

# Logiweb dictionary of base

## Up Help

- 0 0 base
- 1 2 [ $*$   $\bowtie$   $*$ ]
- 2 1 “ $*$ ”
- 3 0
- 4 2  $*$ ,  $*$
- 5 3  $*[*]*$
- 6 2 **Preassociative**  $*, *$
- 7 2 **Postassociative**  $*, *$
- 8 2 [ $*$ ],  $*$
- 9 1 priority  $*$  end
- 10 1
- \*
- 11 0  $*$
- 12 1  $(*)^t$
- 13 2 string( $*$ ) +  $*$
- 14 2 string( $*$ ) ++  $*$
- 15 0 pyk
- 16 3 [ $*$   $\xrightarrow{*}$   $*$ ]
- 17 2  $*$  linebreak[4]  $*$
- 18 1 bracket  $*$  end bracket
- 19 1 big bracket  $*$  end bracket
- 20 1  $\$* \$$
- 21 1 **flush left** [ $*$ ]
- 22 0  $\times$
- 23 0  $y$
- 24 0  $z$
- 25 0 tex
- 26 0 name
- 27 0 prio

28 0 T  
29 3 if(\*, \*, \*)  
30 3 [ $\overset{*}{\Rightarrow}$  \*]  
31 0 val  
32 1 \*  
33 1 !\*  
34 1 "\*"   
35 1 #\*  
36 1 \$\*  
37 1 %\*  
38 1 &\*  
39 1 '\*  
40 1 (\*  
41 1 )\*  
42 1 \*\*  
43 1 +\*  
44 1 ,\*  
45 1 -\*  
46 1 .\*  
47 1 /\*  
48 1 0\*  
49 1 1\*  
50 1 2\*  
51 1 3\*  
52 1 4\*  
53 1 5\*  
54 1 6\*  
55 1 7\*  
56 1 8\*  
57 1 9\*  
58 1 :\*  
59 1 ;\*  
60 1 <\*  
61 1 ==\*

62 1 >\*

63 1 ?\*

64 1 @\*

65 1 A\*

66 1 B\*

67 1 C\*

68 1 D\*

69 1 E\*

70 1 F\*

71 1 G\*

72 1 H\*

73 1 I\*

74 1 J\*

75 1 K\*

76 1 L\*

77 1 M\*

78 1 N\*

79 1 O\*

80 1 P\*

81 1 Q\*

82 1 R\*

83 1 S\*

84 1 T\*

85 1 U\*

86 1 V\*

87 1 W\*

88 1 X\*

89 1 Y\*

90 1 Z\*

91 1 [\*

92 1 \\*

93 1 ]\*

94 1 ^\*

95 1 \_\*

- 96 1 ‘\*
- 97 1 a\*
- 98 1 b\*
- 99 1 c\*
- 100 1 d\*
- 101 1 e\*
- 102 1 f\*
- 103 1 g\*
- 104 1 h\*
- 105 1 i\*
- 106 1 j\*
- 107 1 k\*
- 108 1 l\*
- 109 1 m\*
- 110 1 n\*
- 111 1 o\*
- 112 1 p\*
- 113 1 q\*
- 114 1 r\*
- 115 1 s\*
- 116 1 t\*
- 117 1 u\*
- 118 1 v\*
- 119 1 w\*
- 120 1 x\*
- 121 1 y\*
- 122 1 z\*
- 123 1 {\*
- 124 1 |\*
- 125 1 }\*
- 126 1 ~\*
- 127 0 claim
- 128 0  $\perp$
- 129 1 f(\*)

