sample01 \$a^{2}\$

C:\Users\climber\Downloads\编译原理>translator sample0	l. txt				
Lexical Analysis					
<pre> < \$, \$ > < id, a > < î, î > < {, { > < num, 2 > < }, } > < \$, \$ > </pre>					
Lexical Analysis finishes with no error detected					
Syntax Analysis					
S>\$BF\$ B>id F>^{BF}F B>num F> F>					
Syntax Analysis finishes with no error detected					
Translate to html					
Translation finishes with no error dected 请按任意键继续					
☐ ☐ C:\Users\climber\Download ☐ C:\Users\climber\Down X + ∨			-		×
← → ひ ♠ ① file:///C:/Users/climber/Downloads/編译原理/result.html		∑ =	2	B	

 a^2

sample02 \$a_^{c2}{b}\$

C:\Users\climber\Downloads\编译原理>translator sample02.txt	
Lexical Analysis	
<pre> < \$,\$ > < id,a > < _, -, -> < {, {>} < id, c2 > < id, c2 > < },} > < {, {>} < id, b > < id, b > < },} > < \$,\$ > </pre>	
Lexical Analysis finishes with no error detected	
Syntax Analysis	
S>\$BF\$ B>id F>_^{BF} {BF}F B>id F> B>id F> B>id F> F>	
Syntax Analysis finishes with no error detected	
Translate to html	
Translation finishes with no error dected 请按任意键继续	
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← → ひ 命 ⑤ file:///C:/Users/climber/Downloads/编译原理/result.html ☆ ☆ ☆	•••
a_{c2}^b	

sample03 \$a_{2}\$

C:\Users\climber\Downloads\编译原理>translator sample03.txt
Lexical Analysis
<pre> < \$,\$ > < id,a > < , , > < {, {} > < \dagger{\} \}, } > < num, 2 > < }, } > < \$,\$ > </pre>
Lexical Analysis finishes with no error detected
Syntax Analysis
S>\$BF\$ B>id F>_{BF}F B>num F> F>
Syntax Analysis finishes with no error detected
Translate to html
Translation finishes with no error dected 请按任意键继续
□ C:\Users\climber\DownI × + ∨ - □ >
← → C) 命 ① file:///C:/Users/climber/Downloads/编译原理/result.html □ ☆ ☆

\$h\sum{a}{b}{c}\$

```
C:\Users\climber\Downloads\编译原理>translator请输入句子(以crt1+Z结束)
$h\sum{a}{b}{c}$
                             -Lexical Analysis--
  $, $ >
  id,h>
   \sum, \sum >
  id, a > }, } > {, { >
   id,b>
  id, c >
  },}>
$,$>
Lexical Analysis finishes with no error detected
                              -Syntax Analysis -
S-->$BF$
B-->id
   ->BF
B-->\sum{BF} {BF} {BF} 
B-->id
   ->id
   ->id
Syntax Analysis finishes with no error detected
                              -Translate to html -
Translation finishes with no error dected
```

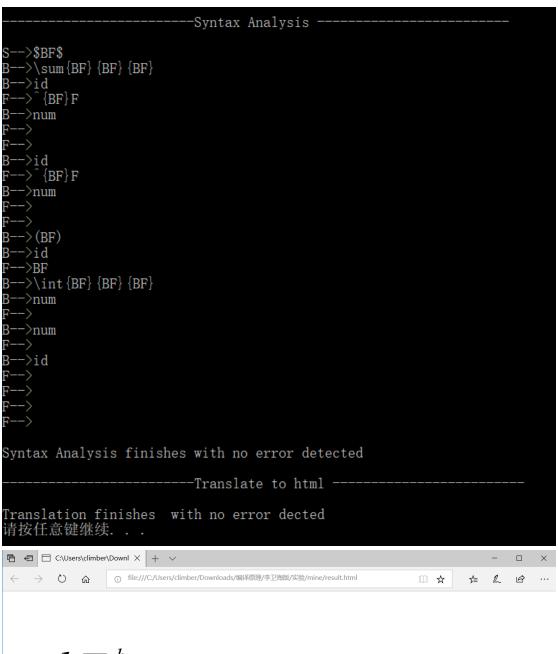


sample05 \$(this IS 512)\$

```
C:\Users\climber\Downloads\编译原理>translator sample05.txt
                            --Lexical Analysis---
  $, $ > (, ( >
  id, this >
  id, IS >
  num, 512 >
  ),) >
$,$ >
Lexical Analysis finishes with no error detected
                             -Syntax Analysis ---
  ->$BF$
B-->(BF)
B-->id
 -->BF
B-->id
  ->BF
  ->num
Syntax Analysis finishes with no error detected
                            --Translate to html ---
Translation finishes with no error dected
请按任意键继续. . .
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\leftarrow \rightarrow \circlearrowright \bigcirc file:///C:/Users/climber/Downloads/編译原理/result.html
```

