

Single Letter Representations of Natural Numbers, Palindromic Symmetries and Number Patterns

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ABSTRACT. This is first work of its kind. It brings representations of natural numbers from 0 to 3000 in terms of *single letter a*. For any value of letter *a* from 1 to 9, the result is always same. Four basic operations, i.e., *addition, subtraction, multiplication and division* are used to bring these representations. A separate section is dedicated to numbers with potentiation. *Palindromic symmetries and number patterns* in terms of letter *a* are also studied.

1. INTRODUCTION

Let us consider

$$f^n(10) = 10^n + 10^{n-1} + \dots + 10^2 + 10 + 10^0,$$

For $a \in \{1, 2, 3, 4, 5, 6, 7, 8, 9\}$, we can write

$$af^n(10) = \underbrace{aaa\dots a}_{(n+1)\text{-times}},$$

In particular,

$$\begin{aligned} aa = f^1(10) &= a10 + a & \implies 11 &:= \frac{aa}{a}. \\ aaa = f^2(10) &= a10^2 + a10 + a & \implies 111 &:= \frac{aaa}{a}. \\ aaaa = f^3(10) &= a10^3 + a10^2 + a10 + a & \implies 1111 &:= \frac{aaaa}{a}. \\ aaaaa = f^4(10) &= a10^4 + a10^3 + a10^2 + a10 + a & \implies 11111 &:= \frac{aaaaa}{a}. \\ & \dots & & \end{aligned}$$

Here are some examples:

$$\begin{aligned} 5 &= \frac{aa - a}{a + a} = \frac{11 - 1}{1 + 1} = \frac{22 - 2}{2 + 2} = \frac{33 - 3}{3 + 3} = \frac{44 - 4}{4 + 4} = \frac{55 - 5}{5 + 5} = \frac{66 - 6}{6 + 6} = \frac{77 - 7}{7 + 7} = \frac{88 - 8}{8 + 8} = \frac{99 - 9}{9 + 9}; \\ 56 &= \frac{aaa + a}{a + a} = \frac{111 + 1}{1 + 1} = \frac{222 + 2}{2 + 2} = \frac{333 + 3}{3 + 3} = \frac{444 + 4}{4 + 4} = \frac{555 + 5}{5 + 5} = \frac{666 + 6}{6 + 6} = \frac{777 + 7}{7 + 7} = \frac{888 + 8}{8 + 8} = \frac{999 + 9}{9 + 9}; \\ 111 &= \frac{aaa}{a} = \frac{111}{1} = \frac{222}{2} = \frac{333}{3} = \frac{444}{4} = \frac{555}{5} = \frac{666}{6} = \frac{777}{7} = \frac{888}{8} = \frac{999}{9}. \\ & \dots \end{aligned}$$

Detailed study on *single digit* representations can be seen in Taneja [11]. In case of *single digit* representations, the number of digits required are not same, for example 923 can be written as:

$$\begin{aligned} 923 &= (1 + 1)^{(11-1)} + 11 - 111 - 1 & = 2 \times (22^2 - 22) - 2/2 & = 33 + 33 \times 3^3 - 3/3 \\ &= 44 + 44 \times (4 \times 4 + 4) - 4/4 & = 5 \times (55 + 5) + (5^5 - 5 - 5)/5 & = (6 + 6 + 6/6) \times (66 + 6 - 6/6) \\ &= 77 \times (77 + 7)/7 - 7/7 & = 888 + 8 + 8 + 8 + 88/8 & = 9 \times 99 + 9 + (99 + 99 + 9)/9. \end{aligned}$$

The representation of same number 923 using the *single letter a* is given by

$$923 := (aaaaa - aa - aa - aa - a - a)/(aa + a).$$

We have used maximum 11 digits in case of 1 and minimum 8 digits in case of 2, 3 and 7. For *single letter* representation, the letter *a* is used 14 times. Here our aim is to represent the natural numbers using a *single letter "a"*. The advantage in working with *single letter* is that we have uniform representation for $a \in \{1, 2, 3, 4, 5, 6, 7, 8, 9\}$.

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2. PALINDROMIC SYMMETRIES AND NUMBERS PATTERNS

Before we proceed further to represent natural numbers in terms of letter a , we shall give some interesting examples of *palindromic symmetries* and *number patterns* in terms of a .

$$\begin{aligned}
 11 &:= (a \times aa)/(a \times a). & 11 &:= (a \times aa)/(a \times a). \\
 121 &:= (aa \times aa)/(a \times a). & 1221 &:= (aa \times aaa)/(a \times a). \\
 12321 &:= (aaa \times aaa)/(a \times a). & 123321 &:= (aaa \times aaaa)/(a \times a). \\
 1234321 &:= (aaaa \times aaaa)/(a \times a). & 12344321 &:= (aaaa \times aaaaa)/(a \times a). \\
 123454321 &:= (aaaaa \times aaaaa)/(a \times a). & 1234554321 &:= (aaaaa \times aaaaaa)/(a \times a). \\
 12345654321 &:= (aaaaaa \times aaaaaa)/(a \times a). & 123456654321 &:= (aaaaaa \times aaaaaaa)/(a \times a). \\
 1234567654321 &:= (aaaaaaa \times aaaaaaa)/(a \times a). & 12345677654321 &:= (aaaaaaa \times aaaaaaaa)/(a \times a). \\
 123456787654321 &:= (aaaaaaaa \times aaaaaaaa)/(a \times a). & 1234567887654321 &:= (aaaaaaaa \times aaaaaaaaa)/(a \times a). \\
 12345678987654321 &:= (aaaaaaaaa \times aaaaaaaaa)/(a \times a). & 123456789987654321 &:= (aaaaaaaaa \times aaaaaaaaaa)/(a \times a).
 \end{aligned}$$

$$\begin{aligned}
 272 &:= (aaaa - aa - aa - a)/(a + a + a + a). & 242 &:= (aa + aa) \times aa/(a \times a). \\
 2772 &:= (aaaaa - aa - aa - a)/(a + a + a + a). & 2442 &:= (aa + aa) \times aaa/(a \times a). \\
 27772 &:= (aaaaaa - aa - aa - a)/(a + a + a + a). & 24442 &:= (aa + aa) \times aaaa/(a \times a). \\
 277772 &:= (aaaaaaa - aa - aa - a)/(a + a + a + a). & 244442 &:= (aa + aa) \times aaaaa/(a \times a). \\
 2777772 &:= (aaaaaaaa - aa - aa - a)/(a + a + a + a). & 2444442 &:= (aa + aa) \times aaaaaa/(a \times a). \\
 27777772 &:= (aaaaaaaaa - aa - aa - a)/(a + a + a + a). & 24444442 &:= (aa + aa) \times aaaaaaa/(a \times a). \\
 277777772 &:= (aaaaaaaaaa - aa - aa - a)/(a + a + a + a). & 244444442 &:= (aa + aa) \times aaaaaaaa/(a \times a). \\
 2777777772 &:= (aaaaaaaaaaa - aa - aa - a)/(a + a + a + a). & 2444444442 &:= (aa + aa) \times aaaaaaaaa/(a \times a). \\
 27777777772 &:= (aaaaaaaaaaaa - aa - aa - a)/(a + a + a + a). & 24444444442 &:= (aa + aa) \times aaaaaaaaaa/(a \times a).
 \end{aligned}$$

$$\begin{aligned}
 121 &:= (aa \times aa)/(a \times a). & 1331 &:= aa \times aa \times aa/(a \times a \times a). \\
 1221 &:= (aa \times aaa)/(a \times a). & 13431 &:= aa \times aa \times aaa/(a \times a \times a). \\
 12221 &:= (aa \times aaaa)/(a \times a). & 134431 &:= aa \times aa \times aaaa/(a \times a \times a). \\
 122221 &:= (aa \times aaaaa)/(a \times a). & 1344431 &:= aa \times aa \times aaaaa/(a \times a \times a). \\
 1222221 &:= (aa \times aaaaaa)/(a \times a). & 13444431 &:= aa \times aa \times aaaaaa/(a \times a \times a). \\
 12222221 &:= (aa \times aaaaaaa)/(a \times a). & 134444431 &:= aa \times aa \times aaaaaaa/(a \times a \times a). \\
 122222221 &:= (aa \times aaaaaaaa)/(a \times a). & 1344444431 &:= aa \times aa \times aaaaaaaa/(a \times a \times a). \\
 1222222221 &:= (aa \times aaaaaaaaa)/(a \times a). & 13444444431 &:= aa \times aa \times aaaaaaaaa/(a \times a \times a). \\
 12222222221 &:= (aa \times aaaaaaaaaa)/(a \times a). & 134444444431 &:= aa \times aa \times aaaaaaaaaa/(a \times a \times a).
 \end{aligned}$$

$$\begin{aligned}
 99 &:= (aaa - aa - a)/a. & 101 &:= (aaa - aa + a)/a. \\
 999 &:= (aaaa - aaa - a)/a. & 1001 &:= (aaaa - aaa + a)/a. \\
 9999 &:= (aaaaa - aaaa - a)/a. & 10001 &:= (aaaaa - aaaa + a)/a. \\
 99999 &:= (aaaaaa - aaaaa - a)/a. & 100001 &:= (aaaaaa - aaaaa + a)/a. \\
 999999 &:= (aaaaaaa - aaaaaa - a)/a. & 1000001 &:= (aaaaaaa - aaaaaa + a)/a. \\
 9999999 &:= (aaaaaaaa - aaaaaaa - a)/a. & 10000001 &:= (aaaaaaaa - aaaaaaaa + a)/a. \\
 99999999 &:= (aaaaaaaaa - aaaaaaaa - a)/a. & 100000001 &:= (aaaaaaaaa - aaaaaaaa + a)/a. \\
 999999999 &:= (aaaaaaaaaa - aaaaaaaaa - a)/a. & 1000000001 &:= (aaaaaaaaaa - aaaaaaaaa + a)/a. \\
 9999999999 &:= (aaaaaaaaaaa - aaaaaaaaaa - a)/a. & 10000000001 &:= (aaaaaaaaaaa - aaaaaaaaaa + a)/a. \\
 99999999999 &:= (aaaaaaaaaaaa - aaaaaaaaaaa - a)/a. & 100000000001 &:= (aaaaaaaaaaaa - aaaaaaaaaaa + a)/a.
 \end{aligned}$$

Here below are examples of *number patterns*.

$$16 := 4^2 = ((a + a + a + a)/a)^{(a+a)/a}.$$

$$1156 := 34^2 = ((aa + aa + aa + a)/a)^{(a+a)/a}.$$

$$111556 := 334^2 = ((aaa + aaa + aaa + a)/a)^{(a+a)/a}.$$

$$11115556 := 3334^2 = ((aaaa + aaaa + aaaa + a)/a)^{(a+a)/a}.$$

$$1111155556 := 33334^2 = ((aaaaa + aaaaa + aaaaa + a)/a)^{(a+a)/a}.$$

$$111111555556 := 333334^2 = ((aaaaaa + aaaaaa + aaaaaa + a)/a)^{(a+a)/a}.$$

$$11111115555556 := 3333334^2 = ((aaaaaaa + aaaaaaa + aaaaaaa + a)/a)^{(a+a)/a}.$$

$$1111111155555556 := 33333334^2 = ((aaaaaaaa + aaaaaaaa + aaaaaaaa + a)/a)^{(a+a)/a}.$$

$$49 := 7^2 = ((aa + a + a + a)/(a + a))^{(a+a)/a}.$$

$$4489 := 67^2 = ((aaa + aa + aa + a)/(a + a))^{(a+a)/a}.$$

$$444889 := 667^2 = ((aaaa + aaa + aaa + a)/(a + a))^{(a+a)/a}.$$

$$44448889 := 6667^2 = ((aaaaa + aaaa + aaaa + a)/(a + a))^{(a+a)/a}.$$

$$4444488889 := 66667^2 = ((aaaaaa + aaaaa + aaaaa + a)/(a + a))^{(a+a)/a}.$$

$$444444888889 := 666667^2 = ((aaaaaaa + aaaaaa + aaaaaa + a)/(a + a))^{(a+a)/a}.$$

$$44444448888889 := 6666667^2 = ((aaaaaaaa + aaaaaaa + aaaaaaa + a)/(a + a))^{(a+a)/a}.$$

$$4444444488888889 := 66666667^2 = ((aaaaaaaaa + aaaaaaaa + aaaaaaaa + a)/(a + a))^{(a+a)/a}.$$

$$9 := 9^2 = ((aa - a - a)/a)^{(a+a)/a}.$$

$$9801 := 99^2 = ((aaa - aa - a)/a)^{(a+a)/a}.$$

$$998001 := 999^2 = ((aaaa - aaa - a)/a)^{(a+a)/a}.$$

$$99980001 := 9999^2 = ((aaaaa - aaaa - a)/a)^{(a+a)/a}.$$

$$9999800001 := 99999^2 = ((aaaaaa - aaaaa - a)/a)^{(a+a)/a}.$$

$$999998000001 := 999999^2 = ((aaaaaaa - aaaaaa - a)/a)^{(a+a)/a}.$$

$$99999980000001 := 9999999^2 = ((aaaaaaaa - aaaaaaa - a)/a)^{(a+a)/a}.$$

$$9999999800000001 := 99999999^2 = ((aaaaaaaaa - aaaaaaaa - a)/a)^{(a+a)/a}.$$

$$63 := 1 \times 9 \times 7 = a \times (aa - a - a) \times (aa - a - a - a - a)/(a \times a \times a).$$

$$7623 := 11 \times 9 \times 77 = aa \times (aaa - aa - a) \times (aa - a - a - a - a)/(a \times a \times a).$$

$$776223 := 111 \times 9 \times 777 = aaa \times (aaaa - aaa - a) \times (aa - a - a - a - a)/(a \times a \times a).$$

$$77762223 := 1111 \times 9 \times 7777 = aaaa \times (aaaaa - aaaa - a) \times (aa - a - a - a - a)/(a \times a \times a).$$

$$7777622223 := 11111 \times 9 \times 77777 = aaaaa \times (aaaaaa - aaaaa - a) \times (aa - a - a - a - a)/(a \times a \times a).$$

$$777776222223 := 111111 \times 9 \times 777777 = aaaaaa \times (aaaaaaa - aaaaaa - a) \times (aa - a - a - a - a)/(a \times a \times a).$$

$$77777762222223 := 1111111 \times 9 \times 7777777 = aaaaaaa \times (aaaaaaaa - aaaaaaa - a) \times (aa - a - a - a - a)/(a \times a \times a).$$

$$7777777622222223 := 11111111 \times 9 \times 77777777 = aaaaaaaaa \times (aaaaaaaaa - aaaaaaaaa - a) \times (aa - a - a - a - a)/(a \times a \times a).$$

$$9 := 1 \times 9 = a \times (aa - a - a)/(a \times a).$$

$$1089 := 11 \times 99 = aa \times (aaa - aa - a)/(a \times a).$$

$$110889 := 111 \times 999 = aaa \times (aaaa - aaa - a)/(a \times a).$$

$$11108889 := 1111 \times 9999 = aaaa \times (aaaaa - aaaa - a)/(a \times a).$$

$$1111088889 := 11111 \times 99999 = aaaaa \times (aaaaaa - aaaaa - a)/(a \times a).$$

$$111110888889 := 111111 \times 999999 = aaaaaa \times (aaaaaaa - aaaaaa - a)/(a \times a).$$

$$11111108888889 := 1111111 \times 9999999 = aaaaaaa \times (aaaaaaaa - aaaaaaa - a)/(a \times a).$$

$$1111111088888889 := 11111111 \times 99999999 = aaaaaaaaa \times (aaaaaaaaa - aaaaaaaaa - a)/(a \times a).$$

The following two examples have the property that one number is reverse of another, i.e., 1089 is reverse of 9801, 10989 is reverse of 98901, etc.

$$\begin{aligned}
 1089 &:= 11 \times 99 = aa \times (aaa - aa - a)/(a \times a). \\
 10989 &:= 11 \times 999 = aa \times (aaaa - aaa - a)/(a \times a). \\
 109989 &:= 11 \times 9999 = aa \times (aaaaa - aaaa - a)/(a \times a). \\
 1099989 &:= 11 \times 99999 = aa \times (aaaaaa - aaaaa - a)/(a \times a). \\
 10999989 &:= 11 \times 999999 = aa \times (aaaaaaa - aaaaaa - a)/(a \times a). \\
 109999989 &:= 11 \times 9999999 = aa \times (aaaaaaaa - aaaaaaaa - a)/(a \times a). \\
 1099999989 &:= 11 \times 99999999 = aa \times (aaaaaaaaa - aaaaaaaaa - a)/(a \times a).
 \end{aligned}$$

$$\begin{aligned}
 9801 &:= 11 \times 99 \times 9 = aa \times (aaa - aa - a) \times (aa - a - a)/(a \times a \times a). \\
 98901 &:= 11 \times 999 \times 9 = aa \times (aaaa - aaa - a) \times (aa - a - a)/(a \times a \times a). \\
 989901 &:= 11 \times 9999 \times 9 = aa \times (aaaaa - aaaa - a) \times (aa - a - a)/(a \times a \times a). \\
 9899901 &:= 11 \times 99999 \times 9 = aa \times (aaaaaa - aaaaa - a) \times (aa - a - a)/(a \times a \times a). \\
 98999901 &:= 11 \times 999999 \times 9 = aa \times (aaaaaaa - aaaaaa - a) \times (aa - a - a)/(a \times a \times a). \\
 989999901 &:= 11 \times 9999999 \times 9 = aa \times (aaaaaaaa - aaaaaaaa - a) \times (aa - a - a)/(a \times a \times a). \\
 9899999901 &:= 11 \times 99999999 \times 9 = aa \times (aaaaaaaaa - aaaaaaaaa - a) \times (aa - a - a)/(a \times a \times a).
 \end{aligned}$$

The following two examples are the same, but they have written in two different patterns, one is $77 = 8 \times 8 + 13$ and another is $77 = 6 \times 13 - 1$. In both the situation, we have *palindromic numbers*, i.e., 77, 717, 7117, etc. The second example uses less number of letters a .

$$\begin{aligned}
 77 &:= 8 \times 8 + 13 = (aa - a - a - a) \times (aa - a - a - a)/(a \times a) + (aa + a + a)/a. \\
 717 &:= 88 \times 8 + 13 = (aaa - aa - aa - a) \times (aa - a - a - a)/(a \times a) + (aa + a + a)/a. \\
 7117 &:= 888 \times 8 + 13 = (aaaa - aaa - aaa - a) \times (aa - a - a - a)/(a \times a) + (aa + a + a)/a. \\
 71117 &:= 8888 \times 8 + 13 = (aaaaa - aaaa - aaaa - a) \times (aa - a - a - a)/(a \times a) + (aa + a + a)/a. \\
 711117 &:= 88888 \times 8 + 13 = (aaaaaa - aaaaa - aaaaa - a) \times (aa - a - a - a)/(a \times a) + (aa + a + a)/a. \\
 7111117 &:= 888888 \times 8 + 13 = (aaaaaaa - aaaaaa - aaaaaa - a) \times (aa - a - a - a)/(a \times a) + (aa + a + a)/a. \\
 71111117 &:= 8888888 \times 8 + 13 = (aaaaaaaa - aaaaaaaa - aaaaaaaa - a) \times (aa - a - a - a)/(a \times a) + (aa + a + a)/a.
 \end{aligned}$$

$$\begin{aligned}
 77 &:= 6 \times 13 - 1 = (aa + a)/(a + a) \times (aa + a + a)/a - a/a. \\
 717 &:= 56 \times 13 - 11 = (aaa + a)/(a + a) \times (aa + a + a)/a - aa/a. \\
 7117 &:= 556 \times 13 - 111 = (aaaa + a)/(a + a) \times (aa + a + a)/a - aaa/a. \\
 71117 &:= 5556 \times 13 - 1111 = (aaaaa + a)/(a + a) \times (aa + a + a)/a - aaaa/a. \\
 711117 &:= 55556 \times 13 - 11111 = (aaaaaa + a)/(a + a) \times (aa + a + a)/a - aaaaa/a. \\
 7111117 &:= 555556 \times 13 - 111111 = (aaaaaaa + a)/(a + a) \times (aa + a + a)/a - aaaaaa/a. \\
 71111117 &:= 5555556 \times 13 - 1111111 = (aaaaaaaa + a)/(a + a) \times (aa + a + a)/a - aaaaaaa/a.
 \end{aligned}$$

The example below have the property that the first number is the reverse of second multiplied by 4. For example, 8712 is reverse of 2178. All other numbers also have the same property forming a nice pattern. It is written as $8712 = 2178 \times 4 = 1089 \times 2 \times 4$.

$$8712 := 2178 \times 4 = (aaaa - aa - aa) \times (a + a) \times (a + a + a + a)/(a \times a \times a).$$

$$87912 := 21978 \times 4 = (aaaaa - aaa - aa) \times (a + a) \times (a + a + a + a)/(a \times a \times a).$$

$$879912 := 219978 \times 4 = (aaaaaa - aaaa - aa) \times (a + a) \times (a + a + a + a)/(a \times a \times a).$$

$$8799912 := 2199978 \times 4 = (aaaaaaa - aaaaa - aa) \times (a + a) \times (a + a + a + a)/(a \times a \times a).$$

$$87999912 := 21999978 \times 4 = (aaaaaaaa - aaaaaa - aa) \times (a + a) \times (a + a + a + a)/(a \times a \times a).$$

$$879999912 := 219999978 \times 4 = (aaaaaaaaa - aaaaaaa - aa) \times (a + a) \times (a + a + a + a)/(a \times a \times a).$$

$$8799999912 := 2199999978 \times 4 = (aaaaaaaaaa - aaaaaaaaa - aa) \times (a + a) \times (a + a + a + a)/(a \times a \times a).$$

$$87999999912 := 21999999978 \times 4 = (aaaaaaaaaaa - aaaaaaaaaa - aa) \times (a + a) \times (a + a + a + a)/(a \times a \times a).$$

3. SINGLE LETTER REPRESENTATIONS

Here below are representations of natural numbers from 0 to 3000 using *single letter a*, where $a \in \{1, 2, 3, 4, 5, 6, 7, 8, 9\}$. Four basic operations are used, i.e., *addition, subtraction, multiplication and division*. Numbers having potentiation are dealt in next section. By no means, we can say that the representations given below are unique. There may have alternative representations.

0 := $a - a$.	43 := $((a + a + a + a) \times aa/a - a)/a$.
1 := a/a .	44 := $(a + a + a + a) \times aa/(a \times a)$.
2 := $(a + a)/a$.	45 := $((a + a + a + a) \times aa/a + a)/a$.
3 := $(a + a + a)/a$.	46 := $(aa + aa + a) \times (a + a)/(a \times a)$.
4 := $(a + a + a + a)/a$.	47 := $((aa + aa + a) \times (a + a)/a + a)/a$.
5 := $(aa - a)/(a + a)$.	48 := $(a + a + a + a) \times (aa + a)/(a \times a)$.
6 := $(aa + a)/(a + a)$.	49 := $(aaa - aa - a - a)/(a + a)$.
7 := $(aa - a - a - a - a)/a$.	50 := $(aaa - aa)/(a + a)$.
8 := $(aa - a - a - a)/a$.	51 := $(aaa - aa + a + a)/(a + a)$.
9 := $(aa - a - a)/a$.	52 := $(aaa - aa)/(a + a) + (a + a)/a$.
10 := $(aa - a)/a$.	53 := $(aaa - a)/(a + a) - (a + a)/a$.
11 := aa/a .	54 := $(aaa - a - a - a)/(a + a)$.
12 := $(aa + a)/a$.	55 := $(aaa - a)/(a + a)$.
13 := $(aa + a + a)/a$.	56 := $(aaa + a)/(a + a)$.
14 := $(aa + a + a + a)/a$.	57 := $(aaa + a + a + a)/(a + a)$.
15 := $(aa + a + a + a + a)/a$.	58 := $(aaa + a)/(a + a) + (a + a)/a$.
16 := $(aa + a + a + a + a + a)/a$.	59 := $((aa \times aa - a \times a)/(a + a) - a)/a$.
17 := $(aa + a)/(a + a) + aa/a$.	60 := $(aa \times aa/a - a)/(a + a)$.
18 := $(aa - a - a) \times (a + a)/(a \times a)$.	61 := $(aaa + aa)/(a + a)$.
19 := $(aa + aa - a - a - a)/a$.	62 := $(aaa + aa + a + a)/(a + a)$.
20 := $(aa + aa - a - a)/a$.	63 := $(aa + aa - a) \times (a + a + a)/(a \times a)$.
21 := $(aa + aa - a)/a$.	64 := $((aa + a) \times aa/(a + a) - a - a)/a$.
22 := $(aa + aa)/a$.	65 := $((aa + a) \times aa/(a + a) - a)/a$.
23 := $(aa + aa + a)/a$.	66 := $(aa + a) \times aa/((a + a) \times a)$.
24 := $(aa + aa + a + a)/a$.	67 := $(aaa + aa + aa + a)/(a + a)$.
25 := $(aa + aa + a + a + a)/a$.	68 := $((aa + a) \times aa/(a + a) + a + a)/a$.
26 := $(aa + a + a) \times (a + a)/(a \times a)$.	69 := $(aa + aa + a) \times (a + a + a)/(a \times a)$.
27 := $((aa + a + a) \times (a + a)/a + a)/a$.	70 := $((aa + a) \times (aa + a)/(a + a) - a - a)/a$.
28 := $(aaa + a)/(a + a + a + a)$.	71 := $((aa + a) \times (aa + a)/(a + a) - a)/a$.
29 := $((aa - a) \times (a + a + a)/a - a)/a$.	72 := $(aa + a) \times (aa + a)/((a + a) \times a)$.
30 := $(aa - a) \times (a + a + a)/(a \times a)$.	73 := $(aaa/(a + a + a) \times (a + a) - a)/a$.
31 := $(aa + aa + aa - a - a)/a$.	74 := $aaa/(a + a + a) \times (a + a)/a$.
32 := $(aa + aa + aa - a)/a$.	75 := $(aaa/(a + a + a) \times (a + a) + a)/a$.
33 := $(aa + aa + aa)/a$.	76 := $((aa - a - a - a - a) \times aa/a - a)/a$.
34 := $(aa + aa + aa + a)/a$.	77 := $(aa - a - a - a - a) \times aa/(a \times a)$.
35 := $(aa + aa + aa + a + a)/a$.	78 := $(aaa - aa - aa - aa)/a$.
36 := $(aa + a) \times (a + a + a)/(a \times a)$.	79 := $(aaa - aa - aa - aa + a)/a$.
37 := $aaa/(a + a + a)$.	80 := $(aa - a - a - a) \times (aa - a)/(a \times a)$.
38 := $aaa/(a + a + a) + a/a$.	81 := $(aa - a - a) \times (aa - a - a)/(a \times a)$.
39 := $(aa + a + a) \times (a + a + a)/(a \times a)$.	82 := $((aa - a - a) \times (aa - a - a)/a + a)/a$.
40 := $(a + a + a + a) \times (aa - a)/(a \times a)$.	83 := $((aa + a) \times (aa + a)/(a + a) + aa)/a$.
41 := $(aaa + aa + a)/(a + a + a)$.	84 := $(a + a + a + a) \times (aa + aa - a)/(a \times a)$.
42 := $(aa + aa - a) \times (a + a)/(a \times a)$.	85 := $(aaa/(a + a + a) \times (a + a) + aa)/a$.

- 87 := $(aaa - aa - aa - a - a - a)/a$.
 87 := $(aaa - aa - aa - a - a)/a$.
 88 := $(aaa - aa - aa - a)/a$.
 89 := $(aaa - aa - aa)/a$.
 90 := $(aaa - aa - aa + a)/a$.
 91 := $(aaa - aa - aa + a + a)/a$.
 92 := $(aaa - aa - aa + a + a + a)/a$.
 93 := $((a - aa + a) \times (a + a)/a + aaa)/a$.
 94 := $(aaaa + aaa)/(aa + a + a)$.
 95 := $(aaa - aa - a - a - a - a - a)/a$.
 96 := $(aaa - aa - a - a - a - a)/a$.
 97 := $(aaa - aa - a - a - a)/a$.
 98 := $(aaa - aa - a - a)/a$.
 99 := $(aaa - aa - a)/a$.
 100 := $(aaa - aa)/a$.
 101 := $aaaa/aa$.
 102 := $(aaaa + aa)/aa$.
 103 := $(aaaa + aa + aa)/aa$.
 104 := $(aaa - aa + a + a + a + a)/a$.
 105 := $aaa/a - (aa + a)/(a + a)$.
 106 := $aaaa/aa + (aa - a)/(a + a)$.
 107 := $(aaa - a - a - a - a)/a$.
 108 := $(aaa - a - a - a)/a$.
 109 := $(aaa - a - a)/a$.
 110 := $(aaa - a)/a$.
 111 := aaa/a .
 112 := $(aaa + a)/a$.
 113 := $(aaa + a + a)/a$.
 114 := $(aaa + a + a + a)/a$.
 115 := $(aaa + a + a + a + a)/a$.
 116 := $(aaa + a + a + a + a + a)/a$.
 117 := $(aa + a)/(a + a) + aaa/a$.
 118 := $((aa \times aa)/a - a - a - a)/a$.
 119 := $((aa \times aa)/a - a - a)/a$.
 120 := $((aa \times aa)/a - a)/a$.
 121 := $aa \times aa/(a \times a)$.
 122 := $(aaa + aa)/a$.
 123 := $(aaa + aa + a)/a$.
 124 := $(aaa + aa + a + a)/a$.
 125 := $(aaa + aa + a + a + a)/a$.
 126 := $(aaa + aa + a + a + a + a)/a$.
 127 := $(aaa + aa)/a + (aa - a)/(a + a)$.
 128 := $(aaa + aa)/a + (aa + a)/(a + a)$.
 129 := $((aa + a) \times aa/a - a - a - a)/a$.
 130 := $((aa + a) \times aa/a - a - a)/a$.
 131 := $((aa + a) \times aa/a - a)/a$.
 132 := $(aa + a) \times aa/(a \times a)$.
 133 := $(aaa + aa + aa)/a$.
 134 := $(aaa + aa + aa + a)/a$.
 135 := $(aaa + aa + aa + a + a)/a$.
 136 := $(aaa + aa + aa + a + a + a)/a$.
 137 := $(aaaa + aaa + aa)/(aa - a - a - a)$.
 138 := $aaa/(a + a + a) + aaa/aa$.
 139 := $(aaaa + a)/(aa - a - a - a)$.
 140 := $(aa + a + a + a) \times (aa - a)/(a \times a)$.
 141 := $((aa + a + a) \times aa/a - a - a)/a$.
 142 := $((aa + a + a) \times aa/a - a)/a$.
 143 := $(aa + a + a) \times aa/(a \times a)$.
 144 := $(aa + a) \times (aa + a)/(a \times a)$.
 145 := $(aaa + aa + aa + aa + a)/a$.
 146 := $(aaa + aa + aa + aa + a + a)/a$.
 147 := $(aaa + aa + aa + aa + a + a + a)/a$.
 148 := $aaa/(a + a + a) + aaa/a$.
 149 := $aaa/(a + a + a) + (aaa + a)/a$.
 150 := $(aaa - aa) \times (a + a + a)/(a \times (a + a))$.
 151 := $(aaaa \times (a + a + a)/aa - a)/(a + a)$.
 152 := $(aaaa \times (a + a + a)/aa + a)/(a + a)$.
 153 := $((aa + a + a + a) \times aa/a - a)/a$.
 154 := $((aa + a) + a + a) \times aa/(a \times a)$.
 155 := $(aaa + aa + aa + aa + aa)/a$.
 156 := $(aa + a + a) \times (aa + a)/(a \times a)$.
 157 := $((aa + a + a) \times (aa + a)/a + a)/a$.
 158 := $((aa + a + a) \times (aa + a)/a + a + a)/a$.
 159 := $((aa + a + a) \times (aa + a)/a + a + a + a)/a$.
 160 := $(aaa + aaa + aaa - aa - a - a)/(a + a)$.
 161 := $(aaa \times (a + a + a)/a - aa)/(a + a)$.
 162 := $(aaa + aa)/(a + a) + aaaa/aa$.
 163 := $((aa + a + a + a + a) \times aa/a - a - a)/a$.
 164 := $((aa + a + a + a + a) \times aa/a - a)/a$.
 165 := $(aa + a + a + a + a) \times aa/(a \times a)$.
 166 := $(aaa + aaa + aaa - a)/(a + a)$.
 167 := $(aaa + aaa + aaa + a)/(a + a)$.
 168 := $(aa + a + a + a) \times (aa + a)/(a \times a)$.
 169 := $(aa + a + a) \times (aa + a)/(a \times a)$.
 170 := $(aaaa + aaaa - aa - a)/(aa + a + a)$.
 171 := $(aaaa + aaaa + a)/(aa + a + a)$.
 172 := $(aaa \times (a + a + a)/a + aa)/(a + a)$.
 173 := $(aaa + aaa + aaa + aa + a + a)/(a + a)$.
 174 := $(aaa - aa - aa - a - a) \times (a + a)/(a \times a)$.
 175 := $(aa + aa - a) \times (aaa - aa)/(aa + a) \times a$.
 176 := $(aaa - aa - aa - a) \times (a + a)/(a \times a)$.
 177 := $((aa + a) \times aa/(a + a) + aaa)/a$.
 178 := $(aaa - aa - aa) \times (a + a)/(a \times a)$.
 179 := $((aaa - aa - aa) \times (aa + aa)/aa + a)/a$.
 180 := $(aaaa/aa \times (a + a) - aa - aa)/a$.
 181 := $(aaaa/aa \times (a + a) - aa - aa + a)/a$.
 182 := $(aa + a + a + a) \times (aa + a + a)/(a \times a)$.
 183 := $(aaa + aa) \times (a + a + a)/(a + a)/a$.
 184 := $((aaaa - a) \times (a + a)/(aa + a) - a)/a$.
 185 := $(aaaa - a) \times (a + a)/(aa + a)/a$.
 186 := $((aaaa + aa) \times (a + a)/(aa + a) - a)/a$.
 187 := $(aaaa + aa) \times (a + a)/(aa + a)/a$.
 188 := $((aaaa + aa) \times (a + a)/(aa + a) + a)/a$.
 189 := $(aaa + aaa - aa - aa - aa)/a$.
 190 := $(aaaa/aa \times (a + a) - aa - a)/a$.
 191 := $(aaaa/aa \times (a + a) - aa)/a$.
 192 := $(aaaa/aa \times (a + a) - aa + a)/a$.
 193 := $((aaaa + aa)/aa \times (a + a) - aa)/a$.
 194 := $(aaa - aa - a - a - a) \times (a + a)/(a \times a)$.
 195 := $((aaa - aa - a - a) \times (a + a)/a - a)/a$.
 196 := $(aaa - aa - a - a) \times (a + a)/(a \times a)$.
 197 := $((aaa - aa - a) \times (a + a)/a - a)/a$.
 198 := $(aaa - aa - a) \times (a + a)/(a \times a)$.
 199 := $(aaa + aaa - aa - aa - a)/a$.
 200 := $(aaa - aa) \times (a + a)/(a \times a)$.
 201 := $(aaaa/aa \times (a + a) - a)/a$.
 202 := $aaaa/aa \times (a + a)/a$.
 203 := $(aaaa/aa \times (a + a) + a)/a$.
 204 := $(aaaa + aa)/aa \times (a + a)/a$.
 205 := $((aaaa + aa)/aa \times (a + a) + a)/a$.
 206 := $(aaaa + aa + aa) \times (a + a)/(aa \times a)$.
 207 := $(aaa + aaa - aa - a - a - a - a)/a$.
 208 := $(aaa + aaa - aa - a - a - a)/a$.
 209 := $(aaa + aaa - aa - a - a)/a$.
 210 := $(aaa + aaa - aa - a)/a$.
 211 := $(aaa + aaa - aa)/a$.
 212 := $(aaa \times (a + a)/a - aa + a)/a$.
 213 := $((aaa + a) \times (a + a)/a - aa)/a$.

