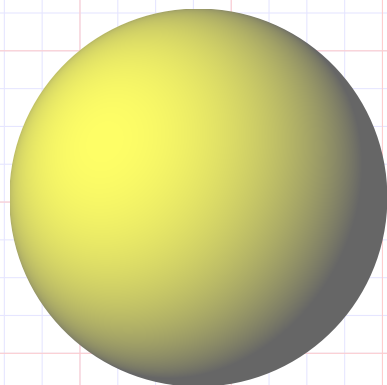


1 `tcolorbox` 代码块测试

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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))))
```

泥濘! 我是沉积岩! 下面是一段一段测试文字: `lst = [x| x <-`

`['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⟩)
```

$c, c'', c''', c'''' , c_1'', c_2', 0, 1$

$f, f', f_1, f_2,$

$\eta, \eta', \eta_1, \eta_1',$

$C, C', C_1, C_2'', \textcircled{1}, \textcircled{2}, \textcircled{3}$

F, F_1, G, G_2'

\downarrow, \Uparrow

$+, \times, \rightarrow, \text{Obj}, \text{Arr}, \text{Di}, \text{Di}, \text{src}, \text{tar}, c!, c''!, ci, c_1' \text{id}$

$\text{Obj}, \text{D Obj}, (\text{D Obj})$

$\text{Obj}, \text{D Arr}, (\text{D Arr})$

$\eta, c, \left(\begin{smallmatrix} \text{Cat} \\ c \end{smallmatrix} \right)$

$c_2 c_1 f, (c_2 c_1 f)$

$c_1 f,$

$(c_1 f),$

$(c_2 _ f),$

$c_2 c_1 f, (c_2 c_1 f)$

$c_2 (c_1 f), (c_2 (c_1 f))$

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

$F \xrightarrow{\quad} G$
 $\text{Cat} \xrightarrow{\quad} \text{D}$

$\rightarrow,$

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

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

$(c_1 \rightarrow _),$

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

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

$(_ \rightarrow c_2),$

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

$\rightarrow,$

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

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

$(c_1 \rightarrow _),$

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

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

$(_ \rightarrow c_2),$

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

