Initial:

$$\left(\left(3-\cos^3\left(\ln x\right)\right)^{\left(\frac{1}{2}\right)}\right)'$$

Let's simplify the expression:

$$3$$

Let's stop and think... Let's simplify the expression:

$$x$$

Let's simplify the expression:

$$\left(\ln x\right)$$

It turned out:

$$\left(\ln x\right)$$

Aren't you feeling old. Let's simplify the expression:

$$\left(\cos\left(\left(\ln x\right)\right)\right)$$

I think, its time to stop, but we must go on. It turned out:

$$\left(\cos\left(\left(\ln x\right)\right)\right)$$

Let's simplify the expression:

$$3$$

Would you like to commit a suicide? I would. Let's simplify the expression:

$$\cos^3\left(\ln x\right)$$

We can see, that it is not good enough. It turned out:

$$\cos^3\left(\ln x\right)$$

As you may want to continue. Let's simplify the expression:

$$\left(3-\cos^3\left(\ln x\right)\right)$$

It turned out:

$$\left(3-\cos^3\left(\ln x\right)\right)$$

Let's stop and think... Let's simplify the expression:

$$1$$

Let's simplify the expression:

$$2$$

Let's simplify the expression:

$$\left(\frac{1}{2}\right)$$

Aren't you feeling old. It turned out:

$$0.5$$

I think, its time to stop, but we must go on. Let's simplify the expression:

$$\left(3 - \cos^3\left(\ln x\right)\right)^{0.5}$$

It turned out:

$$\left(3 - \cos^3\left(\ln x\right)\right)^{0.5}$$

Would you like to commit a suicide? I would. Let's make a differential of:

$$0.5$$

We can see, that it is not good enough. It's going to be:

$$0$$

As you may want to continue. Let's make a differential of:

$$3$$

It's going to be:

$$0$$

Let's stop and think... Let's make a differential of:

$$x$$

It's going to be:

$$1$$

Let's make a differential of:

$$\left(\ln x\right)$$

Aren't you feeling old. It's going to be:

$$\frac{1}{x}$$

I think, its time to stop, but we must go on. Let's make a differential of:

$$\left(\cos\left(\left(\ln x\right)\right)\right)$$

It's going to be:

$$\left(\frac{1}{x}\right) \cdot \left((-1) \cdot \sin\left(\left(\ln x\right)\right)\right)$$

Would you like to commit a suicide? I would. Let's make a differential of:

$$\cos^3(\ln x)$$

We can see, that it is not good enough. It's going to be:

$$\cos^3(\ln x) \cdot \left(0 \cdot \ln(\cos((\ln x))) + \left(\left(\frac{1}{x}\right) \cdot ((-1) \cdot \sin((\ln x)))\right) \cdot \left(\frac{3}{\cos((\ln x))}\right)\right)$$

As you may want to continue. Let's make a differential of:

$$3$$

It's going to be:

$$0$$

Let's stop and think... Let's make a differential of:

$$\left(3 - \cos^3(\ln x)\right)$$

It's going to be:

$$0 - \cos^3(\ln x) \cdot \left(0 \cdot \ln(\cos((\ln x))) + \left(\left(\frac{1}{x}\right) \cdot ((-1) \cdot \sin((\ln x)))\right) \cdot \left(\frac{3}{\cos((\ln x))}\right)\right)$$

Let's make a differential of:

$$\left(3 - \cos^3(\ln x)\right)^{0.5}$$

Aren't you feeling old. It's going to be:

$$\left(3 - \cos^3(\ln x)\right)^{0.5} \cdot \left(0 \cdot \ln\left(3 - \cos^3(\ln x)\right) + \left(0 - \cos^3(\ln x) \cdot \left(0 \cdot \ln(\cos((\ln x))) + \left(\left(\frac{1}{x}\right) \cdot ((-1) \cdot \sin\right.\right.\right.$$

I think, its time to stop, but we must go on. Let's simplify the expression:

$$3$$

Let's simplify the expression:

$$x$$

Would you like to commit a suicide? I would. Let's simplify the expression:

$$(\ln x)$$

We can see, that it is not good enough. It turned out:

$$(\ln x)$$

As you may want to continue. Let's simplify the expression:

$$(\cos((\ln x)))$$

It turned out:

$$(\cos((\ln x)))$$

Let's stop and think... Let's simplify the expression:

$$3$$

Let's simplify the expression:

$$\cos^3(\ln x)$$

It turned out:

$$\cos^3(\ln x)$$

Aren't you feeling old. Let's simplify the expression:

$$\left(3 - \cos^3(\ln x)\right)$$

I think, its time to stop, but we must go on. It turned out:

$$\left(3 - \cos^3(\ln x)\right)$$

Let's simplify the expression:

$$0.5$$

Would you like to commit a suicide? I would. Let's simplify the expression:

$$\left(3 - \cos^3(\ln x)\right)^{0.5}$$

We can see, that it is not good enough. It turned out:

$$\left(3 - \cos^3(\ln x)\right)^{0.5}$$

As you may want to continue. Let's simplify the expression:

$$0$$

Let's simplify the expression:

$$3$$

Let's stop and think... Let's simplify the expression:

$$x$$

Let's simplify the expression:

$$(\ln x)$$

It turned out:

$$(\ln x)$$

Aren't you feeling old. Let's simplify the expression:

$$(\cos((\ln x)))$$

I think, its time to stop, but we must go on. It turned out:

$$(\cos((\ln x)))$$

Let's simplify the expression:

$$3$$

Would you like to commit a suicide? I would. Let's simplify the expression:

$$\cos^3(\ln x)$$

We can see, that it is not good enough. It turned out:

$$\cos^3(\ln x)$$

As you may want to continue. Let's simplify the expression:

$$\left(3 - \cos^3(\ln x)\right)$$

It turned out:

$$\left(3 - \cos^3(\ln x)\right)$$

Let's stop and think... Let's simplify the expression:

$$\ln\left(3 - \cos^3(\ln x)\right)$$

It turned out:

$$\ln\left(3 - \cos^3(\ln x)\right)$$

Let's simplify the expression:

$$0 \cdot \ln\left(3 - \cos^3(\ln x)\right)$$

Aren't you feeling old. It turned out:

$$0$$

I think, its time to stop, but we must go on. Let's simplify the expression:

$$0$$

Let's simplify the expression:

$$x$$

Would you like to commit a suicide? I would. Let's simplify the expression:

$$(\ln x)$$

We can see, that it is not good enough. It turned out:

$$(\ln x)$$

As you may want to continue. Let's simplify the expression:

$$(\cos((\ln x)))$$

It turned out:

$$(\cos((\ln x)))$$

Let's stop and think... Let's simplify the expression:

$$3$$

Let's simplify the expression:

$$\cos^3(\ln x)$$

It turned out:

$$\cos^3(\ln x)$$

Aren't you feeling old. Let's simplify the expression:

$$0$$

I think, its time to stop, but we must go on. Let's simplify the expression:

$$x$$

Let's simplify the expression:

$$(\ln x)$$

Would you like to commit a suicide? I would. It turned out:

$$(\ln x)$$

We can see, that it is not good enough. Let's simplify the expression:

$$(\cos((\ln x)))$$

As you may want to continue. It turned out:

$$(\cos((\ln x)))$$

Let's simplify the expression:

$$\ln(\cos((\ln x)))$$

Let's stop and think... It turned out:

$$\ln(\cos((\ln x)))$$

Let's simplify the expression:

$$0 \cdot \ln(\cos((\ln x)))$$

It turned out:

$$0$$

Aren't you feeling old. Let's simplify the expression:

$$1$$

I think, its time to stop, but we must go on. Let's simplify the expression:

$$x$$

Let's simplify the expression:

