

I1 =

```
piecewise(e < 0, int(1/e^(3*x), x, 0, 4), ~e < 0, (e^12 - 1)/(3*e^12*log(e)))
```

I2 =

```
piecewise(1 < abs(e) & ~e < 0, 1/(3*log(e)), abs(e) in Dom::Interval(0, 1) & e in Dom::Interval(0, 1), Inf, (abs(e) == 1 & 0 < e | abs(e) in Dom::Interval(0, 1) & ~e in Dom::Interval(0, 1)) & ~e < 0, 1/(3*log(e)) - limit(1/e^(3*x), x, Inf)/(3*log(e)), (~abs(e) in Dom::Interval(0, 1) | ~e in Dom::Interval(0, 1)) & (abs(e) <= 1 | e < 0) & ((abs(e) ~= 1 | ~0 < e) & (~abs(e) in Dom::Interval(0, 1) | e in Dom::Interval(0, 1)) | e < 0), int(1/e^(3*x), x, 0, Inf))
```

I3 =

```
piecewise(1 < abs(e) & ~e < 0 & ~1 < e, limit(1/e^(3*x), x, -Inf)/(3*log(e)), abs(e) in Dom::Interval(0, 1) & ~e < 0 & ~e in Dom::Interval(0, 1), -limit(1/e^(3*x), x, Inf)/(3*log(e)), ~e < 0 & (1 < abs(e) & 1 < e | abs(e) in Dom::Interval(0, 1) & e in Dom::Interval(0, 1)), Inf, (abs(e) == 1 & 0 <= e | 1 < abs(e) & ~1 < e) & (abs(e) == 1 & 0 < e | abs(e) in Dom::Interval(0, 1) & ~e in Dom::Interval(0, 1)) & ~e < 0, limit(1/e^(3*x), x, -Inf)/(3*log(e)) - limit(1/e^(3*x), x, Inf)/(3*log(e)), e < 0 | (~abs(e) in Dom::Interval(0, 1) | ~e in Dom::Interval(0, 1)) & (abs(e) <= 1 | 1 < e) & ((abs(e) <= 1 | 1 < e) & (abs(e) ~= 1 | ~0 <= e) | (abs(e) ~= 1 | ~0 < e) & (~abs(e) in Dom::Interval(0, 1) | e in Dom::Interval(0, 1))) & (abs(e) <= 1 | ~1 < e) & (~abs(e) in Dom::Interval(0, 1) | e in Dom::Interval(0, 1)), int(1/e^(3*x), x, -Inf, Inf))
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