2 \, b^2 \, C - 2 \, b^4 \, C + 5 \, a^2 \, c^2 \, C + 4 \, b^2 \, c^2 \, C - 2 \, c^4 \, C + 2 \, b^2 \, c^2 \, A + A \, b^2 - 3 \, a \, b \, B - A \, c^2 + 3 \, a \, c\, C\right) \, \operatorname{Cosh}[x] + c \, \left(3 \, a \, A \, \left(-b^2 + c^2\right)^2\right) \, \left(a + b \, \operatorname{Cosh}[x] + c \, \operatorname{Sinh}[x]\right)^2 - \left(6 \, a^3 \, A \, c + 3 \, a \, A \, b^2 \, c - 9 \, a^2 \, b \, B \, c - 3 \, a \, A \, c^3 - 2 \, a^4 \, C + 4 \, a^2 \, b^2 \, C - 2 \, b^4 \, C + 5 \, a^2 \, c^2 \, C + 4 \, b^2 \, c^2 \, C - 2 \, c^4 \, C + 2 \, b^2 \, c^2 \, c^2 \, A + A \, b^2 - 3 \, a \, b \, B - A \, c^2 + 3 \, a \, c\, C\right) \, \operatorname{Cosh}[x] + c \, \left(3 \, a \, A \, \left(-b^2 + c^2\right)^2 + a^2 \, \left(b \, B - c\, C\right) + 2 \, \left(b^2 - c^2\right) \, \left(b \, B - c\, C\right)\right) \, \operatorname{Cosh}[2 \, x] - 2 \, b^2 \, c \, C \, \operatorname{Sinh}[x] + 2 \, a \, b^3 \, B \, \operatorname{Sinh}[x] + 2 \, a \, b^3 \, B \, \operatorname{Sinh}[x] + 2 \, a^3 \, b^3 \, B \, \operatorname{Sinh}[x] + 2 \, a^3 \, b^3 \, B \, \operatorname{Sinh}[x] + 2 \, a^3 \, b^3 \, B \, \operatorname{Sinh}[x] + 2 \, a^3 \, b^3 \, B \, \operatorname{Sinh}[x] + 2 \, a^3 \, b^3 \, C \, \operatorname{Sinh}[2 \, x] + 2 \, b^3 \, C \, \operatorname{Sinh}[2 \, x] + 2 \, b^3 \, C \, \operatorname{Sinh}[2 \, x] + 2 \, b^3 \, C \, \operatorname{Sinh}[2 \, x] + 2 \, b^3 \, C \, \operatorname{Sinh}[2 \, x] + 2 \, b^3 \, C \, \operatorname{Sinh}[2$$

Valid but unnecessarily complicated antiderivative:

$$\{e^x Tanh[2x], x, 8, 0\}$$

$$\begin{split} & e^{x} + \frac{\text{ArcTan}\left[1 - \sqrt{2} \ e^{x}\right]}{\sqrt{2}} - \frac{\text{ArcTan}\left[1 + \sqrt{2} \ e^{x}\right]}{\sqrt{2}} + \frac{\text{Log}\left[1 - \sqrt{2} \ e^{x} + e^{2\,x}\right]}{2\,\sqrt{2}} - \frac{\text{Log}\left[1 + \sqrt{2} \ e^{x} + e^{2\,x}\right]}{2\,\sqrt{2}} \\ & e^{x} + \frac{1}{2} \, \text{RootSum}\left[1 + \text{HI}^{4}\,\&\,,\,\, \frac{x - \text{Log}\left[e^{x} - \text{HI}\right]}{\text{HI}^{3}}\,\&\,\right] \end{split}$$

Valid but unnecessarily complicated antiderivative:

$$\{e^x Tanh[3x], x, 7, 0\}$$

$$\{e^x Tanh[4x], x, 10, 0\}$$

$$\begin{split} & e^{x} - \frac{1}{4} \sqrt{2 - \sqrt{2}} \ \text{ArcTan} \big[ \frac{\sqrt{2 - \sqrt{2}}}{1 - e^{2x}} \big] - \frac{1}{4} \sqrt{2 + \sqrt{2}} \ \text{ArcTan} \big[ \frac{\sqrt{2 + \sqrt{2}}}{1 - e^{2x}} \big] - \frac{1}{4} \sqrt{2 + \sqrt{2}} \ \text{ArcTanh} \big[ \frac{\sqrt{2 + \sqrt{2}}}{1 - e^{2x}} \big] - \frac{1}{4} \sqrt{2 + \sqrt{2}} \ \text{ArcTanh} \big[ \frac{\sqrt{2 + \sqrt{2}}}{1 + e^{2x}} \big] \\ & e^{x} + \frac{1}{4} \operatorname{RootSum} \big[ 1 + \sharp 1^{8} \, \& \, , \, \frac{x - \operatorname{Log} \big[ e^{x} - \sharp 1 \big]}{\sharp 1^{7}} \, \& \big] \end{split}$$

Valid but unnecessarily complicated antiderivative:

$$\{e^{x} Tanh[2x]^{2}, x, 17, 0\}$$

$$\begin{split} & e^{x} + \frac{e^{x}}{1 + e^{4\,x}} + \frac{\text{ArcTan} \left[ 1 - \sqrt{2} \right] e^{x} \right]}{2\,\sqrt{2}} - \frac{\text{ArcTan} \left[ 1 + \sqrt{2} \right] e^{x} \right]}{2\,\sqrt{2}} + \frac{\text{Log} \left[ 1 - \sqrt{2} \right] e^{x} + e^{2\,x} \right]}{4\,\sqrt{2}} - \frac{\text{Log} \left[ 1 + \sqrt{2} \right] e^{x} + e^{2\,x} \right]}{4\,\sqrt{2}} \\ & e^{x} + \frac{e^{x}}{1 + e^{4\,x}} + \frac{1}{4} \, \text{RootSum} \left[ 1 + \text{II}^{4} \, \& \, , \right. \\ & \frac{x - \text{Log} \left[ e^{x} - \text{II} \right]}{\text{II}^{3}} \, \& \right] \end{split}$$