- 214 := $(aaa - a - a - a - a) \times (a + a)/(a \times a)$.
 215 := $((aaa - a - a - a) \times (a + a)/a - a)/a$.
 216 := $(aaa - a - a - a) \times (a + a)/(a \times a)$.
 217 := $((aaa - a - a) \times (a + a)/a - a)/a$.
 218 := $(aaa - a - a) \times (a + a)/(a \times a)$.
 219 := $(aaa + aaa - a - a - a)/a$.
 220 := $(aaa - a) \times (a + a)/(a \times a)$.
 221 := $(aaa + aaa - a)/a$.
 222 := $(aaa + aaa)/a$.
 223 := $(aaa + aaa + a)/a$.
 224 := $(aaa + a) \times (a + a)/(a \times a)$.
 225 := $((aaa + a) \times (a + a)/a + a)/a$.
 226 := $(aaa + a + a) \times (a + a)/(a \times a)$.
 227 := $((aaa + a + a) \times (a + a)/a + a)/a$.
 228 := $(aaa + a + a + a) \times (a + a)/(a \times a)$.
 229 := $((aa + aa - a) \times aa/a - a - a)/a$.
 230 := $((aa + aa - a) \times aa/a - a)/a$.
 231 := $(aa + aa - a) \times aa/(a \times a)$.
 232 := $(aa \times aa/a + aaa)/a$.
 233 := $(aaa + aaa + aa)/a$.
 234 := $(aaa + aaa + aa + a)/a$.
 235 := $(aaa + aaa + aa + a + a)/a$.
 236 := $(aaa + aaa + aa + a + a + a)/a$.
 237 := $((aaa + a + a) \times (a + a)/a + aa)/a$.
 238 := $(aa \times aa/a - a - a) \times (a + a)/(a \times a)$.
 239 := $((aa + aa) \times aa/a - a - a - a)/a$.
 240 := $((aa + aa) \times aa/a - a - a)/a$.
 241 := $((aa + aa) \times aa/a - a)/a$.
 242 := $(aa + aa) \times aa/(a \times a)$.
 243 := $((aa + aa) \times aa/a + a)/a$.
 244 := $(aaa + aa) \times (a + a)/(a \times a)$.
 245 := $(aaa + aaa + aa + aa + a)/a$.
 246 := $(aaa + aa + a) \times (a + a)/(a \times a)$.
 247 := $((aaa + aa + a) \times (a + a)/a + a)/a$.
 248 := $(aaa + aa + a + a) \times (a + a)/(a \times a)$.
 249 := $((aaa + aa + a + a) \times (a + a)/a + a)/a$.
 250 := $(aaaa - aaa)/(a + a + a + a)$.
 251 := $((aa + aa + a) \times aa/a - a - a)/a$.
 252 := $((aa + aa + a) \times aa/a - a)/a$.
 253 := $(aa + aa + a) \times aa/(a \times a)$.
 254 := $((aa + aa + a) \times aa/a + a + a)/a$.
 255 := $((aa + aa + a) \times aa/a + a + a)/a$.
 256 := $(aaa + aaa + aa + aa + aa + a)/a$.
 257 := $(aaa + aaa + aa + aa + aa + a + a)/a$.
 258 := $((aaa + aa + a) \times (a + a)/a + a + aa)/a$.
 259 := $(aaa/(a + a + a) \times aa + aaa)/(a + a)$.
 260 := $((aa + aa) \times (aa + a)/a - a - a - a - a)/a$.
 261 := $((aa + aa) \times (aa + a)/a - a - a - a)/a$.
 262 := $((aa + aa) \times (aa + a)/a - a - a)/a$.
 263 := $((aa + aa) \times (aa + a)/a - a)/a$.
 264 := $(aa + aa) \times (aa + a)/(a \times a)$.
 265 := $((aa + aa) \times (aa + a)/a + a)/a$.
 266 := $(aaa + aa + aa) \times (a + a)/(a \times a)$.
 267 := $((aaa + aa + aa) \times (a + a)/a + a)/a$.
 268 := $(aaa + aa + aa + a) \times (a + a)/(a \times a)$.
 269 := $((aaa + aa + aa + a) \times (a + a)/a + a)/a$.
 270 := $(a - aaa + a + a) \times (a - aa)/((a + a + a + a) \times a)$.
 271 := $((aa + aa) \times aaa/(a + a + a) - a)/(a + a + a)$.
 272 := $(aaaa - aa - aa - a)/(a + a + a + a)$.
 273 := $(aa + aa - a) \times (aa + a + a)/(a \times a)$.
 274 := $(aaaa - aa - a - a - a - a)/(a + a + a + a)$.
 275 := $(aaaa - aa)/(a + a + a + a)$.
 276 := $(aa + aa + a) \times (aa + a)/(a \times a)$.
 277 := $((aaaa - a)/(a + a) \times a - a)/(a + a)$.
 278 := $(aaaa + a)/(a + a + a + a)$.
 279 := $(aaaa + a)/(a + a + a + a) + a/a$.
 280 := $(aaa + a)/(a + a) \times (aa - a)/(a + a)$.
 281 := $(aaaa + aa + a + a)/(a + a + a + a)$.
 282 := $(aaaa + aaa) \times (a + a + a)/(aa + a + a) \times a$.
 283 := $(aaaa + aa + aa - a)/(a + a + a + a)$.
 284 := $((aa + a + a) \times (aa + aa)/a - a - a)/a$.
 285 := $((aa + a + a) \times (aa + aa)/a - a)/a$.
 286 := $(aa + aa) \times (aa + a + a)/(a \times a)$.
 287 := $((aa + a + a) \times (aa + aa)/a + a)/a$.
 288 := $(aa + aa + a + a) \times (aa + a)/(a \times a)$.
 289 := $((aa + aa + aa) \times (aaa - aa)/aa - aa)/a$.
 290 := $(aaa + aa + aa + aa + a) \times (a + a)/(a \times a)$.
 291 := $(aaaa \times (a + a + a)/aa - aa - a)/a$.
 292 := $(aaaa \times (a + a + a)/aa - aa)/a$.
 293 := $(aaaa \times (a + a + a)/aa - aa + a)/a$.
 294 := $(aaa - aa - a - a) \times (a + a + a)/(a \times a)$.
 295 := $(aaa/(a + a + a) \times aa - aaa - a)/a$.
 296 := $(aaa/(a + a + a) \times aa - aaa)/a$.
 297 := $(aaa - aa - a) \times (a + a + a)/(a \times a)$.
 298 := $((aaa - aa) \times (a + a + a)/a - a - a)/a$.
 299 := $((aaa - aa) \times (a + a + a)/a - a)/a$.
 300 := $(aaa - aa) \times (a + a + a)/(a \times a)$.
 301 := $((aaa - aa) \times (a + a + a)/a + a)/a$.
 302 := $(aaaa \times (a + a + a)/aa - a)/a$.
 303 := $aaaa \times (a + a + a)/(aa \times a)$.
 304 := $(aaaa \times (a + a + a)/aa + a)/a$.
 305 := $(aaa \times aa - a \times a)/(a + a) \times (a + a)$.
 306 := $(aaaa + aa) \times (a + a + a)/(aa \times a)$.
 307 := $((aaa + a)/(a + a) \times aa - a - a)/(a + a)$.
 308 := $(aaa + a)/(a + a) \times aa/(a + a)$.
 309 := $((aaa + a)/(a + a) \times aa + a + a)/(a + a)$.
 310 := $(aaa + aaa + aaa - aa - aa - a)/a$.
 311 := $(aaa + aaa + aaa - aa - aa)/a$.
 312 := $(aa + aa + a + a) \times (aa + a + a)/(a \times a)$.
 313 := $(aaaa/aa \times (a + a) + aaa)/a$.
 314 := $(aaaa \times (a + a + a)/aa + aa)/a$.
 315 := $((aaaa + aa)/aa \times (a + a) + aaa)/a$.
 316 := $(aaa/(a + a + a) \times aaa + a)/(aa + a + a)$.
 317 := $((aaaa + aa) \times (a + a + a)/aa + aa)/a$.
 318 := $((aaaa + aa) \times (a + a + a)/aa + aa + a)/a$.
 319 := $((aaa + a)/(a + a) \times aa + aa + aa)/(a + a)$.
 320 := $(aa + aa + aa - a) \times (aa - a)/(a \times a)$.
 321 := $(aaa + aaa + aaa - aa - a)/a$.
 322 := $(aaa + aaa + aaa - aa)/a$.
 323 := $(aaa \times (a + a + a)/a - aa + a)/a$.
 324 := $(aaa - a - a - a) \times (a + a + a)/(a \times a)$.
 325 := $((aaa + a) \times (a + a + a)/a - aa)/a$.
 326 := $((aaa - a - a) \times (a + a + a)/a - a)/a$.
 327 := $(aaa - a - a) \times (a + a + a)/(a \times a)$.
 328 := $((aaa - a) \times (a + a + a)/a - a - a)/a$.
 329 := $((aaa - a) \times (a + a + a)/a - a)/a$.
 330 := $(aaa - a) \times (a + a + a)/(a \times a)$.
 331 := $(aaa + aaa + aaa - a - a)/a$.
 332 := $(aaa + aaa + aaa - a)/a$.
 333 := $aaa \times (a + a + a)/(a \times a)$.
 334 := $(aaa + aaa + aaa + a)/a$.
 335 := $(aaa + aaa + aaa + a + a)/a$.
 336 := $(aaa + a) \times (a + a + a)/(a \times a)$.
 337 := $(aaaa - aaa + aa)/(a + a + a)$.
 338 := $((aaa + a) \times (a + a + a)/a + a + a)/a$.
 339 := $(aaa + a + a) \times (a + a + a)/(a \times a)$.
 340 := $(aa + aa + aa + a) \times (aa - a)/(a \times a)$.
 341 := $(aa + aa + aa - a - a) \times aa/(a \times a)$.

$$342 := (aaa + a + a + a) \times (a + a + a)/(a \times a).$$

$$343 := (aaa \times (a + a) + aa \times aa)/(a \times a).$$

$$344 := (aaa + aaa + aaa + aa)/a.$$

$$345 := ((aaa + a) \times (a + a) + aa \times aa)/(a \times a).$$

$$346 := (aaa + aaa + aaa + aa + a + a)/a.$$

$$347 := ((aaa + a) \times (a + a + a)/a + aa)/a.$$

$$348 := ((aaa + a) \times (a + a + a)/a + aa + a)/a.$$

$$349 := ((aaa + a) \times (a + a + a)/a + aa + a + a)/a.$$

$$350 := ((aa + aa) \times aa/a + aaa - a - a - a)/a.$$

$$351 := ((aa + aa) \times aa/a + aaa - a - a)/a.$$

$$352 := (aa + aa + aa - a) \times aa/(a \times a).$$

$$353 := ((aa + aa) \times aa/a + aaa)/a.$$

$$354 := (aaa + aaa + aaa + aa + aa - a)/a.$$

$$355 := (aaa + aaa + aaa + aa + aa)/a.$$

$$356 := (aaa - aa - aa) \times (aa + a)/((a + a + a) \times a).$$

$$357 := ((aaa - a) \times (aa + a + a)/(a + a) - a)/(a + a).$$

$$358 := ((aaa - a) \times aa/(a + a) + aaa)/(a + a).$$

$$359 := (aaaa - aa - aa - aa - a)/(a + a + a).$$

$$360 := (aaa + aa - a - a) \times (a + a + a)/(a \times a).$$

$$361 := ((aaa + aa - a - a) \times (a + a + a)/a + a)/a.$$

$$362 := ((aa + aa + aa) \times aa/a - a)/a.$$

$$363 := (aa + aa + aa) \times aa/(a \times a).$$

$$364 := ((aa + aa + aa) \times aa/a + a)/a.$$

$$365 := ((aaa + aa) \times (a + a + a)/a - a)/a.$$

$$366 := (aaa + aa) \times (a + a + a)/(a \times a).$$

$$367 := (aaaa - aa + a)/(a + a + a).$$

$$368 := (aaaa - a)/(a + a + a) - (a + a)/a.$$

$$369 := (aaaa - a)/(a + a + a) - a/a.$$

$$370 := (aaaa - a)/(a + a + a).$$

$$371 := (aaaa + a + a)/(a + a + a).$$

$$372 := (aaaa + a + a)/(a + a + a) + a/a.$$

$$373 := (aaaa + aa)/(a + a + a) - a/a.$$

$$374 := (aaaa + aa)/(a + a + a).$$

$$375 := (aaaa + aa)/(a + a + a) + a/a.$$

$$376 := (aaaa + aa)/(a + a + a) + (a + a)/a.$$

$$377 := (aaaa + aa + aa - a - a)/(a + a + a).$$

$$378 := (aaaa + aa + aa + a)/(a + a + a).$$

$$379 := (aaaa + a)/(a + a + a) + aaaa/aa.$$

$$380 := (aaa + a + a + a) \times (aa - a)/((a + a + a) \times a).$$

$$381 := (aaaa + aa + aa + aa - a)/(a + a + a).$$

$$382 := (aaaa/aa \times (a + a) - aa) \times (a + a)/(a \times a).$$

$$383 := (aaaa - aaa - aaa - aaa - aa - a)/(a + a).$$

$$384 := (aa + aa + aa - a) \times (aa + a)/(a \times a).$$

$$385 := (aa + aa + aa + a + a) \times aa/(a \times a).$$

$$386 := (aa + aa + aa + a + a) \times aa/(a \times a) + a/a.$$

$$387 := (aa + aa + aa + a + a) \times aa/(a \times a) + (a + a)/a.$$

$$388 := (aaa - aa - a - a - a) \times (aa + a)/((a + a + a) \times a).$$

$$389 := (aaaa - aaa - aaa - aaa)/(a + a).$$

$$390 := (aaaa - aaa - aaa - aaa + a + a)/(a + a).$$

$$391 := ((aaa + aa) \times aa/(a + a) + aaa)/(a + a).$$

$$392 := (aaa - aa - a - a) \times (aa + a)/((a + a + a) \times a).$$

$$393 := ((aa + aa + aa) \times (aa + a)/a - a - a - a)/a.$$

$$394 := ((aa + aa + aa) \times (aa + a)/a - a - a)/a.$$

$$395 := ((aa + aa + aa) \times (aa + a)/a - a)/a.$$

$$396 := (aa + aa + aa) \times (aa + a)/(a \times a).$$

$$397 := ((aaa + aa) \times (aa + a + a)/(a + a) + a)/(a + a).$$

$$398 := (aaa + aaa - aa - aa - a) \times (a + a)/(a \times a).$$

$$399 := (aaa + aa + aa) \times (a + a + a)/(a \times a).$$

$$400 := (aaa - aa) \times (a + a + a + a)/(a \times a).$$

$$401 := ((aaa - aa) \times (a + a + a + a)/a + a)/a.$$

$$402 := (aaaa/aa \times (a + a) - a) \times (a + a)/(a \times a).$$

$$403 := ((aaaa + aaaa) \times (a + a)/aa - a)/a.$$

$$404 := aaaa \times (a + a + a + a)/(aa \times a).$$

$$405 := (aaa/(a + a + a) \times aa - a - a)/a.$$

$$406 := (aaa/(a + a + a) \times aa - a)/a.$$

$$407 := aaa/(a + a + a) \times aa/a.$$

$$408 := (aaa/(a + a + a) \times aa + a)/a.$$

$$409 := (aaa/(a + a + a) \times aa + a + a)/a.$$

$$410 := (aaa/(a + a + a) \times aa + a + a + a)/a.$$

$$411 := (aaaa + aaa + aa)/(a + a + a).$$

$$412 := (aaaa + aaa + aa + a + a + a)/(a + a + a).$$

$$413 := (aaaa \times (a + a + a)/aa + aaa - a)/a.$$

$$414 := (aaaa \times (a + a + a)/aa + aaa)/a.$$

$$415 := (aaaa \times (a + a + a)/aa + aaa + a)/a.$$

$$416 := (aaa/(a + a + a) \times aa + aa - a - a)/a.$$

$$417 := (aaa/(a + a + a) \times aa + aa - a)/a.$$

$$418 := (aaa/(a + a + a) \times aa + aa)/a.$$

$$419 := (aaa/(a + a + a) \times aa + aa + a)/a.$$

$$420 := (aaa + aaa - aa - a) \times (a + a)/(a \times a).$$

$$421 := ((aaa + aaa - aa) \times (aa + aa)/aa - a)/a.$$

$$422 := (aaa + aaa - aa) \times (a + a)/(a \times a).$$

$$423 := ((aaa + aaa - aa) \times (aa + aa)/aa + a)/a.$$

$$424 := (aaaa/aa \times (a + a) + aaa + aa)/a.$$

$$425 := ((aa + aa + a) \times aaa/(a + a + a) - a)/(a + a).$$

$$426 := ((aa + aa + a) \times aaa/(a + a + a) + a)/(a + a).$$

$$427 := (aa + aa - a) \times (aaa + aa)/((a + a) \times (a + a + a)).$$

$$428 := (aaa - a - a - a - a) \times (aa + a)/((a + a + a) \times a).$$

$$429 := (aa + aa + aa) \times (aa + a + a)/(a \times a).$$

$$430 := ((aaa + aaa - a) \times (aa + aa)/aa - aa - a)/a.$$

$$431 := ((aa + aa + a) \times aaa/(a + a + a) + aa)/(a + a).$$

$$432 := (aaa - a - a - a) \times (aa + a)/((a + a + a) \times a).$$

$$433 := (aaa + aaa + aaa + aaa - aa)/a.$$

$$434 := (aaaa \times (aa + a + a)/aa - aa)/(a + a + a).$$

$$435 := ((aaa - a - a) \times (aa + a)/(a + a + a) - a)/a.$$

$$436 := (aaa - a - a) \times (aa + a)/(a + a + a) \times a).$$

$$437 := ((aaa - a - a) \times (aa + a)/(a + a + a) + a)/a.$$

$$438 := (aaa + aaa - a - a - a) \times (a + a)/(a \times a).$$

$$439 := (aaaa - aaa - aaa - aa)/(a + a).$$

$$440 := (aaa - a) \times (a + a + a + a)/(a \times a).$$

$$441 := ((aaa - a) \times (a + a + a + a)/a + a)/a.$$

$$442 := (aaa + aaa - a) \times (a + a)/(a \times a).$$

$$443 := (aaa + aaa + aaa + aaa - a)/a.$$

$$444 := (aaa + aaa) \times (a + a)/(a \times a).$$

$$445 := (aaaa - aaa - aaa + a)/(a + a).$$

$$446 := (aaa + aaa + a) \times (a + a)/(a \times a).$$

$$447 := ((aaa + a) \times (a + a + a + a)/a - a)/a.$$

$$448 := (aaa + a) \times (a + a + a + a)/(a \times a).$$

$$449 := ((aaa + a) \times (a + a + a + a)/a + a)/a.$$

$$450 := (aaaa - aaa - aaa + aa)/(a + a).$$

$$451 := (aaa + aa + a) \times aa/((a + a + a) \times a).$$

$$452 := (aaa + a + a) \times (aa + a)/((a + a + a) \times a).$$

$$453 := (aaaa \times (aa - a - a)/aa - a - a - a)/(a + a).$$

$$454 := (aaa \times (a + a + a) + aa \times aa)/(a \times a).$$

$$455 := ((a + a + a + a) \times aaa/a + aa)/a.$$

$$456 := (aaa + a + a + a) \times (aa + a)/((a + a + a) \times a).$$

$$457 := (aaa \times aaa/(aa - a - a) + a + a)/(a + a + a).$$

$$458 := ((aaa + aaa + a) \times (aa + aa)/aa + aa + a)/a.$$

$$459 := (aaaa + aa) \times (aa - a - a)/(a + a) \times aa).$$

$$460 := (aaaa \times (aa - a - a)/aa + aa)/(a + a).$$

$$461 := (aaaa + aa)/(a + a) - (aaaa - aa)/aa.$$

$$462 := (aa + aa - a) \times (aa + aa)/(a \times a).$$

$$463 := (aaaa + a) \times a/((aa + a) \times (a + a)).$$

$$464 := (aaa + aaa + aa - a) \times (a + a)/(a \times a).$$

$$465 := (aaaa + aa + aa - a)/(a + a) - aaaa/aa.$$

$$466 := (aaa + aaa + aa) \times (a + a)/(a \times a).$$

$$467 := ((aaaa + aa) \times (aa - a)/(aa + a) - a)/(a + a).$$

$$468 := (aaa + aaa + aa + a) \times (a + a)/(a \times a).$$

$$469 := (aaa/(a + a + a) \times aa + aaaa - aaa)/(a + a + a).$$

- 470 := $(aaa + aaa + aa + a + a) \times (a + a)/(a \times a)$.
 471 := $(aaaa - a)/(a + a + a) + aaaa/aa$.
 472 := $((aa + a + a + a) \times aaaa/aa + a + a)/(a + a + a)$.
 473 := $((aaaa + aa) \times aa/(a + a) - aa - aa)/(aa + a + a)$.
 474 := $((aaa + a)/(a + a) \times (aaa - a) + a + a)/(aa + a + a)$.
 475 := $((aa + a + a + a) \times aaaa/aa + aa)/(a + a + a)$.
 476 := $(aaaa + aa) \times (aa + a + a + a)/(aa \times (a + a + a))$.
 477 := $(aaaa + a + a) \times (aa + a)/(aa + a) \times (aa + a + a + a)$.
 478 := $((aaa + a) \times aaa/(a + a) - a - a)/(aa + a + a)$.
 479 := $((aaa + a) \times aaa/(a + a) + aa)/(aa + a + a)$.
 480 := $(aaaa/aa - (aa - a)/(a + a)) \times (aa - a)/(a + a)$.
 481 := $(aa + a + a) \times aaa/((a + a + a) \times a)$.
 482 := $(aa + a + a) \times aaa/((a + a + a) \times a) + a/a$.
 483 := $(aaaaa - a - a)/(aa + aa + a)$.
 484 := $(aa + aa) \times (aa + aa)/(a \times a)$.
 485 := $((aa + aa) \times (aa + aa)/a + a)/a$.
 486 := $((aa + aa) \times (aa + aa)/a + a + a)/a$.
 487 := $(aaaa \times aaa/aa - aa + a)/(aa + aa + a)$.
 488 := $(aaa + aa) \times (a + a + a + a)/(a \times a)$.
 489 := $(aaaa - aaa - aa - aa)/(a + a)$.
 490 := $(aaaa - aaa)/(a + a) - (aaa - a)/aa$.
 491 := $((aaa + aa + a) \times (aa + a)/(a + a + a) - a)/a$.
 492 := $(aaa + aa + a) \times (aa + a)/((a + a + a) \times a)$.
 493 := $(aaaa - aaa - aa - a - a - a)/(a + a)$.
 494 := $(aaaa - aaa - aa - a)/(a + a)$.
 495 := $(aaaa - aaa - aa + a)/(a + a)$.
 496 := $(aaaa - aaa - aa + a + a + a)/(a + a)$.
 497 := $((aaaa - aaa)/(a + a) \times a - a - a - a)/a$.
 498 := $((aaaa - aaa)/(a + a) \times a - a - a)/a$.
 499 := $(aaaa - aaa - a - a)/(a + a)$.
 500 := $(aaaa - aaa)/(a + a)$.
 501 := $(aaaa - aaa + a + a)/(a + a)$.
 502 := $((aaaa - aaa)/(a + a) \times a + a + a)/a$.
 503 := $((aaa + a) \times (aa - a - a)/(a + a) - a)/a$.
 504 := $(aaa + a) \times (aa - a - a)/((a + a) \times a)$.
 505 := $(aaaaa - a)/(aa + aa)$.
 506 := $(aa + aa + a) \times (aa + aa)/(a \times a)$.
 507 := $(aaaa - aaa + aa + a + a + a)/(a + a)$.
 508 := $((aaaa - a) \times aa/(a + a) - aa + a + a)/(aa + a)$.
 509 := $((aaa - aa) \times (aaa + a)/(a + a) - a)/aa$.
 510 := $(aaaa + aa)/aa \times (aa - a)/(a + a)$.
 511 := $(aaaa - aaa + aa + aa)/(a + a)$.
 512 := $(aaaa - aaa + aa + aa + a + a)/(a + a)$.
 513 := $(aaaa - aa)/(a + a) - aaa/(a + a + a)$.
 514 := $((aaa + a) \times aaaa/(aa + aa) - a - a)/aa$.
 515 := $((aaa + a) \times (aa - a - a)/(a + a) + aa)/a$.
 516 := $((aaa + a) \times (aa - a - a)/(a + a) + aa + a)/a$.
 517 := $((aaa + a) \times aaa/(aa + a) - a - a)/(a + a)$.
 518 := $(aaa/(a + a + a) \times aa + aaa)/a$.
 519 := $(aaa/(a + a + a) \times aa + aaa + a)/a$.
 520 := $(aaa/(a + a + a) \times aa + aaa + a + a)/a$.
 521 := $((aaaa + aa)/(aa + aa) \times (aa - a) + aa)/a$.
 522 := $(aaaa - aa)/(a + a) - (aaa + a)/(a + a + a + a)$.
 523 := $(aaaa - (aa + a) \times aa/(a + a) + a)/(a + a)$.
 524 := $(aaaa + aa)/(a + a) - aaa/(a + a + a)$.
 525 := $(aa + aa + a + a + a) \times (aa + aa - a)/(a \times a)$.
 526 := $((aaaa + aaaa) \times (a + a)/aa + aaa + aa)/a$.
 527 := $(aaaa - a)/(a + a) - (aaa + a)/(a + a + a + a)$.
 528 := $(aa + aa + aa + aa) \times (aa + a)/(a \times a)$.
 529 := $(aa + aa + a) \times (aa + aa + a)/(a \times a)$.
 530 := $((aaaaa - a - a)/(aa + aa - a) \times a + a)/a$.
 531 := $((aaa + aa + aa) \times (aa + a)/(a + a + a) - a)/a$.
 532 := $(aaa + aa + aa) \times (aa + a)/((a + a + a) \times a)$.
 533 := $(aaa + aa + a) \times (aa + a + a)/(aa + a + a) \times a$.
 534 := $(aaaa - aa - aa - aa - aa + a)/(a + a)$.
 535 := $(aaa - a - a - a - a) \times (aaa - a)/((aa + aa) \times a)$.
 536 := $(aaa + aa + aa + a) \times (aa + a)/((a + a + a) \times a)$.
 537 := $(aaaa - aaaa)/(a + a) + aaa/(a + a + a)$.
 538 := $(aaaa - aa - aa - aa - a - a)/(a + a)$.
 539 := $(aaaa - aa - aa - aa)/(a + a)$.
 540 := $(aaaa - aa - aa - aa - aa + a)/(a + a)$.
 541 := $((aaaa - aa)/(aa + aa) \times aa - aa + a + a)/a$.
 542 := $aaaa \times (aa + a)/((aaa + aa + a) \times (a + a))$.
 543 := $(aaaa - aa - aa - a - a - a)/(a + a)$.
 544 := $(aaaa - a)/(a + a) - aa/a$.
 545 := $(aaaa + a)/(a + a) - aa/a$.
 546 := $(aaaa - aa - aa + a + a + a)/(a + a)$.
 547 := $(aaaa + a)/(a + a) + a/a - (aaa - a)/aa$.
 548 := $(aaaa - aa - a - a - a - a)/(a + a)$.
 549 := $(aaaa - aa - a - a)/(a + a)$.
 550 := $(aaaa - aa)/(a + a)$.
 551 := $(aaaa - aa + a + a)/(a + a)$.
 552 := $((aaaa - aa)/(a + a) \times a + a + a)/a$.
 553 := $(aaaa - a)/(a + a) - (a + a)/a$.
 554 := $(aaaa - a - a - a)/(a + a)$.
 555 := $(aaaa - a)/(a + a)$.
 556 := $(aaaa + a)/(a + a)$.
 557 := $(aaaa + a + a + a)/(a + a)$.
 558 := $(aaaa + a)/(a + a) + (a + a)/a$.
 559 := $((aaa + a) \times (aa - a)/(a + a) - a)/a$.
 560 := $(aaaa + aa - a - a)/(a + a)$.
 561 := $(aaaa + aa)/(a + a)$.
 562 := $(aaaa + aa + a + a)/(a + a)$.
 563 := $(aaaa + aa + a + a + a + a)/(a + a)$.
 564 := $((aaa + a) \times aaa/(a + a) - aa - a)/aa$.
 565 := $(aaa + a + a) \times (aa - a)/((a + a) \times a)$.
 566 := $(aaaa - a)/(a + a) + aa/a$.
 567 := $(aaaa + a)/(a + a) + aa/a$.
 568 := $(aaaa + aa + aa + a + a + a)/(a + a)$.
 569 := $((aaaa + a) \times aa/(aa + aa) + aa + a + a)/a$.
 570 := $(aaa + a + a + a) \times (aaa - a)/((aa + aa) \times a)$.
 571 := $(aaaa + aa + aa + aa - a - a)/(a + a)$.
 572 := $(aaaa + aa + aa + aa)/(a + a)$.
 573 := $(aaaa + aa + aa + aa + a + a)/(a + a)$.
 574 := $(aaa + aa + a) \times (aaa + a)/((aa + a) \times (a + a))$.
 575 := $(aaa - aa) \times (aa + aa + a)/((a + a + a) \times a)$.
 576 := $(aaa + aa + aa + aa) \times (aa + a)/((a + a + a) \times a)$.
 577 := $(aaaa + aa + aa + aa + aa - a)/(a + a)$.
 578 := $(aaaa + aa + aa + aa + aa + a)/(a + a)$.
 579 := $(aaaaa - aaaa + a)/(aa + aa - a - a - a)$.
 580 := $((aaa + a) \times aaa/(aa + aa - a) - aa - a)/a$.
 581 := $((aaa + a) \times aaa/(aa + aa - a) - aa)/a$.
 582 := $(aaaaa + aaaa)/(aa + aa - a)$.
 583 := $(aaa + a)/(a + a + a + a) + (aaaa - a)/(a + a)$.
 584 := $(aaa + a)/(a + a + a + a) + (aaaa + a)/(a + a)$.
 585 := $(aaa + aaaa + aa + a)/(a + a) \times (aa - a)/(a + a)$.
 586 := $((aa + aa + a) \times aa + aaa \times (a + a + a))/(a \times a)$.
 587 := $(aaaa - aa)/(a + a) + aaa/(a + a + a)$.
 588 := $(aa + aa - a) \times (aaa + a)/((a + a + a) \times a)$.
 589 := $((aaa - aa) \times (aa + a)/(a + a) - aa)/a$.
 590 := $((aaa - aa) \times (aa + a)/(a + a) - aa + a)/a$.
 591 := $((aaa + a) \times aaa/(aa + aa - a) - a)/a$.
 592 := $(aaa + a) \times aaa/(aa + aa - a)/a$.
 593 := $((aaa - a) \times aa/(a + a) - aa - a)/a$.
 594 := $((aaa - a) \times aa/(a + a) - aa)/a$.
 595 := $(aaaa \times (aa + a)/(aa + aa) - aa)/a$.
 596 := $(aaaa \times (aa + a)/(aa + aa) - aa + a)/a$.
 597 := $((aaa - aa) \times (aa + a)/(a + a) - a - a - a)/a$.

- 598 := $((aaa - aa) \times (aa + a)/(a + a) - a - a)/a$.
 599 := $((aaa - a - a) \times aa/a - a)/(a + a)$.
 600 := $(aaa - aa) \times (aa + a)/((a + a) \times a)$.
 601 := $((aaa - aa) \times (aa + a)/(a + a) + a)/a$.
 602 := $((aaa - a) \times aa/(a + a) - a - a - a)/a$.
 603 := $((aaa - a) \times aa/(a + a) - a - a)/a$.
 604 := $((aaa - a) \times aa/(a + a) - a)/a$.
 605 := $(aaa - a) \times aa/((a + a) \times a)$.
 606 := $((aaa - a) \times aa/(a + a) + a)/a$.
 607 := $((aaa - a) \times aa/(a + a) + a + a)/a$.
 608 := $(aaaa \times (aa + a)/(aa + aa) + a + a)/a$.
 609 := $((aaa \times aa - a \times a)/(a + a) - a)/a$.
 610 := $((aaa \times aa)/a - a)/(a + a)$.
 611 := $(aaaa + aaa)/(a + a)$.
 612 := $(aaaa + aaa + a + a)/(a + a)$.
 613 := $(aaaa + aaa + a + a + a + a)/(a + a)$.
 614 := $((aaa + a)/(a + a) \times aa - a - a)/a$.
 615 := $((aaa + a)/(a + a) \times aa - a)/a$.
 616 := $(aaa + a)/(a + a) \times aa/a$.
 617 := $((aaa + a)/(a + a) \times aa + a)/a$.
 618 := $((aaa + a)/(a + a) \times aa + a + a)/a$.
 619 := $((aaa + a)/(a + a) \times aa + a + a + a)/a$.
 620 := $((aaa + aa) \times (aaa + a)/(a + a) - aa - a)/aa$.
 621 := $((aaa + a + a) \times aa/a - a)/(a + a)$.
 622 := $((aaa + a + a) \times aa/a + a)/(a + a)$.
 623 := $(aaaa + aaa + aa + aa + a + a)/(a + a)$.
 624 := $((aaa + a)/(a + a) \times aa + aa - a - a - a)/a$.
 625 := $((aaa + a)/(a + a) \times aa + aa - a - a)/a$.
 626 := $((aaa + a)/(a + a) \times aa + aa - a)/a$.
 627 := $((aaa + a)/(a + a) \times aa + aa)/a$.
 628 := $((aaa + a)/(a + a) \times aa + aa + a)/a$.
 629 := $((aaa + a)/(a + a) \times aa + aa + a + a)/a$.
 630 := $(aaa + aaa - aa - a) \times (a + a + a)/(a \times a)$.
 631 := $aaaaaa/aaa - (aaaa - a)/(a + a + a)$.
 632 := $(aaa + aaa - aa) \times (a + a + a)/(a \times a) - a/a$.
 633 := $(aaa + aaa - aa) \times (a + a + a)/(a \times a)$.
 634 := $(aaa + aaa - aa) \times (a + a + a)/(a \times a) + a/a$.
 635 := $(aaa + aaa)/(a + a + a) + (aaaa + aa)/(a + a)$.
 636 := $(aaaa + a + a) \times (aa - a - a - a)/(aa + a + a + a) \times a$.
 637 := $aaaaaa \times (aa + a + a + a)/(aa + aa)/aaa$.
 638 := $((aaa + a)/(a + a) \times aa + aa + aa)/a$.
 639 := $(aaaa + aaa)/(a + a) + (aaa + a)/(a + a + a + a)$.
 640 := $((aa + aa - a) \times (aaa + aa)/(a + a) - a)/(a + a)$.
 641 := $((aaa + aaa + aaa - aa - a) \times (a + a)/a - a)/a$.
 642 := $(aaa + aaa + aaa - aa - a) \times (a + a)/(a \times a)$.
 643 := $((aaa - a - a) \times (aa + a)/(a + a) - aa)/a$.
 644 := $(aaa \times (aa + a)/(a + a) - aa - aa)/a$.
 645 := $(aaaa - aa - aa - a)/(a + a) + aaaa/aa$.
 646 := $(aaaa - aa - aa + a)/(a + a) + aaaa/aa$.
 647 := $((aaaa + a) \times (aa + a + a)/(a + a) - aaaa)/aa$.
 648 := $(aaaa + aaa)/(a + a) + aaaa/(a + a + a)$.
 649 := $((aaaa - aa) \times (aa + a + a)/(a + a) - aa)/aa$.
 650 := $(aaa - aa) \times (aa + a + a)/(a + a) \times a$.
 651 := $((aaa - aa) \times (aa + a + a)/(a + a) + a)/a$.
 652 := $(aaaa + aa)/aa + (aaaa - aa)/(a + a)$.
 653 := $((aaa - a - a) \times (aa + a)/(a + a) - a)/a$.
 654 := $(aaa - a - a) \times (aa + a)/((a + a) \times a)$.
 655 := $(aaa \times (aa + a)/(a + a) - aa)/a$.
 656 := $(aaa \times (aa + a)/(a + a) - aa + a)/a$.
 657 := $(aaa \times (aa + a)/(a + a) - aa + a + a)/a$.
 658 := $((aaa + aa) \times aa/(a + a) - aa - a - a)/a$.
 659 := $((aaa - a) \times (aa + a)/(a + a) - a)/a$.
 660 := $(aaa - a) \times (aa + a)/((a + a) \times a)$.
 661 := $((aaa - a) \times (aa + a)/(a + a) + a)/a$.
- 662 := $(aaaa + aa)/(a + a) + aaaa/aa$.
 663 := $(aaa + aaa - a) \times (a + a + a)/(a \times a)$.
 664 := $(aaa \times (aa + a)/(a + a) - a - a)/a$.
 665 := $(aaa \times (aa + a)/(a + a) - a)/a$.
 666 := $aaa \times (aa + a)/((a + a) \times a)$.
 667 := $(aaa \times (aa + a)/(a + a) + a)/a$.
 668 := $(aaa \times (aa + a)/(a + a) + a + a)/a$.
 669 := $(aaa + aaa + a) \times (a + a + a)/(a \times a)$.
 670 := $((aaa + aa) \times aa/(a + a) - a)/a$.
 671 := $(aaa + aa) \times aa/((a + a) \times a)$.
 672 := $(aaa + a) \times (aa + a)/((a + a) \times a)$.
 673 := $((aaa + a) \times (aa + a)/(a + a) + a)/a$.
 674 := $((aaa + a) \times (aa + a)/(a + a) + a + a)/a$.
 675 := $((aaa + a) \times (aa + a)/(a + a) + a + a + a)/a$.
 676 := $((aaa + aa) \times aaa/(a + a) - aa)/(aa - a)$.
 677 := $(aaa \times (aa + a)/(a + a) + aa)/a$.
 678 := $(aaa + a + a) \times (aa + a)/((a + a) \times a)$.
 679 := $((aaa + a + a) \times (aa + a)/(a + a) + a)/a$.
 680 := $(aaa \times aaa/(aa - a - a) - aa + a + a)/(a + a)$.
 681 := $((aaa + aa) \times aa/(a + a) + aa - a)/a$.
 682 := $((aaa + aa) \times aa/(a + a) + aa)/a$.
 683 := $((aaa + aa) \times aa/(a + a) + aa + a)/a$.
 684 := $(aaa \times aaa/(aa - a - a) - a)/(a + a)$.
 685 := $(aaa \times aaa/(aa - a - a) + a)/(a + a)$.
 686 := $(aaa + aaa + aaa + aa - a) \times (a + a)/(a \times a)$.
 687 := $((aaaa + aa) \times aa/(a + a) + aa + a)/(aa - a - a)$.
 688 := $(aaa + aaa + aaa + aa) \times (a + a)/(a \times a)$.
 689 := $((aaa + a + a) \times (aa + a)/(a + a) + aa)/a$.
 690 := $(aaa \times aaa/(aa - a - a) + aa)/(a + a)$.
 691 := $((aaa + a) \times aaa/(a + a) + a + a + a)/(aa - a - a)$.
 692 := $(aaaa - aaa/(a + a + a) \times aa - aa - a)/a$.
 693 := $(aa + aa + aa) \times (aa + aa - a)/(a \times a)$.
 694 := $(aaaa + a)/(aa - a - a - a) + (aaaa - a)/(a + a)$.
 695 := $((aaaa + a)/(aa - a - a - a) \times a + a)/(a + a)$.
 696 := $(aaa + aaa + aa - a) \times (a + a + a)/(a \times a)$.
 697 := $((aaa + a) \times (aaa + a)/(a + a) + a)/(aa - a - a)$.
 698 := $((aaaa + aa) \times aa/(a + a) + aaa)/(aa - a - a)$.
 699 := $(aaa + aaa + aa) \times (a + a + a)/(a \times a)$.
 700 := $(aa + aa - a) \times (aaa - aa)/((a + a + a) \times a)$.
 701 := $((aaa + aa) \times (aa + aa + a)/(a + a) - a)/(a + a)$.
 702 := $(aaa + aaa + aa + a) \times (a + a + a)/(a \times a)$.
 703 := $(aaaa - aaa/(a + a + a) \times aa - a)/a$.
 704 := $(aaaa - aaa/(a + a + a) \times aa)/a$.
 705 := $(aaaa - aaa/(a + a + a) \times aa + a)/a$.
 706 := $(aaaa \times (aa + a)/(aa + aa) + aaa - aa)/a$.
 707 := $(aa + a + a + a) \times aaaa/(aa \times (a + a))$.
 708 := $((aa + a + a + a) \times aaaa/aa + a + a)/(a + a)$.
 709 := $((aaa - aa) \times (aa + a)/(a + a) + aaa - a - a)/a$.
 710 := $((aaa - aa) \times (aa + a)/(a + a) + aaa - a)/a$.
 711 := $((aaa - aa) \times (aa + a)/(a + a) + aaa)/a$.
 712 := $(aaa - aa - aa) \times (aa - a - a - a)/(a \times a)$.
 713 := $((aa + a + a + a) \times aaaa/aa + aa + a)/(a + a)$.
 714 := $((aaa - a) \times (aa + a + a)/(a + a) - a)/a$.
 715 := $(aaa - a) \times (aa + a + a)/((a + a) \times a)$.
 716 := $((aaa - a) \times aa/(a + a) + aaa)/a$.
 717 := $((aaa - a) \times aa/(a + a) + aaa + a)/a$.
 718 := $((aaa - a) \times aa/(a + a) + aaa + a + a)/a$.
 719 := $((aaa - a) \times aa/(a + a) + aaa + a + a + a)/a$.
 720 := $((aa + a + a) \times aaa/a - a - a - a)/(a + a)$.
 721 := $((aa + a + a) \times aaa/a - a)/(a + a)$.
 722 := $((aa + a + a) \times aaa/a + a)/(a + a)$.
 723 := $((aa + a + a) \times aaa/a + a + a + a)/(a + a)$.
 724 := $((aa + a) \times aa \times aa/((a + a) \times a) - a - a)/a$.
 725 := $((aa + a) \times aa \times aa/((a + a) \times a) - a)/a$.

- 726 := $(aa + a) \times aa \times aa / ((a + a) \times a \times a)$.
 727 := $((aaa - a) \times aa / (a + a) + aaa + aa) / a$.
 728 := $(aaa + a) \times (aa + a + a) / ((a + a) \times a)$.
 729 := $(aaa + a) \times (aa + a + a) / ((a + a) \times a) + a/a$.
 730 := $((aaa + aa) \times (aa + a) / (a + a) - a - a) / a$.
 731 := $((aaa + aa) \times (aa + a) / (a + a) - a) / a$.
 732 := $(aaa + aa) \times (aa + a) / ((a + a) \times a)$.
 733 := $((aaa + aa) \times (aa + a) / (a + a) + a) / a$.
 734 := $((aaa + aa) \times (aa + a) / (a + a) + a + a) / a$.
 735 := $((aaa + aa) \times (aa + a) / (a + a) + a + a + a) / a$.
 736 := $(aaaa + aaaa - aa - a - a - a) / (a + a + a)$.
 737 := $(aaaa + aaaa - aa) / (a + a + a)$.
 738 := $((aaaa - a) / (a + a + a) \times (a + a) - a - a) / a$.
 739 := $((aaaa - a) / (a + a + a) \times (a + a) - a) / a$.
 740 := $(aaaa - a) \times (a + a) / ((a + a + a) \times a)$.
 741 := $((aaaa - a) / (a + a + a) \times (a + a) + a) / a$.
 742 := $(aaaa + a + a) \times (a + a) / ((a + a + a) \times a)$.
 743 := $((aaa + aa) \times (aa + a) / (a + a) + aa) / a$.
 744 := $(aaaa + aaaa + aa - a) / (a + a + a)$.
 745 := $(aaaa + aaaa + aa + a + a) / (a + a + a)$.
 746 := $(aaaa + aaaa + a) / (a + a + a) + (aa - a) / (a + a)$.
 747 := $((aaaa + aaaa) / (a + a) \times aa + a + a) / (aa - a - a)$.
 748 := $(aaaa + aa) \times (a + a) / ((a + a + a) \times a)$.
 749 := $((aaaa + aa + a) \times (aa + aa) / aa + a) / (a + a + a)$.
 750 := $(aaaa - aaaa) \times (a + a + a) / ((a + a) \times (a + a))$.
 751 := $(aaaaaa \times (a + a + a) / aaaa + a) / (a + a + a + a)$.
 752 := $((aa + a + a + a + a) \times aaaa / aa - aa) / (a + a)$.
 753 := $(aaaa \times (aa + a) / (a + a) + aaaa) / (aa - a - a)$.
 754 := $(aaaa + aa + aa - a - a) \times (a + a) / ((a + a + a) \times a)$.
 755 := $((aaa - aa) / (a + a) + aaaa / aa) \times (aa - a) / (a + a)$.
 756 := $((aa - a - a - a) \times aaa - (aa + a) \times aa) / (a \times a)$.
 757 := $((aa - a - a) \times aaa - (aa + aa) \times aa) / (a \times a)$.
 758 := $((aa + a + a + a + a) \times aaaa / aa + a) / (a + a)$.
 759 := $(aa + aa + aa) \times (aa + aa + a) / (a \times a)$.
 760 := $(aaa / (a + a + a) \times aa + aaaa + a + a) / (a + a)$.
 761 := $((aaa + aa) \times aa / (a + a) + aaaa - aa - aa + a) / a$.
 762 := $((aaaa - a) \times aa / (a + a) - aa + a + a) / (aa - a - a - a)$.
 763 := $(aa + aa - a) \times (aaa - a - a) / ((a + a + a) \times a)$.
 764 := $((aaa - a - a) \times (aa + a) / (a + a) + aaaa - a) / a$.
 765 := $((aaa - a - a) \times (aa + a) / (a + a) + aaaa) / a$.
 766 := $(aaaa - aaaa - aaaa - aaaa - aa - a) / a$.
 767 := $(aaaa - aaaa - aaaa - aaaa - aa) / a$.
 768 := $(aaaa - aaaa - aaaa - aaaa - aa + a) / a$.
 769 := $(aaaaa - aaaa - a - a - a) / (aa + a + a)$.
 770 := $(aa + aa - a) \times (aaa - a) / ((a + a + a) \times a)$.
 771 := $((aaa + aa) \times aa / (a + a) + aaaa - aa) / a$.
 772 := $((aaa + aa) \times aa / (a + a) + aaaa - aa + a) / a$.
 773 := $((aaa + aa) \times aa / (a + a) + aaaa - aa + a + a) / a$.
 774 := $(aaaa + aaaa + aaaa - aa) / (a + a + a)$.
 775 := $(aaaa - aaaa - aaaa - aaaa - a - a - a) / a$.
 776 := $(aaaa - aaaa - aaaa - aaaa - a - a) / a$.
 777 := $(aa - a - a - a - a) \times aaaa / (a \times a)$.
 778 := $(aaaa - aaaa - aaaa - aaaa) / a$.
 779 := $(aaaa - aaaa - aaaa - aaaa + a) / a$.
 780 := $(aaa - aa - aa - aa) \times (aa - a) / (a \times a)$.
 781 := $(aaaa + aaaa + aaaa + aa - a) / (a + a + a)$.
 782 := $((aaa + aa) \times aa / (a + a) + aaaa) / a$.
 783 := $((aaa + a) \times (aa + a) / (a + a) + aaaa) / a$.
 784 := $(aa + aa - a) \times (aaa + a) / ((a + a + a) \times a)$.
 785 := $(aaaaa - aaaa - aa + a) / (aa + a + a + a)$.
 786 := $((aa - a - a - a) \times aaaa / aa - aa - aa) / a$.
 787 := $(aaaa - aaaa - aaaa - aaaa + aa - a - a) / a$.
 788 := $(aaaa - aaaa - aaaa - aaaa + aa - a) / a$.
 789 := $(aaaa - aaaa - aaaa - aaaa + aa) / a$.
 790 := $(aaaa - aaaa - aaaa - aaaa + aa + a) / a$.
 791 := $(aaa + a + a) \times (aa + aa - a) / ((a + a + a) \times a)$.
 792 := $(aa + a) \times (aa + a) \times aa / ((a + a) \times a \times a)$.
 793 := $(aaa + aa) \times (aa + a + a) / ((a + a) \times a)$.
 794 := $((aaa + aa) \times (aa + a + a) / (a + a) + a) / a$.
 795 := $(aaaa + a + a) \times (aa - a) / ((aa + a + a + a) \times a)$.
 796 := $((aa - a - a - a) \times aaaa / aa - aa - a) / a$.
 797 := $((aa - a - a - a) \times aaaa / aa - aa) / a$.
 798 := $(aaa + aa + aa) \times (aa + a) / ((a + a) \times a)$.
 799 := $(aaaa \times (aa - a - a) / aa - aaaa + a) / a$.
 800 := $(aa - aaaa) \times (a - aa + a + a) / (a \times a)$.
 801 := $(aaa - aa - aa) \times (aa - a - a) / (a \times a)$.
 802 := $((aa + aa) \times aaaa / (a + a + a) - aa - a) / a$.
 803 := $((aa + aa) \times aaaa / (a + a + a) - aa) / a$.
 804 := $((aa + aa) \times aaaa / (a + a + a) - aa + a) / a$.
 805 := $((aa - a - a - a) \times aaaa / aa - a - a - a) / a$.
 806 := $((aa - a - a - a) \times aaaa / aa - a - a) / a$.
 807 := $((aa - a - a - a) \times aaaa / aa - a) / a$.
 808 := $(aa - a - a - a) \times aaaa / (aa \times a)$.
 809 := $((aa - a - a - a) \times aaaa / aa + a) / a$.
 810 := $((aa - a - a - a) \times aaaa / aa + a + a) / a$.
 811 := $((aa + aa) \times aaaa / (a + a + a) - a - a - a) / a$.
 812 := $((aa + aa) \times aaaa / (a + a + a) - a - a) / a$.
 813 := $((aa + aa) \times aaaa / (a + a + a) - a) / a$.
 814 := $(aa + aa) \times aaaa / (a + a + a) / a$.
 815 := $((aa + aa) \times aaaa / (a + a + a) + a) / a$.
 816 := $(aaa / (a + a + a) \times aa + a) \times (a + a) / (a \times a)$.
 817 := $(aaaaaa + a) / (aaaa + aa + aa + a + a + a)$.
 818 := $(aaa / (a + a + a) \times aa + a + a) \times (a + a) / (a \times a)$.
 819 := $((aa - a - a - a) \times aaaa / aa + aa) / a$.
 820 := $((aa - a - a - a) \times aaaa / aa + aa + a) / a$.
 821 := $((aa - a - a - a) \times aaaa / aa + aa + a + a) / a$.
 822 := $(aaaa + aaaa + aa) \times (a + a) / ((a + a + a) \times a)$.
 823 := $((aaaaa + a) / (a + a + a) \times (a + a) - a) / (aa - a - a)$.
 824 := $((aaaa + aa) \times (aa - a) / (aa + a) - aaaa) / a$.
 825 := $(aaaa - aa) \times (a + a + a) / ((a + a) \times (a + a))$.
 826 := $(aaaaa + a) / (aa + a) - (aaaa - aa) / aa$.
 827 := $((aaa - a) \times aa / (a + a) + aaaa + aaaa) / a$.
 828 := $((aaa - a) \times aa / (a + a) + aaaa + aaaa + a) / a$.
 829 := $((aa - a - a - a) \times aaaa / aa + aa + aa - a) / a$.
 830 := $((aa + a) \times (aa + a) / (a + a) + aa) \times (aa - a) / (a \times a)$.
 831 := $(a - aaaa + a + a) \times (a - aa + a) / ((aa + a) \times a)$.
 832 := $(aaaa \times (aa + a) / (a + a) - aa + a) / (aa - a - a - a)$.
 833 := $(aaaaa - aaaa - a - a - a - a) / (aa + a)$.
 834 := $(aaaa + a) \times (a + a + a) / (a + a) / (a + a)$.
 835 := $(aaa - aaaa - a - a) \times (a - aa) / ((aa + a) \times a)$.
 836 := $(aaa + a + a + a) \times (aa + aa) / ((a + a + a) \times a)$.
 837 := $((aaa - a) \times aa / (a + a) + aaaa + aaaa + aa - a) / a$.
 838 := $((aaa - a) \times aa / (a + a) + aaaa + aaaa + aa) / a$.
 839 := $((aaa + a) \times (aa + a + a) / (a + a) + aaaa) / a$.
 840 := $(aaa + aaaa - aa - a) \times (aa + a) / ((a + a + a) \times a)$.
 841 := $((aaaa + aa) \times (a + a + a) / (a + a) - a) / (a + a)$.
 842 := $((aaa + aa) \times (aa + a) / (a + a) + aaaa - a) / a$.
 843 := $((aaa + aa) \times (aa + a) / (a + a) + aaaa) / a$.
 844 := $(aaa + aaaa - aa) \times (aa + a) / ((a + a + a) \times a)$.
 845 := $((aaa + aa) \times aaaa / (a + a) - aa) / (aa - a - a - a)$.
 846 := $(aaaaa - aaaa - a - a) / (aa + a + a)$.
 847 := $(aaaaa - aaaa + aa) / (aa + a + a)$.
 848 := $((aaaaa - aa) / (aa + a) \times aa + a) / (aa + a)$.
 849 := $((aaaaa + a) / (aa + a) \times aa + a + a) / (aa + a)$.
 850 := $((aa + aa + a) \times aaaa / (a + a + a) - a) / a$.
 851 := $(aa + aa + a) \times aaaa / ((a + a + a) \times a)$.
 852 := $((aa + aa + a) \times aaaa / (a + a + a) + a) / a$.
 853 := $(aaaaa - aa - aa) / (aa + a + a)$.

- 854 := $(aaaaa - aa + a + a)/(aa + a + a)$.
 855 := $(aaaaa + a + a + a + a)/(aa + a + a)$.
 856 := $(aaaa - aaa - aaa - aa - aa - aa)/a$.
 857 := $((aaa - a) \times aa/(a + a) + aaaa - a - a)/(a + a)$.
 858 := $(aaa - aa - aa - aa) \times aa/(a \times a)$.
 859 := $((aaa - a) \times aa/(a + a) + aaaa + a + a)/(a + a)$.
 860 := $(aaaa - aa - aa - a - a - a) \times (aaa - a)/(aa \times a)$.
 861 := $(aaa + aa + a) \times (aa + aa - a)/(a + a + a) \times a$.
 862 := $((aa + aa + a) \times aaa/(a + a + a) + aa)/a$.
 863 := $((aaa + a)/(a + a) \times aa + aaaa - a)/(a + a)$.
 864 := $(aa + a) \times (aa + a) \times (aa + a)/((a + a) \times a \times a)$.
 865 := $(aaaaa + a)/(aa + a) - (aaa + aa)/(a + a)$.
 866 := $(aaaa - aaa - aaa - aa - aa - a)/a$.
 867 := $(aaaa - aaa - aaa - aa - aa)/a$.
 868 := $(aaa + aa + a + a) \times (aa + aa - a)/((a + a + a) \times a)$.
 869 := $(aaaaa - aa)/(aa + a) - (aaa + a)/(a + a)$.
 870 := $(aaaaa + a)/(aa + a) - (aaa + a)/(a + a)$.
 871 := $(aaaaa + a)/(aa + a) - (aaa - a)/(a + a)$.
 872 := $(a - aa + a + a) \times (a - aaa + a)/(a \times a)$.
 873 := $(aaaaa + aaaa)/(aa + a + a + a)$.
 874 := $(aaaa - aaa - aaa - aa - a - a - a - a)/a$.
 875 := $(aaaa - aaa - aaa - aa - a - a - a - a)/a$.
 876 := $(aaaa - aaa - aaa - aa - a - a)/a$.
 877 := $(aaaa - aaa - aaa - aa - a)/a$.
 878 := $(aaaa - aaa - aaa - aa)/a$.
 879 := $(aaaa - aaa - aaa - aa + a)/a$.
 880 := $(a - aa + a + a) \times (a - aaa)/(a \times a)$.
 881 := $((a - aa + a + a) \times (a - aaa)/a + a)/a$.
 882 := $(aaa - aa - a - a) \times (aa - a - a)/(a \times a)$.
 883 := $(aaa \times (aa + a))/(a + a) + aaaa - aa)/(a + a)$.
 884 := $(aaa + aaa - a) \times (aa + a)/((a + a + a) \times a)$.
 885 := $(aaaa - aaa - aaa - a - a - a - a)/a$.
 886 := $(aaaa - aaa - aaa - a - a - a)/a$.
 887 := $(aaaa - aaa - aaa - a - a)/a$.
 888 := $(aa - a - a - a) \times aaa/(a \times a)$.
 889 := $(aaaa - aaa - aaa)/a$.
 890 := $(aaaa - aaa - aaa + a)/a$.
 891 := $(aaaa - aaa - aaa + a + a)/a$.
 892 := $(aaaa - aaa - aaa + a + a + a)/a$.
 893 := $(aaaa - aaa - aaa + a + a + a + a)/a$.
 894 := $(aaa \times (aa + a)/(a + a) + aaaa + aa)/(a + a)$.
 895 := $(aaaa - aaa - aaa)/a + (aa + a)/(a + a)$.
 896 := $(aa - a - a - a) \times (aaa + a)/(a \times a)$.
 897 := $(aaaaa - aaaa - aaa - aa - aa)/aa$.
 898 := $(aaaaa - aaaa - aaa - aa)/aa$.
 899 := $(aaaaa - aaaa - aaa)/aa$.
 900 := $(aa - aaa) \times (a - aa + a)/(a \times a)$.
 901 := $(aaaa - aaa - aaa + aa + a)/a$.
 902 := $(aaa + aa + a) \times (aa + aa)/((a + a + a) \times a)$.
 903 := $(aaaa - aaa - aaa + aa + a + a + a)/a$.
 904 := $(aaa + a + a) \times (aa - a - a - a)/(a \times a)$.
 905 := $(aaaa - (aaaa + aa + aa) \times (a + a)/aa)/a$.
 906 := $(aaaa \times (aa - a - a)/aa - a - a - a)/a$.
 907 := $(aaaa \times (aa - a - a)/aa - a - a)/a$.
 908 := $(aaaa \times (aa - a - a)/aa - a)/a$.
 909 := $aaaa \times (aa - a - a)/aa/a$.
 910 := $(aaaa \times (aa - a - a)/aa + a)/a$.
 911 := $(aaaa - aaa - aaa + aa + aa)/a$.
 912 := $(aaa + a + a + a) \times (aa - a - a - a)/(a \times a)$.
 913 := $(aaa + aaa + aaa - a) \times aa/(a + a)/(a + a)$.
 914 := $((aaa + a) \times aaa/(aa + a) - aaa - aa)/a$.
 915 := $(aaaaa - aa)/(aa + a) - (aaa - a)/aa$.
 916 := $((aaaa + aaa) \times (a + a + a)/(a + a) - a)/(a + a)$.
 917 := $((aaaa + aaa) \times (a + a + a)/(a + a + a))/(a + a)$.
 918 := $(aaaa + aa) \times (aa - a - a)/(aa \times a)$.
 919 := $(aaaa \times (aa - a - a)/aa + aa - a)/a$.
 920 := $(aaaa \times (aa - a - a)/aa + aa)/a$.
 921 := $(aaaa \times (aa - a - a)/aa + aa + a)/a$.
 922 := $(aaaa \times (aa - a - a)/aa + aa + a + a)/a$.
 923 := $(aaaaa - aa - aa - aa - a - a)/(aa + a)$.
 924 := $(aaaaa - aa - aa - a)/(aa + a)$.
 925 := $(aaaaa - aa)/(aa + a)$.
 926 := $(aaaaa + a)/(aa + a)$.
 927 := $(aaaaa + a)/(aa + a) + a/a$.
 928 := $(aaaaa + aa + aa + a + a + a)/(aa + a)$.
 929 := $((aaaa + aa) \times (aa - a - a)/aa + aa)/a$.
 930 := $(aaaaa - aa)/(aa + a) + (aa - a)/(a + a)$.
 931 := $(aaaaa + a)/(aa + a) + (aa - a)/(a + a)$.
 932 := $(aaaaa + a)/(aa + a) + (aa + a)/(a + a)$.
 933 := $((aa - aaa + aa) \times (aa + aa)/aa + aaaa)/a$.
 934 := $((aaaa + aa) \times (aa - a)/(aa + a) - a)/a$.
 935 := $(aaaa + aa) \times (aa - a)/(aa + a)/a$.
 936 := $(aaaaa + aaa + aa - a)/(aa + a)$.
 937 := $(aaaaa + aaa + aa + aa)/(aa + a)$.
 938 := $(aaa + aa + aa + a) \times (aa + aa - a)/((a + a + a) \times a)$.
 939 := $(aaaaa + aa + aa + a + a + a)/(aa + a) + aa/a$.
 940 := $(aaaa + aaaa)/(aa + a + a) \times (aa - a)/a$.
 941 := $(aaaaa + aaaa + aa)/(aa + a + a)$.
 942 := $((aaaa - a) \times (aaa + a)/(aa + a) + a + a)/aa$.
 943 := $(aaa + aa + a) \times (aa + aa + a)/((a + a + a) \times a)$.
 944 := $((aaaaa - aaa) \times (a + a)/aa - aaa - a)/(a + a)$.
 945 := $aaaaaa/aaa - (aaa + a)/(a + a)$.
 946 := $(aaa - aa - aa - a - a - a) \times aa/(a \times a)$.
 947 := $((aaa + a) \times aaa - aa \times aa)/(aa + a + a) \times a$.
 948 := $((aaa + aa) \times aaaa/aa + a + a)/(aa + a + a)$.
 949 := $(aaaaa - a)/aa - (aaa + aa)/(a + a)$.
 950 := $(aaa + a + a + a) \times (aaa - aa)/((aa + a) \times a)$.
 951 := $((aaa + a + a) \times aaaa/aa - a)/(aa + a)$.
 952 := $(aa + aa + aa + a) \times (aaa + a)/(a + a)/(a + a)$.
 953 := $(aaaaa - aa - a)/aa - (aaa + a)/(a + a)$.
 954 := $(aaaaa - a)/aa - (aaa + a)/(a + a)$.
 955 := $(aaaaa - a)/aa - (aaa - a)/(a + a)$.
 956 := $(aaaa - aaa - aa - aa - aa - aa)/a$.
 957 := $(aaa - aa - aa - a - a) \times aa/(a \times a)$.
 958 := $(aaa - aa - aa - a - a) \times aaaa/aa + a + a$.
 959 := $((aa + aa - a - a - a) \times aaaa/aa - a)/(a + a)$.
 960 := $(aaa - aa - a - a - a - a) \times (aa - a)/(a \times a)$.
 961 := $(aaaaaa/(aa + aa - a) \times (a + a) - aa)/aa$.
 962 := $(aaa + aaaa) \times (aa + a + a)/((a + a + a) \times a)$.
 963 := $(aaa - a - a - a - a) \times (aa - a - a)/(a \times a)$.
 964 := $aaaaaa/aaa - aaaa/(a + a + a)$.
 965 := $(aaaa - aaa - aa - aa - aa - a - a)/a$.
 966 := $(aaaa - aaa - aa - aa - aa - a)/a$.
 967 := $(aaaa - aaa - aa - aa - aa)/a$.
 968 := $(aaa - aa - aa - a) \times aa/(a \times a)$.
 969 := $(aaa + a + a + a) \times (aaaa + aa)/aa/(aa + a)$.
 970 := $(aaa - aa - a - a - a) \times (aaa - a)/(aa \times a)$.
 971 := $(aaaaa + aaaa + aaa)/(aa + aa + a)$.
 972 := $(a - aaa + a + a) \times (a - aa + a)/(a \times a)$.
 973 := $(aaaaa - a)/aa - aaaa/(a + a + a)$.
 974 := $(aaaaa - a)/aa - aaaa/(a + a + a) + a/a$.
 975 := $(aaaa - aaa - aa - aa - a - a - a)/a$.
 976 := $(aaa + aa) \times (aa - a - a - a)/(a \times a)$.
 977 := $(aaaa - aaa - aa - aa - a)/a$.
 978 := $(aaaa - aaa - aa - aa)/a$.
 979 := $(aaa - aa - aa) \times aa/(a \times a)$.
 980 := $(aaa - aa - a - a) \times (aaa - a)/(aa \times a)$.
 981 := $(a - aaa + a) \times (a - aa + a)/(a \times a)$.