130 1 (\*)<sup>I</sup>

131 0 F

132 0 0

133 0 1

134 0 2

135 0 3

136 0 4

137 0 5

138 0 6

139 0 7

140 0 8

141 0 9

142 0 0

143 0 1

144 0 2

145 0 3

146 0 4

147 0 5

148 0 6

149 0 7

150 0 8

151 0 9

152 0 a

153 0 b

154 0 c

155 0 d

156 0 e

157 0 f

158 0 g

159 0 h

160 0 i

161 0 j

162 0 k

163 0 l

164 0 m  
 165 0 n  
 166 0 o  
 167 0 p  
 168 0 q  
 169 0 r  
 170 0 s  
 171 0 t  
 172 0 u  
 173 0 v  
 174 0 w  
 175 1  $(*)^M$   
 176 3 If(\*, \*, \*)  
 177 2 array{\*} \* end array  
 178 0 l  
 179 0 c  
 180 0 r  
 181 0 empty  
 182 3  $\langle * | * := * \rangle$   
 183 1  $\mathcal{M}(*)$   
 184 1  $\tilde{\mathcal{U}}(*)$   
 185 1  $\mathcal{U}(*)$   
 186 1  $\mathcal{U}^M(*)$   
 187 2 **apply**(\*, \*)  
 188 2 **apply**<sub>1</sub>(\*, \*)  
 189 1 identifier(\*)  
 190 2 identifier<sub>1</sub>(\*, \*)  
 191 2 array-plus(\*, \*)  
 192 3 array-remove(\*, \*, \*)  
 193 4 array-put(\*, \*, \*, \*)  
 194 5 array-add(\*, \*, \*, \*, \*)  
 195 2 bit(\*, \*)  
 196 2 bit<sub>1</sub>(\*, \*)  
 197 0 rack

198 0 "vector"  
199 0 "bibliography"  
200 0 "dictionary"  
201 0 "body"  
202 0 "codex"  
203 0 "expansion"  
204 0 "code"  
205 0 "cache"  
206 0 "diagnose"  
207 0 "pyk"  
208 0 "tex"  
209 0 "texname"  
210 0 "value"  
211 0 "message"  
212 0 "macro"  
213 0 "definition"  
214 0 "unpack"  
215 0 "claim"  
216 0 "priority"  
217 0 "lambda"  
218 0 "apply"  
219 0 "true"  
220 0 "if"  
221 0 "quote"  
222 0 "proclaim"  
223 0 "define"  
224 0 "introduce"  
225 0 "hide"  
226 0 "pre"  
227 0 "post"  
228 3  $\mathcal{E}(*, *, *)$   
229 5  $\mathcal{E}_2(*, *, *, *, *)$   
230 4  $\mathcal{E}_3(*, *, *, *, *)$   
231 4  $\mathcal{E}_4(*, *, *, *, *)$

232 3 **lookup**(\*,\*,\*)  
 233 4 **abstract**(\*,\*,\*,\*)  
 234 1 [\*]  
 235 3  $\mathcal{M}(*,*,*)$   
 236 4  $\mathcal{M}_2(*,*,*,*)$   
 237 3  $\mathcal{M}^*(*,*,*)$   
 238 0 macro  
 239 0  $s_0$   
 240 2 **zip**(\*,\*)  
 241 3 **assoc**<sub>1</sub>(\*,\*,\*)  
 242 1 (\*)<sup>P</sup>  
 243 0 self  
 244 2 [\*  $\ddot{=}$  \*]  
 245 2 [\*  $\dot{=}$  \*]  
 246 2 [\*  $\leq$  \*]  
 247 2 [\*  $\stackrel{\text{pyk}}{=}$  \*]  
 248 2 [\*  $\stackrel{\text{tex}}{=}$  \*]  
 249 2 [\*  $\stackrel{\text{name}}{=}$  \*]  
 250 1 **Priority table**[\*]  
 251 0  $\tilde{\mathcal{M}}_1$   
 252 1  $\tilde{\mathcal{M}}_2(*)$   
 253 1  $\tilde{\mathcal{M}}_3(*)$   
 254 4  $\tilde{\mathcal{M}}_4(*,*,*,*)$   
 255 3  $\tilde{\mathcal{M}}(*,*,*)$   
 256 3  $\tilde{\mathcal{Q}}(*,*,*)$   
 257 3  $\tilde{\mathcal{Q}}_2(*,*,*)$   
 258 4  $\tilde{\mathcal{Q}}_3(*,*,*,*)$   
 259 3  $\tilde{\mathcal{Q}}^*(*,*,*)$   
 260 1 (\*)  
 261 1 (\*)  
 262 1 **display**(\*)  
 263 1 **statement**(\*)  
 264 1 [\*].