(this IS 512)

sample06 \$\sum{a^{2}}{b^{2}}{(c\int{1}{2}{dt}))\$



 $h\Sigma_a^b c$

test01 \$154^{5}\$

C:\Users\climber\Downloads\编译原理>translator test01.	txt				
Lexical Analysis					
<pre> < \$, \$ > < num, 154 > < ^, ^, > < {, { > < num, 5 > < }, } > < \$, \$ > </pre>					
Lexical Analysis finishes with no error detected					
Syntax Analysis					
S>\$BF\$ B>num F>^{BF}F B>num F> F>					
Syntax Analysis finishes with no error detected					
Translate to html					
Translation finishes with no error dected 请按任意键继续					
C:\Users\climber\Downl × + V			-		×
← → ひ 兪 ① file:///C:/Users/climber/Downloads/編译原理/result.html	□ ☆	⋨	2	Ŕ	

154 ⁵

C:\Users\climb	per\Downloads\编译原理>translator test(02. txt				
	Lexical Analysis					
<pre>< \$,\$ > < id,ph > < , _ > < {, { } > < num, 3 > < },} > < \$,\$ > </pre> Lexical Analys	sis finishes with no error detected					
	Syntax Analysis					
S>\$BF\$ B>id F>_{BF}F B>num F> F>	s finishes with no error detected					
T1-4: C:	Translate to html					
Translation fi 请按任意键继续	nishes with no error dected					
☐ ← C:\Users\climber\				-		×
\leftarrow \rightarrow \circlearrowleft \spadesuit	① file:///C:/Users/climber/Downloads/编译原理/result.html	□ ☆	7=	2	B	

 ph_3

test03 \$n_^{10}{4}\$

C:\Users\climber\Downloads\编译原理>translator test03.txt				
Lexical Analysis				
<pre> < \$, \$ > < id, n > < _, _, _> < _, _, _> < {, {, {>}} < num, 10 > < }, } > < {, { > < num, 4 > < }, } > < \$, \$ > </pre>				
Lexical Analysis finishes with no error detected				
Syntax Analysis				
S>\$BF\$ B>id F>_^{BF} {BF} F B>num F> B>num F> F> F> F>				
Syntax Analysis finishes with no error detected				
Translate to html				
Translation finishes with no error dected 请按任意键继续				
☐ ← C:\Users\climber\Downl × + ∨		-		×
← → ひ 命 ⑤ file:///C:/Users/climber/Downloads/編译原理/result.html	*	\$ L	Ė	

test04 \$a^{b^{c^{2}}d}e\$

C:\Users\climber\Downloads\编译原理>translator test04.txt
Lexical Analysis
<pre> \$,\$ > id,a > ;</pre>
Lexical Analysis finishes with no error detected
Syntax Analysis
S>\$BF\$ B>id F>^{8F}F B>id F>^{8F}F B>id F>^{8F}F B>id F>^{8F}F B>num F> F> F>BF B>id F> F>BF B>id F> F>BF B>id F> F> F>BF
Syntax Analysis finishes with no error detected
Translate to html
Translation finishes with no error dected 请按任意键继续

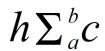


$$a^{b^{c^2}d}e$$

test05 \$\sum{a^{2}}{b^{2^{k}}}{(c\int{1}{2}{dt}))\$

```
C:\Users\climber\Downloads\编译原理>translator test05.txt
                                --Lexical Analysis--
  $, $ >
  \sum,\sum >
  id,a >
  num, 2 >
  id,b >
  {, { > num, 2 >
{, { > id, k > }, } > } >
  id, c > \int, \int > \, { >
  num, 1 >
  num, 2 >
  }, } >
{, { >
  id, dt >
  }, } >
), ) >
}, } >
$, $ >
Lexical Analysis finishes with no error detected
```

```
-Syntax Analysis -
S-->$BF$
   ->\sum {BF} {BF} {BF}
   ->id
   -> ~ {BF} F
   −>num
    >id
   ->^{BF}F
  ->num
  ->^{BF}F
->id
   -> (BF)
   >id
  ->BF
  ->\int {BF} {BF} {BF}
  −>num
  −>num
   ->id
Syntax Analysis finishes with no error detected
                                -Translate to html -
Translation finishes with no error dected
请按任意键继续. . .
☐ ← C:\Users\climber\Downl × + ∨
\leftarrow \rightarrow \circlearrowleft \spadesuit
                  ① file:///C:/Users/climber/Downloads/编译原理/李卫海版/实验/mine/result.html
                                                                        □ ☆
```