$$\left(\frac{1}{x}\right)$$

Would you like to commit a suicide? I would. It turned out:

$$\left(\frac{1}{x}\right)$$

We can see, that it is not good enough. Let's simplify the expression:

$$(-1)$$

As you may want to continue. Let's simplify the expression:

$$x$$

Let's simplify the expression:

$$(\ln x)$$

Let's stop and think... It turned out:

$$(\ln x)$$

Let's simplify the expression:

$$\sin\left((\ln x)\right)$$

It turned out:

$$\sin\left((\ln x)\right)$$

Aren't you feeling old. Let's simplify the expression:

$$((-1)\cdot\sin\left((\ln x)\right))$$

I think, its time to stop, but we must go on. It turned out:

$$((-1)\cdot\sin\left((\ln x)\right))$$

Let's simplify the expression:

$$\left(\left(\frac{1}{x}\right)\cdot((-1)\cdot\sin\left((\ln x)\right))\right)$$

Would you like to commit a suicide? I would. It turned out:

$$\left(\left(\frac{1}{x}\right) \cdot ((-1) \cdot \sin{((\ln x))})\right)$$

We can see, that it is not good enough. Let's simplify the expression:

$$3$$

As you may want to continue. Let's simplify the expression:

$$x$$

Let's simplify the expression:

$$(\ln x)$$

Let's stop and think... It turned out:

$$(\ln x)$$

Let's simplify the expression:

$$\cos{((\ln x))}$$

It turned out:

$$\cos{((\ln x))}$$

Aren't you feeling old. Let's simplify the expression:

$$\left(\frac{3}{\cos{((\ln x))}}\right)$$

I think, its time to stop, but we must go on. It turned out:

$$\left(\frac{3}{\cos{((\ln x))}}\right)$$

Let's simplify the expression:

$$\left(\left(\frac{1}{x}\right) \cdot ((-1) \cdot \sin{((\ln x))})\right) \cdot \left(\frac{3}{\cos{((\ln x))}}\right)$$

Would you like to commit a suicide? I would. It turned out:

$$\left(\left(\frac{1}{x}\right) \cdot ((-1) \cdot \sin{((\ln x))})\right) \cdot \left(\frac{3}{\cos{((\ln x))}}\right)$$

We can see, that it is not good enough. Let's simplify the expression:

$$\left(0 + \left(\left(\frac{1}{x}\right) \cdot ((-1) \cdot \sin{((\ln x))})\right) \cdot \left(\frac{3}{\cos{((\ln x))}}\right)\right)$$

As you may want to continue. It turned out:

$$\left(\left(\left(\frac{1}{x}\right)\cdot\left((-1)\cdot\sin\left((\ln x)\right)\right)\right)\cdot\left(\frac{3}{\cos\left((\ln x)\right)}\right)\right)$$

Let's simplify the expression:

$$\cos^3(\ln x)\cdot\left(\left(\left(\frac{1}{x}\right)\cdot\left((-1)\cdot\sin\left((\ln x)\right)\right)\right)\cdot\left(\frac{3}{\cos\left((\ln x)\right)}\right)\right)$$

Let's stop and think... It turned out:

$$\cos^3(\ln x)\cdot\left(\left(\left(\frac{1}{x}\right)\cdot\left((-1)\cdot\sin\left((\ln x)\right)\right)\right)\cdot\left(\frac{3}{\cos\left((\ln x)\right)}\right)\right)$$

Let's simplify the expression:

$$\left(0-\cos^3(\ln x)\cdot\left(\left(\left(\frac{1}{x}\right)\cdot\left((-1)\cdot\sin\left((\ln x)\right)\right)\right)\cdot\left(\frac{3}{\cos\left((\ln x)\right)}\right)\right)\right)$$

It turned out:

$$\left((-1)\cdot\left(\cos^3(\ln x)\cdot\left(\left(\left(\frac{1}{x}\right)\cdot\left((-1)\cdot\sin\left((\ln x)\right)\right)\right)\cdot\left(\frac{3}{\cos\left((\ln x)\right)}\right)\right)\right)\right)$$