- 982 := $(a - aaa + a) \times (a - aa + a)/(a \times a) + a/a$.
 983 := $(a - aaa + a) \times (a - aa + a)/(a \times a) + (a + a)/a$.
 984 := $(aaa + aa + a) \times (aa - a - a - a)/(a \times a)$.
 985 := $(aaaa - aaa - aa - a - a - a - a)/a$.
 986 := $(aaaa - aaa - aa - a - a - a - a)/a$.
 987 := $(aaaa - aaa - aa - a - a - a - a)/a$.
 988 := $(aaaa - aaa - aa - a - a - a - a)/a$.
 989 := $(aaaa - aaa - aa - a - a - a - a)/a$.
 990 := $(aaaa - aaa - aa + a + a)/a$.
 991 := $(aaaa - aaa - aa + a + a)/a$.
 992 := $(aaaa - aaa - aa + a + a + a)/a$.
 993 := $(aaaa - aaa - aa + a + a + a + a)/a$.
 994 := $(aaaa - aaa)/a - (aa + a)/(a + a)$.
 995 := $(aaaa - aaa - a - a - a - a - a - a)/a$.
 996 := $(aaaa - aaa - a - a - a - a - a - a)/a$.
 997 := $(aaaa - aaa - a - a - a - a - a - a)/a$.
 998 := $(aaaa - aaa - a - a - a - a - a - a)/a$.
 999 := $(aaaa - aaa - a - a - a - a - a - a)/a$.
 1000 := $(aaaa - aaa)/a$.
 1001 := $(aaaa - aaa + a)/a$.
 1002 := $(aaaa - aaa + a + a)/a$.
 1003 := $(aaaa - aaa + a + a + a)/a$.
 1004 := $(aaaa - aaa + a + a + a + a)/a$.
 1005 := $(aaaaa - a)/aa - (aa - a)/(a + a)$.
 1006 := $aaaaaa/aaa + (aa - a)/(a + a)$.
 1007 := $(aaaaa - aa - aa - aa - a)/aa$.
 1008 := $(aaa + a) \times (aa - a - a)/(a \times a)$.
 1009 := $(aaaaa - aa - a)/aa$.
 1010 := $(aaaaa - a)/aa$.
 1011 := $(aaaa - aaa + aa)/a$.
 1012 := $(aaaa - aaa + aa + a)/a$.
 1013 := $(aaaa - aaa + aa + a + a)/a$.
 1014 := $(aaaa - aaa + aa + a + a + a)/a$.
 1015 := $(aaaaa - a)/aa + (aa - a)/(a + a)$.
 1016 := $(aaaaa - a)/aa + (aa + a)/(a + a)$.
 1017 := $(aaa + a + a) \times (aa - a - a)/(a \times a)$.
 1018 := $((aaa + a + a) \times (aa - a - a)/a + a)/a$.
 1019 := $((aaa + a + a) \times (aa - a - a)/a + a + a)/a$.
 1020 := $(aaaaa + aaa - a - a)/aa$.
 1021 := $(aaaa - aaa + aa + aa - a)/a$.
 1022 := $(aaaa - aaa + aa + aa + aa)/a$.
 1023 := $(aaaa - aaa + aa + aa + a)/a$.
 1024 := $(aaaa - aaa + aa + aa + a + a)/a$.
 1025 := $((aaa + a) \times aaa/(aa + a) - aa)/a$.
 1026 := $(aaa + a + a + a) \times (aa - a - a)/(a \times a)$.
 1027 := $(aaa/(a + a + a) \times aaa + a)/(a + a + a + a)$.
 1028 := $((aaaa + aa) \times (aa + aa)/(aa + a) - a)/(a + a)$.
 1029 := $((aaaa + aa + aa) \times (aa - a)/aa - a)/a$.
 1030 := $(aaaa + aa + aa) \times (aa - a)/(aa \times a)$.
 1031 := $(aaaa - aaa + aa + aa + aa - a - a)/a$.
 1032 := $(aaaa - aaa + aa + aa + aa - a - a)/a$.
 1033 := $(aaaa - aaa + aa + aa + aa + aa)/a$.
 1034 := $((aaa + a) \times aaa/(aa + a) - a - a)/a$.
 1035 := $((aaa + a) \times aaa/(aa + a) - a)/a$.
 1036 := $(aaa + a) \times aaa/(aa + a) \times a$.
 1037 := $((aaa + a) \times aaa/(aa + a) + a)/a$.
 1038 := $((aaa + a) \times aaa/(aa + a) + a + a)/a$.
 1039 := $(aaaa - (aa + a) \times (aa + a)/(a + a))/a$.
 1040 := $(aaaa + aa + aa + aa) \times (aa - a)/(aa \times a)$.
 1041 := $((aaaa + aa + aa) \times (aa - a)/aa + aa)/a$.
 1042 := $(aaaa - aaa + aa + aa + aa + aa - a - a)/a$.
 1043 := $(aaaa - aaa + aa + aa + aa + aa - a - a)/a$.
 1044 := $(aaaa - aaa + aa + aa + aa + aa + aa)/a$.
 1045 := $(aaaa - (aa + a) \times aa/(a + a))/a$.
 1046 := $(aaaa - (aa + a) \times aa/(a + a) + a)/a$.
 1047 := $((aaa + a) \times aaa/(aa + a) + aa)/a$.
 1048 := $((aaa + a) \times aaa/(aa + a) + aa + a)/a$.
 1049 := $(aaaa + aaaa - aaa - aa - a - a - a)/(a + a)$.
 1050 := $(aaaa + aaaa - aaa - aa)/(a + a)$.
 1051 := $aaaaaa/aaa + (aaa - aa)/(a + a)$.
 1052 := $(aaaaa - a)/(aa + a) + (aaa - aa)/(a + a) + a/a$.
 1053 := $((aaaa - a) \times aaa/(aa - a - a - a - a)/(aa + a + a))$.
 1054 := $(aaaa + aaaa - aaa - a - a - a - a)/(a + a)$.
 1055 := $(aaaa + aaaa - aaa - a)/(a + a)$.
 1056 := $(aaaa + aaaa - aaa + a)/(a + a)$.
 1057 := $aaaaaa/aaa + (aaa + a)/(a + a)$.
 1058 := $((aaa + a) \times aaa/(aa + a) + aa + aa)/a$.
 1059 := $(aaaaa - aa - a)/aa + (aaa - aa)/(a + a)$.
 1060 := $(aaaaa - a)/aa + (aaa - aa)/(a + a)$.
 1061 := $(aaaa + aaaa - aaa + aa)/(a + a)$.
 1062 := $aaaaaa/aaa + (aaa + aa)/(a + a)$.
 1063 := $(aaaaa - aaaa)/(aa - a) - aaaa/(a + a + a)$.
 1064 := $(aaa + a + a + a) \times (aaa + a)/(aa + a) \times a$.
 1065 := $(aaaaa - a)/aa + (aaa - a)/(a + a)$.
 1066 := $(aaaa - aa - aa - aa - aa - a)/a$.
 1067 := $(aaaa - aa - aa - aa - aa)/a$.
 1068 := $(aaa - aa - aa) \times (aa + a)/(a \times a)$.
 1069 := $(aaaa - aa - aa - aa - aa + a + a)/a$.
 1070 := $(aaa - a - a - a - a) \times (aa - a)/(a \times a)$.
 1071 := $(aaaa + aa) \times (aa + aa - a)/(aa \times (a + a))$.
 1072 := $(aaaa - aaa + aa)/(aa + aa + aa) - a - a)/a$.
 1073 := $(aaaa - aaa + aa)/(aa + aa + aa) - a)/a$.
 1074 := $(aaaa - aaa + aa)/(aa + aa + aa)/a$.
 1075 := $(aaaa - aa - aa - aa - a - a - a - a)/a$.
 1076 := $(aaaa - aa - aa - aa - a - a - a - a)/a$.
 1077 := $(aaaa - aa - aa - aa - a)/a$.
 1078 := $(aaaa - aa - aa - aa)/a$.
 1079 := $(aaaa - aa - aa - aa + a)/a$.
 1080 := $(aaa - a - a - a) \times (aa - a)/(a \times a)$.
 1081 := $(aaaa - aa - aa - aa + a + a + a)/a$.
 1082 := $(aaaa - aa - aa - aa + a + a + a + a)/a$.
 1083 := $(aaaaa \times (aa + a)/(aaa + aa + a) - a)/a$.
 1084 := $aaaaa \times (aa + a)/(aaa + aa + a)/a$.
 1085 := $(aaaaa \times (aa + a)/(aaa + aa + a) + a)/a$.
 1086 := $(aaaa - aa - aa - aa - a - a - a - a)/a$.
 1087 := $(aaaa - aa - aa - aa - a - a - a - a)/a$.
 1088 := $(aaaa - aa - aa - a)/a$.
 1089 := $(aaaa - aa - aa)/a$.
 1090 := $(aaaa - aa - aa + a)/a$.
 1091 := $(aaaa - aa - aa + a + a)/a$.
 1092 := $(aaaa - aa - aa + a + a + a)/a$.
 1093 := $(aaaa - aa - aa + a + a + a + a)/a$.
 1094 := $(aaaa - aa - a - a - a - a - a - a - a)/a$.
 1095 := $(aaaa - aa - a - a - a - a - a - a - a)/a$.
 1096 := $(aaaa - aa - a - a - a - a - a - a - a)/a$.
 1097 := $(aaaa - aa - a - a - a - a - a - a - a)/a$.
 1098 := $(aaaa - aa - a - a - a - a - a - a - a)/a$.
 1099 := $(aaaa - aa - a)/a$.
 1100 := $(aaaa - aa)/a$.
 1101 := $(aaaa - aa + a)/a$.
 1102 := $(aaaa - aa + a + a)/a$.
 1103 := $(aaaa - aa + a + a + a)/a$.
 1104 := $(aaaa - aa + a + a + a + a)/a$.
 1105 := $(aaaa - a - a - a - a - a - a - a - a - a)/a$.
 1106 := $(aaaa - a - a - a - a - a - a - a - a - a)/a$.
 1107 := $(aaaa - a - a - a - a - a - a - a - a - a)/a$.
 1108 := $(aaaa - a - a - a - a - a - a - a - a - a)/a$.
 1109 := $(aaaa - a - a - a - a - a - a - a - a - a)/a$.

- 1110 := $(aaaa - a)/a$.
 1111 := $aaaa/a$.
 1112 := $(aaaa + a)/a$.
 1113 := $(aaaa + a + a)/a$.
 1114 := $(aaaa + a + a + a)/a$.
 1115 := $(aaaa + a + a + a + a)/a$.
 1116 := $(aaaa + aaaa + aa - a)/(a + a)$.
 1117 := $(aaaa + aaaa + aa + a)/(a + a)$.
 1118 := $(aaaa + aa - a - a - a - a)/a$.
 1119 := $(aaaa + aa - a - a - a)/a$.
 1120 := $(aaaa + aa - a - a)/a$.
 1121 := $(aaaa + aa - a)/a$.
 1122 := $(aaaa + aa)/a$.
 1123 := $(aaaa + aa + a)/a$.
 1124 := $(aaaa + aa + a + a)/a$.
 1125 := $(aaaa + aa + a + a + a)/a$.
 1126 := $(aaaa + aa + a + a + a + a)/a$.
 1127 := $(aaaa + aa + a + a + a + a + a)/a$.
 1128 := $(aaaa + aa)/a + (aa + a)/(a + a)$.
 1129 := $(aaaa + aa + a)/a + (aa + a)/(a + a)$.
 1130 := $(aaa + a + a) \times (aa - a)/(a \times a)$.
 1131 := $(aaaa + aa + aa - a - a)/a$.
 1132 := $(aaaa + aa + aa - a)/a$.
 1133 := $(aaaa + aa + aa)/a$.
 1134 := $(aaaa + aa + aa + a)/a$.
 1135 := $(aaaa + aa + aa + a + a)/a$.
 1136 := $(aaaa + aa + aa + a + a + a)/a$.
 1137 := $(aaaa + aa + aa + a + a + a + a)/a$.
 1138 := $(aaaa + aa + aa)/a + (aa - a)/(a + a)$.
 1139 := $(aaaa + aa + aa)/a + (aa + a)/(a + a)$.
 1140 := $(aaa + a + a + a) \times (aa - a)/(a \times a)$.
 1141 := $(aaaa + aa + aa + aa - a - a - a)/a$.
 1142 := $(aaaa + aa + aa + aa - a - a)/a$.
 1143 := $(aaaa + aa + aa + aa - a)/a$.
 1144 := $(aaaa + aa + aa + aa)/a$.
 1145 := $(aaaa + aa + aa + aa + a)/a$.
 1146 := $(aaaa + aa + aa + aa + a + a)/a$.
 1147 := $((aaa + a) \times aaa)/(aa + a) + aaa/a$.
 1148 := $(aaa + aa + a) \times (aaa + a)/(aa + a)/a$.
 1149 := $((aaa + a) \times aaa)/(aa + a) + aaa + a + a)/a$.
 1150 := $(aaa + a + a + a + a) \times (aa - a)/(a \times a)$.
 1151 := $(aaaa + aa + aa + aa + aa - a - a - a - a)/a$.
 1152 := $(aaaa + aa + aa + aa + aa - a - a - a)/a$.
 1153 := $(aaaa + aa + aa + aa + aa - a - a)/a$.
 1154 := $(aaaa + aa + aa + aa + aa - a)/a$.
 1155 := $(aaaa + aa + aa + aa + aa)/a$.
 1156 := $(aaaa + aa + aa + aa + aa + a)/a$.
 1157 := $(aaaa + aa + aa + aa + aa + a + a)/a$.
 1158 := $((aaa + a) \times aaa)/(aa + a) + aaa + aa)/a$.
 1159 := $(aaa + a + a + a) \times (aaa + aa)/(aa + a) \times a$.
 1160 := $(aaaaa - (aaa + aa) \times aa)/(a + a)/(aa - a - a)$.
 1161 := $(aaaa + aaaa + aaaa - aa)/(a + a)$.
 1162 := $((aa + aa + a) \times aaaa)/(aa + a)/(a + a)$.
 1163 := $(aaa - aa - a - a - a) \times (aa + a)/(a \times a) - a/a$.
 1164 := $(aaa - aa - a - a - a) \times (aa + a)/(a \times a)$.
 1165 := $(aaaa + aa + aa + aa + aa + aa - a)/a$.
 1166 := $(aaaa + aaaa + aaaa - a)/(a + a)$.
 1167 := $(aaaa + aaaa + aaaa + a)/(a + a)$.
 1168 := $(aaaa + aaaa + aaaa + a + a + a)/(a + a)$.
 1169 := $(aaaa - aaaa + a + a) \times (aa + a + a + a)/(aa + a) \times a$.
 1170 := $(aaa + aaaa + aa + a) \times (aaa - a)/(aa + a) \times aa$.
 1171 := $(aaaa + aaaa + aaaa + aa - a - a)/(a + a)$.
 1172 := $(aaaa + aaaa + aaaa + aa)/(a + a)$.
 1173 := $(aaaa + aa) \times (aa + aa + a)/(a + a) \times aa$.
 1174 := $((aaaa + aa) \times (aa + aa + a)/(a + a) + aa)/aa$.
 1175 := $(aaa \times aa - (aa + aa + a) \times (a + a))/(a \times a)$.
 1176 := $(aaa - aa - a - a) \times (aa + a)/(a \times a)$.
 1177 := $(aaa - a - a - a - a) \times aa/(a \times a)$.
 1178 := $(aaaa + aaaa - aa - aa - aa - aa)/a$.
 1179 := $((a - aa - aa) \times (a + a) + aaaa \times aa)/(a \times a)$.
 1180 := $(aaa + aa - aa - a - a - a - a) \times (aaa - aa)/(aa - a) \times a$.
 1181 := $(aaa - a - a - a - a - a) \times (aa - a)/(a \times a) + aaaa/a$.
 1182 := $(aaa \times aa - (aa + a + a) \times (a + a + a))/(a \times a)$.
 1183 := $aaaaaa \times (aa + a + a)/(aaa \times aa)$.
 1184 := $(aa + aa + aa - a) \times aaaa/(aa + a + a) \times a$.
 1185 := $(aaa \times aa - (a + a + a) \times (aa + a))/(a \times a)$.
 1186 := $(aaaa + aaaa - aa - aa - aa - a - a - a)/a$.
 1187 := $(aaaa + aaaa - aa - aa - aa - a - a)/a$.
 1188 := $(aaa - a - a - a) \times aa/(a \times a)$.
 1189 := $(aaaa + aaaa - aa - aa - aa)/a$.
 1190 := $(aaaa \times (aa + a)/aa - aa - aa)/a$.
 1191 := $((a - aa) \times (a + a + a) + aaaa \times aa)/(a \times a)$.
 1192 := $(aaaa \times (aa + a) - (aaa - a) \times (a + a))/(aa \times a)$.
 1193 := $(aaaaaa \times (aa + a)/aaa + aaaa)/aa$.
 1194 := $(aa + a) \times (aaa + aaaa - aa - aa - a)/(a \times (a + a))$.
 1195 := $(aaa \times aa - (aa + a + a) \times (a + a))/(a \times a)$.
 1196 := $(aaaa - aaaa + aa + a) \times (aa + a + a)/(aa \times a)$.
 1197 := $(aaaa + aaaa - aa - aa - a - a - a)/a$.
 1198 := $(aaaa + aaaa - aa - aa - a - a)/a$.
 1199 := $(aaa - a - a) \times aa/(a \times a)$.
 1200 := $(aaa - aa) \times (aa + a)/(a \times a)$.
 1201 := $(aaaa \times (aa + a)/aa - aa)/a$.
 1202 := $(aaaa \times (aa + a)/aa - aa + a)/a$.
 1203 := $(aaaa \times (aa + a)/aa - aa + a + a)/a$.
 1204 := $(aaaa \times (aa + a)/aa - aa + a + a + a)/a$.
 1205 := $((aa + aa) \times aa/a - a) \times (aa - a)/(a \times (a + a))$.
 1206 := $(aaa + aa + aa + a) \times (aa - a - a)/(a \times a)$.
 1207 := $(aaaa + aaaa - aa - a - a - a - a)/a$.
 1208 := $(aaaa + aaaa - aa - a - a - a)/a$.
 1209 := $(aaaa + aaaa - aa - a - a)/a$.
 1210 := $(aaa - a) \times aa/(a \times a)$.
 1211 := $(aaaa + aaaa - aa)/a$.
 1212 := $aaaa \times (aa + a)/aa/a$.
 1213 := $(aaaa \times (aa + a)/aa + a)/a$.
 1214 := $(aaaa \times (aa + a)/aa + a + a)/a$.
 1215 := $(aaaa \times (aa + a)/aa + a + a + a)/a$.
 1216 := $(aaaa + aaaa)/a - (aa + a)/(a + a)$.
 1217 := $(aaaa + aaaa)/a - (aa - a)/(a + a)$.
 1218 := $(aaaa + aaaa - a - a - a - a)/a$.
 1219 := $(aaaa + aaaa - a - a - a)/a$.
 1220 := $(aaaa + aaaa - a - a)/a$.
 1221 := $aaa \times aa/(a \times a)$.
 1222 := $(aaaa + aaaa)/a$.
 1223 := $(aaaa + aaaa + a)/a$.
 1224 := $(aaaa + aaaa + a + a)/a$.
 1225 := $(aaaa + aaaa + a + a + a)/a$.
 1226 := $(aaaa + aaaa + a + a + a + a)/a$.
 1227 := $aaa \times aa/(a \times a) + (aa + a)/(a + a)$.
 1228 := $(aaaa + aaaa)/a + (aa + a)/(a + a)$.
 1229 := $(aaaa + aaaa + aa - a - a - a - a)/a$.
 1230 := $(aaa + aa + a) \times (aaa - a)/(aa \times a)$.
 1231 := $(aaaa + aaaa + aa - a - a)/a$.
 1232 := $(aaa + a) \times aa/(a \times a)$.
 1233 := $(aaaa + aaaa + aa)/a$.
 1234 := $(aaaa + aaaa + aa + a)/a$.
 1235 := $(aaaa + aaaa + aa + a + a)/a$.
 1236 := $(aaaa + aaaa + aa + a + a + a)/a$.
 1237 := $(aaaaa + aa + aa)/(aa - a - a)$.

- 1238 := $(aaaaa + aa + aa + aa - a - a)/(aa - a - a)$.
 1239 := $((aaa - a - a) \times (aa + a) + aaa \times aaa)/(aa \times a)$.
 1240 := $(aaa + aa + a + a) \times (aa - a)/(a \times a)$.
 1241 := $((aaa + a + a) \times aa/a - a - a)/a$.
 1242 := $((aaa + a + a) \times aa/a - a)/a$.
 1243 := $(aaa + a + a) \times aa/(a \times a)$.
 1244 := $(aaaa + aaa + aa + aa)/a$.
 1245 := $(aaaa + aaa + aa + aa + a + a)/a$.
 1246 := $(aaaa + aaa + aa + aa + a + a)/a$.
 1247 := $((aa + a + a) \times (a + a) + aaa \times aa)/(a \times a)$.
 1248 := $(aaaaa + aaa + aa - a)/(aa - a - a)$.
 1249 := $((aaa + aa + a + a + a) \times (aa - a)/a - a)/a$.
 1250 := $(aaa + aa + a + a + a) \times (aa - a)/(a \times a)$.
 1251 := $((a + a + a) \times (aa - a) + aaa \times aa)/(a \times a)$.
 1252 := $((aaa + a + a + a) \times aa/a - a - a)/a$.
 1253 := $((aaa + a + a + a) \times aa/a - a)/a$.
 1254 := $(aaa + a + a + a) \times aa/(a \times a)$.
 1255 := $(aaaa + aaa + aa + aa + aa)/a$.
 1256 := $(aaaa + aaa + aa + aa + aa + a)/a$.
 1257 := $((a + a + a) \times (aa + a) + aaa \times aa)/(a \times a)$.
 1258 := $(aaa \times aaa)/(aa - a - a) - aaa/a$.
 1259 := $(aaa \times aaa)/(aa - a - a) - aaa + a)/a$.
 1260 := $(aaa \times aaa)/(aa - a - a) - aaa + a + a)/a$.
 1261 := $(aaa \times aaa)/(aa - a - a) - aaa + a + a + a)/a$.
 1262 := $((a + a + a) \times (aa - a) + (aaa + a) \times aa)/(a \times a)$.
 1263 := $((aa + aa - a) \times (a + a) + aaa \times aa)/(a \times a)$.
 1264 := $(aaaaa - aaaa + aaa + a)/(aa - a - a - a)$.
 1265 := $(aaa + a + a + a + a) \times aa/(a \times a)$.
 1266 := $(aaaa + aaa + aa + aa + aa + aa)/a$.
 1267 := $(aaaa + aaa + aa + aa + aa + aa + a)/a$.
 1268 := $((aaa + a + a) \times aaaa/aa - a)/(aa - a - a)$.
 1269 := $(aaa \times aaa)/(aa - a - a) - aaa + aa)/a$.
 1270 := $(aaa \times aaa)/(aa - a - a) - aaa + aa + a)/a$.
 1271 := $(aaa + aa + a + a) \times (aaa + aa + a)/(aa + a) \times a$.
 1272 := $((aaaaa - aa)/(aa + a) \times aa + a)/(aa - a - a - a)$.
 1273 := $(aaaaaa \times (aa + a + a + a)/aaa - aa)/aa$.
 1274 := $(aaa - aa - a - a) \times (aa + a + a)/(a \times a)$.
 1275 := $(aaaaaa \times (aa + a + a + a)/aaaa + aa)/aa$.
 1276 := $(aaa + aaaa + aa - a) \times (aa + aa)/(aa + a + a) \times a$.
 1277 := $(aaaaaa - aa - a)/(aaa - aa - aa - a - a)$.
 1278 := $((aa + aa - a) \times (aaa + aa)/(a + a) - a - a - a)/a$.
 1279 := $(aaaa + a)/(a + a + a + a) + aaaaa/aaa$.
 1280 := $((aa + aa - a) \times (aaa + aa)/(a + a) - a)/a$.
 1281 := $(aa + aa - a) \times (aaa + aa)/(aa + a) \times a$.
 1982 := $((aa + aa - a) \times (aaa + aa)/(aa + a) + a)/a$.
 1283 := $((aaaaa + a) \times (a + a + a)/(a + a) + aa)/(aa + a + a)$.
 1284 := $(aaa - a - a - a - a) \times (aa + a)/(a \times a)$.
 1985 := $(aaa - a - a - a - a) \times (aa + a)/(a \times a) + a/a$.
 1286 := $((aaaa + a) \times aaa/(aa + a) + a + a)/(aa - a - a - a)$.
 1287 := $(aaaa - aa - aa) \times (aa + a + a)/(aa \times a)$.
 1288 := $(aaa + a + a + a + a) \times (aaa + a)/((aa - a) \times a)$.
 1289 := $((aaaa - aa) \times (aa + a + a) - aa \times aa)/(aa \times a)$.
 1990 := $(aaaa/aa \times (a + a) + aaaa - aa - aa - a)/a$.
 1291 := $(aaaa/aa \times (a + a) + aaaa - aa - aa)/a$.
 1292 := $(aa + aa + aa + a) \times (aaa + a + a + a)/((a + a + a) \times a)$.
 1293 := $((aaaa - aaa + a)/aa \times (a + a) + aaaa)/a$.
 1994 := $((aaaa - aaa + a)/aa \times (a + a) + aaaa + a)/a$.
 1295 := $(aaaa - a) \times (aa + a + a + a)/(aa + a) \times a$.
 1296 := $(aaa - a - a - a) \times (aa + a)/(a \times a)$.
 1297 := $((aaa - a - a - a) \times (aa + a)/a + a)/a$.
 1298 := $((aaa - a - a - a) \times (aa + a)/a + a + a)/a$.
 1299 := $((aaa - aa) \times (aa + a + a)/a - a)/a$.
 1300 := $(aaa - aa) \times (aa + a + a)/(a \times a)$.
 1301 := $((aaaa - aa) \times (aa + a + a)/aa + a)/a$.
 1302 := $(aaaa \times (aa + a + a)/aa - aa)/a$.
 1303 := $(aaaa \times (aa + a + a)/aa - aa + a)/a$.
 1304 := $((aaaa + aa)/aa \times (a + a) + aaaa - aa)/a$.
 1305 := $((aaa - a - a) \times (aa + a)/a - a - a - a)/a$.
 1306 := $((aaa - a - a) \times (aa + a)/a - a - a)/a$.
 1307 := $((aaa - a - a) \times (aa + a)/a - a)/a$.
 1308 := $(aaa - a - a) \times (aa + a)/(a \times a)$.
 1309 := $((aaa - a - a) \times (aa + a)/a + a)/a$.
 1310 := $(aaaa + aaa + aaa - aa - aa - a)/a$.
 1311 := $(aaaa + aaa + aaa - aa - aa)/a$.
 1312 := $(aaaa \times (aa + a + a)/aa - a)/a$.
 1313 := $aaaa \times (aa + a + a)/(aa \times a)$.
 1314 := $(aaaa \times (aa + a + a)/aa + a)/a$.
 1315 := $(aaaa \times (aa + a + a)/aa + a + a)/a$.
 1316 := $((aaaa + aa)/aa \times (a + a) + aaaa + a)/a$.
 1317 := $((aaaa + aa + aa) \times (a + a)/aa + aaaa)/a$.
 1318 := $((aaaa - aa) \times (aa + a)/(aa - a) - a - a)/a$.
 1319 := $((aaaa - aa) \times (aa + a)/(aa - a) - a)/a$.
 1320 := $(aaaa - aa) \times (aa + a)/(aa - a) \times a$.
 1321 := $(aaaa + aaa + aaa - aa - a)/a$.
 1322 := $(aaaa + aaa + aaa - aa)/a$.
 1323 := $(aaaa + aaa + aaa - aa + a)/a$.
 1324 := $(aaaa + aaa + aaa - aa + a + a)/a$.
 1325 := $((aaaa + aa) \times (aa + a + a)/aa - a)/a$.
 1326 := $(aaaa + aa) \times (aa + a + a)/(aa \times a)$.
 1327 := $((aaaa + aa) \times (aa + a + a)/aa + a)/a$.
 1328 := $((aaa + aa - a) \times aa/a - a - a - a)/a$.
 1329 := $((aaa + aa - a) \times aa/a - a - a)/a$.
 1330 := $((aaa + aa - a) \times aa/a - a)/a$.
 1331 := $(aaa + aa - a) \times aa/(a \times a)$.
 1332 := $aaa \times (aa + a)/(a \times a)$.
 1333 := $(aaaa + aaa + aaa)/a$.
 1334 := $(aaaa + aaa + aaa + a)/a$.
 1335 := $(aaaa + aaa + aaa + a + a)/a$.
 1336 := $(aaaa + aaa + aaa + a + a + a)/a$.
 1337 := $(aaaa + aaa + aaa + a + a + a + a)/a$.
 1338 := $((aaa + aa) \times aa/a - a - a - a - a)/a$.
 1339 := $((aaa + aa) \times aa/a - a - a - a)/a$.
 1340 := $((aaa + aa) \times aa/a - a - a)/a$.
 1341 := $((aaa + aa) \times aa/a - a)/a$.
 1342 := $(aaa + aa) \times aa/(a \times a)$.
 1343 := $((aaa + aa) \times aa/a + a)/a$.
 1344 := $(aaa + a) \times (aa + a)/(a \times a)$.
 1345 := $(aaaa + aaa + aaa + aa + a)/a$.
 1346 := $(aaaa + aaa + aaa + aa + a + a)/a$.
 1347 := $(aaa \times aaa)/(aa - a - a) - aa - aa)/a$.
 1348 := $(aaa \times aaa)/(aa - a - a) - aa - aa + a)/a$.
 1349 := $((aaa + aa + a) \times aa/a - a - a - a - a)/a$.
 1350 := $((aaa + aa + a) \times aa/a - a - a - a)/a$.
 1351 := $((aaa + aa + a) \times aa/a - a - a)/a$.
 1352 := $((aaa + aa + a) \times aa/a - a)/a$.
 1353 := $(aaa + aa + a) \times aa/(a \times a)$.
 1354 := $((aaa + aa + a) \times aa/a + a)/a$.
 1355 := $((aaa + aa + a) \times aa/a + a + a)/a$.
 1356 := $(aaa + a + a) \times (aa + a)/(a \times a)$.
 1357 := $((aaa + a + a) \times (aa + a)/a - a)/a$.
 1358 := $(aaa \times aaa)/(aa - a - a) - aa)/a$.
 1359 := $(aaa \times aaa)/(aa - a - a) - aa + a)/a$.
 1360 := $(aaa \times aaa)/(aa - a - a) - aa + a + a)/a$.
 1361 := $((aaa + aa + a + a) \times aa/a - a - a - a)/a$.
 1362 := $((aaa + aa + a + a) \times aa/a - a - a)/a$.
 1363 := $((aaa + aa + a + a) \times aa/a - a)/a$.
 1364 := $(aaa + aa + a + a) \times aa/(a \times a)$.
 1365 := $(aaa + aa + a + a) \times aa/a + a)/a$.

- 1366 := $((aaa + aa + a + a) \times aa/a + a + a)/a$.
 1367 := $((aaa + a + a + a) \times (aa + a)/a - a)/a$.
 1368 := $(aaa + a + a + a) \times (aa + a)/(a \times a)$.
 1369 := $aaa \times aaa/(aa - a - a)/a$.
 1370 := $(aaa \times aaa/(aa - a - a) + a)/a$.
 1371 := $(aaa \times aaa/(aa - a - a) + a + a)/a$.
 1372 := $(aaa - aa - a - a) \times (aa + a + a + a)/(a \times a)$.
 1373 := $((aaa + aa + a + a + a) \times aa/a - a - a)/a$.
 1374 := $((aaa + aa + a + a + a) \times aa/a - a)/a$.
 1375 := $(aaa + aa + a + a + a) \times aa/(a \times a)$.
 1376 := $((aaa + aa + a + a + a) \times aa/a + a)/a$.
 1377 := $((aaa + aa + a + a + a) \times aa/a + a + a)/a$.
 1378 := $((aaa + aa + a + a + a) \times aa/a + a + a + a)/a$.
 1379 := $(aaa \times aaa/(aa - a - a) + aa - a)/a$.
 1380 := $(aaa + a + a + a + a) \times (aa + a)/(a \times a)$.
 1381 := $(aaa \times aaa/(aa - a - a) + aa + a)/a$.
 1382 := $(aaa \times aaa/(aa - a - a) + aa + a + a)/a$.
 1383 := $(aaaaa + a)/(aa - a - a - a) - (aa + a)/(a + a)$.
 1384 := $(aaaaa + a)/(aa - a - a - a) - (aa - a)/(a + a)$.
 1385 := $((aaa + a) \times aaa/(a + a + a) + aa)/(a + a + a)$.
 1386 := $(aaa + aa + a + a + a + a) \times aa/(a \times a)$.
 1387 := $(aaaaa + a)/(aa - a - a - a) - (a + a)/a$.
 1388 := $(aaaaa + a)/(aa - a - a - a) - a/a$.
 1389 := $(aaaaa + a)/(aa - a - a - a)$.
 1390 := $(aaaaa + a)/(aa - a - a - a) + a/a$.
 1391 := $(aaa - a - a - a - a) \times (aa + a + a)/(a \times a)$.
 1392 := $(aaaaa + aa + aa + a + a + a)/(aa - a - a - a)$.
 1393 := $(aaaaa + aa + aa + aa)/(aa - a - a - a)$.
 1394 := $((aaa + a + a) \times aaa/(a + a + a) + a)/(a + a + a)$.
 1395 := $(aaaaa + a)/(aa - a - a - a) + (aa + a)/(a + a)$.
 1396 := $((aa + a + a + a) \times (aaa - aa)/a - a - a - a - a)/a$.
 1397 := $((aa + a) \times aa/(a + a) + aaaaa - a)/(aa - a - a - a)$.
 1398 := $(aaa + aaa + aa) \times (aa + a) \times aa/(a + a)/(aa \times a)$.
 1399 := $((aaa - aa - aa) \times (a + a) + aaa \times aa)/(a \times a)$.
 1400 := $(aa + a + a + a) \times (aaa - aa)/(a \times a)$.
 1401 := $((aa + a + a + a) \times (aaa - aa)/a + a)/a$.
 1402 := $((aaa + aa) \times (aa + aa + a)/(a + a) - a)/a$.
 1403 := $(aaa + aa) \times (aa + aa + a)/(a + a)/a$.
 1404 := $(aaa - a - a - a) \times (aa + a + a)/(a \times a)$.
 1405 := $((aaa - a - a - a) \times (aa + a + a)/a + a)/a$.
 1406 := $(aaa/(a + a + a) \times aa + aaaa)/(a + a + a)$.
 1407 := $(aaa/(a + a + a) \times aa + aaaa - aaa)/a$.
 1408 := $(aaa/(a + a + a) \times aa + aaaa - aaa + a)/a$.
 1409 := $((aa + a + a + a) \times aaaa/aa - a - a - a - a - a)/a$.
 1410 := $((aa + a + a + a) \times aaaa/aa - a - a - a - a)/a$.
 1411 := $((aa + a + a + a) \times aaaa/aa - a - a - a)/a$.
 1412 := $((aa + a + a + a) \times aaaa/aa - a - a)/a$.
 1413 := $((aa + a + a + a) \times aaaa/aa - a)/a$.
 1414 := $(aa + a + a + a) \times aaaa/(aa \times a)$.
 1415 := $((aa + a + a + a) \times aaaa/aa + a)/a$.
 1416 := $((aa + a + a + a) \times aaaa/aa + a + a)/a$.
 1417 := $(aaa - a - a) \times (aa + a + a)/(a \times a)$.
 1418 := $((aaa - a - a) \times (aa + a + a)/a + a)/a$.
 1419 := $((aaa - a - a) \times (aa + a + a)/a + a + a)/a$.
 1420 := $((aaa - a - a) \times (aa + a + a)/a + a + a + a)/a$.
 1421 := $((aaa - aa) \times (a + a) + aaa \times aa)/(a \times a)$.
 1422 := $(aaaa + aaa + aaa + aaa - aa - aa)/a$.
 1423 := $(aaaa \times (aa + a + a)/aa + aaa - a)/a$.
 1424 := $(aaaa \times (aa + a + a)/aa + aaa)/a$.
 1425 := $((aa + a + a + a) \times aaaa/aa + aa)/a$.
 1426 := $((aa + a + a + a) \times aaaa/aa + aa + a)/a$.
 1427 := $((aaaa + aa) \times (aa + a + a + a)/aa - a)/a$.
 1428 := $(aaaa + aa) \times (aa + a + a + a)/(aa \times a)$.
 1429 := $((aaa - a) \times (aa + a + a)/a - a)/a$.
 1430 := $(aaa - a) \times (aa + a + a)/(a \times a)$.
 1431 := $((aaa - a) \times (aa + a + a)/a + a)/a$.
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 1433 := $((aaa - a) \times (aa + a + a)/a + a + a + a)/a$.
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 1435 := $((aaa - a) \times (aa + a + a)/a + a + a + a + a + a)/a$.
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 1437 := $((aaaa + aa) \times (aa + a + a)/aa + aaa)/a$.
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 1443 := $(aa + a + a) \times aaa/(a \times a)$.
 1444 := $(aaaa + aaa + aaa + aaa)/a$.
 1445 := $(aaaa + aaa + aaa + aaa + a)/a$.
 1446 := $(aaaa + aaa + aaa + aaa + a + a)/a$.
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 1452 := $(aaa + aa + aa - a) \times aa/(a \times a)$.
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 1454 := $(aaaa + aaa + aaa + aaa + aa - a)/a$.
 1455 := $(aaaa + aaa + aaa + aaa + aa)/a$.
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 1464 := $(aaa + aa) \times (aa + a)/(a \times a)$.
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 1466 := $((aaa + aa) \times (aa + a)/a + a + a)/a$.
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 1473 := $((aaa + aa + aa + a) \times aa/a - a)/a$.
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 1475 := $((aaa + aa + aa + a) \times aa/a + a)/a$.
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 1480 := $(aaa \times aaa/(aa - a - a) + aaa)/a$.
 1481 := $(aaa \times aaa/(aa - a - a) + aaa + a)/a$.
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 1490 := $(aaa \times aaa/(aa - a - a) + aaa + aa - a)/a$.
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 1492 := $(aaa \times aaa/(aa - a - a) + aaa + aa + a)/a$.
 1493 := $(aaa/(a + a + a) \times aaa - aaaa - aa + a)/(a + a)$.

- 1494 := $((aa + aa - a) \times (aa + a + a) + aaa \times aa)/(a \times a)$.
 1495 := $(aaaa + a + a + a + a) \times (aa + a + a)/(a \times a)$.
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 1498 := $(aaa - a - a - a - a) \times (aa + a + a + a)/(a \times a)$.
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 1505 := $((aaa + aa) \times aaa/(a + a + a) + a)/(a + a + a)$.
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 1522 := $((aaa - aa) \times (a + a + a) + aaaa \times aa)/a + a$.
 1523 := $((aaaa - a) \times aa/(a + a) - aa - a - a)/(a + a + a + a)$.
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 1537 := $(aaaa + aaaa)/(a + a) + (aaaaa + a)/(aa + a)$.
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 1543 := $((aaaa + aa) \times aa/(a + a) + a)/(a + a + a + a)$.
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 1563 := $aaaaaa/aaa + (aaaa + aa)/(a + a) + a/a$.
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 1579 := $((aaa + a) \times (aa + a + a) + aa \times aa)/a + a + a$.
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 1584 := $(aaa + aa + aa + aa) \times aa/(a \times a)$.
 1585 := $((aaa + aa) \times (aa + a + a)/a - a)/a$.
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 1587 := $((aaa + aa) \times (aa + a + a)/a + a)/a$.
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 1589 := $(aaaaa + aa + a) \times (a + a)/(aa + a + a + a) \times a$.
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 1591 := $(aaa \times aaaa)/(aa - a - a) + aaaa + aaaa)/a$.
 1592 := $(aaa \times aaaa)/(aa - a - a) + aaaa + aaaa + a)/a$.
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 1594 := $((aaa + aa + aa) \times (aa + a)/a - a - a)/a$.
 1595 := $((aaa + aa + aa) \times (aa + a)/a - a)/a$.
 1596 := $(aaa + aa + aa) \times (aa + a)/(a \times a)$.
 1597 := $((aaa + aa + aa) \times (aa + a)/a + a)/a$.
 1598 := $((aaa + aa + a) \times (aa + a + a)/a - a)/a$.
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 1616 := $(aa + aa + aa - a) \times aaaa/(aa \times (a + a))$.
 1617 := $(aa + aa + aa - a) \times aaaa/(aa \times (a + a)) + a/a$.
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 1621 := $((aaa + aa + aa + a + a) \times (aa + a)/a + a)/a$.