265 1  $[*]^-$   
 266 2 **aspect**(\*,\*)  
 267 3 **aspect**(\*,\*,\*)  
 268 1  $\langle * \rangle$   
 269 1 **tuple**<sub>1</sub>(\*)  
 270 1 **tuple**<sub>2</sub>(\*)  
 271 2 **let**<sub>2</sub>(\*,\*)  
 272 2 **let**<sub>1</sub>(\*,\*)  
 273 2  $[* \stackrel{\text{claim}}{=} *]$   
 274 0 checker  
 275 2 **check**(\*,\*)  
 276 3 **check**<sub>2</sub>(\*,\*,\*)  
 277 3 **check**<sub>3</sub>(\*,\*,\*)  
 278 2 **check**<sup>\*</sup>(\*,\*)  
 279 3 **check**<sub>2</sub><sup>\*</sup>(\*,\*,\*)  
 280 1  $[*]^\cdot$   
 281 1  $[*]^-$   
 282 1  $[*]^\circ$   
 283 0 msg  
 284 2  $[* \stackrel{\text{msg}}{=} *]$   
 285 0 <stmt>  
 286 0 stmt  
 287 2  $[* \stackrel{\text{stmt}}{=} *]$   
 288 0 HeadNil'  
 289 0 HeadPair'  
 290 0 Transitivity'  
 291 0  $\perp$   
 292 0 Contra'  
 293 0  $T'_E$   
 294 0  $L_1$   
 295 1  $*$   
 296 0  $\mathcal{A}$   
 297 0  $\mathcal{B}$

298 0  $\mathcal{C}$   
 299 0  $\mathcal{D}$   
 300 0  $\mathcal{E}$   
 301 0  $\mathcal{F}$   
 302 0  $\mathcal{G}$   
 303 0  $\mathcal{H}$   
 304 0  $\mathcal{I}$   
 305 0  $\mathcal{J}$   
 306 0  $\mathcal{K}$   
 307 0  $\mathcal{L}$   
 308 0  $\mathcal{M}$   
 309 0  $\mathcal{N}$   
 310 0  $\mathcal{O}$   
 311 0  $\mathcal{P}$   
 312 0  $\mathcal{Q}$   
 313 0  $\mathcal{R}$   
 314 0  $\mathcal{S}$   
 315 0  $\mathcal{T}$   
 316 0  $\mathcal{U}$   
 317 0  $\mathcal{V}$   
 318 0  $\mathcal{W}$   
 319 0  $\mathcal{X}$   
 320 0  $\mathcal{Y}$   
 321 0  $\mathcal{Z}$   
 322 3  $\langle * | * := * \rangle$   
 323 3  $\langle ** | * := * \rangle$   
 324 0  $\emptyset$   
 325 0 Remainder  
 326 1  $(*)^\forall$   
 327 4  $\text{intro}(*, *, *, *)$   
 328 3  $\text{intro}(*, *, *)$   
 329 2  $\text{error}(*, *)$   
 330 2  $\text{error}_2(*, *)$   
 331 3  $\text{proof}(*, *, *)$