Valid but unnecessarily complicated antiderivative:

$$\{e^{x} Tanh[3x]^{2}, x, 17, 0\}$$

$$\begin{split} & e^{x} + \frac{2 \, e^{x}}{3 \, \left(1 + e^{6 \, x}\right)} - \frac{2 \, \text{ArcTan}[\, e^{x}]}{9} - \frac{1}{9} \, \text{ArcTan}[\, \frac{e^{x}}{1 - e^{2 \, x}} \,] - \frac{\text{ArcTanh}[\, \frac{\sqrt{3} \, e^{x}}{1 + e^{2 \, x}} \,]}{3 \, \sqrt{3}} \\ & e^{x} + \frac{2 \, e^{x}}{3 \, \left(1 + e^{6 \, x}\right)} - \frac{2 \, \text{ArcTan}[\, e^{x}]}{9} - \frac{1}{9} \, \text{RootSum}[\, 1 - \pi 1^{2} + \pi 1^{4} \, \& \,, \\ & \frac{-2 \, x + 2 \, \text{Log}[\, -e^{x} + \pi 1] \, + x \, \pi 1^{2} - \text{Log}[\, -e^{x} + \pi 1] \, \pi 1^{2}}{-\pi 1 + 2 \, \pi 1^{3}} \, \& \,] \end{split}$$

Valid but unnecessarily complicated antiderivative:

$$\{e^{x} Tanh[4x]^{2}, x, 21, 0\}$$

$$\begin{split} & e^{x} + \frac{e^{x}}{2\left(1 + e^{8\,x}\right)} - \frac{1}{16}\,\sqrt{2 - \sqrt{2}} \,\,\operatorname{ArcTan}\Big[\frac{\sqrt{2 - \sqrt{2}}}{1 - e^{2\,x}}\Big] - \frac{1}{16}\,\sqrt{2 + \sqrt{2}} \,\,\operatorname{ArcTan}\Big[\frac{\sqrt{2 + \sqrt{2}}}{1 - e^{2\,x}}\Big] - \frac{1}{16}\,\sqrt{2 + \sqrt{2}} \,\,\operatorname{ArcTan}\Big[\frac{\sqrt{2 + \sqrt{2}}}{1 - e^{2\,x}}\Big] - \frac{1}{16}\,\sqrt{2 + \sqrt{2}} \,\,\operatorname{ArcTanh}\Big[\frac{\sqrt{2 + \sqrt{2}}}{1 + e^{2\,x}}\Big] \\ & e^{x} + \frac{e^{x}}{2\left(1 + e^{8\,x}\right)} + \frac{1}{16}\,\operatorname{RootSum}\Big[1 + \text{pl}^{8}\,\&\,,\,\,\frac{x - \text{Log}\,[\,e^{x} - \text{pl}\,]\,}{\text{pl}^{7}}\,\&\,\Big] \end{split}$$

Valid but unnecessarily complicated antiderivative:

$$\{e^{x} Coth[4x], x, 10, 0\}$$

$$e^{x} - \frac{\text{ArcTan}\left[e^{x}\right]}{2} + \frac{\text{ArcTan}\left[1 - \sqrt{2} \ e^{x}\right]}{2\sqrt{2}} - \frac{\text{ArcTan}\left[1 + \sqrt{2} \ e^{x}\right]}{2\sqrt{2}} - \frac{\text{ArcTanh}\left[e^{x}\right]}{2} + \frac{\text{Log}\left[1 - \sqrt{2} \ e^{x} + e^{2x}\right]}{4\sqrt{2}} - \frac{\text{Log}\left[1 + \sqrt{2} \ e^{x} + e^{2x}\right]}{4\sqrt{2}} - \frac{1}{4\sqrt{2}}$$

$$\{e^{x} Coth[4x]^{2}, x, 25, 0\}$$

$$e^{x} + \frac{e^{x}}{2(1 - e^{8x})} - \frac{\text{ArcTan}[e^{x}]}{8} + \frac{\text{ArcTan}[1 - \sqrt{2} e^{x}]}{8\sqrt{2}} - \frac{\text{ArcTan}[1 + \sqrt{2} e^{x}]}{8\sqrt{2}} - \frac{\text{ArcTanh}[e^{x}]}{8} + \frac{\text{Log}[1 - \sqrt{2} e^{x} + e^{2x}]}{16\sqrt{2}} - \frac{\text{Log}[1 + \sqrt{2} e^{x} + e^{2x}]}{16\sqrt{2}} - \frac{\text{Log}[1 + \sqrt{2} e^{x} + e^{2x}]}{16\sqrt{2}} - \frac{1}{16\sqrt{2}} - \frac{1}{16$$

Valid but unnecessarily complicated antiderivative:

$$\{e^{x} Sech[2x], x, 7, 0\}$$

$$-\frac{\operatorname{ArcTan}\left[1-\sqrt{2}\ e^{x}\right]}{\sqrt{2}}+\frac{\operatorname{ArcTan}\left[1+\sqrt{2}\ e^{x}\right]}{\sqrt{2}}+\frac{\operatorname{Log}\left[1-\sqrt{2}\ e^{x}+e^{2\,x}\right]}{2\,\sqrt{2}}-\frac{\operatorname{Log}\left[1+\sqrt{2}\ e^{x}+e^{2\,x}\right]}{2\,\sqrt{2}}\\ -\frac{1}{2}\operatorname{RootSum}\left[1+\operatorname{HI}^{4}\&,\ \frac{x-\operatorname{Log}\left[-e^{x}+\operatorname{HI}\right]}{\operatorname{HI}}\&\right]$$

Valid but unnecessarily complicated antiderivative:

$$\{e^{x} Sech[3x], x, 7, 0\}$$

$$\begin{split} & -\frac{\text{ArcTan}\Big[\frac{1-2\,e^{2\,x}}{\sqrt{3}}\Big]}{\sqrt{3}} - \frac{1}{3}\,\text{Log}\Big[1+e^{2\,x}\Big] + \frac{1}{6}\,\text{Log}\Big[1-e^{2\,x}+e^{4\,x}\Big] \\ & -\frac{2\,x}{3} - \frac{1}{3}\,\text{Log}\Big[2\,\left(1+e^{2\,x}\right)\Big] - \frac{1}{3}\,\text{RootSum}\Big[1-\sharp 1^2 + \sharp 1^4\,\&\,,\,\,\frac{x-\text{Log}\left[-e^x+\sharp 1\right]}{\sharp 1^2}\,\&\Big] \end{split}$$

Valid but unnecessarily complicated antiderivative:

$$\{e^{x} \operatorname{Sech}[4x], x, 9, 0\}$$

$$\begin{split} &\frac{1}{4}\,\sqrt{2+\sqrt{2}} \,\,\operatorname{ArcTan}\big[\,\frac{\sqrt{2-\sqrt{2}}\,\,\,e^x}{1-e^{2\,x}}\,\big] - \frac{1}{4}\,\sqrt{2-\sqrt{2}}\,\,\operatorname{ArcTan}\big[\,\frac{\sqrt{2+\sqrt{2}}\,\,\,e^x}{1-e^{2\,x}}\,\big] + \\ &\frac{1}{4}\,\sqrt{2+\sqrt{2}}\,\,\,\operatorname{ArcTanh}\big[\,\frac{\sqrt{2-\sqrt{2}}\,\,\,e^x}{1+e^{2\,x}}\,\big] - \frac{1}{4}\,\sqrt{2-\sqrt{2}}\,\,\,\operatorname{ArcTanh}\big[\,\frac{\sqrt{2+\sqrt{2}}\,\,\,e^x}{1+e^{2\,x}}\,\big] \\ &-\frac{1}{4}\,\operatorname{RootSum}\big[1+\sharp 1^8\,\&\,,\,\,\frac{x-\operatorname{Log}\,[-e^x+\sharp 1]}{\sharp 1^3}\,\&\,\big] \end{split}$$

Valid but unnecessarily complicated antiderivative:

$$\begin{split} & \left\{ {{e^x}\,{\rm Sech}{\left[ {2\,x} \right]^2},\,\,x,\,\,8\,,\,\,0} \right\} \\ & - \frac{{{e^x}}}{{1 + {e^{4\,x}}}} - \frac{{\rm ArcTan}{\left[ {1 - \sqrt 2 }\,\,{e^x} \right]}}{{2\,\sqrt 2 }} + \frac{{\rm ArcTan}{\left[ {1 + \sqrt 2 }\,\,{e^x} \right]}}{{2\,\sqrt 2 }} - \frac{{\rm Log}{\left[ {1 - \sqrt 2 }\,\,{e^x} + {e^{2\,x}} \right]}}{{4\,\sqrt 2 }} + \frac{{\rm Log}{\left[ {1 + \sqrt 2 }\,\,{e^x} + {e^{2\,x}} \right]}}{{4\,\sqrt 2 }} \\ & - \frac{{{e^x}}}{{1 + {e^{4\,x}}}} - \frac{1}{4}\,{\rm RootSum}{\left[ {1 + {\rm II}^4\,\& ,\,\,\frac{{x - {\rm Log}\left[ { - {e^x} + {\rm II}} \right]}}{{{\rm II}^3 }}\,\& \right]} \end{split}$$

$$\{e^{x} \operatorname{Sech}[3x]^{2}, x, 8, 0\}$$

$$-\frac{2\,e^{x}}{3\,\left(1+e^{6\,x}\right)} + \frac{2\,\text{ArcTan}\left[\,e^{x}\,\right]}{9} + \frac{1}{9}\,\text{ArcTan}\left[\,\frac{e^{x}}{1-e^{2\,x}}\,\right] + \frac{\text{ArcTanh}\left[\,\frac{\sqrt{3}\,e^{x}}{1+e^{2\,x}}\,\right]}{3\,\sqrt{3}} \\ \\ \frac{1}{9}\left(-\frac{6\,e^{x}}{1+e^{6\,x}} + 2\,\text{ArcTan}\left[\,e^{x}\,\right] + \text{RootSum}\left[\,1-\text{ml}^{2}+\text{ml}^{4}\,\hat{\alpha}\,,\,\,\frac{-2\,x+2\,\text{Log}\left[\,-e^{x}+\text{ml}\,\right] + x\,\text{ml}^{2}-\text{Log}\left[\,-e^{x}+\text{ml}\,\right] \,\text{ml}^{2}}{-\text{ml}+2\,\text{ml}^{3}}\,\hat{\alpha}\,\right] \right)$$

Valid but unnecessarily complicated antiderivative:

 $\{e^{x} \operatorname{Sech}[4x]^{2}, x, 10, 0\}$ 

$$\begin{split} & -\frac{e^{x}}{2\left(1+e^{8\,x}\right)} + \frac{1}{16}\,\sqrt{2-\sqrt{2}} \,\,\operatorname{ArcTan}\Big[\frac{\sqrt{2-\sqrt{2}}\,\,e^{x}}{1-e^{2\,x}}\Big] + \frac{1}{16}\,\sqrt{2+\sqrt{2}}\,\,\operatorname{ArcTan}\Big[\frac{\sqrt{2+\sqrt{2}}\,\,e^{x}}{1-e^{2\,x}}\Big] + \\ & \frac{1}{16}\,\sqrt{2-\sqrt{2}}\,\,\operatorname{ArcTanh}\Big[\frac{\sqrt{2-\sqrt{2}}\,\,e^{x}}{1+e^{2\,x}}\Big] + \frac{1}{16}\,\sqrt{2+\sqrt{2}}\,\,\operatorname{ArcTanh}\Big[\frac{\sqrt{2+\sqrt{2}}\,\,e^{x}}{1+e^{2\,x}}\Big] \\ & -\frac{e^{x}}{2\left(1+e^{8\,x}\right)} - \frac{1}{16}\,\operatorname{RootSum}\Big[1+\operatorname{HI}^{8}\,\&\,,\,\,\frac{x-\operatorname{Log}\left[-e^{x}+\operatorname{HI}\right]}{\operatorname{HI}^{7}}\,\&\Big] \end{split}$$

Valid but unnecessarily complicated antiderivative:

$$\{e^{x} Csch[2x], x, 5, 0\}$$

 $ArcTan[e^x] - ArcTanh[e^x]$ 

$$\frac{1}{-} (2 \arctan[e^x] + Log[-1 + e^x] - Log[1 + e^x])$$

Valid but unnecessarily complicated antiderivative:

$$\{e^{x} Csch[4x], x, 11, 0\}$$

$$-\frac{1}{2}\operatorname{ArcTan}\left[\operatorname{e}^{x}\right] - \frac{\operatorname{ArcTan}\left[1-\sqrt{2}\ \operatorname{e}^{x}\right]}{2\sqrt{2}} + \frac{\operatorname{ArcTan}\left[1+\sqrt{2}\ \operatorname{e}^{x}\right]}{2\sqrt{2}} - \frac{\operatorname{ArcTanh}\left[\operatorname{e}^{x}\right]}{2} - \frac{\operatorname{Log}\left[1-\sqrt{2}\ \operatorname{e}^{x}+\operatorname{e}^{2\,x}\right]}{4\sqrt{2}} + \frac{\operatorname{Log}\left[1+\sqrt{2}\ \operatorname{e}^{x}+\operatorname{e}^{2\,x}\right]}{4\sqrt{2}} \\ -\frac{1}{4}\left(-2\operatorname{ArcTan}\left[\operatorname{e}^{x}\right] + \operatorname{Log}\left[1-\operatorname{e}^{x}\right] - \operatorname{Log}\left[1+\operatorname{e}^{x}\right] - \operatorname{RootSum}\left[1+\operatorname{H}1^{4}\,\&\,,\,\,\frac{x-\operatorname{Log}\left[-\operatorname{e}^{x}+\operatorname{H}1\right]}{\operatorname{H}1^{3}}\,\&\,\right]\right)$$