- 1622 := $((aaa + aa + aa + a + a) \times (aa + a)/a + a + a)/a$.
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 1635 := $(aa + a + a + a + a) \times (aaa - a - a)/(a \times a)$.
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 1643 := $((aaa + aaaa - aa) \times (a + a) + aaaa \times aa)/(a \times a)$.
 1644 := $((aaa + aaaa - aa) \times (a + a) + aaaa \times aa)/a + a)/a$.
 1645 := $((aaaa - aa) \times (a + a + a)/(a + a) - a - a - a - a - a)/a$.
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 1665 := $(aa + a + a + a + a) \times aaaa/(a \times a)$.
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 1694 := $((aaa + a)/(a + a) \times aa \times aa)/((a + a + a + a) \times a)$.
 1695 := $((aaa + aa) \times aaaa/(a + a) + aa - a - a)/(a + a + a + a)$.
 1696 := $((aaa + aa) \times aaaa/(a + a) + aa + a + a)/(a + a + a + a)$.
 1697 := $(aaaa \times (aa + a)/(a + a) + aaaa + aa)/(a + a + a + a)$.
 1698 := $((aaa + a) \times aaaa/(a + a) - aaaa - aa)/(a + a + a)$.
 1699 := $((aa + aa + aa + a) \times (aaa - aa)/(a + a) - a)/a$.
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 1701 := $((aa + aa + aa + a) \times (aaa - aa)/(a + a) + a)/a$.
 1702 := $(aaa + aaaa) \times (aa + aa + a)/((a + a + a) \times a)$.
 1703 := $((aaa + a) \times aaaa/(aa + aa - a) + aaaa)/a$.
 1704 := $((aaa + aa + aa + aa + aa) \times aa/a - a)/a$.
 1705 := $(aaa + aa + aa + aa + aa) \times aa/(a \times a)$.
 1706 := $((aa + a + a + a) \times (aaa + aa)/a - a - a)/a$.
 1707 := $((aa + a + a + a) \times (aaa + aa)/a - a)/a$.
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 1709 := $((aa + a + a + a) \times (aaa + aa)/a + a)/a$.
 1710 := $((aa + a + a + a) \times (aaa + aa)/a + a + a)/a$.
 1711 := $((aaa - aa) \times (aa + a)/(a + a) + aaaa)/a$.
 1712 := $((aaa - aa) \times (aa + a)/(a + a) + aaaa + a)/a$.
 1713 := $((aaa - a) \times aa/(a + a) + aaaa - a - a - a)/a$.
 1714 := $((aaa - a) \times aa/(a + a) + aaaa - a - a)/a$.
 1715 := $((aaa - a) \times aa/(a + a) + aaaa - a - a)/a$.
 1716 := $((aaa - a) \times aa/(a + a) + aaaa)/a$.
 1717 := $((aaa - a) \times aa/(a + a) + aaaa + a)/a$.
 1718 := $((aaa - a) \times aa/(a + a) + aaaa + a + a)/a$.
 1719 := $((aaa - a) \times aa/(a + a) + aaaa + a + a + a)/a$.
 1720 := $((aaa + aa + a) \times (aa + a + a + a)/a - a - a)/a$.
 1721 := $((aaa + aa + a) \times (aa + a + a + a)/a - a)/a$.
 1722 := $(aaa + aa + a) \times (aa + a + a + a)/(a \times a)$.
 1723 := $(aaa + aa + a) \times (aa + a + a + a)/a + a)/a$.
 1724 := $(aaa + aa + a) \times (aa + a + a + a)/a + a + a)/a$.
 1725 := $(aaa + a)/(a + a) \times aa + aaaa - a - a)/a$.
 1726 := $(((((aaa + a)/(a + a)) \times aa) + aaaa) - a)/a$.
 1727 := $(((((aaa + a)/(a + a)) \times aa) + aaaa)/a$.
 1728 := $(((((aaa + aa) + aa) + aa) \times (aaa + a))/(a \times a)$.
 1729 := $(aaa + aa + aa) \times (aa + a + a)/(a \times a)$.
 1730 := $(aaa + aa + aa) \times (aa + a + a)/a + a)/a$.
 1731 := $(aaa + aa + aa) \times (aa + a + a)/a + a + a)/a$.
 1732 := $(aaa + aa + aa) \times (aa + a + a)/a + a + a + a)/a$.
 1733 := $(aaa + aa + aa) \times (aa + a + a)/a + a + a + a + a)/a$.
 1734 := $(aaaa + aa)/aa \times (aa + aa + aa + a)/(a + a)$.
 1735 := $(aaa + aa + a + a) \times (aa + a + a + a)/a - a)/a$.
 1736 := $(aaa + aa + a + a) \times (aa + a + a + a)/(a \times a)$.
 1737 := $(aaa + aa + a + a) \times (aa + a + a + a)/a + a)/a$.
 1738 := $((aaa + aa + a + a) \times (aa + a + a + a)/a + a + a)/a$.
 1739 := $((aaa + aa + a + a) \times (aa + a + a + a)/a + a + a + a)/a$.
 1740 := $((aaaaa + a)/(aa + a) \times (a + a) - aaaa - a)/a$.
 1741 := $((aaaaa + a)/(aa + a) \times (a + a) - aaaa)/a$.
 1742 := $(aaa + aa + aa + a) \times (aa + a + a)/(a \times a)$.
 1743 := $(aaa + aa + aa + a) \times (aa + a + a)/a + a)/a$.
 1744 := $((aaa + aa + aa + a) \times (aa + a + a)/a + a + a)/a$.
 1745 := $((aaa + aa + aa + a) \times (aa + a + a)/a + a + a + a)/a$.
 1746 := $((aaaaa + aaaa) \times (a + a))/((aa + a + a + a) \times a)$.
 1747 := $((aaaa + a + a) \times (aa + aa)/(aa + a + a + a) - a - a)/a$.
 1748 := $((aaaa + a + a) \times (aa + aa)/(aa + a + a + a) - a)/a$.
 1749 := $(aaaa + a + a) \times (aa + aa)/((aa + a + a + a) \times a)$.

- 1750 := $(aaa - aaaa) \times (a - aa - aa) / ((aa + a) \times a)$.
 1751 := $((aaa - aaaa) \times (a - aa - aa) / (aa + a) + a) / a$.
 1752 := $(aaaa - aaa - aaa - aa - a - a) \times (a + a) / (a \times a)$.
 1753 := $((aaaa - aaa - aaa - aa - a) \times (a + a) / a - a) / a$.
 1754 := $(aaaa - aaa - aaa - aa - a) \times (a + a) / (a \times a)$.
 1755 := $(aaa + aa + aa + a + a) \times (aa + a + a) / (a \times a)$.
 1756 := $(aaaa - aaa - aaa - aa) \times (a + a) / (a \times a)$.
 1757 := $((aaaa - aaa - aaa - aa) \times (a + a) / a + a) / a$.
 1758 := $(aaaa - aaa - aaa - aa + a) \times (a + a) / (a \times a)$.
 1759 := $((aaaa - aaa - aaa - aa + a) \times (a + a) / a + a) / a$.
 1760 := $(aa + aa + aa - a) \times (aaaa - aa) / ((aa - a) \times (a + a))$.
 1761 := $((aaaa - aaa - aaa - aa + a) \times (a + a) / a + a + a + a) / a$.
 1762 := $((aa + aa + aa + a + a) \times aaaa / aa - aa) / (a + a)$.
 1763 := $(aaaaaa / (aa + aa - a) \times a + a) / (a + a + a) - a / a$.
 1764 := $(aaaaaa / (aa + aa - a) \times a + a) / (a + a + a)$.
 1765 := $(aaa \times (aa + a) / (a + a) + aaaa - aa - a) / a$.
 1766 := $(aaa \times (aa + a) / (a + a) + aaaa - aa) / a$.
 1767 := $((aa + aa + aa + a + a) \times aaaa / aa - a) / (a + a)$.
 1768 := $(aaa + aaa - a) \times (aa - a - a - a) / (a \times a)$.
 1769 := $((aaa + aaa - a) \times (aa - a - a - a) / a + a) / a$.
 1770 := $((aaa + aaa - a) \times (aa - a - a - a) / a + a + a) / a$.
 1771 := $(aaaaa - a - a) \times aa / ((aa + aa + a) \times (a + a + a))$.
 1772 := $((aaa + aaa) \times (aa - a - a - a) / a - a - a - a) / a$.
 1773 := $((aaa + aaa) \times (aa - a - a - a) / a - a - a - a) / a$.
 1774 := $((aaa + aaa) \times (aa - a - a - a) / a - a - a) / a$.
 1775 := $((aaa + aaa) \times (aa - a - a - a) / a - a) / a$.
 1776 := $(aaa + aaa) \times (aa - a - a - a) / (a \times a)$.
 1777 := $(aaa \times (aa + a) / (a + a) + aaaa) / a$.
 1778 := $(aaaa - aaa - aaa) \times (a + a) / (a \times a)$.
 1779 := $((aaaa - aaa - aaa) \times (aa + aa) / aa + a) / a$.
 1780 := $(aaaa - aaa - aaa + a) \times (a + a) / (a \times a)$.
 1781 := $((aaa + aa) \times aa / (a + a) + aaaa - a) / a$.
 1782 := $((aaa + aa) \times aa / (a + a) + aaaa) / a$.
 1783 := $((aaa + a) \times (aa + a) / (a + a) + aaaa) / a$.
 1784 := $(aaa + aaa + a) \times (aa - a - a - a) / (a \times a)$.
 1785 := $(aa + aa + aa + a + a) \times (aaaa + aa) / (aa \times (a + a))$.
 1786 := $((aaa + aaa) \times (a + a) + (aaa + aa) \times aa) / (a \times a)$.
 1787 := $(aaa \times (aa + a) / (a + a) + aaaa + aa - a) / a$.
 1788 := $(aaa \times (aa + a) / (a + a) + aaaa + aa) / a$.
 1789 := $(aaa \times (aa + a) / (a + a) + aaaa + aa + a) / a$.
 1790 := $(aaa \times (aa + a) / (a + a) + aaaa + aa + a + a) / a$.
 1791 := $((aa + aa + aa - a) \times (aaa + a) / (a + a) - a) / a$.
 1792 := $(aa + aa + aa - a) \times (aaa + a) / ((a + a) \times a)$.
 1793 := $((aa + aa + aa - a) \times (aaa + a) / (a + a) + a) / a$.
 1794 := $(aaa + aaa + aa + a) \times (aa + aa + a) / ((a + a + a) \times a)$.
 1795 := $((aaaaa - aaaa - aaaa) / aa \times (a + a) - a - a - a) / a$.
 1796 := $((aaaaa - aaaa - aaaa) / aa \times (a + a) - a - a) / a$.
 1797 := $((aaaaa - aaaa - aaaa) / aa \times (a + a) - a) / a$.
 1798 := $(aaaaa - aaaa - aaaa) / aa \times (a + a) / a$.
 1799 := $((aaaaa - aaaa - aaaa) / aa \times (a + a) + a) / a$.
 1800 := $(aaaa - aaa - aaa + aa) \times (a + a) / (a \times a)$.
 1801 := $((aaaa - aaa - aaa + aa) \times (a + a) / a + a) / a$.
 1802 := $(aaaa - aaa - aaa + aa + a) \times (a + a) / (a \times a)$.
 1803 := $((aaaa - aaa - aaa + aa + a) \times (a + a) / a + a) / a$.
 1804 := $((aaaa - a) \times (aa + a + a) / (a + a) + a) / (a + a + a)$.
 1805 := $(aaaa + a) \times (aa + a + a) / ((a + a) \times (a + a + a + a)) - (a + a) / a$.
 1806 := $(aaaa + a) \times (aa + a + a) / ((a + a) \times (a + a + a + a)) - a / a$.
 1807 := $(aaaa + a) \times (aa + a + a) / ((a + a) \times (a + a + a + a))$.
 1808 := $((aaa + aa) \times (aa + a + a) + aaa \times (a + a)) / (a \times a)$.
 1809 := $(aaaa / aa \times (a + a) - a) \times (aa - a - a) / (a \times a)$.
 1810 := $((aaaa / aa \times (a + a) - a) \times (aa - a - a) / a + a) / a$.
 1811 := $((aaa - a) \times aa / (a + a) - a) \times (a + a + a) / a - a) / a$.
 1812 := $((aaa - a) \times aa / (a + a) - a) \times (a + a + a) / (a \times a)$.
 1813 := $(aaa - aa - a - a) \times aaa / ((a + a + a) \times (a + a))$.
 1814 := $((aaa - a) \times aa / (a + a) - a) \times (a + a + a) / a + a + a) / a$.
 1815 := $(aa + aa + aa) \times (aaaa - aa) / ((a + a) \times (aa - a))$.
 1816 := $(aaaaa - aaaa - aa - a) \times (a + a) / (aa \times a)$.
 1817 := $((aaaaa - aaaa - a) / aa \times (a + a) - a) / a$.
 1818 := $aaaa \times (aa - a - a) \times (a + a) / (aa \times a \times a)$.
 1819 := $((aaaaa - aaaa - a) / aa \times (a + a) + a) / a$.
 1820 := $(aaaa \times (aa - a - a) / aa + a) \times (a + a) / (a \times a)$.
 1821 := $((aaaaaaa - a) / aaaa \times (a + a) + aa) / aa$.
 1822 := $(aaaa - aaa - aaa + aa + aa) \times (a + a) / (a \times a)$.
 1823 := $((aaaa - aaa - aaa + aa + aa) \times (a + a) / a + a) / a$.
 1824 := $((aaa + aaa - a - a - a) \times (aaa - aa) / (aa + a) - a) / a$.
 1825 := $(aaa + aaa - a - a - a) \times (aaa - aa) / ((aa + a) \times a)$.
 1826 := $(aaa + aaa + aaa - a) \times aa / ((a + a) \times a)$.
 1827 := $((aaa - a) \times aa / (a + a) + aaaa + aaaa) / a$.
 1828 := $((aaa - a) \times aa / (a + a) + aaaa + aaaa + a) / a$.
 1829 := $((aaaaa - aaaa - a) / aa \times (a + a) + aa) / a$.
 1830 := $(aa + a + a + a + a) \times (aaa + aa) / (a \times a)$.
 1831 := $((aa + a + a + a + a) \times (aaa + aa) / a + a) / a$.
 1832 := $((aaaa + aaa) \times (a + a + a) / (a + a) - a) / a$.
 1833 := $(aaaa + aaa) \times (a + a + a) / ((a + a) \times a)$.
 1834 := $((aaaa + aaa) \times (a + a + a) / (a + a) + a) / a$.
 1835 := $(aaaa - aa + a) \times (aa - a) / ((a + a) \times (a + a + a))$.
 1836 := $(aaaaaa - aa - aa - aa) \times (a + a) / (aa \times aa)$.
 1837 := $((aaaaaa + aa + aa) / aa \times (a + a) + a) / aa$.
 1838 := $((aaaaa - aa) / (aa + a) \times (a + a) - aa - a) / a$.
 1839 := $((aaaaa - aa) / (aa + a) \times (a + a) - aa) / a$.
 1840 := $((aaaaa - aa) / (aa + a) \times (a + a) - aa + a) / a$.
 1841 := $((aaaaa + a) / (aa + a) \times (a + a) - aa) / a$.
 1842 := $((aaaaa + a) / (aa + a) \times (a + a) - aa + a) / a$.
 1843 := $((aaa + aa) \times (aa + a) / (a + a) + aaaa) / a$.
 1844 := $((aaaa + aaa) \times (a + a + a) / (a + a) + aa) / a$.
 1845 := $(aaa + aa + a) \times (aa + a + a + a + a) / (a \times a)$.
 1846 := $((aa + aa + aa) \times (aaa + a) / (a + a) - a - a) / a$.
 1847 := $((aa + aa + aa) \times (aaa + a) / (a + a) - a) / a$.
 1848 := $(aa + aa + aa) \times (aaa + a) / ((a + a) \times a)$.
 1849 := $((aaaaa - aa) / (aa + a) \times (a + a) - a) / a$.
 1850 := $(aaaaa - aa) \times (a + a) / ((aa + a) \times a)$.
 1851 := $((aaaaa + a) / (aa + a) \times (a + a) - a) / a$.
 1852 := $(aaaaa + a) \times (a + a) / ((aa + a) \times a)$.
 1853 := $((aaaaa + a) / (aa + a) \times (a + a) + a) / a$.
 1854 := $((aaaaa + a) / (aa + a) \times (a + a) + a + a) / a$.
 1855 := $(aaaa + a + a) \times (aa + aa - a - a) / ((aa + a) \times a)$.
 1856 := $(aaa + aaa + aa - a) \times (aa - a - a - a) / (a \times a)$.
 1857 := $((aaaa - aaa - aa) \times (a + a) - aa \times aa) / (a \times a)$.
 1858 := $((aaaa - aaa - aa) \times (a + a) - aa \times aa) / a + a) / a$.
 1859 := $((aaa + aa + aa + aa + aa) \times (aa + a) / a - a) / a$.
 1860 := $(aaa + aa + aa + aa + aa) \times (aa + a) / (a \times a)$.
 1861 := $((aaaaa - aa) / (aa + a) \times (a + a) + aa) / a$.
 1862 := $(aaa + aa + aa) \times (aa + a + a + a) / (a \times a)$.
 1863 := $((aaaaa + a) / (aa + a) \times (a + a) + aa) / a$.
 1864 := $(aaa + aaa + aa) \times (aa - a - a - a) / (a \times a)$.
 1865 := $((aaa + aaa + aa) \times (aa - a - a - a) / a + a) / a$.
 1866 := $((aaa - aa) \times (aaa + a) / (a + a) - a - a) / (a + a + a)$.
 1867 := $((aaa - aa) \times (aaa + a) / (a + a) + a) / (a + a + a)$.
 1868 := $(aaaa \times aaaa / (aa + aa + aa) - a) / (a + a)$.
 1869 := $(aaa - aa - aa) \times (aa + aa - a) / (a \times a)$.
 1870 := $(aaaaa + aaa - a - a) \times (a + a) / ((aa + a) \times a)$.
 1871 := $(aaaaa + aaa + a + a + a + a) \times (a + a) / ((aa + a) \times a)$.
 1872 := $(aaa + aa + aa + aa) \times (aa + a + a) / (a \times a)$.
 1873 := $((aaaaa + a) / (aa + a) \times (a + a) + aa + aa - a) / a$.
 1874 := $((aaaaa + a) / (aa + a) \times (a + a) + aa + aa) / a$.
 1875 := $(aaaa + aa + a + a + a) \times (aa - a) / ((a + a) \times (a + a + a))$.
 1876 := $(aaaa / aa \times (a + a) - a) \times (aaa + a) / ((aa + a) \times a)$.

- 1877 := $((aaaa - aaa - a) \times (a + a) - aa \times aa)/(a \times a)$.
 1878 := $((aaaaa - aaa) \times (a + a)/aa - aaa - aa)/a$.
 1879 := $((aaaa - aaa) \times (a + a) - aa \times aa)/(a \times a)$.
 1880 := $(aaaaaa/aaa \times (a + a) - aaa - aa)/a$.
 1881 := $(aaaa + aaaa + a) \times aa/((aa + a + a) \times a)$.
 1882 := $((aaa + a) \times aaaa/(aa + aa) - aa + a)/(a + a + a)$.
 1883 := $((aaa + a + a) \times (aaa - aa)/(a + a) - a)/(a + a + a)$.
 1884 := $((aa + aa + aa + a) \times aaa/(a + a) - a - a - a)/a$.
 1885 := $((aa + aa + aa + a) \times aaa/(a + a) - a - a)/a$.
 1886 := $((aa + aa + aa + a) \times aaa/(a + a) - a)/a$.
 1887 := $(aa + aa + aa + a) \times aaa/((a + a) \times a)$.
 1888 := $((aaaaa - aaa) \times (a + a)/aa - aaa - a)/a$.
 1889 := $((aaaaa - aaa) \times (a + a)/aa - aaa)/a$.
 1890 := $(aaaaaa/aaa \times (a + a) - aaa - a)/a$.
 1891 := $(aaaaaa/aaa \times (a + a) - aaa)/a$.
 1892 := $(aaaaaa/aaa \times (a + a) - aaa + a)/a$.
 1893 := $(aaaaaa/aaa \times (a + a) - aaa + a + a)/a$.
 1894 := $(aaaaaa/aaa \times (a + a) - aaa + a + a + a)/a$.
 1895 := $(aaaaaa/aaa \times (a + a) - aaa + a + a + a + a)/a$.
 1896 := $((aa + aa - a) \times aaaa/(aaa + aa + a) - a)/a$.
 1897 := $((aa - aaa - aaa) \times (a - aa + a)/a - a - a)/a$.
 1898 := $((aa - aaa - aaa) \times (a - aa + a)/a - a)/a$.
 1899 := $(aa - aaa - aaa) \times (a - aa + a)/(a \times a)$.
 1900 := $(aa + aa - a - a - a) \times (aaa - aa)/(a \times a)$.
 1901 := $((aa + aa - a - a - a) \times (aaa - aa)/a + a)/a$.
 1902 := $(aaaaaa/aaa \times (a + a) - aaa + aa)/a$.
 1903 := $(aaaaaa/aaa \times (a + a) - aaa + aa + a)/a$.
 1904 := $(aa + aa + aa + a) \times (aaa + a)/((a + a) \times a)$.
 1905 := $((aa + aa + aa + a) \times (aaa + a)/(a + a) + a)/a$.
 1906 := $((aa + aa + aa + a) \times (aaa + a)/(a + a) + a + a)/a$.
 1907 := $((aaaa - aa - a)/aa \times (a + a) - aaa)/a$.
 1908 := $((aaaa + aaaa) \times (aa - a)/aa - aaa - a)/a$.
 1909 := $((aaaa - a)/aa \times (a + a) - aaa)/a$.
 1910 := $((aaaa - a)/aa \times (a + a) - aaa + a)/a$.
 1911 := $(aaaaaa \times (aa + aa - a)/aaa)/aa$.
 1912 := $(aaaaaa \times (aa + aa - a)/aaa + aa)/aa$.
 1913 := $((aaa - aa - aa - a - a) \times (aa + aa)/a - a)/a$.
 1914 := $(aaa - aa - aa - a - a) \times (aa + aa)/(a \times a)$.
 1915 := $((aaa - aa - aa - a - a) \times (aa + aa)/a + a)/a$.
 1916 := $((aa + aa - a - a - a) \times aaaa/aa - a - a - a)/a$.
 1917 := $((aa + aa - a - a - a) \times aaaa/aa - a - a)/a$.
 1918 := $((aa + aa - a - a - a) \times aaaa/aa - a)/a$.
 1919 := $(aa + aa - a - a - a) \times aaaa/(aa \times a)$.
 1920 := $((aa + aa - a - a - a) \times aaaa/aa + a)/a$.
 1921 := $(aaa + aaaa - a) \times (aaa + a + a)/((aa + a + a) \times a)$.
 1922 := $((aa - aaa) \times (a + a + a) + aaaa \times (a + a))/(a \times a)$.
 1923 := $((aaaa - a) \times (aa + aa)/(aa + a) - aaa - a)/a$.
 1924 := $((aaaa - a) \times (aa + aa)/(aa + a) - aaa)/a$.
 1925 := $(aa - aaaa) \times (a - aa - aa)/((aa + a) \times a)$.
 1926 := $((aa - aaaa) \times (a - aa - aa)/(aa + a) + a)/a$.
 1927 := $((aa - aaaa) \times (a - aa - aa)/(aa + a) + a + a)/a$.
 1928 := $((a - aaaa) \times (a - aa - aa)/aa - a - a)/aa$.
 1929 := $((aaaaa - aaaa - a)/aa \times (a + a) + aaa)/a$.
 1930 := $((aa + aa - a - a - a) \times aaaa/aa + aa)/a$.
 1931 := $((aa + aa - a - a - a) \times aaaa/aa + aa + a)/a$.
 1932 := $(aaaa - aaaa + aa + a) \times (aa + aa - a)/(aa \times a)$.
 1933 := $((aaaa - aaaa - aa - aa - aa) \times (a + a)/a - a)/a$.
 1934 := $(aaaa - aaaa - aa - aa - aa) \times (a + a)/(a \times a)$.
 1935 := $(aaaaa - aa)/(aa + a) + (aaaaa - a)/aa$.
 1936 := $(aaa - aa - aa - a) \times (aa + aa)/(a \times a)$.
 1937 := $((aaa - aa - aa - a) \times (aa + aa)/a + a)/a$.
 1938 := $(aa + aa - a - a - a) \times (aaaa + aa)/(aa \times a)$.
 1939 := $(a - aaaa + a + a) \times (a - aa - aa)/((aa + a) \times a)$.
 1940 := $((aaaaa - a - a)/(aa + aa - a) \times aa + a)/(a + a + a)$.
 1941 := $((aa + aa - a - a - a) \times aaaa/aa + aa + aa)/a$.
 1942 := $((aaaaa + aaaa) \times (a + a + a)/(a + a) + aaaa - a - a)/a$.
 1943 := $((aaaa + aaaa) \times (a + a + a)/(a + a) + aaaa - a)/a$.
 1944 := $((aaaa + aaaa) \times (a + a + a)/(a + a) + aaaa)/a$.
 1945 := $((aa + aa - a) \times (aaaa + a)/(aa + a) - a)/a$.
 1946 := $(aa + aa - a) \times (aaaa + a)/((aa + a) \times a)$.
 1947 := $((aa + aa - a) \times (aaaa + a)/(aa + a) + a)/a$.
 1948 := $((aa + aa - a) \times (aaaa + a)/(aa + a) + a + a)/a$.
 1949 := $((aaa - aa - aa) \times (aa + aa)/a + a - aa + a)/a$.
 1950 := $((aaaaa - aa)/(aa + a) \times (a + a) + aaaa - aa)/a$.
 1951 := $((aa + aa + aa - a) \times (aaa + aa)/(a + a) - a)/a$.
 1952 := $(aa + aa + aa - a) \times (aaa + aa)/((a + a) \times a)$.
 1953 := $(aaa/(a + a + a) \times aaaa + a)/(a + a) - aaaa/aa$.
 1954 := $(aaaa - aaaa - aa - aa - a) \times (a + a)/(a \times a)$.
 1955 := $((aaaa - aaaa - aa - aa) \times (a + a)/a - a)/a$.
 1956 := $(aaaa - aaaa - aa - aa) \times (a + a)/(a \times a)$.
 1957 := $((aaa - aa - aa) \times (aa + aa)/a - a)/a$.
 1958 := $(aaa - aa - aa) \times (aa + aa)/(a \times a)$.
 1959 := $((aaa - aa - aa) \times (aa + aa)/a + a)/a$.
 1960 := $(aaa + aaaa - aa - a) \times (aaa + a)/((aa + a) \times a)$.
 1961 := $((aaaaa - aa)/(aa + a) \times (a + a) + aaaa)/a$.
 1962 := $((aaaaa + a)/(aa + a) \times (a + a) + aaaa - a)/a$.
 1963 := $((aaaaa + a)/(aa + a) \times (a + a) + aaaa)/a$.
 1964 := $((aaaaa + a)/(aa + a) \times (a + a) + aaaa + a)/a$.
 1965 := $((aaaaa + a)/(aa + a) \times (a + a) + aaaa + a + a)/a$.
 1966 := $((aaaaa + aa + a + a) \times (aa + aa - a)/(aa + a) - a)/a$.
 1967 := $(aaaa + aa + a + a) \times (aa + aa - a)/((aa + a) \times a)$.
 1967 := $((aaa - aa - aa) \times (aa + aa)/a + aa - a)/a$.
 1969 := $((aaa - aa - aa) \times (aa + aa)/a + aa)/a$.
 1970 := $((aaa - aa - aa) \times (aa + aa)/a + aa + a)/a$.
 1971 := $((aaa - aa - aa) \times (aa + aa)/a + aa + a + a)/a$.
 1972 := $((aaaa - aaaa - aa - a - a) \times (a + a)/a - a - a)/a$.
 1973 := $((aaaa - aaaa - aa - a - a) \times (a + a)/a - a)/a$.
 1974 := $(aaaa - aaaa - aa - a - a) \times (a + a)/(a \times a)$.
 1975 := $((aaaa - aaaa - aa - a - a) \times (a + a)/a + a)/a$.
 1976 := $(aaaa - aaaa - aa - a) \times (a + a)/(a \times a)$.
 1977 := $((aaaa - aaaa - aa) \times (aa + aa)/aa - a)/a$.
 1978 := $(aaaa - aaaa - aa) \times (a + a)/(a \times a)$.
 1979 := $((aaaa - aaaa - aa) \times (a + a)/a + a)/a$.
 1980 := $((aaaa - aaaa - aa) \times (a + a)/a + a + a)/a$.
 1981 := $((aaaa - aaaa - aa - aa + a + a) \times (a + a)/a - a)/a$.
 1982 := $(aaaa - aaaa - aa + a + a) \times (a + a)/(a \times a)$.
 1983 := $((aaaa - aaaa - aa + a + a) \times (a + a)/a + a)/a$.
 1984 := $((aaaa - aaaa - aa + a + a) \times (a + a)/a + a + a)/a$.
 1985 := $((aaaa - aaaa - a - a) \times (aa + aa)/aa - aa)/a$.
 1986 := $((aaaaa - aaaa - aa) \times (a + a)/aa - aa - a)/a$.
 1987 := $((aaaaa - aaaa - aa) \times (a + a)/aa - aa)/a$.
 1988 := $((aaaaa - aaaa) \times (a + a)/aa - aa - a)/a$.
 1989 := $((aaaaa - aaaa) \times (a + a)/aa - aa)/a$.
 1990 := $(aaaaaa/aaa \times (a + a) - aa - a)/a$.
 1991 := $(aaaaaa/aaa \times (a + a) - aa)/a$.
 1992 := $(aaaaaa/aaa \times (a + a) - aa + a)/a$.
 1993 := $((aaaaaa + aaaa)/aaa \times (a + a) - aa)/a$.
 1994 := $(aaaa - aaaa - a - a - a) \times (a + a)/(a \times a)$.
 1995 := $((aaaa - aaaa - a - a) \times (a + a)/a - a)/a$.
 1996 := $(aaaa - aaaa - a - a) \times (a + a)/(a \times a)$.
 1997 := $((aaaaa - aaaa - aa) \times (a + a)/aa - a)/a$.
 1998 := $(aaaa - aaaa - a) \times (a + a)/(a \times a)$.
 1999 := $((aaaaa - aaaa) \times (a + a)/aa - a)/a$.
 2000 := $(aaaa - aaaa) \times (a + a)/(a \times a)$.
 2001 := $(aaaaaa/aaa \times (a + a) - a)/a$.
 2002 := $(aaaaaa/aaa \times (a + a) + a)/a$.
 2003 := $(aaaaaa/aaa \times (a + a) + a)/a$.
 2004 := $(aaaa - aaaa + a + a) \times (a + a)/(a \times a)$.

