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[> f := (x, y, z) -> z - sin(x*y) :
[> x := t -> t :
[> y := t -> ln(t) :
[> z := t -> exp(t - 1) :
[> diff(f(x(t), y(t), z(t)), t);
                                     e^{t-1} - cos(t ln(t)) (ln(t) + 1) (1)
[> D[1](f) (x, y, z) · D(x) (t) + D[2](f) (x, y, z) · D(y) (t) + D[3](f) (x, y, z) · D(z) (t);
                                     -cos(xy) y - \frac{cos(xy) x}{t} + e^{t-1} (2)
[> eval(%, [x=x(t), y=y(t), z=z(t)]);
                                     -cos(t ln(t)) ln(t) - cos(t ln(t)) + e^{t-1} (3)
[> collect(%, cos);
                                     (-ln(t) - 1) cos(t ln(t)) + e^{t-1} (4)
[>

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