

In [1]:

```
var('t')
assume(t>0)
assume(t<1)
g(t)=integral(ln(x),x,t,1)
show(g)
```

Out[1]:

$t \mapsto -t \log(t) + t - 1$

In [2]:

```
limit(g(t),t=0,dir='+')
```

Out[2]:

-1

In [0]: