



```

> restart;
> printf("%20.3d", 234);
                234
> printf("%g %g %g\n", 123, 123/456, 123456789);
123 0.269737 1.23457e+08
> printf("%10.2s:%7.3s:%20.10s\n", MM, Map, Maplereahdae);
        MM:      Map:      Maplereahd
> x := 23; y := -1/x;
                x := 23
                y := -1/23

```

(6)

```

> sprintf("x = %d, y = %g", x, y);
                "x = 23, y = -0.0434783"

```

(7)

```

> restart;
> sprintf("%d", 34);
                "34"

```

(8)

```

> printf("%10.3d", 123);
        123

```

```

> printf("%20.5a", x + 1);
                x+1

```

```

> printf("%10.2f%20.3f", 1.44, 1.2345);
        1.44                1.234

```

```

> print(" this is a simple print");
                " this is a simple print"

```

(9)

```

> int(x^2 - 2 * x + 1, x = 0 .. 3);
                3

```

(10)

```

> Int(x^2 - 2 * x + 1, x = 0 .. 3) = int(x^2 - 2 * x + 1, x = 0 .. 3);
                ∫03 x^2 - 2x + 1 dx = 3

```

(11)

```

> Int(sin(x + 1), x = 0 .. Pi/2) = int(sin(x + 1), x = 0 .. Pi/2);
                ∫01/2 π sin(x + 1) dx = cos(1) + sin(1)

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(12)

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> Int(sin(x + 1), x) = int(sin(x + 1), x);
                ∫ sin(x + 1) dx = -cos(x + 1)

```

(13)

```

> Int(1/(x^4 + 1), x) = int(1/(x^4 + 1), x);
∫ 1/(x^4 + 1) dx = 1/8 √2 ln((x^2 + x√2 + 1)/(x^2 - x√2 + 1)) + 1/4 √2 arctan(x√2 + 1) + 1/4 √2 arctan
(x√2 - 1)

```

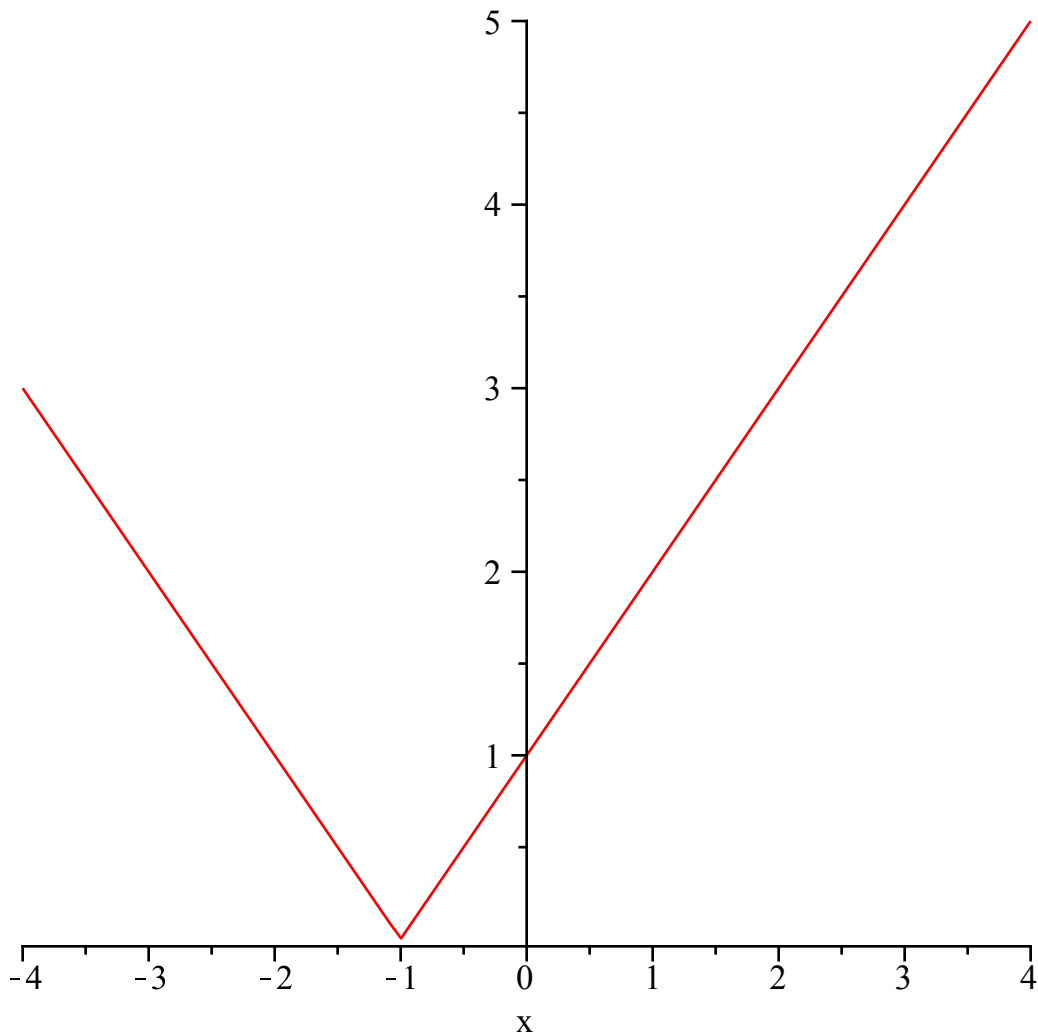
(14)

$$\begin{aligned} > \text{Sum}\left(\frac{1}{k^2 + k - 1}, k=1 \dots \text{infinity}\right) = \text{sum}\left(\frac{1}{k^2 + k - 1}, k=1 \dots \text{infinity}\right); \\ & \sum_{k=1}^{\infty} \frac{1}{k^2 + k - 1} = 1 + \frac{1}{5} \sqrt{5} \pi \tan\left(\frac{1}{2} \pi \sqrt{5}\right) \end{aligned} \quad (15)$$

$$\begin{aligned} > \text{Int}(\text{abs}(x + 1), x = -4 \dots 4); \\ & \int_{-4}^4 |x + 1| dx \end{aligned} \quad (16)$$

$$\begin{aligned} > \text{Int}(\text{abs}(x + 1), x = -4 \dots 4) = \text{int}(\text{abs}(x + 1), x = -4 \dots 4); \\ & \int_{-4}^4 |x + 1| dx = 17 \end{aligned} \quad (17)$$

> plot(abs(x + 1), x = -4 .. 4);



>