Valid but unnecessarily complicated antiderivative:

$$\{e^{x} \operatorname{Csch}[4x]^{2}, x, 12, 0\}$$

$$\frac{e^{x}}{2\left(1-e^{8\,x}\right)} - \frac{\text{ArcTan}\left[e^{x}\right]}{8} + \frac{\text{ArcTan}\left[1-\sqrt{2}\ e^{x}\right]}{8\,\sqrt{2}} - \frac{\text{ArcTan}\left[1+\sqrt{2}\ e^{x}\right]}{8\,\sqrt{2}} - \frac{\text{ArcTanh}\left[e^{x}\right]}{8} + \frac{\text{Log}\left[1-\sqrt{2}\ e^{x}+e^{2\,x}\right]}{16\,\sqrt{2}} - \frac{\text{Log}\left[1+\sqrt{2}\ e^{x}+e^{2\,x}\right]}{16\,\sqrt{2}} - \frac{1}{16\,\sqrt{2}} - \frac{1}{16\,\sqrt{2}}$$

$$\{e^{x} \operatorname{Sech}[2x] \operatorname{Tanh}[2x], x, 10, 0\}$$

$$\begin{split} & -\frac{{{e}^{3\,x}}}{{1+{{e}^{4\,x}}}} - \frac{{ArcTan{\left[ {1-\sqrt 2 \ {{e}^x}} \right]}}}{{2\,\sqrt 2 }} + \frac{{ArcTan{\left[ {1+\sqrt 2 \ {{e}^x}} \right]}}}{{2\,\sqrt 2 }} + \frac{{Log{\left[ {1-\sqrt 2 \ {{e}^x} + {{e}^{2\,x}}} \right]}}}{{4\,\sqrt 2 }} - \frac{{Log{\left[ {1+\sqrt 2 \ {{e}^x} + {{e}^{2\,x}}} \right]}}}{{4\,\sqrt 2 }} - \frac{{Log{\left[ {1+\sqrt 2 \ {{e}^x} + {{e}^{2\,x}}} \right]}}}{{4\,\sqrt 2 }} \\ & - \frac{{{e}^{3\,x}}}{{1+{{e}^{4\,x}}}} - \frac{1}{4\,RootSum{\left[ {1+\Pi 1^4\,\&,\,\,\frac{{x-Log{\left[ {-{e}^x + \Pi 1} \right]}}}{{\Pi 1}}\,\& \right]}} \end{split}$$

Valid but unnecessarily complicated antiderivative:

$$\{e^{x} \operatorname{Sech}[2x]^{2} \operatorname{Tanh}[2x], x, 11, 0\}$$

$$\begin{split} &-\frac{\mathrm{e}^{x}}{3\left(1+\mathrm{e}^{4\,x}\right)^{2}}-\frac{4\,\,\mathrm{e}^{5\,x}}{3\,\left(1+\mathrm{e}^{4\,x}\right)^{2}}+\frac{\mathrm{e}^{x}}{12\,\left(1+\mathrm{e}^{4\,x}\right)}-\frac{\mathrm{ArcTan}\!\left[1-\sqrt{2}\,\,\mathrm{e}^{x}\right]}{8\,\sqrt{2}}\,+\\ &-\frac{\mathrm{ArcTan}\!\left[1+\sqrt{2}\,\,\mathrm{e}^{x}\right]}{8\,\sqrt{2}}-\frac{\mathrm{Log}\!\left[1-\sqrt{2}\,\,\mathrm{e}^{x}+\mathrm{e}^{2\,x}\right]}{16\,\sqrt{2}}+\frac{\mathrm{Log}\!\left[1+\sqrt{2}\,\,\mathrm{e}^{x}+\mathrm{e}^{2\,x}\right]}{16\,\sqrt{2}}\\ &-\frac{\mathrm{e}^{x}\,\left(1+5\,\mathrm{e}^{4\,x}\right)}{4\,\left(1+\mathrm{e}^{4\,x}\right)^{2}}-\frac{1}{16}\,\mathrm{RootSum}\!\left[1+\mathrm{H}1^{4}\,\&\,,\,\,\frac{x-\mathrm{Log}\left[-\mathrm{e}^{x}+\mathrm{H}1\right]}{\mathrm{H}1^{3}}\,\&\,\right] \end{split}$$

Valid but unnecessarily complicated antiderivative:

$$\left\{ e^{x} \operatorname{Sech}[2x] \operatorname{Tanh}[2x]^{2}, x, 12, 0 \right\}$$