Aren't you feeling old. Let's simplify the expression:

$$0.5$$

I think, its time to stop, but we must go on. Let's simplify the expression:

$$3$$

Let's simplify the expression:

$$x$$

Would you like to commit a suicide? I would. Let's simplify the expression:

$$(\ln x)$$

We can see, that it is not good enough. It turned out:

$$(\ln x)$$

As you may want to continue. Let's simplify the expression:

$$(\cos\left((\ln x)\right))$$

It turned out:

$$(\cos\left((\ln x)\right))$$

Let's stop and think... Let's simplify the expression:

$$3$$

Let's simplify the expression:

$$\cos^3(\ln x)$$

It turned out:

$$\cos^3(\ln x)$$

Aren't you feeling old. Let's simplify the expression:

$$3 - \cos^3(\ln x)$$

I think, its time to stop, but we must go on. It turned out:

$$3 - \cos^3(\ln x)$$

Let's simplify the expression:

$$\left(\frac{0.5}{3 - \cos^3(\ln x)}\right)$$

Would you like to commit a suicide? I would. It turned out:

$$\left(\frac{0.5}{3 - \cos^3(\ln x)}\right)$$

We can see, that it is not good enough. Let's simplify the expression:

$$\left((-1) \cdot \left(\cos^3(\ln x) \cdot \left(\left(\left(\frac{1}{x}\right) \cdot ((-1) \cdot \sin((\ln x)))\right) \cdot \left(\frac{3}{\cos((\ln x))}\right)\right)\right)\right) \cdot \left(\frac{0.5}{3 - \cos^3(\ln x)}\right)$$

As you may want to continue. It turned out:

$$\left((-1) \cdot \left(\cos^3(\ln x) \cdot \left(\left(\left(\frac{1}{x}\right) \cdot ((-1) \cdot \sin((\ln x)))\right) \cdot \left(\frac{3}{\cos((\ln x))}\right)\right)\right)\right) \cdot \left(\frac{0.5}{3 - \cos^3(\ln x)}\right)$$

Let's simplify the expression:

$$\left(0 + \left((-1) \cdot \left(\cos^3(\ln x) \cdot \left(\left(\left(\frac{1}{x}\right) \cdot ((-1) \cdot \sin((\ln x)))\right) \cdot \left(\frac{3}{\cos((\ln x))}\right)\right)\right)\right) \cdot \left(\frac{0.5}{3 - \cos^3(\ln x)}\right)\right)$$

Let's stop and think... It turned out:

$$\left(\left((-1) \cdot \left(\cos^3(\ln x) \cdot \left(\left(\left(\frac{1}{x}\right) \cdot ((-1) \cdot \sin((\ln x)))\right) \cdot \left(\frac{3}{\cos((\ln x))}\right)\right)\right)\right) \cdot \left(\frac{0.5}{3 - \cos^3(\ln x)}\right)\right)$$

Let's simplify the expression:

$$\left(3 - \cos^3(\ln x)\right)^{0.5} \cdot \left(\left((-1) \cdot \left(\cos^3(\ln x) \cdot \left(\left(\left(\frac{1}{x}\right) \cdot ((-1) \cdot \sin((\ln x)))\right) \cdot \left(\frac{3}{\cos((\ln x))}\right)\right)\right)\right) \cdot \left(\frac{}{3 - c\right.\right.$$

It turned out:

$$\left(3 - \cos^3(\ln x)\right)^{0.5} \cdot \left(\left((-1) \cdot \left(\cos^3(\ln x) \cdot \left(\left(\left(\frac{1}{x}\right) \cdot ((-1) \cdot \sin((\ln x)))\right) \cdot \left(\frac{3}{\cos((\ln x))}\right)\right)\right)\right) \cdot \left(\frac{}{3 - c\right.\right.$$