- 2005 := $(aaaaaa/aaa \times (a + a) + a + a + a)/a$.
 2006 := $((aaa + aaa + a) \times (aa - a - a)/a - a)/a$.
 2007 := $(aaa + aaa + a) \times (aa - a - a)/(a \times a)$.
 2008 := $((aaa + aaa + a) \times (aa - a - a)/a + a)/a$.
 2009 := $((aaaaa - a) \times (a + a) - aa \times aa)/(aa \times a)$.
 2010 := $(aaaaa + aaaaa - aaa - a)/aa$.
 2011 := $((aaaaa - aaaa) \times (a + a)/aa + aa)/a$.
 2012 := $((aaaaaa/aaa) \times (a + a) + aa - a)/a$.
 2013 := $(aaaaaa/aaa \times (a + a) + aa)/a$.
 2014 := $(aaaaaa/aaa \times (a + a) + aa + a)/a$.
 2015 := $(aaaaaa/aaa \times (a + a) + aa + a + a)/a$.
 2016 := $((aaaaa - aa - a)/aa \times (a + a) - a - a)/a$.
 2017 := $((aaaaa - aa - a)/aa \times (a + a) - a)/a$.
 2018 := $(aaaaa - aa - a)/aa \times (a + a)/a$.
 2019 := $((aaaaa - a)/aa \times (a + a) - a)/a$.
 2020 := $(aaaaa - a)/aa \times (a + a)/a$.
 2021 := $((aaaaa - a)/aa \times (a + a) + a)/a$.
 2022 := $(aaaa - aaaa + aa) \times (a + a)/(a \times a)$.
 2023 := $(aaaaaa/aaa \times (a + a) + aa + aa - a)/a$.
 2024 := $(aaaa - aaaa + aa + a) \times (a + a)/(a \times a)$.
 2025 := $((aaaa - aaaa + aa + a) \times (a + a)/a + a)/a$.
 2026 := $(aaaa - aaaa + aa + a + a) \times (a + a)/(a \times a)$.
 2027 := $((aaaa - aaaa + aa + a + a) \times (a + a)/a + a)/a$.
 2028 := $((aaaa - a) \times aa/(a + a) - aa - aa + a)/(a + a + a)$.
 2029 := $((aaaaa - aa - a)/aa \times (a + a) + aa)/a$.
 2030 := $((aaaaa - a)/aa \times (a + a) + aa - a)/a$.
 2031 := $((aaaaa - a)/aa \times (a + a) + aa)/a$.
 2032 := $((aaaaa - a)/aa \times (a + a) + aa + a)/a$.
 2033 := $((aaa \times aaa - aa \times aa)/(a + a) - a)/(a + a + a)$.
 2034 := $((aaaa - a) \times (aa + aa))/(aa + a) - a)/a$.
 2035 := $(aaaa - a)/(a + a + a) \times aa/(a + a)$.
 2036 := $((aaaa - a) \times (aa + aa))/(aa + a) + a)/a$.
 2037 := $(aaaaa + aaaaa)/(a + a + a) \times a/(a + a)$.
 2038 := $((aaaa + a) \times aa/(a + a) - a - a)/(a + a + a)$.
 2039 := $((aaaa + a) \times aa/(a + a) + a)/(a + a + a)$.
 2040 := $((aaaa - a)/(a + a + a) \times aa + aa - a)/(a + a)$.
 2041 := $((aaaa - a)/(a + a + a) \times aa + aa + a)/(a + a)$.
 2042 := $((aaaa + a) \times aa/(a + a) + aa - a)/(a + a + a)$.
 2043 := $(aaa/(a + a + a) \times aaaa - aa - aa + a)/(a + a)$.
 2044 := $(aaaa - aaaa + aa + aa) \times (a + a)/(a \times a)$.
 2045 := $((aaaa - aaaa + aa + aa) \times (a + a)/a + a)/a$.
 2046 := $(aaaa - aaaa + aa + aa + a) \times (a + a)/(a \times a)$.
 2047 := $(aaa - aa - aa) \times (aa + aa + a)/(a \times a)$.
 2048 := $(aaa/(a + a + a) \times aaaa - aa)/(a + a)$.
 2049 := $(aaa/(a + a + a) \times aaaa - aa + a + a)/(a + a)$.
 2050 := $((aaa + a) \times aaa/(aa + a) - aa) \times (a + a)/(a \times a)$.
 2051 := $(aaa/(a + a + a) \times aaaa - a)/(a + a) - (a + a)/a$.
 2052 := $(aaa/(a + a + a) \times aaaa - a)/(a + a) - a/a$.
 2053 := $(aaa/(a + a + a) \times aaaa - a)/(a + a)$.
 2054 := $(aaa/(a + a + a) \times aaaa + a)/(a + a)$.
 2055 := $(aaa/(a + a + a) \times aaaa + a + a + a)/(a + a)$.
 2056 := $((aaaa + aa) \times (aa + aa))/(aa + a) - a)/a$.
 2057 := $(aaaa + aa) \times aa/((a + a) \times (a + a + a))$.
 2058 := $(aaa - aa - a - a) \times (aa + aa - a)/(a \times a)$.
 2059 := $(aaa/(a + a + a) \times aaaa + aa)/(a + a)$.
 2060 := $(aaa/(a + a + a) \times aaaa + aa + a + a)/(a + a)$.
 2061 := $((aaa + aaa) \times (aaa + a)/(aa + a) - aa)/a$.
 2062 := $((aaa + aaa) \times (aaa + a)/(aa + a) - aa + a)/a$.
 2063 := $((aaa + aaaa + a) \times aaa/(a + a + a + a)/(a + a + a + a))$.
 2064 := $(aaa/(a + a + a) \times aaaa + a)/(a + a) + (aaa - a)/aa$.
 2065 := $(aaa/(a + a + a) \times aaaa + aa + aa + a)/(a + a)$.
 2066 := $((aaa + a) \times aaa/(a + a + a) - aa - a)/(a + a)$.
 2067 := $((aaa + a) \times aaa/(a + a + a) - aa + a)/(a + a)$.
 2068 := $((aaa + a) \times aaa/(a + a) - aa - a)/(a + a + a)$.
 2069 := $((aaa + a) \times aaa/(a + a) - aa + a + a)/(a + a + a)$.
 2070 := $((aaa \times aaaa + aa \times aa)/(a + a) - aa)/(a + a + a)$.
 2071 := $(aa + aa - a - a - a) \times (aaa - a - a)/(a \times a)$.
 2072 := $(aaa + a) \times aaa/((a + a + a) \times (a + a))$.
 2073 := $((aaa + a) \times aaa/(a + a + a) + a + a)/(a + a)$.
 2074 := $((aaa + aaaa) \times (aaa + a)/(aa + a) + a + a)/a$.
 2075 := $((aaaaa - aa - a - a) \times (a + a) - aa \times aa)/(a \times a)$.
 2076 := $((aaaaa - a) \times (a + a) - (aa + a) \times (aa + a))/(a \times a)$.
 2077 := $((aaa + a) \times aaa/(a + a + a) + aa - a)/(a + a)$.
 2078 := $((aaa + a) \times aaa/(a + a + a) + aa + a)/(a + a)$.
 2079 := $((aaaa - aa) \times (a + a) - aa \times aa)/(a \times a)$.
 2080 := $((aaaaa - aa) \times (a + a) - aa \times aa)/a + a)/a$.
 2081 := $((aaaa - aa + a) \times (a + a) - aa \times aa)/(a \times a)$.
 2082 := $((aaaaa - aa + a) \times (a + a) - aa \times aa)/a + a)/a$.
 2083 := $((aaa + aaaa) \times (aaa + a)/(aa + a) + aa)/a$.
 2084 := $((aaa + aaaa) \times (aaa + a)/(aa + a) + aa + a)/a$.
 2085 := $((aaa + a + a) \times aaa/(a + a + a) - aa)/(a + a)$.
 2088 := $((aaa + a + a) \times aaa/(a + a + a) - aa - a - a)/(a + a)$.
 2087 := $((aaa + a) \times (aaa + a)/(a + a) - aa)/(a + a + a)$.
 2088 := $(aaaa + aaaa - aaaa - aa - aa - a)/a$.
 2089 := $(aaaa + aaaa - aaaa - aa - aa)/a$.
 2090 := $(aaaa \times (a + a) - (aa + a) \times aa)/(a \times a)$.
 2091 := $((aaa + a + a) \times aaa/(a + a + a) + a)/(a + a)$.
 2092 := $((aaaa + a) \times (a + a) - (aa + a) \times aa)/(a \times a)$.
 2093 := $(aaaa - aaaa + a) \times (aa + aa + a)/(aa \times a)$.
 2094 := $((aaaa + a + a) \times (a + a) - (aa + a) \times aa)/(a \times a)$.
 2095 := $((aaaa - a - a - a) \times (a + a) - aa \times aa)/(a \times a)$.
 2096 := $(aaaa + aaaa - aaaa - aa - a - a - a - a)/a$.
 2097 := $(aaa + aaaa + aa) \times (aa - a - a)/(a \times a)$.
 2098 := $(aaaa + aaaa - aaaa - aa - a - a)/a$.
 2099 := $(aaaa + aaaa - aaaa - aa - a)/a$.
 2100 := $(aa + aa - a) \times (aaa - aa)/(a \times a)$.
 2101 := $(aaaa \times (a + a) - aa \times aa)/(a \times a)$.
 2102 := $(aaaa + aaaa - aaaa - aa + a + a)/a$.
 2103 := $((aaaa + a) \times (a + a) - aa \times aa)/(a \times a)$.
 2104 := $((aaaa + a) \times (a + a) - aa \times aa)/a + a)/a$.
 2105 := $((aaaa + a) \times (a + a) - aa \times aa)/a + a + a)/a$.
 2106 := $(aaa + aaaa + aa + a) \times (aa - a - a)/(a \times a)$.
 2107 := $(aaaa + aaaa - aaaa - a - a - a - a)/a$.
 2108 := $(aaaa + aaaa - aaaa - a - a - a)/a$.
 2109 := $(aaaa + aaaa - aaaa - a - a)/a$.
 2110 := $(aaaa + aaaa - aaaa - a)/a$.
 2111 := $(aaaa + aaaa - aaaa)/a$.
 2112 := $(aaaa + aaaa - aaaa + a)/a$.
 2113 := $(aaaa + aaaa - aaaa + a + a)/a$.
 2114 := $(aaaa + aaaa - aaaa + a + a + a)/a$.
 2115 := $((aaaa + a) \times (a + a + a) - aaaa \times aa)/(a \times a)$.
 2116 := $((aaaa + a) \times (a + a + a) - aaaa \times aa)/a + a)/a$.
 2117 := $((aa + aa - a) \times aaaa/aa - a - a - a - a)/a$.
 2118 := $((aa + aa - a) \times aaaa/aa - a - a - a)/a$.
 2119 := $((aa + aa - a) \times aaaa/aa - a - a)/a$.
 2120 := $((aa + aa - a) \times aaaa/aa - a)/a$.
 2121 := $(aa + aa - a) \times aaaa/(aa \times a)$.
 2122 := $(aaaa + aaaa - aaaa + aa)/a$.
 2123 := $(aaaa + aaaa - aaaa + aa + a)/a$.
 2124 := $(aaaa + aaaa - aaaa + aa + a + a)/a$.
 2125 := $(aaaa + aaaa - aaaa + aa + a + a + a)/a$.
 2126 := $((aa + aa - a - a - a) \times (aaa + a)/a - a - a)/a$.
 2127 := $((aa + aa - a - a - a) \times (aaa + a)/a - a)/a$.
 2128 := $(aa + aa - a - a - a) \times (aaa + a)/(a \times a)$.
 2129 := $((aa + aa - a - a - a) \times (aaa + a)/a + a)/a$.
 2130 := $((aa + aa - a - a - a) \times (aaa + a)/a + a + a)/a$.
 2131 := $((aaaaa - a)/aa \times (a + a) + aaaa)/a$.
 2132 := $((aa + aa - a) \times aaaa/aa + aa)/a$.

$$\begin{aligned}
2133 &:= (aaaa + aaaa - aaa + aa + aa)/a. \\
2134 &:= (aaaa + aaaa - aaa + aa + aa + a)/a. \\
2135 &:= (aaaa + aaaa - aaa + aa + aa + a + a)/a. \\
2136 &:= ((aaa + a) \times aaa/(aa + a) + aaaa - aa)/a. \\
2137 &:= (aaaaaa/(aa + a + a) \times a + a)/(a + a + a + a). \\
2138 &:= ((aaaa + aa) \times (aa + aa - a)/aa - a - a - a - a)/a. \\
2139 &:= ((aaaa + aa) \times (aa + aa - a)/aa - a - a - a)/a. \\
2140 &:= ((aaaa + aa) \times (aa + aa - a)/aa - a - a)/a. \\
2141 &:= ((aaaa + aa) \times (aa + aa - a)/aa - a)/a. \\
2142 &:= (aaaa + aa) \times (aa + aa - a)/(aa \times a). \\
2143 &:= ((aaaa + aa) \times (aa + aa - a)/aa + a)/a. \\
2144 &:= ((aaaa + aa) \times (aa + aa - a)/aa + a + a)/a. \\
2145 &:= ((aaaa + aa) \times (aa + aa - a)/aa + a + a + a)/a. \\
2146 &:= ((aaa + a + a) \times aaa/(a + a + a) + aaaa)/(a + a). \\
2147 &:= (aa + aa - a - a - a) \times (aaa + a + a)/(a \times a). \\
2148 &:= ((aaa + a) \times aaa/(aa + a) + aaaa + a)/a. \\
2149 &:= ((aaa + a) \times aaa/(aa + a) + aaaa + a + a)/a. \\
2150 &:= ((aaa + a) \times aaa/(aa + a) + aaaa + a + a + a)/a. \\
2151 &:= (aaaa - aa - aa - aa - a - a) \times (a + a)/(a - a)/a. \\
2152 &:= (aaaa - aa - aa - aa - a - a) \times (a + a)/(a \times a). \\
2153 &:= ((aaaa + aa) \times (aa + aa - a)/aa + aa)/a. \\
2154 &:= (aaaa - aa - aa - aa - a) \times (a + a)/(a \times a). \\
2155 &:= ((aaaa + aa + aa) \times (aa + aa)/aa - aaaa)/a. \\
2156 &:= (aaa - aa - a - a) \times (aa + aa)/(a \times a). \\
2157 &:= (aaa - aa - a - a) \times (aa + aa)/a + a)/a. \\
2158 &:= (aaaa - aa - aa - aa + a) \times (a + a)/(a \times a). \\
2159 &:= ((aaa + a) \times aaa/(aa + a) + aaaa + aa + a)/a. \\
2160 &:= (aaa - a - a - a) \times (aaaa - a) \times (a + a)/(aaa \times a \times a). \\
2161 &:= ((aaaa - aa - a) \times (aa + a)/(a + a) - aaaa)/(a + a + a). \\
2162 &:= (aaaa + aaaa) \times (aa + aa + a)/(aa \times a + a) \times a). \\
2163 &:= (aaaa + aa + aa) \times (aa + aa - a)/(aa \times a). \\
2164 &:= ((aaaa + aa + aa) \times (aa + aa - a)/aa + a)/a. \\
2165 &:= ((aaaa - aa + a) \times (aa + a)/(a + a) - aaaa)/(a + a + a). \\
2166 &:= ((aaaa - aaaa) \times (aa + a + a)/(a + a) - a - a)/(a + a + a). \\
2167 &:= ((aaaa - aa - aa) \times (aa + aa)/aa - aaaa)/a. \\
2168 &:= ((aaaa - aa - aa) \times (aa + aa)/aa - aa + a)/a. \\
2169 &:= ((aaaa - aa - aa) \times (aa + aa)/aa - aa + a + a)/a. \\
2170 &:= (aaaaa - (aaa + aa) \times aaa/(a + a))/(a + a). \\
2171 &:= ((aaaa - aa - aa - a - a) \times (a + a)/a - a - a - a)/a. \\
2172 &:= ((aaaa - aa - aa - a - a) \times (a + a)/a - a - a)/a. \\
2173 &:= ((aaaa - aa - aa - a - a) \times (a + a)/a - a)/a. \\
2174 &:= (aaaa - aa - aa - a - a) \times (a + a)/(a \times a). \\
2175 &:= ((aaaa - aa - aa - a) \times (aa + aa)/aa - a)/a. \\
2176 &:= (aaaa - aa - aa - a) \times (a + a)/(a \times a). \\
2177 &:= ((aaaa - aa - aa) \times (aa + aa)/aa - a)/a. \\
2178 &:= (aaaa - aa - aa) \times (a + a)/(a \times a). \\
2179 &:= ((aaaa - aa - aa) \times (aa + aa)/aa + a)/a. \\
2180 &:= (aaaa - aa - aa + a) \times (a + a)/(a \times a). \\
2181 &:= ((aaaa - aa - aa + a) \times (a + a)/a + a)/a. \\
2182 &:= (aaaa - aa - aa + a + a) \times (a + a)/(a \times a). \\
2183 &:= ((aaa + aaaa) \times (aaa + a)/(aa + a) + aaaa)/a. \\
2184 &:= (aa + a) \times aaaaa/(aaa \times aa) \times (a + a)/a. \\
2185 &:= (aaaa \times (aa + a)/(a + a) - aaaa)/(a + a + a). \\
2186 &:= (aaaa + aaaa - aa - aa - aa - a - a - a)/a. \\
2187 &:= ((aaaa + a) \times (aa + a)/(a + a) - aaaa)/(a + a + a). \\
2188 &:= (aaaa + aaaa - aa - aa - aa - a)/a. \\
2189 &:= (aaaa + aaaa - aa - aa - aa)/a. \\
2190 &:= (aaaa + aaaa - aa - aa - aa + a)/a. \\
2191 &:= (aaaa + aaaa - aa - aa - aa + a + a)/a. \\
2192 &:= (aaaa + aaaa - aa - aa - aa + a + a + a)/a. \\
2193 &:= ((aaaa - aa - a - a - a) \times (a + a)/a - a)/a. \\
2194 &:= (aaaa - aa - a - a - a) \times (a + a)/(a \times a). \\
2195 &:= ((aaaa - aa - a - a - a) \times (a + a)/a + a)/a. \\
2196 &:= (aaaa - aa - a - a) \times (a + a)/(a \times a). \\
2197 &:= ((aaaa - aa - a) \times (a + a)/a - a)/a. \\
2198 &:= (aaaa - aa - a) \times (a + a)/(a \times a). \\
2199 &:= (aaaa + aaaa - aa - aa - a)/a. \\
2200 &:= (aaaa - aa) \times (a + a)/(a \times a). \\
2201 &:= (aaaa + aaaa - aa - aa + a)/a. \\
2202 &:= (aaaa - aa + a) \times (a + a)/(a \times a). \\
2203 &:= (aaaa + aaaa - aa - aa + a + a + a)/a. \\
2204 &:= (aaaa - aa + a + a) \times (a + a)/(a \times a). \\
2205 &:= ((aaaa - aa + a + a) \times (a + a)/a + a)/a. \\
2206 &:= (aaaa + aaaa - aa - a - a - a - a - a)/a. \\
2207 &:= (aaaa + aaaa - aa - a - a - a - a)/a. \\
2208 &:= (aaaa + aaaa - aa - a - a - a)/a. \\
2209 &:= (aaaa + aaaa - aa - a - a)/a. \\
2210 &:= (aaaa + aaaa - aa - a)/a. \\
2211 &:= (aaaa + aaaa - aa)/a. \\
2212 &:= (aaaa + aaaa - aa + a)/a. \\
2213 &:= (aaaa + aaaa - aa + a + a)/a. \\
2214 &:= (aaaa + aaaa - aa + a + a + a)/a. \\
2215 &:= ((aaaa - a - a - a) \times (a + a)/a - a)/a. \\
2216 &:= (aaaa - a - a - a) \times (a + a)/(a \times a). \\
2217 &:= ((aaaa - a - a - a) \times (a + a)/a + a)/a. \\
2218 &:= (aaaa - a - a) \times (a + a)/(a \times a). \\
2219 &:= (aaaa + aaaa - a - a - a)/a. \\
2220 &:= (aaaa - a) \times (a + a)/(a \times a). \\
2221 &:= (aaaa + aaaa - a)/a. \\
2222 &:= aaaa \times (a + a)/(a \times a). \\
2223 &:= (aaaa + aaaa + a)/a. \\
2224 &:= (aaaa + a) \times (a + a)/(a \times a). \\
2225 &:= (aaaa + aaaa + a + a + a)/a. \\
2226 &:= (aaaa + a + a) \times (a + a)/(a \times a). \\
2227 &:= ((aaaa + a + a) \times (a + a)/a + a)/a. \\
2228 &:= (aaaa + a + a + a) \times (a + a)/(a \times a). \\
2229 &:= ((aaaa + a + a + a) \times (a + a)/a + a)/a. \\
2230 &:= (aaa + aaaa + a) \times (aa - a)/(a \times a). \\
2231 &:= (aaaa + aaaa + aa - a - a)/a. \\
2232 &:= (aaaa + aaaa + aa - a)/a. \\
2233 &:= (aaaa + aaaa + aa)/a. \\
2234 &:= (aaaa + aaaa + aa + a)/a. \\
2235 &:= (aaaa + aaaa + aa + a + a)/a. \\
2236 &:= (aaaa + aaaa + aa + a + a + a)/a. \\
2237 &:= (aaaa + aaaa + aa + a + a + a + a)/a. \\
2238 &:= ((aaaa + aa - a - a) \times (a + a)/a - a - a)/a. \\
2239 &:= ((aaaa + aa - a - a) \times (a + a)/a - a)/a. \\
2240 &:= (aaaa + aa - a - a) \times (a + a)/(a \times a). \\
2241 &:= (aaaa + aaaa + aa + aa - a - a - a)/a. \\
2242 &:= (aaaa + aa - a) \times (a + a)/(a \times a). \\
2243 &:= (aaaa + aaaa + aa + aa - a)/a. \\
2244 &:= (aaaa + aa) \times (a + a)/(a \times a). \\
2245 &:= (aaaa + aaaa + aa + aa + a)/a. \\
2246 &:= (aaaa + aa + a) \times (a + a)/(a \times a). \\
2247 &:= ((aaaa + aa + a) \times (a + a)/a + a)/a. \\
2248 &:= (aaaa + aa + a + a) \times (a + a)/(a \times a). \\
2249 &:= ((aaaa + aa + a + a) \times (a + a)/a + a)/a. \\
2250 &:= (aaaa + aa + a + a + a) \times (a + a)/(a \times a). \\
2251 &:= ((aaaa + aa + a + a + a) \times (a + a)/a + a)/a. \\
2252 &:= ((aaaa + aa + a + a + a) \times (a + a)/a + a + a)/a. \\
2253 &:= ((aaa + aa) \times aaa/(a + a) - aa - a)/(a + a + a). \\
2254 &:= (aaaa + aaaa + aa + aa + aa - a)/a. \\
2255 &:= (aaaa + aaaa + aa + aa + aa)/a. \\
2256 &:= ((aaa + aa) \times aaa/(a + a + a) - a - a)/(a + a). \\
2257 &:= (aaa + aa) \times aaa/((a + a + a) \times (a + a)). \\
2258 &:= ((aaa + aa) \times aaa/(a + a + a) + a + a)/(a + a). \\
2259 &:= (aaaa \times (aa + a)/(a + a) + aaaa)/(a + a + a). \\
2260 &:= (aa + aa - a - a) \times (aaa + a + a)/(a \times a).
\end{aligned}$$

- 2261 := $((aaa + aa) \times aaa / (a + a) + aa + a) / (a + a + a)$.
 2262 := $(aaaa + aa + aa - a - a) \times (a + a) / (a \times a)$.
 2263 := $((aaa + aa) \times aaa / (a + a + a) + aa + a) / (a + a)$.
 2264 := $(aaaa + aa + aa - a) \times (a + a) / (a \times a)$.
 2265 := $((aaaa + aa + aa) \times (aa + aa) / aa - a) / a$.
 2266 := $(aaaa + aa + aa) \times (a + a) / (a \times a)$.
 2267 := $((aaaa + aa + aa) \times (aa + aa) / aa + a) / a$.
 2268 := $(aaaa + aa + aa + a) \times (a + a) / (a \times a)$.
 2269 := $((aaaa + aa + aa + a) \times (aa + aa) / aa + a) / a$.
 2270 := $(aaaa + aa + aa + a + a) \times (a + a) / (a \times a)$.
 2271 := $((aaaa + aa + aa + a + a) \times (a + a) / a + a) / a$.
 2272 := $((aaaa + aa + aa + a + a) \times (a + a) / a + a + a) / a$.
 2273 := $((aaaa - a) \times (aa - a - a) / (aa + aa) + a) / (a + a)$.
 2274 := $((aaa + aa) \times (aaa + a) / (a + a) - aa + a) / (a + a + a)$.
 2275 := $(aa + aa + a + a + a) \times aaaaa / (aaa \times aa)$.
 2276 := $((aaaa + aa + aa) \times (aa + aa) / aa + aa - a) / a$.
 2277 := $(aaa - aa - a) \times (aa + aa + a) / (a \times a)$.
 2278 := $((aaa - aa - a) \times (aa + aa + a) / a + a) / a$.
 2279 := $((aaa - aa - a) \times (aa + aa + a + a) / a + a) / a$.
 2280 := $((aaa - aa - a) \times (aa + aa + a + a) / a + a + a) / a$.
 2281 := $((aaa + aa + a) / (a + a + a) \times aaa + aa) / (a + a)$.
 2282 := $((aaa + aa + a) / (a + a + a) \times aaa + aa + a + a) / (a + a)$.
 2283 := $((aaaa + aa + a) \times (aa + a) / (a + a) + aaa) / (a + a + a)$.
 2284 := $((aaaa + aa + aa + aa - a) \times (aa + aa) / aa - a - a) / a$.
 2285 := $((aaaa + aa + aa + aa - a) \times (aa + aa) / aa - a) / a$.
 2286 := $(aaaa + aa + aa + aa - a) \times (aa + aa) / (aa \times a)$.
 2287 := $((aaaa + aa + aa + aa) \times (a + a) / a - a) / a$.
 2288 := $(aaaa + aa + aa + aa) \times (a + a) / (a \times a)$.
 2289 := $(aa + aa - a) \times (aaa - a - a) / (a \times a)$.
 2290 := $((aa + aa - a) \times (aaa - a - a) / a + a) / a$.
 2291 := $((aa + aa - a) \times (aaa - a - a) / a + a + a) / a$.
 2292 := $(aaaa / aa \times (a + a) - aa) \times (aa + a) / (a \times a)$.
 2293 := $((aaaa / aa \times (a + a) - aa) \times (aa + a) / a + a) / a$.
 2294 := $((aaa + aa) \times aaa / (a + a) + aaa) / (a + a + a)$.
 2295 := $((aaa + aa + a) \times (aaa + a) / (a + a + a) - a - a) / (a + a)$.
 2296 := $(aaa + aa + a) \times (aaa + a) / ((a + a + a) \times (a + a))$.
 2297 := $((aaa + aaa - aa - a - a) \times aa / a - a - a) / a$.
 2298 := $((aaa + aaa - aa - a - a) \times aa / a - a) / a$.
 2299 := $(aaa + aaa - aa - a - a) \times aa / (a \times a)$.
 2300 := $(aaa - aa) \times (aa + aa + a) / (a \times a)$.
 2301 := $((aaa - aa) \times (aa + aa + a) / a + a) / a$.
 2302 := $((aaa - aa) \times (aa + aa + a) / a + a + a) / a$.
 2303 := $((aaa - aa) \times (aa + aa + a) / a + a + a + a) / a$.
 2304 := $(aaaa / aa \times (a + a) - aa + a) \times (aa + a) / (a \times a)$.
 2305 := $((aa + aa - a) \times (aaa - a) / a - a - a - a - a - a) / a$.
 2306 := $((aa + aa - a) \times (aaa - a) / a - a - a - a - a) / a$.
 2307 := $((aa + aa - a) \times (aaa - a) / a - a - a - a) / a$.
 2308 := $((aa + aa - a) \times (aaa - a) / a - a - a) / a$.
 2309 := $((aa + aa - a) \times (aaa - a) / a - a) / a$.
 2310 := $(aa + aa - a) \times (aaa - a) / (a \times a)$.
 2311 := $(aaaa + aaaa + aaa - aa - aa) / a$.
 2312 := $(aaaa \times (aa + a) / aa + aaaa - aa) / a$.
 2313 := $((aaaa + aaaa) \times (aa + a) / aa - aaaa) / a$.
 2314 := $((aaaa + aaaa) \times (aa + a) / aa - aaaa + a) / a$.
 2315 := $(aaaaa + a) \times (aa - a) / ((aa + a) \times (a + a + a + a))$.
 2316 := $((aaa + aaa - aa) \times aa / a - a - a - a - a - a) / a$.
 2317 := $((aaa + aaa - aa) \times aa / a - a - a - a - a) / a$.
 2318 := $((aaa + aaa - aa) \times aa / a - a - a - a) / a$.
 2319 := $((aaa + aaa - aa) \times aa / a - a - a) / a$.
 2320 := $((aaa + aaa - aa) \times aa / a - a) / a$.
 2321 := $(aaa + aaa - aa) \times aa / (a \times a)$.
 2322 := $(aaaa + aaaa + aaa - aa) / a$.
 2323 := $(aa + aa + a) \times aaaa / (aa \times a)$.
 2324 := $((aa + aa + a) \times aaaa / aa + a) / a$.
 2325 := $((aa + aa + a) \times aaaa / aa + a + a) / a$.
 2326 := $((aa + aa + a) \times aaaa / aa + a + a + a) / a$.
 2327 := $((aa + aa - a) \times aaa / a - a - a - a - a) / a$.
 2328 := $((aa + aa - a) \times aaa / a - a - a - a) / a$.
 2329 := $((aa + aa - a) \times aaa / a - a - a) / a$.
 2330 := $((aa + aa - a) \times aaa / a - a) / a$.
 2331 := $(aa + aa - a) \times aaa / (a \times a)$.
 2332 := $((aa + aa - a) \times aaa / a + a) / a$.
 2333 := $(aaaa + aaaa + aaa) / a$.
 2334 := $(aaaa + aaaa + aaa + a) / a$.
 2335 := $(aaaa + aaaa + aaa + a + a) / a$.
 2336 := $(aaaa + aaaa + aaa + a + a + a) / a$.
 2337 := $(aaaa + aaaa + aaa + a + a + a + a) / a$.
 2338 := $(aaaa + aaaa + aaa + a + a + a + a + a) / a$.
 2339 := $((aaa + aaa + aa + a) \times (aa - a) / a - a) / a$.
 2340 := $(aaa + aaa + aa + a) \times (aa - a) / (a \times a)$.
 2341 := $((aaa + aaa + aa + a) \times (aa - a) / a + a) / a$.
 2342 := $(aaaa + aaaa + aaa + aa - a - a) / a$.
 2343 := $(aaaa + aaaa + aaa + aa + aa - a) / a$.
 2344 := $(aaaa + aaaa + aaa + aa) / a$.
 2345 := $((aaaa + a) \times (a + a) + aa \times aa) / (a \times a)$.
 2346 := $(aaaa + aa) \times (aa + aa + a) / (aa \times a)$.
 2347 := $((aaaa + a + a) \times (a + a) + aa \times aa) / (a \times a)$.
 2348 := $((aaaa + aa) \times (aa + aa + a) / aa + a + a) / a$.
 2349 := $((aa + aa - a) \times (aaa + a) / a - a - a - a) / a$.
 2350 := $((aa + aa - a) \times (aaa + a) / a - a - a) / a$.
 2351 := $((aa + aa - a) \times (aaa + a) / a - a) / a$.
 2352 := $(aa + aa - a) \times (aaa + a) / (a \times a)$.
 2353 := $((aa + aa - a) \times (aaa + a) / a + a) / a$.
 2354 := $(aaaa + aaaa + aaa + aa + aa - a) / a$.
 2355 := $(aaaa + aaaa + aaa + aa + aa) / a$.
 2356 := $(aaaa + aaaa + aaa + aa + aa + a) / a$.
 2357 := $((aaaa + aa) \times (aa + aa + a) / aa + aa) / a$.
 2358 := $((aaaa + aa) \times (aa + aa + a) / aa + aa + a) / a$.
 2359 := $((aaaa + aa + a + a) \times (aa + aa) / aa + aaaa) / a$.
 2360 := $(aaa + aaa + aa + a + a + a) \times (aaa - a) / (aa \times a)$.
 2361 := $((aaaa + aa - a) \times (a + a) + aa \times aa) / a - a - a) / a$.
 2362 := $((aaaa + aa - a) \times (a + a) + aa \times aa) / a - a) / a$.
 2363 := $((aaaa + aa - a) \times (a + a) + aa \times aa) / (a \times a)$.
 2364 := $((aaaa + aa) \times (a + a) + aa \times aa) / a - a) / a$.
 2365 := $((aaaa + aa) \times (a + a) + aa \times aa) / (a \times a)$.
 2366 := $(aaaa \times (a + a) + (aa + a) \times (aa + a)) / (a \times a)$.
 2367 := $((aaaa + aa + a) \times (a + a) + aa \times aa) / (a \times a)$.
 2368 := $((aaaa + aa + aa) \times (aa + aa + a) / aa - a) / a$.
 2369 := $(aaaa + aa + aa) \times (aa + aa + a) / (aa \times a)$.
 2370 := $((aaaa + aa + aa) \times (aa + aa + a) / aa + a) / a$.
 2371 := $((aaa + a + a) \times (aa + aa - a) / a - a - a) / a$.
 2372 := $((aaa + a + a) \times (aa + aa - a) / a - a) / a$.
 2373 := $(aaa + a + a) \times (aa + aa - a) / (a \times a)$.
 2374 := $((aaa + a + a) \times (aa + aa - a) / a + a) / a$.
 2375 := $((aaa - a - a - a) \times (aa + aa) / a - a) / a$.
 2376 := $(aaa - a - a - a) \times (aa + aa) / (a \times a)$.
 2377 := $((aaa - a - a - a) \times (aa + aa) / a + a) / a$.
 2378 := $(aaaa + aaa - aa - aa - aa) \times (a + a) / (a \times a)$.
 2379 := $(aaa - a - a - a) \times (aa + aa) / a + a + a + a) / a$.
 2380 := $((aaa - a - a - a) \times (aa + aa) / a + a + a + a + a) / a$.
 2381 := $((aaa + a + a) \times (aa + aa - a) / a - a - a - a + aa) / a$.
 2382 := $((aaa + a + a) \times (aa + aa - a) / a - a - a + aa) / a$.
 2383 := $((aaa + a + a) \times (aa + aa - a) / a - a + aa) / a$.
 2384 := $((aaa + a + a) \times (aa + aa - a) / a + aa) / a$.
 2385 := $((aaa + a + a) \times (aa + aa - a) / a + aa + a) / a$.
 2386 := $((aaa - a - a) \times (aa + aa) / a - aa - a) / a$.
 2387 := $((aaa - a - a) \times (aa + aa) / a - aa) / a$.
 2388 := $((aaa - a - a) \times (aa + aa) / a - aa + a) / a$.