$$\begin{split} & -\frac{{{{\rm{e}}^{3}}^{\rm{X}}}}{{{{\left( 1+{{\rm{e}}^{4}}^{\rm{X}}} \right)}^{\rm{2}}}} - \frac{2\,{{{\rm{e}}^{7}}^{\rm{X}}}}{{{{\left( 1+{{\rm{e}}^{4}}^{\rm{X}}} \right)}^{\rm{2}}}} + \frac{5\,{{{\rm{e}}^{3}}^{\rm{X}}}}{4\,\left( 1+{{\rm{e}}^{4}}^{\rm{X}} \right)} - \frac{5\,{\rm{ArcTan}}\left[ 1-\sqrt{2}\,\,{{\rm{e}}^{\rm{X}}}} \right]}{8\,\sqrt{2}} + \\ & \frac{5\,{\rm{ArcTan}}\left[ 1+\sqrt{2}\,\,{{\rm{e}}^{\rm{X}}}} \right]}{8\,\sqrt{2}} + \frac{5\,{\rm{Log}}\left[ 1-\sqrt{2}\,\,{{\rm{e}}^{\rm{X}}}+{{\rm{e}}^{2}}^{\rm{X}}} \right]}{16\,\sqrt{2}} - \frac{5\,{\rm{Log}}\left[ 1+\sqrt{2}\,\,{{\rm{e}}^{\rm{X}}}+{{\rm{e}}^{2}}^{\rm{X}}} \right]}{16\,\sqrt{2}} \\ & \frac{{{\rm{e}}^{3}}^{\rm{X}}-3\,{{\rm{e}}^{7}}^{\rm{X}}}}{4\,\left( 1+{{\rm{e}}^{4}}^{\rm{X}}} \right)^{2}} - \frac{5}{16}\,{\rm{RootSum}}\left[ 1+{\rm{HI}}^{4}\,\&\,,\,\, \frac{{\rm{X}}-{\rm{Log}}\left[ -5\,{{\rm{e}}^{\rm{X}}}+5\,{\rm{HI}} \right]}{{\rm{HI}}}\,\&\, \right] \end{split}$$

Valid but unnecessarily complicated antiderivative:

$$\left\{ e^{x} \operatorname{Sech}[2x]^{2} \operatorname{Tanh}[2x]^{2}, x, 13, 0 \right\}$$

$$\begin{split} &-\frac{4 \, \, \mathrm{e^{x}}}{7 \, \left(1+\mathrm{e^{4 \, x}}\right)^{3}} - \frac{4 \, \, \mathrm{e^{5 \, x}}}{7 \, \left(1+\mathrm{e^{4 \, x}}\right)^{3}} - \frac{4 \, \, \mathrm{e^{9 \, x}}}{3 \, \left(1+\mathrm{e^{4 \, x}}\right)^{3}} + \frac{\mathrm{e^{x}}}{14 \, \left(1+\mathrm{e^{4 \, x}}\right)^{2}} + \frac{\mathrm{e^{x}}}{8 \, \left(1+\mathrm{e^{4 \, x}}\right)} - \\ &-\frac{3 \, \mathrm{ArcTan} \left[1-\sqrt{2} \, \, \mathrm{e^{x}}\right]}{16 \, \sqrt{2}} + \frac{3 \, \mathrm{ArcTan} \left[1+\sqrt{2} \, \, \mathrm{e^{x}}\right]}{16 \, \sqrt{2}} - \frac{3 \, \mathrm{Log} \left[1-\sqrt{2} \, \, \mathrm{e^{x}} + \mathrm{e^{2 \, x}}\right]}{32 \, \sqrt{2}} + \frac{3 \, \mathrm{Log} \left[1+\sqrt{2} \, \, \mathrm{e^{x}} + \mathrm{e^{2 \, x}}\right]}{32 \, \sqrt{2}} \\ &-\frac{1}{96} \left(-\frac{4 \, \mathrm{e^{x}} \, \left(9+6 \, \mathrm{e^{4 \, x}} + 29 \, \mathrm{e^{8 \, x}}\right)}{\left(1+\mathrm{e^{4 \, x}}\right)^{3}} - 9 \, \mathrm{RootSum} \left[1+\mathrm{II}^{4} \, \& \, , \, \, \frac{\mathrm{x} - \mathrm{Log} \left[-3 \, \mathrm{e^{x}} + 3 \, \mathrm{II} \right]}{\mathrm{II}^{3}} \, \& \right] \right) \end{split}$$

Valid but unnecessarily complicated antiderivative:

$$\begin{split} &\left\{\frac{e^{x}}{a-\text{Tanh}\left[2\,x\right]},\;x,\;6,\;0\right\} \\ &-\frac{e^{x}}{1-a} + \frac{\text{ArcTan}\left[\frac{(1-a)^{1/4}\,e^{x}}{(1+a)^{1/4}}\right]}{\left(1-a\right)^{5/4}\,\left(1+a\right)^{3/4}} + \frac{\text{ArcTanh}\left[\frac{(1-a)^{1/4}\,e^{x}}{(1+a)^{1/4}}\right]}{\left(1-a\right)^{5/4}\,\left(1+a\right)^{3/4}} \\ &-\frac{2\,\left(-1+a\right)\,e^{x} + \text{RootSum}\left[1+a- \sharp 1^{4} + a \sharp 1^{4}\,\&\,,\,\,\frac{x-\text{Log}\left[-e^{x} + \sharp 1\right]}{\sharp 1^{3}}\,\&\right]}{2\,\left(-1+a\right)^{2}} \end{split}$$

$$\left\{ \frac{e^{x}}{\left(a-Tanh[2\,x]\right)^{2}},\,x,\,13,\,0\right\}$$

$$\frac{e^{x}}{\left(1-a\right)^{2}} + \frac{e^{x}}{\left(1-a\right)^{2}\left(1+a\right)\left(1+a-\left(1-a\right)e^{4\,x}\right)} + \frac{\left(1-2\,a\right)\,\text{ArcTan}\left[\frac{(1-a)^{1/4}\,e^{x}}{(1+a)^{1/4}}\right]}{2\,\left(1-a\right)^{9/4}\left(1+a\right)^{3/4}} - \frac{\text{ArcTan}\left[\frac{(1-a)^{1/4}\,e^{x}}{(1+a)^{1/4}}\right]}{2\,\left(1-a\right)^{9/4}\left(1+a\right)^{3/4}} + \frac{\left(1-2\,a\right)\,\text{ArcTanh}\left[\frac{(1-a)^{1/4}\,e^{x}}{(1+a)^{1/4}}\right]}{2\,\left(1-a\right)^{9/4}\left(1+a\right)^{7/4}} - \frac{\text{ArcTanh}\left[\frac{(1-a)^{1/4}\,e^{x}}{(1+a)^{1/4}}\right]}{\left(1-a\right)^{9/4}\left(1+a\right)^{3/4}} - \frac{4\,\left(-1+a\right)\,e^{x}}{\left(1-a\right)^{9/4}\left(1+a\right)^{3/4}} - \frac{4\,\left(-1+a\right)^{9/4}\left(1+a\right)^{3/4}}{\left(1-a\right)^{9/4}\left(1+a\right)^{3/4}} - \frac{4\,\left(-1+a\right)^{9/4}\left(1+a\right)^{3/4}}{\left(1-a\right)^{9/4}\left(1+a\right)^{3/4}} - \frac{4\,\left(-1+a\right)^{9/4}\left(1+a\right)^{3/4}}{\left(1-a\right)^{9/4}\left(1+a\right)^{3/4}} - \frac{4\,\left(-1+a\right)^{9/4}\left(1+a\right)^{3/4}}{\left(1-a\right)^{9/4}\left(1+a\right)^{3/4}} - \frac{4\,\left(-1+a\right)^{9/4$$

