Rubi 4.16.1.4 Integration Test Results

on the problems in the test-suite directory "2 Exponentials"

Test results for the 98 problems in "2.1 u (F^(c (a+b x)))^n.m"

Test results for the 93 problems in "2.2 (c+d x)^m ($F^(g(e+fx))$)^n (a+b ($F^(g(e+fx))$)^n)^p.m"

Test results for the 774 problems in "2.3 Exponential functions.m"

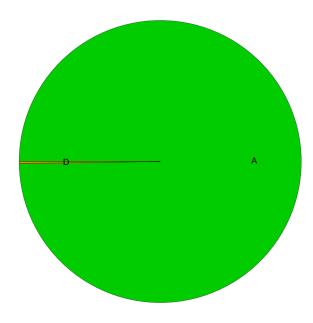
Problem 692: Unable to integrate problem.

Problem 694: Unable to integrate problem.

```
\int x^{-2-\frac{1}{x}} \left(1 - \text{Log}[x]\right) \, \text{d}x Optimal (type 3, 9 leaves, ? steps): -x^{-1/x} Result (type 8, 28 leaves, 2 steps): \text{CannotIntegrate}\left[x^{-2-\frac{1}{x}}, x\right] - \text{CannotIntegrate}\left[x^{-2-\frac{1}{x}} \text{Log}[x], x\right]
```

Summary of Integration Test Results

965 integration problems



- A 963 optimal antiderivatives
- B 0 valid but suboptimal antiderivatives
- C 0 unnecessarily complex antiderivatives
- D 2 unable to integrate problems
- E 0 integration timeouts
- F 0 invalid antiderivatives