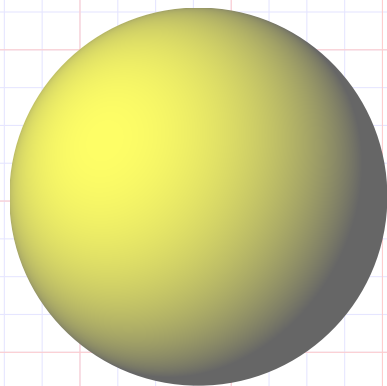


1 `tcolorbox` 代码块测试

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```
test.tex latex
1 \pgfdeclarefunctionalshading{sphere}
2 {\pgfpoint{-25bp}{-25bp}}
3 {\pgfpoint{+25bp}{+25bp}}{}{}
4 25 div exch 25 div exch 2 copy dup mul exch dup mul add 1.0
  ↪ sub
5 0.3 dup mul -0.5 dup mul add 1.0 sub mul abs sqrt
6 exch 0.3 mul add exch -0.5 mul add dup abs add 2.0 div
7 0.6 mul 0.4 add dup 0.4
8 }
9 \scalebox{0.5}{\tikz{\shade[shading=sphere] (0,0) circle
  ↪ [radius=5cm];}}
```



- 下面是一个列表测试项

```
test.hs haskell
1 module Main where
2
3 import Data.Time.LocalTime
4
5
6 main :: IO ()
7 main = do
8     now <- getZonedTime
9     print now
```

左侧的 L^AT_EX 语言高亮似乎有些问题，这个应该是 Pygments 的锅。

```
test.rkt racket
1 ;; 过程合约 : in-S? : Natural → Bool
2 ;; 过程用途 : (in-S? n) = #t 仅当 n 属于 S , 否则为 #f
3 ;; 实参语法 : Natural ::= 0 | (succ Natural)
4 (define in-S?
5   (lambda (n)
6     (if (zero? n) #t
7         (if (>= (- n 3) 0) (in-S? (- n 3))
8             #f))))
```

泥濞！我是沉积岩！下面是一段一段测试文字：

`['a'..'g']` -- by 沉积岩 `tcolorbox`

```
test.lean lean4
1 variable {p q r : Prop}
2
3 example : p ^ (q v r) ⇔ (p ^ q) v (p ^ r)
4 :=Iff.intro
5   (λ
6     | ⟨hp, Or.inl hq⟩ ⇒ Or.inl ⟨hp, hq⟩
7     | ⟨hp, Or.inr hr⟩ ⇒ Or.inr ⟨hp, hr⟩)
8   (λ
9     | Or.inl ⟨hp, hq⟩ ⇒ ⟨hp, Or.inl hq⟩
10    | Or.inr ⟨hp, hr⟩ ⇒ ⟨hp, Or.inr hr⟩)
```

$c, c'', c''', c'_1, c'_2, 0, 1$
 $f, f', f_1, f_2,$
 $\eta, \eta', \eta_1, \eta'_1,$
 $C, C', C_1, C'_2, \textcircled{1}, \textcircled{2}, \textcircled{3}$
 F, F_1, G, G_2
 $\text{よ}, \text{尤}, +, \times, \rightarrow, \text{Obj}, \text{Arr}, \text{Di}, \text{Di},$
 $\text{src}, \text{tar}, \cdot c!, \cdot c''!, \cdot ci, \cdot c_1 \text{id}$
 $\text{Obj}, \text{Cat} \text{Obj}, (\text{Cat} \text{Obj})$
 $\text{Obj}, \text{Cat} \text{Arr}, (\text{Cat} \text{Arr})$
 $\eta, \text{Cat} \eta, (\text{Cat} \eta)$
 $F \xrightarrow{\text{Cat}} G$

$c_2 c_1 f, (c_2 c_1 f)$
 $c_1 f,$
 $(c_1 f),$
 $(c_2 _ f),$
 $c_2 c_1 f, (c_2 c_1 f)$
 $c_2 (c_1 f), (c_2 (c_1 f))$
 $c_1 (c_2 _ f), (c_1 (c_2 _ f))$
 $\rightarrow,$
 $c_1 \rightarrow c_2, (c_1 \rightarrow c_2)$
 $c_1 \rightarrow c_2, (c_1 \rightarrow c_2)$
 $(c_1 \rightarrow _),$
 $c_2 (c_1 \rightarrow _), (c_2 (c_1 \rightarrow _))$
 $c_1 \rightarrow c_2, (c_1 \rightarrow c_2)$
 $(_ \rightarrow c_2),$
 $c_1 (_ \rightarrow c_2), (c_1 (_ \rightarrow c_2))$
 $\rightarrow,$
 $c_1 \rightarrow c_2, (c_1 \rightarrow c_2)$
 $c_1 \rightarrow c_2, (c_1 \rightarrow c_2)$
 $(c_1 \rightarrow _),$
 $c_2 (c_1 \rightarrow _), (c_2 (c_1 \rightarrow _))$
 $c_1 \rightarrow c_2, (c_1 \rightarrow c_2)$
 $(_ \rightarrow c_2),$
 $c_1 (_ \rightarrow c_2), (c_1 (_ \rightarrow c_2))$

$\$ \backslash \text{evHomo} \$$	\rightarrow	$\$ \backslash \text{evExpo} \$$	\rightarrow	$\$ \backslash \text{evobjget} \$$	Obj
$\$ \backslash \text{evHomo} . \{ \backslash \text{objcn1} \} . \{ \backslash \text{objcn2} \} \$$	$C_1 \rightarrow C_2$	$\$ \backslash \text{evExpo} . \{ \backslash \text{objcn1} \} . \{ \backslash \text{objcn2} \} \$$	$C_1 \rightarrow C_2$	$\$ \backslash \text{evobjget} . \{ \backslash \text{catD} \} \$$	$D \text{Obj}$
$\$ \backslash \text{evHomo} . \{ \backslash \text{objcn1} \} . \{ \backslash \text{objcn2} \} p \$$	$(C_1 \rightarrow C_2)$	$\$ \backslash \text{evExpo} . \{ \backslash \text{objcn1} \} . \{ \backslash \text{objcn2} \} p \$$	$(C_1 \rightarrow C_2)$	$\$ \backslash \text{evobjget} . \{ \backslash \text{catD} \} p \$$	$(D \text{Obj})$
$\$ \backslash \text{evHomo} < \{ \backslash \text{objcn1} \} . \{ \backslash \text{objcn2} \} \$$	$C_1 \rightarrow C_2$	$\$ \backslash \text{evExpo} < \{ \backslash \text{objcn1} \} . \{ \backslash \text{objcn2} \} \$$	$C_1 \rightarrow C_2$	$\$ \backslash \text{evarrget} \$$	Arr
$\$ \backslash \text{evHomo} < \{ \backslash \text{objcn1} \} . \{ \backslash \text{objcn2} \} p \$$	$(C_1 \rightarrow C_2)$	$\$ \backslash \text{evExpo} < \{ \backslash \text{objcn1} \} . \{ \backslash \text{objcn2} \} p \$$	$(C_1 \rightarrow C_2)$	$\$ \backslash \text{evarrget} . \{ \backslash \text{catC} \} \$$	$C \text{Arr}$
$\$ \backslash \text{evHomo} < \{ \backslash \text{objcn1} \} p \$$	$(C_1 \rightarrow _)$	$\$ \backslash \text{evExpo} < \{ \backslash \text{objcn1} \} p \$$	$(C_1 \rightarrow _)$	$\$ \backslash \text{evarrget} . \{ \backslash \text{catC} \} p \$$	$(C \text{Arr})$
$\$ \backslash \text{evHomo} < \{ \backslash \text{objcn1} \} p . \{ \backslash \text{objcn2} \} \$$	$C_2 (C_1 \rightarrow _)$	$\$ \backslash \text{evExpo} < \{ \backslash \text{objcn1} \} p . \{ \backslash \text{objcn2} \} \$$	$C_2 (C_1 \rightarrow _)$	$\$ \backslash \text{evntfeta} \$$	η
$\$ \backslash \text{evHomo} < \{ \backslash \text{objcn1} \} p . \{ \backslash \text{objcn2} \} p \$$	$(C_2 (C_1 \rightarrow _))$	$\$ \backslash \text{evExpo} < \{ \backslash \text{objcn1} \} p . \{ \backslash \text{objcn2} \} p \$$	$(C_2 (C_1 \rightarrow _))$	$\$ \backslash \text{evntfeta} . \{ \backslash \text{objc} \} \$$	c^η
$\$ \backslash \text{evHomo} > \{ \backslash \text{objcn2} \} . \{ \backslash \text{objcn1} \} \$$	$C_1 \rightarrow C_2$	$\$ \backslash \text{evExpo} > \{ \backslash \text{objcn2} \} . \{ \backslash \text{objcn1} \} \$$	$C_1 \rightarrow C_2$	$\$ \backslash \text{evntfeta} . \{ \backslash \text{objc} \} p \$$	(c^η)
$\$ \backslash \text{evHomo} > \{ \backslash \text{objcn2} \} . \{ \backslash \text{objcn1} \} p \$$	$(C_1 \rightarrow C_2)$	$\$ \backslash \text{evExpo} > \{ \backslash \text{objcn2} \} . \{ \backslash \text{objcn1} \} p \$$	$(C_1 \rightarrow C_2)$	$\$ \backslash \text{evntfeta} \$$	η
$\$ \backslash \text{evHomo} > \{ \backslash \text{objcn2} \} p \$$	$(_ \rightarrow C_2)$	$\$ \backslash \text{evExpo} > \{ \backslash \text{objcn2} \} p \$$	$(_ \rightarrow C_2)$	$\$ \backslash \text{evntfeta} . \{ \backslash \text{objc} \} \$$	c^η
$\$ \backslash \text{evHomo} > \{ \backslash \text{objcn2} \} p . \{ \backslash \text{objcn1} \} \$$	$C_1 (_ \rightarrow C_2)$	$\$ \backslash \text{evExpo} > \{ \backslash \text{objcn2} \} p . \{ \backslash \text{objcn1} \} \$$	$C_1 (_ \rightarrow C_2)$	$\$ \backslash \text{evntfeta} . \{ \backslash \text{objc} \} p \$$	(c^η)
$\$ \backslash \text{evHomo} > \{ \backslash \text{objcn2} \} p . \{ \backslash \text{objcn1} \} p \$$	$(C_1 (_ \rightarrow C_2))$	$\$ \backslash \text{evExpo} > \{ \backslash \text{objcn2} \} p . \{ \backslash \text{objcn1} \} p \$$	$(C_1 (_ \rightarrow C_2))$	$\$ \backslash \text{ldots} \$$	\dots