test06 \$test1 test2\blank test3\$

C:\Users\climber\Downloads\编译原理>translator test06.txt				
Lexical Analysis				
<pre> < \$,\$ > < id, test1 > < id, test2 > < blank, \blank > < id, test3 > < \$,\$ > </pre>				
Lexical Analysis finishes with no error detected				
Syntax Analysis				
S>\$BF\$ B>id F>BF B>id F>BF B>>id F>BF B>\blank F>BF B>id F>BF B>id F>BF				
Syntax Analysis finishes with no error detected				
Translate to html				
Translation finishes with no error dected 请按任意键继续				
☐ ☐ C:\Users\climber\Downl X + ∨		-		×
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test1 test2 test3

test07 \$(a_{4})^{2}\$

C:\Users\climber\Downloads\编译原理>translator test07.	txt				
Lexical Analysis					
<pre> < \$, \$ > < (, (> < id, a > <</pre>					
Lexical Analysis finishes with no error detected					
Syntax Analysis					
S>\$BF\$ B>(BF) B>id F>_{BF}F B>num F> F> F> {BF}F B>num F> F> {BF}->					
Syntax Analysis finishes with no error detected					
Translate to html					
Translation finishes with no error dected 请按任意键继续					
☐ ← C:\Users\climber\Downl × + ∨			-		×
← → ひ 命 ⑤ file:///C:/Users/climber/Downloads/編译原理/result.html	□ ☆	7=	2_	Ŕ	

$$(a_4)^2$$

test08 \${a_{4}}^{2}\$

test09 \$a^{b^{c^{2}d}\$

```
C:\Users\climber\Downloads\编译原理>translator test09.txt
                         --Lexical Analysis--
  $, $ >
  id,a>
  id, b >
  id, c >
  id, d >
Lexical Analysis finishes with no error detected
                          -Syntax Analysis -
  ->$BF$
  ->id
   ->^{BF}F
->id
   >^{BF}F
   ->id
   ->^ {BF} F
  ->num
  ->BF
  ->id
Syntax error: expect } while input is $
Translation stops unexpectedly due to mismatch of symbols
```

test10 \$a^{b^{c^{2.1}}d}\$

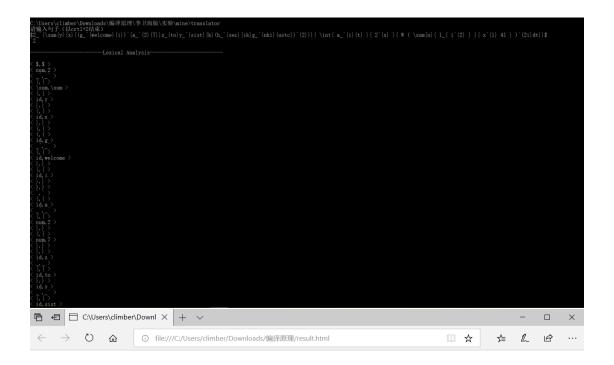
test11 \$a^{su}\imt{1}{ie}^{83}u\$

test12 a^{su}\int{1}{ie}^{83}u\$

test13 \$a^{su}\int{}{ie}^{83}u

```
C:\Users\climber\Downloads\编译原理\李卫海版\实验\mine>translator
请输入句子(以crt1+Z结束)
$a^{su}\int{1}{ie}{83}
^Z
                           ---Lexical Analysis----
  $, $ >
  id,a >
  id, su >
   \int, \int >
  num, 1 >
  id, ie >
  {, { > num, 83 >
Lexical Analysis finishes with no error detected
                             -Syntax Analysis --
S-->$BF$
B-->id
F-->^{BF}F
B-->id
F--->BF
B--> \inf \{BF\} \{BF\} \{BF\}
B-->num
B-->id
 -->num
Syntax error: missing a $ at the end,the sentence must end with a $
Translation stops unexpectedly due to mismatch of symbols
```

$\label{test14} $2_^{\sum_{g_^{\sum{y}_{x}}(g_^{\welcome}_{i})^{a_^{2}_{7}}z_{to}y_^{sist}_{k}(h_^{sec}_{ik}g_^{nki}_{ustc})^{2}}_{\ \inf\{a_^{i}_{t}\}\{ 2^{x} }\{ W (\sum_{i^{2}} x^{l}4l \})^{2i}dt}_{sec}^{sist}_{t}\}_{sec}^{sist}_{t}}_{sec}$



$$2^{\int_{a_i^t}^{2^x} \mathcal{W}\left(\sum_n^l x^l 4l\right)^{2i} dt}_{\sum_y^x \left(g_{welcome}^i\right)^{a_z^t} Z_{to} y_{sist}^k \left(h_{sec}^{ik} g_{nki}^{ustc}\right)^2}$$