

In [1]:

```
f(x)=(x+2)/((x-1)*(x+1))  
show(f)
```

Out[1]:

$$x \mapsto \frac{x + 2}{(x + 1)(x - 1)}$$

In [2]:

```
limit(f(x),x=1,dir='-')
```

Out[2]:

-Infinity

In [3]:

```
limit(f(x),x=1,dir='+')
```

Out[3]:

+Infinity

In [0]: