

Maple V Release 4 - [eqt1.mws]

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```

> y:=proc(x)
>   evalf(ln(x)/LambertW(ln(x)));
> end;

                                     y := proc(x) evalf(ln(x)/LambertW(ln(x))) end
> y0:=proc(x)
>   evalf(ln(x)/LambertW(-1,ln(x)));
> end;

                                     y0 := proc(x) evalf(ln(x)/LambertW(-1,ln(x))) end
> evalf(exp(1)^(-ln(3)/6));

                                     .8326831776
> y(0.8326831776);

                                     .7940667757
> y0(0.8326831776);

                                     .06817855640
>
> x := -1 - (-ln(3)/6)/y(exp(1)^(-ln(3)/6))/ln(3);
                                     x := -.7901100111
> x0 := -1 - (-ln(3)/6)/y0(exp(1)^(-ln(3)/6))/ln(3);
                                     x0 := 1.444561392
> evalf(3^x-(2*x+2));

                                     0
> eval(3^x0-(2*x0+2));

                                     -3 10-8
>

```

Time: 0.0s Bytes: 511K Free: 4194303K