- 2389 := $((aaa - a - a) \times (aa + aa)/a - aa + a + a)/a$.
 2390 := $((aaa - a - a) \times (aa + aa)/a - aa + a + a + a)/a$.
 2391 := $((aaa + a + a + a) \times (aa + aa - a)/a - a - a - a)/a$.
 2392 := $((aaa + a + a + a) \times (aa + aa - a)/a - a - a)/a$.
 2393 := $((aaa + a + a + a) \times (aa + aa - a)/a - a)/a$.
 2394 := $((aaa + a + a + a) \times (aa + aa - a)/(a \times a))$.
 2395 := $((aaa + a + a + a) \times (aa + aa - a)/a + a)/a$.
 2396 := $((aaa - a - a) \times (aa + aa)/a - a - a)/a$.
 2397 := $((aaa - a - a) \times (aa + aa)/a - a)/a$.
 2398 := $((aaa - a - a) \times (aa + aa)/(a \times a))$.
 2399 := $((aaa - a - a) \times (aa + aa)/a + a)/a$.
 2400 := $((aa + aa + a + a) \times (aaa - aa)/(a \times a))$.
 2401 := $((aa + aa + a + a) \times (aaa - aa)/a + a)/a$.
 2402 := $((aaaa \times (aa + a)/aa - aa) \times (a + a)/(a \times a))$.
 2403 := $((aaaa \times (aa + a)/aa - aa) \times (a + a)/a + a)/a$.
 2404 := $((aaaa \times (aa + a)/aa - aa) \times (a + a)/a + a + a)/a$.
 2405 := $((aaaa - a) \times (aa + a + a)/(a + a + a) \times (a + a))$.
 2406 := $((aaaa - a) \times aa/(aa + a) + aaaa + a + a)/(a + a + a)$.
 2407 := $((aaaa + aaaa) \times (aa + a)/(a + a) - aaa)/(a + a + a)$.
 2408 := $((aaaa + a)/(a + a + a + a) - (aaaa - a)/(a + a + a))$.
 2409 := $((aaaa + a) \times (aa + a + a)/(a + a) - a)/(a + a + a)$.
 2410 := $((aaaa + a) \times (aa + a + a)/(a + a) + a + a)/(a + a + a)$.
 2411 := $((aaaa + aaaa - aa) \times (aa + a)/aa - a)/a$.
 2412 := $((aaaa/aa \times (a + a) - a) \times (aa + a)/(a \times a))$.
 2413 := $((aaaa + aaaa) \times (aa + a)/aa - aa)/a$.
 2414 := $((aaaa + aaaa) \times (aa + a)/aa - aa + a)/a$.
 2415 := $((aaaa + aaaa) \times (aa + a)/aa - aa + a + a)/a$.
 2416 := $((aa + aa) \times (aaa - a)/a - a - a - a - a)/a$.
 2417 := $((aa + aa) \times (aaa - a)/a - a - a - a)/a$.
 2418 := $((aa + aa) \times (aaa - a)/a - a - a)/a$.
 2419 := $((aa + aa) \times (aaa - a)/a - a)/a$.
 2420 := $((aa + aa) \times (aaa - a)/(a \times a))$.
 2421 := $((aa + aa) \times (aaa - a)/a + a)/a$.
 2422 := $((aaaa + aaaa - aa) \times (a + a)/(a \times a))$.
 2423 := $((aaaa + aaaa) \times (aa + a)/aa - a)/a$.
 2424 := $(aaaa \times (aa + a) \times (a + a)/(aa \times a \times a))$.
 2425 := $((aaaa + aaaa) \times (aa + a)/aa + a)/a$.
 2426 := $((aaaa \times (aa + a)/aa + a) \times (a + a)/(a \times a))$.
 2427 := $((aaaa \times (aa + a)/aa + a) \times (a + a)/a + a)/a$.
 2428 := $((aaaa \times (aa + a)/aa + a) \times (a + a)/a + a + a)/a$.
 2429 := $((aaa + aaaa - a) \times (aaa - a)/(aa - a) - a - a)/a$.
 2430 := $((aaa + aaaa - a) \times (aaa - a)/(aa - a) - a)/a$.
 2431 := $((aaa + aaaa - a) \times (aaa - a)/(aa - a) \times a)$.
 2432 := $((aaa + aaaa - a) \times (aaa - a)/(aa - a) + a)/a$.
 2433 := $((aaaa + aaaa + aaaa + aaaa - aa)/a$.
 2434 := $((aa + aa + a) \times aaaa/aa + aaaa)/a$.
 2435 := $((aaaa + aaaa) \times (aa + a)/aa + aa)/a$.
 2436 := $((aaaa/aa \times (a + a) + a) \times (aa + a)/(a \times a))$.
 2437 := $((aa + aa) \times aaa/a - a - a - a - a - a)/a$.
 2438 := $((aa + aa) \times aaa/a - a - a - a - a)/a$.
 2439 := $((aa + aa) \times aaa/a - a - a - a)/a$.
 2440 := $((aa + aa) \times aaa/a - a - a)/a$.
 2441 := $((aa + aa) \times aaa/a - a)/a$.
 2442 := $((aa + aa) \times aaa/(a \times a))$.
 2443 := $((aa + aa) \times aaa/a + a)/a$.
 2444 := $((aaaa + aaaa) \times (a + a)/(a \times a))$.
 2445 := $((aaaa + aaaa + aaaa + aaaa + a)/a$.
 2446 := $((aaaa + aaaa + a) \times (a + a)/(a \times a))$.
 2447 := $((aaaa + aaaa + a + a) \times (a + a)/a - a)/a$.
 2448 := $((aaaa + aaaa + a + a) \times (a + a)/(a \times a))$.
 2449 := $((aaaa + aaaa + a + a) \times (a + a)/a + a)/a$.
 2450 := $((aa + aa) \times aaa/a + aa - a - a - a)/a$.
 2451 := $((aa + aa) \times aaa/a + aa - a - a)/a$.
 2452 := $((aa + aa) \times aaa/a + aa - a)/a$.
 2453 := $((aa + aa) \times aaa/a + aa)/a$.
 2454 := $((aa + aa) \times aaa/a + aa + a)/a$.
 2455 := $((aa + aa) \times aaa/a + aa + a + a)/a$.
 2456 := $((aa + aa) \times aaa/a + aa + a + a + a)/a$.
 2457 := $((aa + aa) \times aaa/a + aa + a + a + a + a)/a$.
 2458 := $((aa + aa) \times aaa/a + aa + a + a + a + a + a)/a$.
 2459 := $((aa + aa) \times (aaa + a)/a - a - a - a - a - a)/a$.
 2460 := $((aa + aa) \times (aaa + a)/a - a - a - a - a)/a$.
 2461 := $((aa + aa) \times (aaa + a)/a - a - a - a)/a$.
 2462 := $((aa + aa) \times (aaa + a)/a - a - a)/a$.
 2463 := $((aa + aa) \times (aaa + a)/a - a)/a$.
 2464 := $((aa + aa) \times (aaa + a)/(a \times a))$.
 2465 := $((aa + aa) \times (aaa + a)/a + a)/a$.
 2466 := $((aa + aa) \times (aaa + a)/a + a + a)/a$.
 2467 := $((aa + aa) \times (aaa + a)/a + a + a + a)/a$.
 2468 := $((aaaa + aaaa + aa + a) \times (a + a)/(a \times a))$.
 2469 := $((aaaa + aaaa + aa + a) \times (a + a)/a + a)/a$.
 2470 := $((aaaa + aaaa + aa + a + a) \times (a + a)/(a \times a))$.
 2471 := $((aaaa + aaaa + aa + a + a) \times (a + a)/a + a)/a$.
 2472 := $((aa + aa) \times (aaa + a)/a + aa - a - a - a)/a$.
 2473 := $((aa + aa) \times (aaa + a)/a + aa - a - a)/a$.
 2474 := $((aa + aa) \times (aaa + a)/a + aa - a)/a$.
 2475 := $((aa + aa) \times (aaa + a)/a + aa)/a$.
 2476 := $((aa + aa) \times (aaa + a)/a + aa + a)/a$.
 2477 := $((aa + aa) \times (aaa + a)/a + aa + a + a)/a$.
 2478 := $((aa + aa) \times (aaa + a)/a + aa + a + a + a)/a$.
 2479 := $(aaa \times aaa/(aa - a - a) + aaaa - a)/a$.
 2480 := $(aaa \times aaa/(aa - a - a) + aaaa)/a$.
 2481 := $(aaa \times aaa/(aa - a - a) + aaaa + a)/a$.
 2482 := $((aaa + a + a) \times (aa + aa)/a - a - a - a - a)/a$.
 2483 := $((aaa + a + a) \times (aa + aa)/a - a - a - a)/a$.
 2484 := $((aaa + a + a) \times (aa + aa)/a - a - a)/a$.
 2485 := $((aaa + a + a) \times (aa + aa)/a - a)/a$.
 2486 := $((aaa + a + a) \times (aa + aa)/(a \times a))$.
 2487 := $((aaa + a + a) \times (aa + aa)/a + a)/a$.
 2488 := $((aaaa + aaaa + aa + aa) \times (a + a)/(a \times a))$.
 2489 := $((aaaa + aaaa + aa + aa) \times (a + a)/a + a)/a$.
 2490 := $((aaaa + aaaa + aa + aa + a) \times (a + a)/(a \times a))$.
 2491 := $(aaa \times aaa/(aa - a - a) + aaaa + aa)/a$.
 2492 := $(aaa - aa - aa) \times (aaa + a)/(a + a + a + a) \times a$.
 2493 := $(a - aaaa + a + a) \times (a - aa + a)/(a + a + a + a) \times a$.
 2494 := $((aaaa + aaaa + aaaa + aaaa)/(aa - a) \times (a + a)/a$.
 2495 := $((aaaa - aaaa)/(a + a + a + a) - (aa - a)/(a + a))$.
 2496 := $((aaaa - a) \times aa/(a + a) - aaaa)/(a + a) - a/a$.
 2497 := $((aaaa - a) \times aa/(a + a) - aaaa)/(a + a)$.
 2498 := $((aaaa - aaaa)/(a + a + a + a) - (a + a)/a$.
 2499 := $(aaaaa - aaaa)/(a + a + a + a) - a/a$.
 2500 := $(aaaaa - aaaa)/(a + a + a + a)$.
 2501 := $((aaaaa - aaaa)/(a + a) \times a + a + a)/(a + a)$.
 2502 := $((aaaa + a) \times (aa - a - a)/(a + a)/(a + a))$.
 2503 := $((aaaaa - aaaa + aa + a)/(a + a + a + a))$.
 2504 := $((aaa - a - a) \times (aa + aa + a)/a - a - a - a)/a$.
 2505 := $((aaa - a - a) \times (aa + aa + a)/a - a - a)/a$.
 2506 := $((aaa - a - a) \times (aa + aa + a)/a - a)/a$.
 2507 := $((aaa - a - a) \times (aa + aa + a)/(a \times a))$.
 2508 := $((aaa + a + a + a) \times (aa + aa)/(a \times a))$.
 2509 := $((aaa + a + a + a) \times (aa + aa)/a + a)/a$.
 2510 := $((aaa + a + a + a) \times (aa + aa)/a + a + a)/a$.
 2511 := $((aaa + a + a + a) \times (aa + aa)/a + a + a + a)/a$.
 2512 := $((aaa + a + a + a) \times (aa + aa)/a + a + a + a + a)/a$.
 2514 := $((aa + aa + a + a + a) \times aaaa/aa - aa - a)/a$.
 2514 := $((aa + aa + a + a + a) \times aaaa/aa - aa)/a$.
 2515 := $((aa + aa + a + a + a) \times aaaa/aa - aa + a)/a$.
 2516 := $(aaa \times aaa/(aa - a - a) - aaaa) \times (a + a)/(a \times a)$.

- 2517 := $((aaa + aaa - aa - a) \times (aa + a)/a - a - a - a)/a$.
 2518 := $((aaa + aaa - aa - a) \times (aa + a)/a - a - a)/a$.
 2519 := $((aaa + aaa - aa - a) \times (aa + a)/a - a)/a$.
 2520 := $(aaa + aaa - aa - a) \times (aa + a)/(a \times a)$.
 2521 := $((aaa + aaa - aa - a) \times (aa + a)/a + a)/a$.
 2522 := $((aa + aa + a + a + a) \times aaaa/aa - a - a - a)/a$.
 2523 := $((aa + aa + a + a + a) \times aaaa/aa - a - a)/a$.
 2524 := $((aa + aa + a + a + a) \times aaaa/aa - a)/a$.
 2525 := $(aa + aa + a + a + a) \times aaaa/(aa \times a)$.
 2526 := $((aa + aa + a + a + a) \times aaaa/aa + a)/a$.
 2527 := $((aa + aa + a) \times (aaa - a)/a - a - a - a)/a$.
 2528 := $((aa + aa + a) \times (aaa - a)/a - a - a)/a$.
 2529 := $((aa + aa + a) \times (aaa - a)/a - a)/a$.
 2530 := $(aa + aa + a) \times (aaa - a)/(a \times a)$.
 2531 := $((aa + aa + a) \times (aaa - a)/a + a)/a$.
 2532 := $(aaa + aaa - aa) \times (aa + a)/(a \times a)$.
 2533 := $((aaa + aaa - aa) \times (aa + a)/a + a)/a$.
 2534 := $((aaa + aaa - aa) \times (aa + a)/a + a + a)/a$.
 2535 := $((aaa + aaa - aa) \times (aa + a)/a + a + a + a)/a$.
 2536 := $((aaaa + aaaa) \times (aa + a)/aa + aaa + a)/a$.
 2537 := $((aa + aa + a) \times aaa/a - aa - a - a - a - a - a)/a$.
 2538 := $((aa + aa + a) \times aaa/a - aa - a - a - a - a - a)/a$.
 2539 := $((aa + aa + a) \times aaa/a - aa - a - a - a - a)/a$.
 2540 := $((aa + aa + a) \times aaa/a - aa - a - a)/a$.
 2541 := $((aa + aa + a) \times aaa/a - aa - a)/a$.
 2542 := $((aa + aa + a) \times aaa/a - aa)/a$.
 2543 := $((aa + aa + a) \times aaa/a - aa + a)/a$.
 2544 := $((aa + aa + a) \times aaa/a - aa + a + a)/a$.
 2545 := $((aa + aa + a) \times aaa/a - aa + a + a + a)/a$.
 2546 := $((aa + aa + a) \times aaa/a - aa + a + a + a + a)/a$.
 2547 := $((aa + aa + a) \times aaa/a - aa + a + a + a + a + a)/a$.
 2548 := $((aa + aa + a) \times aaa/a - a - a - a - a - a - a)/a$.
 2549 := $((aa + aa + a) \times aaa/a - a - a - a - a - a)/a$.
 2550 := $((aa + aa + a) \times aaa/a - a - a - a - a)/a$.
 2551 := $((aa + aa + a) \times aaa/a - a - a)/a$.
 2552 := $((aa + aa + a) \times aaa/a - a)/a$.
 2553 := $(aa + aa + a) \times aaa/(a \times a)$.
 2554 := $((aa + aa + a) \times aaa/a + a)/a$.
 2555 := $((aa + aa + a) \times aaa/a + a + a)/a$.
 2556 := $((aa + aa + a) \times aaa/a + a + a + a)/a$.
 2557 := $((aa + aa + a) \times aaa/a + a + a + a + a)/a$.
 2558 := $((aa + aa + a) \times aaa/a + a + a + a + a + a)/a$.
 2559 := $((aa + aa - a) \times (aaa + aa)/a - a - a - a)/a$.
 2560 := $((aa + aa - a) \times (aaa + aa)/a - a - a)/a$.
 2561 := $((aa + aa - a) \times (aaa + aa)/a - a)/a$.
 2562 := $(aa + aa - a) \times (aaa + aa)/(a \times a)$.
 2563 := $(aaa + aaa + aa) \times aa/(a \times a)$.
 2564 := $((aaa + aaa + aa) \times aa/a + a)/a$.
 2565 := $((aaa + aaa + aa) \times aa/a + a + a)/a$.
 2566 := $((aaa + aaa + aa) \times aa/a + a + a + a)/a$.
 2567 := $((aaa + aaa + aa) \times aa/a + a + a + a + a)/a$.
 2568 := $((aaa + aaa + aa) \times aa/a + a + a + a + a + a)/a$.
 2569 := $((aaa + aaa + aa) \times aa/a + a + a + a + a + a + a)/a$.
 2570 := $((aaa + aaa + aa) \times aa/a + aa - a - a - a - a - a)/a$.
 2571 := $((aaa + aaa + aa) \times aa/a + aa - a - a - a - a - a)/a$.
 2572 := $((aaa + aaa + aa) \times aa/a + aa - a - a)/a$.
 2573 := $((aaa + aaa + aa) \times aa/a + aa - a)/a$.
 2574 := $(aaa + aaa + aa + a) \times aa/(a \times a)$.
 2575 := $((aa + aa + a) \times (aaa + a)/a - a)/a$.
 2576 := $(aa + aa + a) \times (aaa + a)/(a \times a)$.
 2577 := $((aa + aa + a) \times (aaa + a)/a + a)/a$.
 2578 := $((aa + aa + a) \times (aaa + a)/a + a + a)/a$.
 2579 := $((aa + aa + a) \times (aaa + a)/a + a + a + a)/a$.
 2580 := $((aa + aa + a) \times (aaa + a)/a + a + a + a + a)/a$.
 2581 := $((aaa + aa + a) \times (aa + aa - a)/a - a - a - a)/a$.
 2582 := $((aaa + aa + a) \times (aa + aa - a)/a - a)/a$.
 2583 := $(aaa + aa + a) \times (aa + aa - a)/(a \times a)$.
 2584 := $((aaa + aa + a) \times (aa + aa - a)/a + a)/a$.
 2585 := $(aaa + aaa + aa + a + a) \times aa/(a \times a)$.
 2586 := $((aaa + aaa + aa + a + a) \times aa/a + a)/a$.
 2587 := $((aaa + aaa + aa + a + a) \times aa/a + a + a)/a$.
 2588 := $((aaa + aaa + aa + a + a) \times aa/a + a + a + a)/a$.
 2589 := $((aaa + aaa + aa + a + a) \times aa/a + a + a + a + a)/a$.
 2590 := $((aa + aa + a + a) \times (aaa - a - a - a)/a - a - a)/a$.
 2591 := $((aa + aa + a + a) \times (aaa - a - a - a)/a - a)/a$.
 2592 := $(aa + aa + a + a) \times (aaa - a - a - a)/(a \times a)$.
 2593 := $((aa + aa + a + a) \times (aaa - a - a - a)/a + a)/a$.
 2594 := $((aa + aa + a + a) \times (aaa - a - a - a)/a + a + a)/a$.
 2595 := $((aaa + a + a) \times (aa + aa + a)/a - a - a - a - a)/a$.
 2596 := $((aaa + a + a) \times (aa + aa + a)/a - a - a - a)/a$.
 2597 := $((aaa + a + a) \times (aa + aa + a)/a - a - a)/a$.
 2599 := $((aaa + a + a) \times (aa + aa + a)/a - a)/a$.
 2599 := $(aaa + a + a) \times (aa + aa + a)/(a \times a)$.
 2600 := $((aaa + a + a) \times (aa + aa + a)/a + a)/a$.
 2601 := $((aaa + a + a) \times (aa + aa + a)/a + a + a)/a$.
 2602 := $((aaa + a + a) \times (aa + aa + a)/a + a + a + a)/a$.
 2603 := $((aaa + aa + a + a) \times (aa + aa - a)/a - a)/a$.
 2604 := $(aaa + aa + a + a) \times (aa + aa - a)/(a \times a)$.
 2605 := $((aaa + aa + a + a) \times (aa + aa - a)/a + a)/a$.
 2606 := $((aaa + aa + a + a) \times (aa + aa - a)/a + a + a)/a$.
 2607 := $((aaa + aa + a + a) \times (aa + aa - a)/a + a + a + a)/a$.
 2608 := $((aaa + a) \times aaa/(a + a) - aaaa + aaaa)/(a + a)$.
 2609 := $(aaa/(a + a + a) \times aaa + aaaa)/(a + a)$.
 2610 := $(aaa/(a + a + a) \times aaa + aaaa + a + a + a)/(a + a)$.
 2611 := $(aaaaa - aaa \times (aa + a))/(a + a) - a)/(a + a + a + a)$.
 2612 := $((aaaa + aaaa - aa) \times (aa + a + a)/aa - a)/a$.
 2613 := $(aaaa/aa \times (a + a) - a) \times (aa + a + a)/(a \times a)$.
 2614 := $((aaaa + aaaa - aa) \times (aa + a + a)/aa + a)/a$.
 2615 := $((aaaa + aaaa) \times (aa + a + a)/aa - aa)/a$.
 2616 := $(aa + aa + a + a) \times (aaa - a - a)/(a \times a)$.
 2617 := $((aa + aa + a + a) \times (aaa - a - a)/a + a)/a$.
 2618 := $((aa + aa + a + a) \times (aaa - a - a)/a + a + a)/a$.
 2619 := $((aaa + a + a + a) \times (aa + aa + a)/a - a - a - a)/a$.
 2620 := $((aaa + a + a + a) \times (aa + aa + a)/a - a - a)/a$.
 2621 := $((aaa + a + a + a) \times (aa + aa + a)/a - a)/a$.
 2622 := $(aaa + a + a + a) \times (aa + aa + a)/(a \times a)$.
 2623 := $((aaa + a + a + a) \times (aa + aa + a)/a + a)/a$.
 2624 := $(aaaa \times (aa + a + a)/aa - a) \times (a + a)/(a \times a)$.
 2625 := $((aaaa + aaaa) \times (aa + a + a)/aa - a)/a$.
 2626 := $aaaa \times (aa + a + a)/aa \times (a + a)/(a \times a)$.
 2627 := $((aaaa + aaaa) \times (aa + a + a)/aa + a)/a$.
 2628 := $((aa + aa + a + a) \times (aaa - a - a)/a + aa + a)/a$.
 2629 := $((aa + aa + a + a) \times (aaa - a - a)/a + aa + a + a)/a$.
 2630 := $((aa + aa + a + a) \times (aaa - a - a)/a + aa + a + a + a)/a$.
 2631 := $((aa + aa + a + a) \times (aaa - a - a)/a + aa + a + a + a + a)/a$.
 2632 := $(aaa + aaaa + aa + a + a) \times (aaa + a)/(aa - a) \times a$.
 2633 := $((aaa + a) \times aaa/(a + a + a) + aaaa + aa)/(a + a)$.
 2634 := $(aaaa - aaa - aaa - aa) \times (a + a + a)/(a \times a)$.
 2635 := $((aa + aa + a + a + a) \times aaaa/aa + aaa - a)/a$.
 2636 := $((aa + aa + a + a + a) \times aaaa/aa + aaaa)/a$.
 2637 := $((aaaa + aaaa) \times (aa + a + a)/aa + aa)/a$.
 2638 := $((aaaa + aaaa + aa) \times (aa + a + a)/aa - a)/a$.
 2639 := $(aaaa + aaaa + aa) \times (aa + a + a)/(aa \times a)$.
 2640 := $((aaaa + aaaa + aa) \times (aa + a + a)/aa + a)/a$.
 2641 := $((aaaa + aaaa + aaaa - aa) \times (a + a)/a - a - a - a)/a$.
 2642 := $((aaaa + aaaa + aaaa - aa) \times (a + a)/a - a - a)/a$.
 2643 := $((aaaa + aaaa + aaaa - aa) \times (a + a)/a - a)/a$.

- 2644 := $(aaaa + aaa + aa - a) \times (a + a)/(a \times a)$.
 2645 := $(aaaaaa/(aa + aa - a) \times a - a)/(a + a)$.
 2646 := $(aaaaaa/(aa + aa - a) \times a + a)/(a + a)$.
 2647 := $((aaa + aaa - a) \times (aa + a)/a - a - a - a - a - a)/a$.
 2648 := $((aaa + aaa - a) \times (aa + a)/a - a - a - a - a - a)/a$.
 2649 := $((aaa + aaa - a) \times (aa + a)/a - a - a - a - a)/a$.
 2650 := $((aaa + aaa - a) \times (aa + a)/a - a - a)/a$.
 2651 := $((aaa + aaa - a) \times (aa + a)/a - a)/a$.
 2652 := $(aaa + aaa - a) \times (aa + a)/(a \times a)$.
 2653 := $((aaa + aaa - a) \times (aa + a)/a + a)/a$.
 2654 := $((aaa + aaa - a) \times (aa + a)/a + a + a)/a$.
 2655 := $((aaa + aaa - a) \times (aa + a)/a + a + a + a)/a$.
 2656 := $((aaa + aaa - a) \times (aa + a)/a + a + a + a + a)/a$.
 2657 := $((aa + aa) \times aa \times aa/(a \times a) - a - a - a - a - a)/a$.
 2658 := $((aa + aa) \times aa \times aa/(a \times a) - a - a - a - a - a)/a$.
 2659 := $((aa + aa) \times aa \times aa/(a \times a) - a - a - a)/a$.
 2660 := $((aa + aa) \times aa \times aa/(a \times a) - a - a)/a$.
 2661 := $((aa + aa) \times aa \times aa/(a \times a) - a)/a$.
 2662 := $(aa + aa) \times aa \times aa/(a \times a \times a)$.
 2663 := $((aa + aa) \times aa \times aa/(a \times a) + a)/a$.
 2664 := $(aaa + aaa) \times (aa + a)/(a \times a)$.
 2665 := $((aaa + aaa) \times (aa + a)/a + a)/a$.
 2666 := $(aaaa + aaa + aaa) \times (a + a)/(a \times a)$.
 2667 := $((aaaa + aaa + aaa) \times (aa + aa)/aa + a)/a$.
 2668 := $(aaaa + aaa + aaa + a) \times (a + a)/(a \times a)$.
 2669 := $(aaaaaa \times (aa - a - a - a)/aaa - a)/(a + a + a)$.
 2670 := $(aaaa + aaa + aaa + a + a) \times (a + a)/(a \times a)$.
 2671 := $((aaa + aaa + aa + aa - a) \times aa/a - a - a)/a$.
 2672 := $((aaa + aaa + aa + aa - a) \times aa/a - a)/a$.
 2673 := $(aaa + aaa + aa + aa - a) \times aa/(a \times a)$.
 2674 := $((aaa + aaa + a) \times (aa + a)/a - a - a)/a$.
 2675 := $((aaa + aaa + a) \times (aa + a)/a - a)/a$.
 2676 := $(aaa + aaa + a) \times (aa + a)/(a \times a)$.
 2677 := $((aaa + aaa + a) \times (aa + a)/a + a)/a$.
 2678 := $((aaa + aaa + a) \times (aa + a)/a + a + a)/a$.
 2679 := $((aaa + aaa + a) \times (aa + a)/a + a + a + a)/a$.
 2680 := $((aaa + aa) \times (aa + aa)/a - a - a - a - a - a)/a$.
 2681 := $((aaa + aa) \times (aa + aa)/a - a - a - a - a)/a$.
 2682 := $((aaa + aa) \times (aa + aa)/a - a - a)/a$.
 2683 := $((aaa + aa) \times (aa + aa)/a - a)/a$.
 2684 := $(aaa + aa) \times (aa + aa)/(a \times a)$.
 2685 := $((aaa + aa) \times (aa + aa)/a + a)/a$.
 2686 := $((aaa + aa) \times (aa + aa)/a + a + a)/a$.
 2687 := $((aa + aa + a + a) \times (aaa + a)/a - a)/a$.
 2688 := $(aa + aa + a + a) \times (aaa + a)/(a \times a)$.
 2689 := $((aa + aa + a + a) \times (aaa + a)/a + a)/a$.
 2690 := $((aa + aa + a + a) \times (aaa + a)/a + a + a)/a$.
 2691 := $((aa + aa + a + a) \times (aaa + a)/a + a + a + a)/a$.
 2692 := $((aa + aa + a + a) \times (aaa + a)/a + a + a + a + a)/a$.
 2693 := $((a - aaaaa) \times (a - aa + a + a)/aa - a)/(a + a + a)$.
 2694 := $(aaaaa + a)/(a + a + a) + (a - aaaaa)/aa$.
 2695 := $(aaa + aaa + aa + aa + a) \times aa/(a \times a)$.
 2696 := $((aaa + aaa + aa + aa + a) \times aa/a + a)/a$.
 2697 := $((aaa + aaa + aa + aa + a) \times aa/a + a + a)/a$.
 2698 := $((aaa + aaa + aa + aa + a) \times aa/a + a + a + a)/a$.
 2699 := $((aaa + aaa + a + a + a) \times (aa + a)/a - a)/a$.
 2700 := $(aaa + aaa + a + a + a) \times (aa + a)/(a \times a)$.
 2701 := $((aaa + aaa + a + a + a) \times (aa + a)/a + a)/a$.
 2702 := $((aaa + aaa + a + a + a) \times (aa + a)/a + a + a)/a$.
 2703 := $((aaa + aa + a) \times (aa + aa)/a - a - a - a - a)/a$.
 2704 := $((aaa + aa + a) \times (aa + aa)/a - a - a)/a$.
 2705 := $((aaa + aa + a) \times (aa + aa)/a - a)/a$.
 2706 := $(aaa + aa + a) \times (aa + aa)/(a \times a)$.
 2707 := $((aaa + aa + a) \times (aa + aa)/a + a)/a$.
 2708 := $((aaa + aa + a) \times (aa + aa)/a + a + a)/a$.
 2709 := $((aa + aa + a + a) \times (aaa + a + a)/a - a - a - a - a)/a$.
 2710 := $((aa + aa + a + a) \times (aaa + a + a)/a - a - a)/a$.
 2711 := $((aa + aa + a + a) \times (aaa + a + a)/a - a)/a$.
 2712 := $(aa + aa + a + a) \times (aaa + a + a)/(a \times a)$.
 2713 := $((aa + aa + a + a) \times (aaa + a + a)/a + a)/a$.
 2714 := $((aa + aa + a + a) \times (aaa + a + a)/a + a + a)/a$.
 2715 := $((aaaaa + aaaa)/(aa - a - a) \times (a + a) - a)/a$.
 2716 := $(aaaaa + aaaa)/(aa - a - a) \times (a + a)/a$.
 2717 := $(aaaa + aaaa + a)/(a + a + a) \times aa/(a + a + a)$.
 2718 := $((aaa + a + a) \times (aa + aa + a) + aa \times aa)/a - a - a)/a$.
 2719 := $((aaa + a + a) \times (aa + aa + a) + aa \times aa)/a - a)/a$.
 2720 := $((aaa + a + a) \times (aa + aa + a) + aa \times aa)/(a \times a)$.
 2721 := $((aaaa + a + a) \times (aa + aa)/(a + a + a) + a)/(a + a + a)$.
 2722 := $(aaaaa - aaa - aaa - a)/(a + a + a + a)$.
 2723 := $(aaaaa + a)/(a + a + a + a) - (aaa - a)/(a + a)$.
 2724 := $(aaaaa - aaaa - aa - a) \times (a + a + a)/(aa \times a)$.
 2725 := $(aa + aa + a + a + a) \times (aaa - a - a)/(a \times a)$.
 2726 := $((aaa + aa + a + a) \times (aa + aa)/a - a - a)/a$.
 2727 := $((aaa + aa + a + a) \times (aa + aa)/a - a)/a$.
 2728 := $(aaa + aa + a + a) \times (aa + aa)/(a \times a)$.
 2729 := $((aaa + aa + a + a) \times (aa + aa)/a + a)/a$.
 2730 := $(aaa + aaa - aa - a) \times (aa + a + a)/(a \times a)$.
 2731 := $((aaa + aaa - aa - a) \times (aa + a + a)/a + a)/a$.
 2732 := $((aaa + aaa - aa - a) \times (aa + a + a)/a + a + a)/a$.
 2733 := $((aaa + aaa - aa - a) \times (aa + a + a)/a + a + a + a)/a$.
 2734 := $((aaa + aaaa)/(a + a + a) \times aaa - aa - a)/(a + a + a)$.
 2735 := $((aaa + aaa) \times aaa/(aa - a - a) - a - a - a)/a$.
 2736 := $((aaa \times aaa)/(aa - a - a) - a) \times (a + a)/(a \times a)$.
 2737 := $((aaa + aaa) \times aaa/(aa - a - a) - a)/a$.
 2738 := $(aaa + aaa) \times aaa/(aa - a - a) \times a$.
 2739 := $((aaa + aaa) \times aaa/(aa - a - a) + a)/a$.
 2740 := $((aaa + aaa) \times aaa/(aa - a - a) + a + a)/a$.
 2741 := $(aaaaa + a)/(a + a + a + a) - aaa/(a + a + a)$.
 2742 := $((aaa + aaa - aa) \times (aa + a + a)/a - a)/a$.
 2743 := $(aaa + aaa - aa) \times (aa + a + a)/(a \times a)$.
 2744 := $((aaa + aaa - aa) \times (aa + a + a)/a + a)/a$.
 2745 := $((aaa + aaa - aa) \times (aa + a + a)/a + a + a)/a$.
 2746 := $((aaa + aaa - aa) \times (aa + a + a)/a + a + a + a)/a$.
 2747 := $(aaaaa - aaaa - aa - a)/(a + a + a + a)$.
 2748 := $(aaaaa - aaaa)/(a + a + a + a) - (a + a)/a$.
 2749 := $(aaaaa - aaaa)/(a + a + a + a) - a/a$.
 2750 := $(aaaaa - aaaa)/(a + a + a + a)$.
 2751 := $(aaaaa - aaaa)/(a + a + a + a) + a/a$.
 2752 := $(aaaaa - aaaa)/(a + a + a + a) + (a + a)/a$.
 2753 := $(aaaaa - aaaa + aa + a)/(a + a + a + a)$.
 2754 := $((aaaaaa + aa) \times (a + a + a)/aa - aa - a)/aa$.
 2755 := $(aaaaaa \times (a + a + a)/aa + a + a)/aa$.
 2756 := $(aaaaaa \times (a + a + a)/aa + a + a)/aa + a/a$.
 2757 := $(aaaaaa \times (a + a + a)/aa + a + a)/aa + (a + a)/a$.
 2758 := $((aaaa - aa + a) \times (aa - a)/(a + a) + aa)/(a + a)$.
 2759 := $(a - aa - aa - aa + a) \times (aa - aaaa + aa)/(a \times a)$.
 2760 := $((a - aa - aa - aa + a) \times (aa - aaaa + aa)/a + a)/a$.
 2761 := $((a - aa - aa - aa + a) \times (aa - aaaa + aa)/a + a + a)/a$.
 2762 := $((aaa + a) \times aaa/(a + a + a) - a) \times (a + a)/(a + a + a) \times a$.
 2763 := $((aaa + aaaa) \times (aaa + a)/(a + a + a) + a)/(a + a + a)$.
 2764 := $((aaa + aaaa) \times (aa + a + a) - aa \times aa)/a - a)/a$.
 2765 := $((aaa + aaaa) \times (aa + a + a) - aa \times aa)/(a \times a)$.
 2766 := $((aaa + aaaa) \times (aa + a + a) - aa \times aa)/a + a)/a$.
 2767 := $((aaaaa + a) \times (a + a + a)/(aa + a) - aa)/a$.
 2768 := $(aaaaa + a)/(a + a + a + a) - (aaa - a)/aa$.
 2769 := $(aaaaa - aa - aa - aa - a - a)/(a + a + a + a)$.
 2770 := $(a - aaaa + a + a) \times (a - aa)/(a + a + a + a) \times a$.