332 2  $\text{proof}_2(*, *)$   
 333 2  $\mathcal{S}(*, *)$   
 334 2  $\mathcal{S}^I(*, *)$   
 335 2  $\mathcal{S}^\triangleright(*, *)$   
 336 3  $\mathcal{S}_1^\triangleright(*, *, *)$   
 337 2  $\mathcal{S}^E(*, *)$   
 338 3  $\mathcal{S}_1^E(*, *, *)$   
 339 2  $\mathcal{S}^+(*, *)$   
 340 3  $\mathcal{S}_1^+(*, *, *)$   
 341 2  $\mathcal{S}^-(*, *)$   
 342 3  $\mathcal{S}_1^-(*, *, *)$   
 343 2  $\mathcal{S}^*(*, *)$   
 344 3  $\mathcal{S}_1^*(*, *, *)$   
 345 4  $\mathcal{S}_2^*(*, *, *, *)$   
 346 2  $\mathcal{S}^\textcircled{*}(*, *)$   
 347 3  $\mathcal{S}_1^\textcircled{*}(*, *, *)$   
 348 2  $\mathcal{S}^\text{+}(*, *)$   
 349 4  $\mathcal{S}_1^\text{+}(*, *, *, *)$   
 350 2  $\mathcal{S}^\text{++}(*, *)$   
 351 4  $\mathcal{S}_1^\text{++}(*, *, *, *)$   
 352 2  $\mathcal{S}^{\text{i.e.}}(*, *)$   
 353 4  $\mathcal{S}_1^{\text{i.e.}}(*, *, *, *)$   
 354 5  $\mathcal{S}_2^{\text{i.e.}}(*, *, *, *, *)$   
 355 2  $\mathcal{S}^\forall(*, *)$   
 356 4  $\mathcal{S}_1^\forall(*, *, *, *)$   
 357 2  $\mathcal{S}^i(*, *)$   
 358 3  $\mathcal{S}_1^i(*, *, *)$   
 359 4  $\mathcal{S}_2^i(*, *, *, *)$   
 360 1  $\mathcal{T}(*)$   
 361 3  $\text{claims}(*, *, *)$   
 362 3  $\text{claims}_2(*, *, *)$   
 363 0  $\langle \text{proof} \rangle$   
 364 0  $\text{proof}$   
 365 2  $[\mathbf{Lemma} \ * : *]$

366 2 [**Proof of** \*: \*]  
 367 3 [\* **lemma** \*: \*]  
 368 3 [\* **antilemma** \*: \*]  
 369 3 [\* **rule** \*: \*]  
 370 3 [\* **antirule** \*: \*]  
 371 0 verifier  
 372 1  $\mathcal{V}_1(*)$   
 373 2  $\mathcal{V}_2(*, *)$   
 374 4  $\mathcal{V}_3(*, *, *, *)$   
 375 2  $\mathcal{V}_4(*, *)$   
 376 4  $\mathcal{V}_5(*, *, *, *)$   
 377 4  $\mathcal{V}_6(*, *, *, *)$   
 378 4  $\mathcal{V}_7(*, *, *, *)$   
 379 2 Cut(\*, \*)  
 380 1 Head $\oplus$ (\* )  
 381 1 Tail $\oplus$ (\* )  
 382 2 rule<sub>1</sub>(\*, \*)  
 383 2 rule(\*, \*)  
 384 0 Rule tactic  
 385 2 Plus(\*, \*)  
 386 1 [**Theory** \*]  
 387 2 theory<sub>2</sub>(\*, \*)  
 388 2 theory<sub>3</sub>(\*, \*)  
 389 3 theory<sub>4</sub>(\*, \*, \*)  
 390 0 HeadNil''  
 391 0 HeadPair''  
 392 0 Transitivity''  
 393 0 Contra''  
 394 0 HeadNil  
 395 0 HeadPair  
 396 0 Transitivity  
 397 0 Contra  
 398 0 T<sub>E</sub>  
 399 0 ragged right

400 0 ragged right expansion  
401 3 parm(\*, \*, \*)  
402 3 parm\*(\*, \*, \*)  
403 2 inst(\*, \*)  
404 2 inst\*(\*, \*)  
405 3 occur(\*, \*, \*)  
406 3 occur\*(\*, \*, \*)  
407 3 unify(\* = \*, \*)  
408 3 unify\*(\* = \*, \*)  
409 3 unify<sub>2</sub>(\* = \*, \*)  
410 0 L<sub>a</sub>  
411 0 L<sub>b</sub>  
412 0 L<sub>c</sub>  
413 0 L<sub>d</sub>  
414 0 L<sub>e</sub>  
415 0 L<sub>f</sub>  
416 0 L<sub>g</sub>  
417 0 L<sub>h</sub>  
418 0 L<sub>i</sub>  
419 0 L<sub>j</sub>  
420 0 L<sub>k</sub>  
421 0 L<sub>l</sub>  
422 0 L<sub>m</sub>  
423 0 L<sub>n</sub>  
424 0 L<sub>o</sub>  
425 0 L<sub>p</sub>  
426 0 L<sub>q</sub>  
427 0 L<sub>r</sub>  
428 0 L<sub>s</sub>  
429 0 L<sub>t</sub>  
430 0 L<sub>u</sub>  
431 0 L<sub>v</sub>  
432 0 L<sub>w</sub>  
433 0 L<sub>x</sub>

