

## 1 Test eval of pgfmathparse

### 1.1 Input precision

0

0.

0.0

0.00

0.000

0.0000

0.00000

0.000000

0.1

0.01

0.001

0.0001

0.00001

0.000001

0.0000001

12345678901234567890123456789012345678901234567890123456789012345678901234567890123456

1.2.3.4.5

1.12345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345

## 1.2 simple infix arithmetic

0.0

0.0

0.0

0.0

0.0

0.0

0.0

0.0

1.00001

1.00002

1.00002

1.0

16383.0

### 1.3 unary signs

0

0.0

0.0

10  
-10.0  
10.0  
-10.0  
0.1  
-0.1  
-16383.0

#### **1.4    int**

0  
0  
0  
0  
0  
0  
0  
0  
0

#### **1.5    Unit arithmetic**

3.0  
3.5  
3.05  
3.005  
3.0005  
3.00005  
3.0  
3.0  
5.5  
5.0  
5.0

#### **1.6    Precision multiplication**

20.0  
20.0  
20.0  
  
20.20001  
20.01999  
20.00201

20.00021  
20.00003  
20.0  
20.0  
20.0

## **1.7   Factorials**

1.0  
1.0  
2.0  
6.0  
24.0  
120.0  
720.0  
5040.0

## 1.8 Figure test

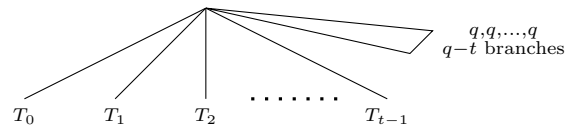


Figure 1: The root of a tree diagram for  $\mathcal{C}$