Valid but unnecessarily complicated antiderivative:

$$\left\{ \begin{aligned} &\frac{\text{Sech}[x]^2}{a+b\,\text{Tanh}[x]},\,x,\,2,\,0 \right\} \\ &\frac{\text{Log}[a+b\,\text{Tanh}[x]]}{b} \\ &\frac{-\text{Log}[\text{Cosh}[x]] + \text{Log}[-a\,\text{Cosh}[x] - b\,\text{Sinh}[x]]}{b} \end{aligned} \right.$$

Valid but unnecessarily complicated antiderivative:

$$\left\{ \frac{\operatorname{Sech}[\mathbf{x}]^2}{\sqrt{4 - \operatorname{Sech}[\mathbf{x}]^2}}, \, \mathbf{x}, \, 2, \, 0 \right\}$$
 
$$\operatorname{ArcSinh}\left[\frac{\operatorname{Tanh}[\mathbf{x}]}{\sqrt{3}}\right]$$
 
$$\frac{1}{3\sqrt{2 + \operatorname{Sech}[\mathbf{x}]^2 + 2\operatorname{Tanh}[\mathbf{x}]^2}}$$
 
$$2 \operatorname{i} \operatorname{Cosh}\left[\frac{\mathbf{x}}{2}\right]^2 \left( \operatorname{EllipticF}\left[\operatorname{i} \operatorname{ArcSinh}\left[\sqrt{3} \, \operatorname{Tanh}\left[\frac{\mathbf{x}}{2}\right]\right], \, \frac{1}{9}\right] - 2\operatorname{EllipticPi}\left[\frac{1}{3}, \, \operatorname{i} \operatorname{ArcSinh}\left[\sqrt{3} \, \operatorname{Tanh}\left[\frac{\mathbf{x}}{2}\right]\right], \, \frac{1}{9}\right] \right)$$
 
$$\operatorname{Sech}[\mathbf{x}] \sqrt{3 + \operatorname{Tanh}\left[\frac{\mathbf{x}}{2}\right]^2} \sqrt{1 + 3\operatorname{Tanh}\left[\frac{\mathbf{x}}{2}\right]^2}$$

FullSimplify::infd:

$$\begin{split} & \text{Expression } - \left( \left( -7 + 4\sqrt{3} \right) (5 - 3 \operatorname{Cosh}[2 \, \mathbf{x}])^2 \operatorname{Sech} \left[ \frac{\mathbf{x}}{2} \right]^4 \operatorname{Sech}[\mathbf{x}]^4 \right) / \left( 16\sqrt{\frac{4 + 2\sqrt{3} - 3 \operatorname{Cosh}[\mathbf{x}] - 2\sqrt{3} \operatorname{Cosh}[\mathbf{x}]}{1 + \operatorname{Cosh}[\mathbf{x}]}} \right. \\ & \sqrt{\frac{4 - 2\sqrt{3} + (3 - 2 \operatorname{Power}[\ll 2 \gg]) \operatorname{Cosh}[\mathbf{x}]}{1 + \operatorname{Cosh}[\mathbf{x}]}} \sqrt{\frac{4 - 2\sqrt{3} + (-3 + 2 \operatorname{Power}[\ll 2 \gg]) \operatorname{Cosh}[\mathbf{x}]}{1 + \operatorname{Cosh}[\mathbf{x}]}} \\ & \sqrt{\frac{52 - 30\sqrt{3} + (-45 + 26 \operatorname{Power}[\ll 2 \gg]) \operatorname{Cosh}[\mathbf{x}]}{1 + \operatorname{Cosh}[\mathbf{x}]}} \left( 1 - 4 \operatorname{Tanh}[\mathbf{x}]^2 \right)^{3/2}} \right] \text{simplified to Indeterminate.} \\ & > 1 + \operatorname{Cosh}[\mathbf{x}] \end{aligned}$$

FullSimplify::infd:

$$\begin{split} & \text{Expression } - \left( \left( -7 + 4\sqrt{3} \right) (5 - 3\cosh[2\,x])^2 \, \text{Sech} \left[ \frac{x}{2} \right]^4 \, \text{Sech}[x]^4 \right) / \left( 16\sqrt{\frac{4 + 2\sqrt{3} - 3\cosh[x] - 2\sqrt{3} \, \cosh[x]}{1 + \cosh[x]}} \right. \\ & \sqrt{\frac{4 - 2\sqrt{3} + (3 + \text{Times}[\ll 2 \gg]) \, \text{Cosh}[x]}{1 + \text{Cosh}[x]}} \, \sqrt{\frac{4 - 2\sqrt{3} + (-3 + \text{Times}[\ll 2 \gg]) \, \text{Cosh}[x]}{1 + \text{Cosh}[x]}} \\ & \sqrt{\frac{52 - 30\sqrt{3} + (-45 + \text{Times}[\ll 2 \gg]) \, \text{Cosh}[x]}{1 + \text{Cosh}[x]}} \, \left( 1 - 4 \, \text{Tanh}[x]^2 \right)^{3/2}} \right) - \frac{\text{Sech}[x]^2}{\sqrt{1 - 4 \, \text{Tanh}[x]^2}} \end{split}$$

## simplified to Indeterminate. >>

Incorrect antiderivative:

$$\left\{ \frac{\operatorname{Sech}[\mathbf{x}]^2}{\sqrt{1-4\operatorname{Tanh}[\mathbf{x}]^2}}, \, \mathbf{x}, \, 2, \, 0 \right\}$$

$$\frac{1}{2}\operatorname{ArcSin}[2\operatorname{Tanh}[\mathbf{x}]]$$

$$\frac{1}{\sqrt{1-4\operatorname{Tanh}[\mathbf{x}]^2}}$$

$$2\operatorname{Cosh}\left[\frac{\mathbf{x}}{2}\right]^2 \left[ \operatorname{EllipticF}\left[\operatorname{ArcSin}\left[\frac{\operatorname{Tanh}\left[\frac{\mathbf{x}}{2}\right]}{\sqrt{7-4\sqrt{3}}}\right], \, 97-56\sqrt{3} \,\right] + 2\operatorname{EllipticPi}\left[-7+4\sqrt{3}, \, -\operatorname{ArcSin}\left[\frac{\operatorname{Tanh}\left[\frac{\mathbf{x}}{2}\right]}{\sqrt{7-4\sqrt{3}}}\right], \, 97-56\sqrt{3} \,\right]$$

$$\operatorname{Sech}[\mathbf{x}] \sqrt{7-4\sqrt{3}} - \operatorname{Tanh}\left[\frac{\mathbf{x}}{2}\right]^2 \sqrt{1+\left(-7+4\sqrt{3}\right)\operatorname{Tanh}\left[\frac{\mathbf{x}}{2}\right]^2}$$

Valid but unnecessarily complicated antiderivative:

$$\begin{split} & \left\{ \frac{\text{Sech}[\mathbf{x}]^2}{\sqrt{-4 + \text{Tanh}[\mathbf{x}]^2}}, \; \mathbf{x}, \; \mathbf{2}, \; \mathbf{0} \right\} \\ & \text{ArcTanh}\Big[\frac{\text{Tanh}[\mathbf{x}]}{\sqrt{-4 + \text{Tanh}[\mathbf{x}]^2}}\Big] \\ & - \frac{1}{\sqrt{-4 + \text{Tanh}[\mathbf{x}]^2}} \; 2 \; (-1)^{2/3} \, \text{Cosh}\Big[\frac{\mathbf{x}}{2}\Big]^2 \\ & \left[ \text{EllipticF}\Big[i \; \text{ArcSinh}\Big[ (-1)^{5/6} \; \text{Tanh}\Big[\frac{\mathbf{x}}{2}\Big] \Big], \; (-1)^{2/3} \Big] + 2 \, \text{EllipticPi}\Big[ (-1)^{1/3}, \; -i \; \text{ArcSinh}\Big[ (-1)^{5/6} \; \text{Tanh}\Big[\frac{\mathbf{x}}{2}\Big] \Big], \; (-1)^{2/3} \Big] \right) \\ & \text{Sech}[\mathbf{x}] \; \sqrt{1 + (-1)^{1/3} \; \text{Tanh}\Big[\frac{\mathbf{x}}{2}\Big]^2} \; \sqrt{1 - (-1)^{2/3} \; \text{Tanh}\Big[\frac{\mathbf{x}}{2}\Big]^2} \end{split}$$

$$\begin{split} &\left\{\sqrt{1+\text{Coth}[\textbf{x}]^2} \ \text{Sech}[\textbf{x}]^2, \ \textbf{x}, \ \textbf{4}, \ \textbf{0}\right\} \\ &-\text{ArcCsch}[\text{Tanh}[\textbf{x}]] + \sqrt{1+\text{Coth}[\textbf{x}]^2} \ \text{Tanh}[\textbf{x}] \end{split}$$

$$\sqrt{1 + \text{Coth[x]}^2} \left( \frac{\text{ArcTan}\left[\frac{\text{Cosh[x]}}{\sqrt{-\text{Cosh[2x]}}}\right] \text{Sinh[x]}}{\sqrt{-\text{Cosh[2x]}}} + \text{Tanh[x]} \right)$$

Valid but unnecessarily complicated antiderivative:

$$\left\{ \operatorname{Sech}[\mathbf{x}]^2 \sqrt{1 + \operatorname{Tanh}[\mathbf{x}]^2}, \mathbf{x}, 3, 0 \right\}$$

$$\frac{1}{2} \operatorname{ArcSinh}[\operatorname{Tanh}[\mathbf{x}]] + \frac{1}{2} \operatorname{Tanh}[\mathbf{x}] \sqrt{1 + \operatorname{Tanh}[\mathbf{x}]^2}$$

$$\frac{1}{2} \left( 2 \operatorname{i} \operatorname{Cosh}\left[\frac{\mathbf{x}}{2}\right]^2 \operatorname{Cosh}[\mathbf{x}] \right)$$

$$\left( \text{EllipticF} \left[ i \, \text{ArcSinh} \left[ \frac{\text{Tanh} \left[ \frac{\mathbf{x}}{2} \right]}{\sqrt{3 + 2\sqrt{2}}} \right], \, 17 + 12\sqrt{2} \, \right] - 2 \, \text{EllipticPi} \left[ 3 + 2\sqrt{2} \, , \, i \, \text{ArcSinh} \left[ \frac{\text{Tanh} \left[ \frac{\mathbf{x}}{2} \right]}{\sqrt{3 + 2\sqrt{2}}} \right], \, 17 + 12\sqrt{2} \, \right] \right)$$

$$\text{Sech} \left[ 2 \, \mathbf{x} \right] \sqrt{3 + 2\sqrt{2}} + \text{Tanh} \left[ \frac{\mathbf{x}}{2} \right]^2 \sqrt{1 + \left( 3 + 2\sqrt{2} \right) \, \text{Tanh} \left[ \frac{\mathbf{x}}{2} \right]^2} + \text{Tanh} \left[ \mathbf{x} \right] \sqrt{1 + \text{Tanh} \left[ \mathbf{x} \right]^2}$$

Valid but unnecessarily complicated antiderivative:

$$\left\{\frac{\operatorname{Sech}[x]^2}{2+2\operatorname{Tanh}[x]+\operatorname{Tanh}[x]^2}, x, 2, 0\right\}$$

$$\operatorname{ArcTan}[1+\operatorname{Tanh}[x]]$$

$$\frac{1}{2}\left(-\operatorname{ArcTan}[\operatorname{Cosh}[x]\left(\operatorname{Cosh}[x]-\operatorname{Sinh}[x]\right)]+\operatorname{ArcTan}[1+\operatorname{Tanh}[x]]\right)$$

Valid but unnecessarily complicated antiderivative:

$$\left\{ \frac{\operatorname{Sech}[x]^2 (a + b \operatorname{Tanh}[x])}{c + d \operatorname{Tanh}[x]}, x, 4, 0 \right\}$$

$$- \frac{(b c - a d) \operatorname{Log}[c + d \operatorname{Tanh}[x]]}{d^2} + \frac{b \operatorname{Tanh}[x]}{d}$$

$$\frac{1}{d^2 (c + d \operatorname{Tanh}[x])}$$

$$\operatorname{Sech}[x]^2 (c \operatorname{Cosh}[x] + d \operatorname{Sinh}[x]) ((b c - a d) \operatorname{Cosh}[x] (\operatorname{Log}[\operatorname{Cosh}[x]] - \operatorname{Log}[c \operatorname{Cosh}[x] + d \operatorname{Sinh}[x])) + b d \operatorname{Sinh}[x])$$