434 0  $L_y$   
435 0  $L_z$   
436 0  $L_A$   
437 0  $L_B$   
438 0  $L_C$   
439 0  $L_D$   
440 0  $L_E$   
441 0  $L_F$   
442 0  $L_G$   
443 0  $L_H$   
444 0  $L_I$   
445 0  $L_J$   
446 0  $L_K$   
447 0  $L_L$   
448 0  $L_M$   
449 0  $L_N$   
450 0  $L_O$   
451 0  $L_P$   
452 0  $L_Q$   
453 0  $L_R$   
454 0  $L_S$   
455 0  $L_T$   
456 0  $L_U$   
457 0  $L_V$   
458 0  $L_W$   
459 0  $L_X$   
460 0  $L_Y$   
461 0  $L_Z$   
462 0  $L_?$   
463 0 Reflexivity  
464 0 Reflexivity<sub>1</sub>  
465 0 Commutativity  
466 0 Commutativity<sub>1</sub>  
467 0 <tactic>

468 0 tactic  
 469 2 [ $* \stackrel{\text{tactic}}{=} *$ ]  
 470 3  $\mathcal{P}(*, *, *)$   
 471 3  $\mathcal{P}^*(*, *, *)$   
 472 0  $p_0$   
 473 2  $\text{conclude}_1(*, *)$   
 474 3  $\text{conclude}_2(*, *, *)$   
 475 4  $\text{conclude}_3(*, *, *, *)$   
 476 2  $\text{conclude}_4(*, *)$   
 477 2  $*_{\{*\}}$   
 478 5  $*/\text{indexintro}(*, *, *, *)$   
 479 4  $*/\text{intro}(*, *, *)$   
 480 6  $*/\text{bothintro}(*, *, *, *, *)$   
 481 5  $*/\text{nameintro}(*, *, *, *, *)$   
 482 1  $*'$   
 483 2  $*[ * ]$   
 484 3  $*[ * \rightarrow * ]$   
 485 3  $*[ * \Rightarrow * ]$   
 486 1  $*0$   
 487 1  $*1$   
 488 0  $0b$   
 489 2  $*\text{-color}(*)$   
 490 2  $*\text{-color}^*(*)$   
 491 1  $*^H$   
 492 1  $*^T$   
 493 1  $*^U$   
 494 1  $*^h$   
 495 1  $*^t$   
 496 1  $*^s$   
 497 1  $*^c$   
 498 1  $*^d$   
 499 1  $*^a$   
 500 1  $*^C$   
 501 1  $*^M$

502 1 \*<sup>B</sup>  
 503 1 \*<sup>r</sup>  
 504 1 \*<sup>i</sup>  
 505 1 \*<sup>d</sup>  
 506 1 \*<sup>R</sup>  
 507 1 \*<sup>0</sup>  
 508 1 \*<sup>1</sup>  
 509 1 \*<sup>2</sup>  
 510 1 \*<sup>3</sup>  
 511 1 \*<sup>4</sup>  
 512 1 \*<sup>5</sup>  
 513 1 \*<sup>6</sup>  
 514 1 \*<sup>7</sup>  
 515 1 \*<sup>8</sup>  
 516 1 \*<sup>9</sup>  
 517 1 \*<sup>E</sup>  
 518 1 \*<sup>V</sup>  
 519 1 \*<sup>C</sup>  
 520 1 \*<sup>C\*</sup>  
 521 1 newline \*  
 522 1 macro newline \*  
 523 2 \* ' \*  
 524 2 \* ' \*  
 525 2 \* · \*  
 526 2 \* ·<sub>0</sub> \*  
 527 2 \* + \*  
 528 2 \* +<sub>0</sub> \*  
 529 2 \* +<sub>1</sub> \*  
 530 2 \* - \*  
 531 2 \* -<sub>0</sub> \*  
 532 2 \* -<sub>1</sub> \*  
 533 2 \* ∪ { \* }  
 534 2 \* ∪ \*  
 535 2 \* \{ \* }



- 536  $2 * \dot{\cdot} *$
- 537  $2 * \underline{\dot{\cdot}} *$
- 538  $2 * \underline{\dot{\cdot}} *$
- 539  $2 * \underline{+2} *$
- 540  $2 * \dot{\cdot} *$
- 541  $2 * +2 * *$
- 542  $2 *, *$
- 543  $2 * \overset{B}{\approx} *$
- 544  $2 * \overset{D}{\approx} *$
- 545  $2 * \overset{C}{\approx} *$
- 546  $2 * \overset{P}{\approx} *$
- 547  $2 * \approx *$
- 548  $2 * = *$
- 549  $2 * \overset{\dagger}{\mapsto} *$
- 550  $2 * \overset{t}{=} *$
- 551  $2 * \overset{t^*}{=} *$
- 552  $2 * \overset{r}{=} *$
- 553  $2 * \in_t *$
- 554  $2 * \subseteq_T *$
- 555  $2 * \overset{T}{=} *$
- 556  $2 * \overset{s}{=} *$
- 557  $2 * \text{free in } *$
- 558  $2 * \text{free in}^* *$
- 559  $3 * \text{free for } * \text{ in } *$
- 560  $3 * \text{free for}^* * \text{ in } *$
- 561  $2 * \in_c *$
- 562  $2 * < *$
- 563  $2 * <' *$
- 564  $2 * \leq' *$
- 565  $1 \neg *$
- 566  $2 * \wedge *$
- 567  $2 * \ddot{\wedge} *$
- 568  $2 * \tilde{\wedge} *$

569 2 \*  $\wedge_c$  \*  
 570 2 \*  $\vee$  \*  
 571 2 \*  $\parallel$  \*  
 572 2 \*  $\ddot{\vee}$  \*  
 573 2 \*  $\Rightarrow$  \*  
 574 2 \* : \*  
 575 2 \* spy \*  
 576 2 \* ! \*  
 577 3 \*  $\left\{ \begin{array}{l} * \\ * \end{array} \right.$  \*  
 578 2  $\lambda$  \* . \*  
 579 2  $\Lambda$  \* . \*  
 580 1  $\Lambda$  \*  
 581 3 **if** \* **then** \* **else** \*  
 582 3 **let** \* = \* **in** \*  
 583 3 **let** \*  $\doteq$  \* **in** \*  
 584 1 \*<sup>I</sup>  
 585 1 \* $\triangleright$   
 586 1 \*<sup>V</sup>  
 587 1 \*<sup>+</sup>  
 588 1 \*<sup>-</sup>  
 589 1 \*<sup>\*</sup>  
 590 2 \* @ \*  
 591 2 \*  $\triangleright$  \*  
 592 2 \*  $\blacktriangleright$  \*  
 593 2 \*  $\gg$  \*  
 594 2 \*  $\vdash$  \*  
 595 2 \*  $\Vdash$  \*  
 596 2 \* i.e. \*  
 597 2  $\forall$  \* : \*  
 598 2 \*  $\oplus$  \*  
 599 2 \* ; \*  
 600 2 \* proves \*  
 601 3 \* **proof of** \* : \*

602 4 Line \* : \*  $\gg$  \*; \*  
603 2 Last line \*  $\gg$  \*  $\square$   
604 3 Line \* : Premise  $\gg$  \*; \*  
605 3 Line \* : Side-condition  $\gg$  \*; \*  
606 2 Arbitrary  $\gg$  \*; \*  
607 3 Local  $\gg$  \* = \*; \*  
608 2 \* $\&$ \*  
609 2 \* $\backslash$ \*

*The pyk compiler, version 0.grue.20060417+ by Klaus Grue*  
*GRD-2006-05-04.UTC:15:30:23.702808 = MJD-53859.TAI:15:30:56.702808 =*  
*LGT-4653473456702808e-6*