

(6) ->)read /home/kfp/Desktop/work/fricas+texmacs/test_serializer.input
Fricas]

(6) -> $\int_a^b f(x, y, z) dx$

Compiling function tmMath with type String -> String

"(integrate (f(x, y, z), x = a..b))"

Type: String

16. $\int f(t) dt$

"(integrate (f(t), t))"

Type: String

17. $\sum_{i=1}^N a_i$

"(sum (a[i], i=1..N))"

Type: String

18. $\prod_{i=1}^N b_i$

"(product (b[i], i=1..N))"

Type: String

19. $\frac{a}{b}$

"((a)/(b))"

Type: String

20. $D(f(x), x)$

"D(f(x), x)"

Type: String

22. $df(x)/dx$

"df(x)/dx"

Type: String

24. $g(x) = \frac{1+x}{1-x^2}$

"g(x) = ((1+x)/(1-x^(2)))"

Type: String

27. $g(x) = \frac{1+x}{1-x^2}$

"g(x) = ((1+x)/(1-x^(2)))"

Type: String

28. $\lim_{x \rightarrow 0} f(x)$

"lim (x) (0) f(x)"

Type: String

29. $\frac{x}{y}$

"((x)/(y))"

Type: String
 30. $\frac{a}{b}$

"((a)/(b))"
 Type: String

31. $1 \dots n$

"1..n"
 Type: String

32. $[a, b, c]$

"[a, b, c]"
 Type: String

33. $[1 \dots 10]$

"[1..10]"
 Type: String

34. df

"df"
 Type: String

36. $df(x)/(dx)$

"df(x)/(dx)"
 Type: String

38. $\begin{cases} a: x = 0, \\ b: \text{else.} \end{cases}$

"a: x = 0, b: else. "
 Type: String

39. $|x|$

"(abs(x))"
 Type: String

40. $\|v\|$

"(norm(v))"
 Type: String

41. $|x|, \|x\|, [x], \{y\}, (z)$

"(abs(x)), (norm(x)), [x], {y}, (z)"
 Type: String

42. $a[i], a_k, a_m^n$

"a[i], a[k], a[m]^(n)"
 Type: String

44. $a[i, j]^2$

"a[i, j]^(2)"

Type: String
45. $\text{symbol}(a, [1, 2, 3])$

"symbol($a, [1, 2, 3]$)"
Type: String

46. $[1, 2, 3, x]$

"[1, 2, 3, x]"
Type: String

47. $1 \dots 123$

"1..123"
Type: String

48. $x!()$

" $x!()$ "
Type: String

49. $!x$

"! x "
Type: String

50. $-$

"_ "
Type: String

51. ---

"longminus"
Type: String

52. $\mapsto x$

" $| \rightarrow x$ "
Type: String

53. not true

"not true"
Type: String

54. ≈ 5

"approx5"
Type: String

55. $\sim v$

" $\sim v$ "
Type: String

56. $??$

"??"

Type: String

57. $==$

"=="

Type: String

58. $x = y$

" $x = y$ "

Type: String

59. $\forall x \in \mathbb{Z}$

"forall x in ZZ"

Type: String

60. $\exists x: x > 0$

"exists ? x : $x > 0$ "

Type: String

61. toggleMathInput()

"toggleMathInput()"

Type: String

62. x

" x "

Type: String

63. $\int f(x) dm(x)$

$\sum_{x \in A} F[x]$

"(integrate ($f(x), m(x)$))sum [$F[x]|x$ in A]"

Type: String

64. abc

"abc"

Type: String

65. $L^A T_{EX}$

65. $1 + 2$

" $1 + 2$ "

Type: String

66. T_{EX}^{MACS}

66. $|-|$

"(abs (-))"

Type: String

67. \sqrt{x}

"[sqrt(x)]"

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Type: String
68.  $\sqrt{x}$ 

"sqrt( $x$ )"
Type: String
69.  $\langle \text{error} | \text{compound } x \rangle$ 
69.  $x$ 

" $x$ "
Type: String
70. " $x$ "

" $x$ "
Type: String
71.  $\lim_{x \rightarrow 4} (1/x)$ 

 $\frac{1}{4}$ 
Type: Union(OrderedCompletion(Fraction(Polynomial(Integer))),...)
76.  $\lim_{n \rightarrow \infty} (1/n)$ 

0
Type: Union(OrderedCompletion(Fraction(Polynomial(Integer))),...)
77.

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