

Maple V Release 4 - [eqt2.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

> y(0.725);

.5673000769

> y0(0.725);

.1995022651

> evalf(exp(1)^(-ln(2)/5));

.8705505633

> y(0.8705505633);

.8494166478

> y0(0.8705505633);

.04456326857

> x:=(-ln(2)/5)/y(exp(1)^(-ln(2)/5))/(-ln(2));

x := .2354557102

> x0:=(-ln(2)/5)/y0(exp(1)^(-ln(2)/5))/(-ln(2));

x0 := 4.488001136

> evalf(2^x-5*x);

-1 10-8

> evalf(2^x0-5*x0);

0

>

```

Time: 0.0s Bytes: 639K Free: 4194303K