```
(%i1) (1 + 1/(1 + x))/(1 - 1/(1 + y));
```

$$\frac{\frac{1}{x+1}+1}{1-\frac{1}{y+1}}$$

```
(%i2) 'sum ('integrate (f(x)^k, x, 0, inf), k, 1, m);
```

$$\sum_{k=1}^{m} \int_{0}^{\inf} f(x)^k \, dx$$

```
(%i3) 'diff ('product (h[k](x, y, z), k, 1, n), x, 1, y, 1, z, 1);
```

$$\frac{d^3}{dx\,dy\,dz} \left(\prod_{k=1}^{n} h_k(x, y, z) \right)$$

```
(%i4) matrix ([a, b, c], [d, e, f], [g, h, i]);
```

$$\begin{bmatrix} a & b & c \\ d & e & f \\ g & h & i \end{bmatrix}$$

```
(%i5) abs (x^a^b);
```

$$\left| x^{a^b} \right|$$

```
(%i6) 'at (1/(1 + f(x)), x = a);
```

$$\left. \frac{1}{f(x)+1} \right|_{x=a}$$