```
> e := exp(1);
```

$$e := \mathbf{e}$$

```
> y := proc(x)
> evalf(fsolve(n^n=x,n,evalf(1/e)..infinity));
> end;
```

$$y := \mathbf{proc}(x) \, \text{evalf}(\text{fsolve}(n^\wedge n = x, n, \text{evalf}(1 / e) \, .. \, \infty)) \, \mathbf{end}$$

```
> y0 := proc(x)
> evalf(fsolve(n^n=x,n,0..evalf(1/e)));
> end;
```

$$y0 := \mathbf{proc}(x) \, \text{evalf}(\text{fsolve}(n^\wedge n = x, n, 0 \, .. \, \text{evalf}(1 / e))) \, \mathbf{end}$$

```
> y(0.725);
```

$$.5673000768$$

```
> y0(0.725);
```

$$.1995022651$$

```
> z := 0.456;
```

$$z := .456$$

```
> x := 1/y(1/z);
```

$$x := .6163266470$$

```
> z^x;
```

$$.6163266470$$

```
> |
```