## Differentiator

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$$\frac{\frac{-3}{(5-x^{(x\cdot(3-x^2))})}}{\frac{-3}{(5-x^{(x\cdot(3-x^2))})}}} \frac{(x)'=1}{(x)'=1} \\ (x)'=1 \\ (x)'=1 \\ (x)'=0 \\ (3-x^2)'=0-2\cdot x=-1\cdot 2\cdot x \\ (x)'=1 \\ (x\cdot(3-x^2))'=1\cdot (3-x^2)+x\cdot -1\cdot 2\cdot x=3-x^2+x\cdot -1\cdot 2\cdot x \\ (x)'=1 \\ (x\cdot(3-x^2))'=x^{(x\cdot(3-x^2))}\cdot ((3-x^2)+x\cdot -1\cdot 2\cdot x)\cdot \ln(x)+\frac{1}{x}\cdot x\cdot (3-x^2)) \\ (5)'=0 \\ (5-x^{(x\cdot(3-x^2))})'=0-x^{(x\cdot(3-x^2))}\cdot ((3-x^2+x\cdot -1\cdot 2\cdot x)\cdot \ln(x)+\frac{1}{x}\cdot x\cdot (3-x^2))=-1\cdot x^{(x\cdot(3-x^2))}\cdot ((3-x^2+x\cdot -1\cdot 2\cdot x)\cdot \ln(x)+\frac{1}{x}\cdot x\cdot (3-x^2))=-1\cdot x^{(x\cdot(3-x^2))}\cdot ((3-x^2+x\cdot -1\cdot 2\cdot x)\cdot \ln(x)+\frac{1}{x}\cdot x\cdot (3-x^2)) \\ (-3)'=0 \\ (\frac{-3}{(5-x^{(x\cdot(3-x^2))})})'=\frac{(0\cdot(5-x^{(x\cdot(3-x^2))})-3\cdot -1\cdot x^{(x\cdot(3-x^2))}\cdot ((3-x^2+x\cdot -1\cdot 2\cdot x)\cdot \ln(x)+\frac{1}{x}\cdot x\cdot (3-x^2))}{(5-x^{(x\cdot(3-x^2))})^2}=\frac{-1\cdot -3\cdot -1\cdot x^{(x\cdot(3-x^2))}\cdot ((3-x^2+x\cdot -1\cdot 2\cdot x)\cdot \ln(x)+\frac{1}{x}\cdot x\cdot (3-x^2))}{(5-x^{(x\cdot(3-x^2))})^2}$$