Valid but unnecessarily complicated antiderivative:

$$\left\{ \frac{\left(a+b\operatorname{Coth}[x]\right)\operatorname{Csch}[x]^2}{c+d\operatorname{Coth}[x]}, \ x, \ 4, \ 0 \right\}$$

$$-\frac{b\operatorname{Coth}[x]}{d} + \frac{\left(b\,c-a\,d\right)\operatorname{Log}[c+d\operatorname{Coth}[x]]}{d^2}$$

$$-\frac{1}{d^2\left(c+d\operatorname{Coth}[x]\right)}$$

$$-\operatorname{Csch}[x]^2\left(d\operatorname{Cosh}[x] + c\operatorname{Sinh}[x]\right)\left(b\,d\operatorname{Cosh}[x] + \left(b\,c-a\,d\right)\left(\operatorname{Log}[\operatorname{Sinh}[x]] - \operatorname{Log}[d\operatorname{Cosh}[x] + c\operatorname{Sinh}[x]]\right)\operatorname{Sinh}[x] \right)$$

$$\left\{ \begin{array}{l} \left\{ \cosh \left[ \mathbf{x} \right]^3 \left( \mathbf{a} + \mathbf{b} \cosh \left[ \mathbf{x} \right]^2 \right)^3 \sinh \left[ \mathbf{x} \right], \, \mathbf{x}, \, 4, \, 0 \right\} \\ - \frac{\mathbf{a} \left( \mathbf{a} + \mathbf{b} \cosh \left[ \mathbf{x} \right]^2 \right)^4}{40 \, \mathbf{b}^2} + \frac{\mathbf{Cosh} \left[ \mathbf{x} \right]^2 \left( \mathbf{a} + \mathbf{b} \cosh \left[ \mathbf{x} \right]^2 \right)^4}{10 \, \mathbf{b}} \\ \frac{1}{32} \left( 12 \, \mathbf{a}^2 \, \mathbf{b} \, \mathbf{Cosh} \left[ \mathbf{x} \right]^4 + 8 \, \mathbf{a} \, \mathbf{b}^2 \, \mathbf{Cosh} \left[ \mathbf{x} \right]^6 + 2 \, \mathbf{b}^3 \, \mathbf{Cosh} \left[ \mathbf{x} \right]^8 + 4 \, \mathbf{a}^3 \, \mathbf{Cosh} \left[ 2 \, \mathbf{x} \right] + \\ 4 \, \mathbf{a}^2 \, \mathbf{b} \, \mathbf{Cosh} \left[ \mathbf{x} \right]^3 \, \mathbf{Cosh} \left[ 3 \, \mathbf{x} \right] + \mathbf{a}^3 \, \mathbf{Cosh} \left[ 4 \, \mathbf{x} \right] + \frac{1}{32} \, \mathbf{a} \, \mathbf{b}^2 \, \left( 48 \, \mathbf{Cosh} \left[ 2 \, \mathbf{x} \right] + 36 \, \mathbf{Cosh} \left[ 4 \, \mathbf{x} \right] + 16 \, \mathbf{Cosh} \left[ 6 \, \mathbf{x} \right] + 3 \, \mathbf{Cosh} \left[ 8 \, \mathbf{x} \right] \right) + \\ \frac{1}{320} \, \mathbf{b}^3 \, \left( 140 \, \mathbf{Cosh} \left[ 2 \, \mathbf{x} \right] + 100 \, \mathbf{Cosh} \left[ 4 \, \mathbf{x} \right] + 50 \, \mathbf{Cosh} \left[ 6 \, \mathbf{x} \right] + 15 \, \mathbf{Cosh} \left[ 8 \, \mathbf{x} \right] + 2 \, \mathbf{Cosh} \left[ 10 \, \mathbf{x} \right] \right) \end{array} \right)$$

$$\left\{ \begin{array}{l} \left\{ \text{Cosh} \left[ \mathbf{x} \right] \, \text{Sinh} \left[ \mathbf{x} \right]^3 \, \left( \mathbf{a} + \mathbf{b} \, \text{Sinh} \left[ \mathbf{x} \right]^2 \right)^3, \, \mathbf{x}, \, 4, \, 0 \right\} \\ \\ - \frac{\mathbf{a} \, \left( \mathbf{a} + \mathbf{b} \, \text{Sinh} \left[ \mathbf{x} \right]^2 \right)^4}{40 \, \mathbf{b}^2} + \frac{ \, \text{Sinh} \left[ \mathbf{x} \right]^2 \, \left( \mathbf{a} + \mathbf{b} \, \text{Sinh} \left[ \mathbf{x} \right]^2 \right)^4}{10 \, \mathbf{b}} \\ \\ \frac{1}{10 \, 240} \, \left( -20 \, \left( 64 \, \mathbf{a}^3 + 24 \, \mathbf{a} \, \mathbf{b}^2 - 7 \, \mathbf{b}^3 \right) \, \text{Cosh} \left[ 2 \, \mathbf{x} \right] + 20 \, \left( 16 \, \mathbf{a}^3 + 18 \, \mathbf{a} \, \mathbf{b}^2 - 5 \, \mathbf{b}^3 \right) \, \text{Cosh} \left[ 4 \, \mathbf{x} \right] + \\ \\ \mathbf{b} \, \left( -10 \, \left( 16 \, \mathbf{a} - 5 \, \mathbf{b} \right) \, \mathbf{b} \, \text{Cosh} \left[ 6 \, \mathbf{x} \right] + 15 \, \left( 2 \, \mathbf{a} - \mathbf{b} \right) \, \mathbf{b} \, \text{Cosh} \left[ 8 \, \mathbf{x} \right] + 2 \, \left( \mathbf{b}^2 \, \text{Cosh} \left[ 10 \, \mathbf{x} \right] + 160 \, \left( \left( -4 \, \mathbf{a} + \mathbf{b} \right)^2 - \mathbf{b}^2 \, \text{Cosh} \left[ 2 \, \mathbf{x} \right] \right) \, \text{Sinh} \left[ \mathbf{x} \right]^6 \right) \right) \right)$$