

Vogler

$$m(x) = \sqrt[7]{\ln e^{\sin e^{\cos e^{\sec x}}}}$$

Let	$M(a) = a$	Inverse	$\Rightarrow a(m) = a = m$	Diff.	$\Rightarrow \frac{da}{dm} = 1$
	$a(b) = \sqrt[7]{b}$		$\Rightarrow b(a) = b = a^7$		$\Rightarrow \frac{db}{da} = 7a^6$
	$b(c) = \ln c$		$\Rightarrow c(b) = c = e^b$		$\Rightarrow \frac{dc}{db} = e^b$
	$c(d) = e^d$		$\Rightarrow d(c) = d = \ln c$		$\Rightarrow \frac{dd}{dc} = \frac{1}{c}$
	$d(E) = \sin E$		$\Rightarrow E(d) = E = \arcsin d$		$\Rightarrow \frac{dE}{dd} = \frac{1}{\sqrt{1-d^2}}$
	$E(f) = e^f$		$\Rightarrow f(E) = f = \ln E$		$\Rightarrow \frac{df}{dE} = \frac{1}{E}$
	$f(g) = \cos g$		$\Rightarrow g(f) = g = \arccos f$		$\Rightarrow \frac{dg}{df} = \frac{-1}{\sqrt{1-f^2}}$
	$g(h) = e^h$		$\Rightarrow h(g) = h = \ln g$		$\Rightarrow \frac{dh}{dg} = \frac{1}{g}$
	$h(i) = \sec i$		$\Rightarrow i(h) = i = \operatorname{arcsec} h$		$\Rightarrow \frac{di}{dh} = \frac{1}{ h \sqrt{h^2-1}}$
	$i(x) = x$		$\Rightarrow x(i) = x = i$		$\Rightarrow \frac{dx}{di} = 1$

$$x = i(h(g(f(E(d(c(b(a(m))))))))))$$

$$x = \operatorname{arcsec} \ln \arccos \ln \arcsin \ln e^{m^7}$$

$$\frac{dx}{dm} = \frac{dx}{di} \frac{di}{dh} \frac{dh}{dg} \frac{dg}{df} \frac{df}{dE} \frac{dE}{dd} \frac{dd}{dc} \frac{dc}{db} \frac{db}{da} \frac{da}{dm}$$

$$= 1 \cdot \frac{1}{|h|\sqrt{h^2-1}} \cdot \frac{1}{g} \cdot \frac{-1}{\sqrt{1-f^2}} \cdot \frac{1}{E} \cdot \frac{1}{\sqrt{1-d^2}} \cdot \frac{1}{c} \cdot e^b \cdot \underbrace{7a^6}_{\text{or } 7m^6} \cdot 1$$