- 2771 := $(aaaaa - aa - aa - a)/(a + a + a + a) - a/a$.
 2772 := $(aaaaa - aa - aa - a)/(a + a + a + a)$.
 2773 := $(aaaaa - aa)/(a + a + a + a) - (a + a)/a$.
 2774 := $(aaaaa - aa)/(a + a + a + a) - a/a$.
 2775 := $(aaaaa - aa)/(a + a + a + a)$.
 2776 := $(aaaaa + a)/(a + a + a + a) - (a + a)/a$.
 2777 := $(aaaaa + a)/(a + a + a + a) - a/a$.
 2778 := $(aaaaa + a)/(a + a + a + a)$.
 2779 := $(aaaaa + a)/(a + a + a + a) + a/a$.
 2780 := $(aaaa + a)/(a + a) \times (aa - a)/(a + a)$.
 2781 := $((aaaa + aa)/(a + a) \times a + a)/(a + a)$.
 2782 := $((aaaa + aa)/(a + a) \times a + a)/(a + a) + a/a$.
 2783 := $(aaaaa + aa + aa - a)/(a + a + a + a)$.
 2784 := $(aaa + aaa + aa - a) \times (aa + a)/(a \times a)$.
 2785 := $((aaa + aaa + aa - a) \times (aa + a)/a + a)/a$.
 2786 := $(aaaaa + aa + aa + aa)/(a + a + a + a)$.
 2787 := $(aaaaa + aa + aa + aa)/(a + a + a + a) + a/a$.
 2788 := $(aaaaa + a)/(a + a + a + a) + (aaa - a)/aa$.
 2789 := $(aaaaa + a)/(a + a + a + a) + aa/a$.
 2790 := $(aaaaa + a)/(a + a + a + a) + (aa + a)/a$.
 2791 := $(aaaaa + a)/(a + a + a + a) + (aa + a + a)/a$.
 2792 := $(aaaaa + a)/(a + a + a + a) + (aa + a + a + a)/a$.
 2793 := $((aaa + aaa + aa) \times (aa + a)/a - a - a - a)/a$.
 2794 := $((aaa + aaa + aa) \times (aa + a)/a - a - a)/a$.
 2795 := $((aaa + aaa + aa) \times (aa + a)/a - a)/a$.
 2796 := $(aaa + aaa + aa) \times (aa + a)/(a \times a)$.
 2797 := $((aaa + aaa + aa) \times (aa + a)/a + a)/a$.
 2798 := $((aaa + aaa + aa) \times (aa + a)/a + a + a)/a$.
 2799 := $((aaa + aaa + aa) \times (aa + a)/a + a + a + a)/a$.
 2800 := $(aaa - aa) \times (aaa + a)/(a + a) \times (a + a)$.
 2801 := $((aaa - aa) \times (aaa + a)/(a + a) + a + a)/(a + a)$.
 2802 := $((aaaa + aa - a) \times (aa - a)/(a + a) - a)/(a + a)$.
 2803 := $((aaaa \times aaa)/aa + a)/(a + a + a + a)$.
 2804 := $((aaa + aa) \times (aa + aa + a)/a - a - a)/a$.
 2805 := $((aaa + aa) \times (aa + aa + a)/a - a)/a$.
 2806 := $(aaa + aa) \times (aa + aa + a)/(a \times a)$.
 2807 := $((aaa + aa) \times (aa + aa + a)/a + a)/a$.
 2808 := $(aaa + aaa + aa + a) \times (aa + a)/(a \times a)$.
 2809 := $((aaa + aaa + aa + a) \times (aa + a)/a + a)/a$.
 2810 := $((aaa + aaa + aa + a) \times (aa + a)/a + a + a)/a$.
 2811 := $(aaaaa + aaa + aa + aa)/(a + a + a + a)$.
 2812 := $((aaa + aa + aa + a) \times (aa + aa - a)/a - a - a)/a$.
 2813 := $((aaa + aa + aa + a) \times (aa + aa - a)/a - a)/a$.
 2814 := $(aaa + aa + aa + a) \times (aa + aa - a)/(a \times a)$.
 2815 := $(aaaaa + a)/(a + a + a + a) + aaa/(a + a + a)$.
 2816 := $((aaa + aa + aa + a) \times (aa + aa - a)/a + a + a)/a$.
 2817 := $((aaa + a) \times aaaa/(aa + aa) - aa - aa)/(a + a)$.
 2818 := $((aaa + aaa + aa + a + a) \times (aa + a)/a - a - a)/a$.
 2819 := $((aaa + aaa + aa + a + a) \times (aa + a)/a - a)/a$.
 2820 := $(aaa + aaa + aa + a + a) \times (aa + a)/(a \times a)$.
 2821 := $((aaa + aaa + aa + a + a) \times (aa + a)/a + a)/a$.
 2822 := $((aaa + a) \times aaaa/(aa + aa) - aa - a)/(a + a)$.
 2823 := $((aaa + a) \times aaaa/(aa + aa) - aa + a)/(a + a)$.
 2824 := $((aaa + a + a) \times (aaa - aa)/(a + a) - a - a)/(a + a)$.
 2825 := $(aaa + a + a) \times (aaa - aa)/((a + a) \times (a + a))$.
 2826 := $((aaa + a + a) \times (aaa - aa)/(a + a) + a + a)/(a + a)$.
 2827 := $((aaa + a) \times aaaa/(aa + aa) - a - a)/(a + a)$.
 2828 := $(aaa + a) \times aaaa/((aa + aa) \times (a + a))$.
 2829 := $(aaa + aa + a) \times (aa + aa + a)/(a \times a)$.
 2830 := $((aaaa + aa)/(aa + aa) \times aaa - a)/(a + a)$.
 2831 := $((aaaa + aa)/(aa + aa) \times aaa + a)/(a + a)$.
 2832 := $(aaa + aaa + aa + a + a + a) \times (aa + a)/(a \times a)$.
 2833 := $(aaaaa + aaa + aaa - a)/(a + a + a + a)$.
 2834 := $(aaaaa + a)/(a + a + a + a) + (aaa + a)/(a + a)$.
 2835 := $(aaa + aa + aa + a + a) \times (aa + aa - a)/(a \times a)$.
 2836 := $((aaaa + aa)/(aa + aa) \times aaa + aa)/(a + a)$.
 2837 := $((aaaa - a) \times (aa + aa + a)/(a + a + a + a))/(a + a + a)$.
 2838 := $(aaa \times aaa/(aa - a - a) - aaaa) \times aa/(a \times a)$.
 2839 := $(aaaaa + a)/(a + a + a + a) + (aaa + aa)/(a + a)$.
 2840 := $((aaaa + aaaa + aa) \times (aa + a + a + a)/aa - a - a)/a$.
 2841 := $((aaaa + aaaa + aa) \times (aa + a + a + a + a)/aa - a)/a$.
 2842 := $(aaa + aaaa + aa) \times (aa + a + a + a)/(aa \times a)$.
 2843 := $((aaaa + aaaa + aa) \times (aa + a + a + a)/aa + a)/a$.
 2844 := $((aaa + aaaa - a - a - a) \times (aa + a + a)/a - a - a - a)/a$.
 2845 := $((aaa + aaaa - a - a - a) \times (aa + a + a)/a - a - a)/a$.
 2846 := $((aaa + aaaa - a - a - a) \times (aa + a + a)/a - a)/a$.
 2847 := $(aaa + aaaa - a - a - a) \times (aa + a + a)/(a \times a)$.
 2848 := $(aaa - aa - aa) \times (aa + aa + aa - a)/(a \times a)$.
 2849 := $aaaaaa/(aa + a + a) \times a/(a + a + a)$.
 2850 := $(aaa + a + a + a) \times (aaa - aa)/((a + a + a + a) \times a)$.
 2851 := $(aaaaa - aaa)/(a + a + a + a) + aaaa/aa$.
 2852 := $(aaa + aa + a + a) \times (aa + aa + a)/(a \times a)$.
 2853 := $((aaa + a + a) \times aaaa/aa - a)/(a + a + a + a)$.
 2854 := $((aaa + a + a) \times aaaa/aa + a + a + a)/(a + a + a + a)$.
 2855 := $((aaa - aa) \times (aaa + a)/(a + a) + aaa - a)/(a + a)$.
 2856 := $(aaaa + aa)/(aa + aa) \times (aaa + a)/(a + a)$.
 2857 := $((aaaa + aa)/(aa + aa) \times (aaa + a) + a + a)/(a + a)$.
 2858 := $((aaa - aa - aa - aa) \times (aaa - a)/(a + a + a) - a - a)/a$.
 2859 := $((aaa - aa - aa - aa) \times (aaa - a)/(a + a + a) - a)/a$.
 2860 := $(aaa - aa - aa - aa) \times (aaa - a)/((a + a + a) \times a)$.
 2861 := $((aaaaa - aaa) \times (a + a + a)/(aa + a) + aaa)/a$.
 2862 := $((aaa + aaa - a) \times (aa + a + a)/a - aa)/a$.
 2863 := $((aaa + aaa - a) \times (aa + a + a)/a - aa + a)/a$.
 2864 := $((aaa + aaa - a) \times (aa + a + a)/a - aa + a + a)/a$.
 2865 := $((aaa + aaa - a) \times (aa + a + a)/a - aa + a + a + a)/a$.
 2866 := $((aaa + aaa - a) \times (aa + a + a)/a - aa + a + a + a + a)/a$.
 2867 := $(aaaa + aa)/(aa + aa) \times (aaa + a)/(a + a) + aa/a$.
 2868 := $((aaa + aaaa - a) \times (aa + a + a)/a - a - a - a - a - a)/a$.
 2869 := $((aaa + aaaa - a) \times (aa + a + a)/a - a - a - a - a - a)/a$.
 2870 := $((aaa + aaaa - a) \times (aa + a + a)/a - a - a - a - a)/a$.
 2871 := $((aaa + aaaa - a) \times (aa + a + a)/a - a - a - a)/a$.
 2872 := $((aaa + aaaa - a) \times (aa + a + a)/a - a)/a$.
 2873 := $(aaa + aaaa - a) \times (aa + a + a)/(a \times a)$.
 2874 := $((aaa + aaaa) \times (aa + a + a)/a - aa - a)/a$.
 2875 := $((aaa + aaaa) \times (aa + a + a)/a - aa)/a$.
 2876 := $((aaa + aaaa) \times (aa + a + a)/a - aa + a)/a$.
 2877 := $((aaa + aaaa) \times (aa + a + a)/a - aa + a + a)/a$.
 2878 := $((aaa + a + a + a) \times aaaa/(aa + aa) - a)/(a + a)$.
 2879 := $((aaaa - aaaa) \times (a + a + a) - aa \times aa)/(a \times a)$.
 2880 := $(aaaaa + a)/(a + a + a + a) + (aaaa + aa)/aa$.
 2881 := $(aaaaaa \times (a + a + a)/aaa - aaaa - aa)/a$.
 2882 := $((aaa + aaaa) \times (aa + a + a)/a - a - a - a - a - a)/a$.
 2883 := $((aaa + aaaa) \times (aa + a + a)/a - a - a - a - a)/a$.
 2884 := $((aaa + aaaa) \times (aa + a + a)/a - a - a)/a$.
 2885 := $((aaa + aaaa) \times (aa + a + a)/a - a)/a$.
 2886 := $(aaa + aaaa) \times (aa + a + a)/(a \times a)$.
 2887 := $((aaa + aaaa) \times (aa + a + a)/a + a)/a$.
 2888 := $((aaa + aaaa) \times (aa + a + a)/a + a + a)/a$.
 2889 := $((aaa + aaaa) \times (aa + a + a)/a + a + a + a)/a$.
 2890 := $(aaaa + aaa + aaa + aaa + a) \times (a + a)/(a \times a)$.
 2891 := $(aaaaaa \times (a + a + a)/aaa - aaaa - a)/a$.
 2892 := $(aaaaaa \times (a + a + a)/aaa - aaaa)/a$.
 2893 := $(aaaaaa \times (a + a + a)/aaa - aaaa + a)/a$.
 2894 := $((aaa + aaaa) \times (aa + a + a)/a + aa - a - a - a)/a$.
 2895 := $((aaa + aaaa) \times (aa + a + a)/a + aa - a - a)/a$.
 2896 := $((aaa + aaaa) \times (aa + a + a)/a + aa - a)/a$.
 2897 := $((aaa + aaaa) \times (aa + a + a)/a + aa)/a$.
 2898 := $((aaa + aaaa + a) \times (aa + a + a)/a - a)/a$.

$$\begin{aligned}
2899 &:= (aaa + aaa + a) \times (aa + a + a)/(a \times a). \\
2900 &:= ((aaa + aaa + a) \times (aa + a + a)/a + a)/a. \\
2901 &:= ((aaa + aaa + a) \times (aa + a + a)/a + a + a)/a. \\
2902 &:= ((aaa + aaa + a) \times (aa + a + a)/a + a + a + a)/a. \\
2903 &:= ((aaa + aaa + a) \times (aa + a + a)/a + a + a + a + a)/a. \\
2904 &:= (aa - aaa + aa + a) \times (aa - aaa + a)/((a + a + a) \times a). \\
2905 &:= ((aaaa - aa - a) \times aaa/(aa + aa - a) + a)/(a + a). \\
2906 &:= ((aaa + aaa) \times (aa + a + a)/a + aa + aa - a - a)/a. \\
2907 &:= (aaa + a + a + a) \times (aaaa + aa)/(aa \times (a + a + a + a)). \\
2908 &:= ((aaa + aaa) \times (aa + a + a)/a + aa + aa)/a. \\
2909 &:= ((aaa + aaa) \times (aa + a + a)/a + aa + aa + a)/a. \\
2910 &:= ((aaaaa - a - a)/(aa + aa - a) \times aa + a)/(a + a). \\
2911 &:= ((aa + aa) \times (aaa + a) \times (aa + a + a)/(aa \times a) - a)/a. \\
2912 &:= (aa + aa) \times (aaa + a) \times (aa + a + a)/(aa \times a \times a). \\
2913 &:= ((aaaaa + aa)/(a + a) \times aa + a + a)/(aa + aa - a). \\
2914 &:= ((aaaa - aa) \times aa/(a + a) - aaa - aaaa)/(a + a). \\
2915 &:= (aaaa + a + a) \times (aaa - a)/(a + a)/(aa + aa - a). \\
2916 &:= ((aaaaa - a) \times (a + a + a)/aa - aaaa - a - a - a)/a. \\
2917 &:= ((aaaaa - a) \times (a + a + a)/aa - aaaa - a - a - a)/a. \\
2918 &:= ((aaaaa - a) \times (a + a + a)/aa - aaaa - a)/a. \\
2919 &:= ((aaaaa - a) \times (a + a + a)/aa - aaaa)/a. \\
2920 &:= ((aaaaa - a) \times (a + a + a)/aa - aaaa + a)/a. \\
2921 &:= ((aaaaa - a) \times (a + a + a)/aa - aaaa + a + a)/a. \\
2922 &:= ((aaaaa - a) \times (a + a + a)/aa - aaaa + a + a + a)/a. \\
2923 &:= ((aaa + aa + aa) \times (aa + aa)/a - a - a - a)/a. \\
2924 &:= (aaaaaa + a)/(aaaa/(a + a + a) \times a + a). \\
2925 &:= ((aaa + aa + aa) \times (aa + aa)/a - a)/a. \\
2926 &:= (aaa + aa + aa) \times (aa + aa)/(a \times a). \\
2927 &:= ((aaa + aa + aa) \times (aa + aa)/a + a)/a. \\
2928 &:= (aa + aa + a + a + a) \times (aaa + aa)/(a \times a). \\
2929 &:= ((aa + aa + a + a) \times (aaa + aa)/a + a)/a. \\
2930 &:= ((aa + aa + a + a) \times (aaa + aa)/a + a + a)/a. \\
2931 &:= ((aa + aa + a + a) \times (aaa + aa)/a + a + a + a)/a. \\
2932 &:= ((aa + aa + a + a) \times (aaa + aa)/a + a + a + a + a)/a. \\
2933 &:= ((aaaa - aaaa - aa - aa) \times (a + a + a)/a - a)/a. \\
2934 &:= (aaaa - aaaa - aa - aa) \times (a + a + a)/(a \times a). \\
2934 &:= ((aaaa - aaaa - aa - aa) \times (a + a + a)/a + a)/a. \\
2936 &:= (aaaa - aa + a) \times (aa - a - a - a)/((a + a + a) \times a). \\
2937 &:= (aaa - aa - aa) \times (aaa - aa - a)/((a + a + a) \times a). \\
2938 &:= (aaa - aa - aa - aa) \times (aaa + a + a)/((a + a + a) \times a). \\
2939 &:= ((aaa + aaa + aa + aa + a) \times (aa + a)/a - a)/a. \\
2940 &:= (aaa + aaa + aa + aa + a) \times (aa + a)/(a \times a). \\
2941 &:= ((aaaa + a + a)/(aa + aa - a) \times aaa - a)/(a + a). \\
2942 &:= ((aaaa + a + a)/(aa + aa - a) \times aaa + a)/(a + a). \\
2943 &:= (a - aaaa + a + a) \times (a - aaaa + a)/((a + a + a + a) \times a). \\
2944 &:= ((aaaa + aaaa) \times (a + a + a)/(a + a) + aaaa)/a. \\
2945 &:= ((aaa + aa + aa + a) \times (aa + aa)/a - a - a - a)/a. \\
2946 &:= ((aaa + aa + aa + a) \times (aa + aa)/a - a - a)/a. \\
2947 &:= ((aaa + aa + aa + a) \times (aa + aa)/a - a)/a. \\
2948 &:= (aaa + aa + aa + a) \times (aa + aa)/(a \times a). \\
2949 &:= ((aaa + aa + aa + a) \times (aa + aa)/a + a)/a. \\
2950 &:= ((aa + aa + a + a) \times (aaa + aa + a)/a - a - a)/a. \\
2951 &:= ((aa + aa + a + a) \times (aaa + aa + a)/a - a)/a. \\
2952 &:= (aa + aa + a + a) \times (aaa + aa + a)/(a \times a). \\
2953 &:= ((aa + aa + a + a) \times (aaa + aa + a)/a + a)/a. \\
2954 &:= (aaa + aaaa - aa) \times (aa + a + a + a)/(a \times a). \\
2955 &:= ((aaa + aaa - aa) \times (aa + a + a + a)/a + a)/a. \\
2956 &:= ((aaa + aaa - aa) \times (aa + a + a + a)/a + a + a)/a. \\
2957 &:= ((aaa + aaaa - aa) \times (aa + a + a + a)/a + a + a + a)/a. \\
2958 &:= ((aaaa - aaaa - aa) \times (a + a + a)/a - aa + a + a)/a. \\
2959 &:= ((aaaa - aa - aa - aa)/(a + a) \times aa - aa)/(a + a). \\
2960 &:= (aaaa - a) \times (aa - a - a - a)/((a + a + a) \times a). \\
2961 &:= ((aaaaa - aa)/(aa + a) \times (a + a) + aaaa)/a. \\
2962 &:= ((aaaaa + a)/(aa + a) \times (a + a) + aaaa - a)/a. \\
2963 &:= ((aaaaa + a)/(aa + a) \times (a + a) + aaaa)/a. \\
2964 &:= (aaaa - aaaa - aa - a) \times (a + a + a)/(a \times a). \\
2965 &:= ((aaaa - aa - aa - aa)/(a + a) \times aa + a)/(a + a). \\
2966 &:= ((aaaa - aaaa - aa) \times (a + a + a)/a - a)/a. \\
2967 &:= (aaaa - aaaa - aa) \times (a + a + a)/(a \times a). \\
2968 &:= (aaaa + a + a) \times (aa - a - a - a)/((a + a + a) \times a). \\
2969 &:= ((aaaa - aa) \times aa/(a + a) - aaaa - a)/(a + a). \\
2970 &:= (a - aaaa + a + a) \times (a - aaaa)/((a + a + a + a) \times a). \\
2971 &:= ((aaaa - aa) \times aa/(a + a) - aaaa + a + a + a)/(a + a). \\
2972 &:= (aaaa \times aa - aaaa \times (a + a + a))/(a + a)/(a + a). \\
2973 &:= (aaaa - aaaa - aa + a + a) \times (a + a + a)/(a \times a). \\
2974 &:= (aaa/(a + a + a) \times aaa - aaaa - aa - aa)/a. \\
2975 &:= ((aaaa - aa) \times aa/(a + a) - aaaa + aa)/(a + a). \\
2976 &:= ((aaaa - aaaa - a) \times (a + a + a)/a - aa - aa + a)/a. \\
2977 &:= ((aaaaa - aaaa) \times (a + a + a)/aa - aa - aa - a)/a. \\
2978 &:= ((aaaaa - aaaa) \times (a + a + a)/aa - aa - aa - a)/a. \\
2979 &:= (aaaaaa \times (a + a + a + a)/aaaa - aa - aa - a - a - a)/a. \\
2980 &:= (aaaaaa \times (a + a + a + a)/aaaa - aa - aa - a)/a. \\
2981 &:= (aaaaaa \times (a + a + a)/aaaa - aa - aa - a)/a. \\
2982 &:= (aaaaaa \times (a + a + a)/aaaa - aa - aa + a)/a. \\
2983 &:= (aaaaaa \times (a + a + a)/aaaa - aa - aa + a + a)/a. \\
2984 &:= (aaa/(a + a + a) \times aaa - aaaa - aa - a)/a. \\
2985 &:= (aaa/(a + a + a) \times aaa - aaaa - aa)/a. \\
2986 &:= (aaa/(a + a + a) \times aaa - aaaa - aa + a)/a. \\
2987 &:= ((aaaa - aaaa - a) \times (a + a + a)/a - aa + a)/a. \\
2988 &:= (aaa + aaaa + aaaa - a) \times (aa - a - a)/(a \times a). \\
2989 &:= ((aaaaa - aaaa) \times (a + a + a)/aa - aa)/a. \\
2990 &:= (aaaaaa \times (a + a + a)/aaaa - aa - a - a - a)/a. \\
2991 &:= (aaaaaa \times (a + a + a)/aaaa - aa - a)/a. \\
2992 &:= (aaaaaa \times (a + a + a)/aaaa - aa)/a. \\
2993 &:= (aaaaaa \times (a + a + a)/aaaa - aa + a)/a. \\
2994 &:= (aaaa - aaaa - a - a) \times (a + a + a)/(a \times a). \\
2995 &:= (aaa/(a + a + a) \times aaa - aaaa - a)/a. \\
2996 &:= (aaa/(a + a + a) \times aaa - aaaa)/a. \\
2997 &:= (aaaa - aaaa - a) \times (a + a + a)/(a \times a). \\
2998 &:= ((aaaa - aaaa - a) \times (a + a + a)/a + a)/a. \\
2999 &:= ((aaaaa - aaaa) \times (a + a + a)/aa - a)/a. \\
3000 &:= (aaaa - aaaa) \times (a + a + a)/(a \times a).
\end{aligned}$$

4. SINGLE LETTER REPRESENTATIONS USING POTENTIATION

In this section, we have given some examples having potentiation. In some cases, this operation reduces the numbers of letters a , but there are only few examples. Here we considered the results upto 10000.

Power 2.

$$\begin{aligned}
4 &:= 2^2 = ((a + a)/a)^{(a+a)/a}. \\
9 &:= 3^2 = ((a + a + a)/a)^{(a+a)/a}. \\
16 &:= 4^2 = ((a + a + a + a)/a)^{(a+a)/a}. \\
25 &:= 5^2 = ((aa - a)/(a + a))^{(a+a)/a}. \\
36 &:= 6^2 = ((aa + a)/(a + a))^{(a+a)/a}. \\
49 &:= 7^2 = ((aa - a - a - a - a)/a)^{(a+a)/a}. \\
64 &:= 8^2 = ((aa - a - a - a)/a)^{(a+a)/a}. \\
81 &:= 9^2 = ((aa - a - a)/a)^{(a+a)/a}. \\
100 &:= 10^2 = ((aa - a)/a)^{(a+a)/a}. \\
121 &:= 11^2 = (aa/a)^{(a+a)/a}. \\
144 &:= 12^2 = ((aa + a)/a)^{(a+a)/a}. \\
169 &:= 13^2 = ((aa + a + a)/a)^{(a+a)/a}. \\
196 &:= 14^2 = ((aa + a + a + a)/a)^{(a+a)/a}. \\
225 &:= 15^2 = ((aa + a + a + a + a)/a)^{(a+a)/a}. \\
256 &:= 16^2 = ((aa + a + a + a + a + a)/a)^{(a+a)/a}.
\end{aligned}$$

$$\begin{aligned}
289 &:= 17^2 = ((aa + a)/(a + a) + aa/a)^{(a+a)/a}. \\
324 &:= 18^2 = (((aa - a - a) \times (a + a))/(a \times a))^{(a+a)/a}. \\
361 &:= 19^2 = (((aa + aa - a - a - a)/a)^{(a+a)/a}. \\
400 &:= 20^2 = ((aa + aa - a - a)/a)^{(a+a)/a}. \\
441 &:= 21^2 = (((aa + aa - a)/a)^{(a+a)/a}. \\
484 &:= 22^2 = ((aa + aa)/a)^{(a+a)/a}. \\
529 &:= 23^2 = ((aa + aa + a)/a)^{(a+a)/a}. \\
576 &:= 24^2 = ((aa + aa + a + a)/a)^{(a+a)/a}. \\
625 &:= 25^2 = ((aa + aa + a + a + a)/a)^{(a+a)/a}. \\
676 &:= 26^2 = ((aa + a + a) \times (a + a)/(a \times a))^{(a+a)/a}. \\
729 &:= 27^2 = (((aa + a + a) \times (a + a)/a + a)/a)^{(a+a)/a}. \\
784 &:= 28^2 = (((aa + a)/a + a + a + a))^{(a+a)/a}. \\
841 &:= 29^2 = (((aa - a) \times (a + a + a)/a - a)/a)^{(a+a)/a}. \\
900 &:= 30^2 = (((aa - a) \times (a + a + a)/(a \times a))^{(a+a)/a}. \\
961 &:= 31^2 = ((aa + aa + aa - a - a)/a)^{(a+a)/a}. \\
1024 &:= 32^2 = ((aa + aa + aa - a)/a)^{(a+a)/a}. \\
1089 &:= 33^2 = ((aa + aa + aa)/a)^{(a+a)/a}. \\
1056 &:= 34^2 = ((aa + aa + aa + a)/a)^{(a+a)/a}. \\
1225 &:= 35^2 = ((aa + aa + aa + a + a)/a)^{(a+a)/a}. \\
1296 &:= 36^2 = ((aa + a) \times (a + a + a)/(a \times a))^{(a+a)/a}. \\
1369 &:= 37^2 = (aaa/(a + a + a))^{(a+a)/a}. \\
1444 &:= 38^2 = (aaa/(a + a + a) + a/a)^{(a+a)/a}. \\
1521 &:= 39^2 = ((aa + a + a) \times (a + a + a)/(a \times a))^{(a+a)/a}. \\
1600 &:= 40^2 = ((a + a + a + a) \times (aa - a)/(a \times a))^{(a+a)/a}. \\
1681 &:= 41^2 = (((aa + aa + a)/a + a + a))^{(a+a)/a}. \\
1764 &:= 42^2 = ((aa + aa - a) \times (a + a)/(a \times a))^{(a+a)/a}. \\
1849 &:= 43^2 = (((a + a + a + a) \times aa/a - a)/a)^{(a+a)/a}. \\
1936 &:= 44^2 = ((a + a + a + a) \times aa/(a \times a))^{(a+a)/a}. \\
2025 &:= 45^2 = (((a + a + a + a) \times aa/a + a)/a)^{(a+a)/a}. \\
2116 &:= 46^2 = ((aa + aa + a) \times (a + a)/(a \times a))^{(a+a)/a}. \\
2209 &:= 47^2 = (((aa + aa + a) \times (a + a)/a + a)/a)^{(a+a)/a}. \\
2304 &:= 48^2 = ((a + a + a + a) \times (aa + a)/(a \times a))^{(a+a)/a}. \\
2401 &:= 49^2 = (((aa - aa - a - a)/a + a))^{(a+a)/a}. \\
2500 &:= 50^2 = (((aa - aa)/a + a))^{(a+a)/a}. \\
2601 &:= 51^2 = (((aa - aa + a + a)/a + a))^{(a+a)/a}. \\
2704 &:= 52^2 = (((aa - aa)/a + a) + (a + a)/a)^{(a+a)/a}. \\
2809 &:= 53^2 = (((aa - a)/a + a) - (a + a)/a)^{(a+a)/a}. \\
2916 &:= 54^2 = (((aa - a - a - a)/a + a))^{(a+a)/a}. \\
3025 &:= 55^2 = (((aa - a)/a + a))^{(a+a)/a}. \\
3136 &:= 56^2 = (((aa + a)/a + a))^{(a+a)/a}. \\
3249 &:= 57^2 = (((aa + a + a + a)/a + a))^{(a+a)/a}. \\
3364 &:= 58^2 = (((aa + a)/a + a) + (a + a)/a)^{(a+a)/a}. \\
3481 &:= 59^2 = (((aa \times aa - a \times a)/a + a) - a)/a)^{(a+a)/a}. \\
3600 &:= 60^2 = ((aa \times aa/a - a)/a + a))^{(a+a)/a}. \\
3721 &:= 61^2 = (((aa + aa)/a + a))^{(a+a)/a}. \\
3844 &:= 62^2 = (((aa + aa + a + a)/a + a))^{(a+a)/a}. \\
3969 &:= 63^2 = ((aa + aa - a) \times (a + a + a)/(a \times a))^{(a+a)/a}. \\
4096 &:= 64^2 = (((aa + a) \times aa/(a + a) - a - a)/a)^{(a+a)/a}. \\
4225 &:= 65^2 = (((aa + a) \times aa/(a + a) - a)/a)^{(a+a)/a}. \\
4356 &:= 66^2 = ((aa + a) \times aa/(a + a) \times a))^{(a+a)/a}. \\
4489 &:= 67^2 = (((aa + aa + aa + a)/a + a))^{(a+a)/a}. \\
4624 &:= 68^2 = (((aa + a) \times aa/(a + a) + a + a)/a)^{(a+a)/a}. \\
4761 &:= 69^2 = ((aa + aa + a) \times (a + a + a)/(a \times a))^{(a+a)/a}. \\
4900 &:= 70^2 = (((aa + a) \times (aa + a)/(a + a) - a - a)/a)^{(a+a)/a}. \\
5041 &:= 71^2 = (((aa + a) \times (aa + a)/(a + a) - a)/a)^{(a+a)/a}. \\
5184 &:= 72^2 = ((aa + a) \times (aa + a)/((a + a) \times a))^{(a+a)/a}. \\
5329 &:= 73^2 = (((aa + a)/a + a + a) \times (a + a) - a)/a)^{(a+a)/a}. \\
5476 &:= 74^2 = (aaa/(a + a + a) \times (a + a)/a)^{(a+a)/a}. \\
5625 &:= 75^2 = (((aa + a)/a + a + a) \times (a + a) + a)/a)^{(a+a)/a}. \\
5776 &:= 76^2 = (((aa - a - a - a - a) \times aa/a - a)/a)^{(a+a)/a}. \\
5929 &:= 77^2 = ((aa - a - a - a - a) \times aa/(a \times a))^{(a+a)/a}. \\
6084 &:= 78^2 = (((aa - aa - aa - aa)/a)^{(a+a)/a}. \\
6241 &:= 79^2 = (((aa - aa - aa - aa + a)/a)^{(a+a)/a}. \\
6400 &:= 80^2 = ((aa - a - a - a) \times (aa - a)/(a \times a))^{(a+a)/a}.
\end{aligned}$$

$$\begin{aligned}
6561 &:= 81^2 = ((aa - a - a) \times (aa - a - a)/(a \times a))^{(a+a)/a}. \\
6724 &:= 82^2 = (((aa - a - a) \times (aa - a - a)/a + a)/a)^{(a+a)/a}. \\
6889 &:= 83^2 = (((aa + a) \times (aa + a)/(a + a) + aa)/a)^{(a+a)/a}. \\
7056 &:= 84^2 = ((a + a + a + a) \times (aa + aa - a)/(a \times a))^{(a+a)/a}. \\
7225 &:= 85^2 = (((aa + a)/a + a + a) \times (a + a) + aa)/a)^{(a+a)/a}. \\
7396 &:= 87^2 = (((aa - aa - aa - a - a - a)/a)^{(a+a)/a}. \\
7569 &:= 87^2 = (((aa - aa - aa - a - a - a)/a)^{(a+a)/a}. \\
7744 &:= 88^2 = (((aa - aa - aa - a)/a)^{(a+a)/a}. \\
7921 &:= 89^2 = (((aa - aa - aa)/a)^{(a+a)/a}. \\
8100 &:= 90^2 = (((aa - aa - aa + a)/a)^{(a+a)/a}. \\
8281 &:= 91^2 = (((aa - aa - aa + a + a)/a)^{(a+a)/a}. \\
8464 &:= 92^2 = (((aa - aa - aa + a + a + a)/a)^{(a+a)/a}. \\
8649 &:= 93^2 = (((a - aa + a) \times (a + a)/a + aa)/a)^{(a+a)/a}. \\
8836 &:= 94^2 = (((aa + a + a + a)/a)^{(a+a)/a}. \\
9025 &:= 95^2 = (((aa - aa - a - a - a - a - a)/a)^{(a+a)/a}. \\
9216 &:= 96^2 = (((aa - aa - a - a - a - a - a)/a)^{(a+a)/a}. \\
9409 &:= 97^2 = (((aa - aa - a - a - a)/a)^{(a+a)/a}. \\
9604 &:= 98^2 = (((aa - aa - a - a)/a)^{(a+a)/a}. \\
9801 &:= 99^2 = (((aa - aa - a)/a)^{(a+a)/a}. \\
10000 &:= 100^2 = (((aa - aa)/a)^{(a+a)/a}.
\end{aligned}$$

Power 3.

$$\begin{aligned}
8 &:= 2^3 = ((a + a)/a)^{(a+a+a)/a}. \\
27 &:= 3^3 = ((a + a + a)/a)^{(a+a+a)/a}. \\
64 &:= 4^3 = ((a + a + a + a)/a)^{(a+a+a)/a}. \\
125 &:= 5^3 = (((a - a)/a + a))^{(a+a+a)/a}. \\
216 &:= 6^3 = ((aa + a)/(a + a))^{(a+a+a)/a}. \\
343 &:= 7^3 = ((aa - a - a - a - a)/a)^{(a+a+a)/a}. \\
512 &:= 8^3 = (((aa - a - a - a)/a)^{(a+a+a)/a}. \\
729 &:= 9^3 = (((aa - a - a)/a)^{(a+a+a)/a}. \\
1000 &:= 10^3 = (((aa - a)/a)^{(a+a+a)/a}. \\
1331 &:= 11^3 = (aa/a)^{(a+a+a)/a}. \\
1728 &:= 12^3 = ((aa + a)/a)^{(a+a+a)/a}. \\
2197 &:= 13^3 = ((aa + a + a)/a)^{(a+a+a)/a}. \\
2744 &:= 14^3 = ((aa + a + a + a)/a)^{(a+a+a)/a}. \\
3375 &:= 15^3 = ((aa + a + a + a + a)/a)^{(a+a+a)/a}. \\
4096 &:= 16^3 = ((aa + a + a + a + a + a)/a)^{(a+a+a)/a}. \\
4913 &:= 17^3 = ((aa + a)/(a + a) + aa/a)^{(a+a+a)/a}. \\
5832 &:= 18^3 = ((aa - a - a) \times (a + a)/(a \times a))^{(a+a+a)/a}. \\
6859 &:= 19^3 = ((aa + aa - a - a - a)/a)^{(a+a+a)/a}. \\
8000 &:= 20^3 = ((aa + aa - a - a)/a)^{(a+a+a)/a}.
\end{aligned}$$

Power of 2.

$$\begin{aligned}
4 &:= 2^2 = ((a + a)/a)^{(a+a)/a}. \\
8 &:= 2^3 = ((a + a)/a)^{(a+a+a)/a}. \\
16 &:= 2^4 = ((a + a)/a)^{(a+a+a+a)/a}. \\
32 &:= 2^5 = ((a + a)/a)^{(aa-a)/(a+a)}. \\
64 &:= 2^6 = ((a + a)/a)^{(aa+a)/(a+a)}. \\
128 &:= 2^7 = ((a + a)/a)^{(aa-a-a-a-a)/a}. \\
256 &:= 2^8 = ((a + a)/a)^{(aa-a-a-a-a)/a}. \\
512 &:= 2^9 = ((a + a)/a)^{(aa-a-a)/a}. \\
1024 &:= 2^{10} = ((a + a)/a)^{(aa-a)/a}. \\
2048 &:= 2^{11} = ((a + a)/a)^{(aa-a)/a}. \\
4096 &:= 2^{12} = ((a + a)/a)^{(aa-a)/a}. \\
8192 &:= 2^{13} = ((a + a)/a)^{(aa-a-a-a)/a}.
\end{aligned}$$

Power of 3.

$$\begin{aligned}
9 &:= 3^2 = ((a + a + a)/a)^{(a+a)/a}. \\
27 &:= 3^3 = ((a + a + a)/a)^{(a+a+a)/a}. \\
81 &:= 3^4 = ((a + a + a)/a)^{(a+a+a+a)/a}. \\
243 &:= 3^5 = ((a + a + a)/a)^{(aa-a)/(a+a)}. \\
729 &:= 3^6 = ((a + a + a)/a)^{(aa-a)/(a+a)}. \\
2187 &:= 3^7 = ((a + a + a)/a)^{(aa-a-a-a-a)/a}. \\
6561 &:= 3^8 = ((a + a + a)/a)^{(aa-a-a-a-a)/a}.
\end{aligned}$$

4.1. Comparison Results

Comparing to the numbers appearing in Section 3, there are few numbers with power having better representations:

$$\begin{aligned}
 16 &:= ((a + a + a + a)/a)^{(a+a)/a}. & 1056 &:= (((a + aa + aa + a)/a)^{(a+a)/a}). \\
 27 &:= ((a + a + a)/a)^{(a+a+a)/a}. & 1331 &:= (aa/a)^{(a+a+a)/a}. \\
 64 &:= ((a + a)/a)^{(aa+a)/(a+a)}. & 1369 &:= (aaa/(a + a + a))^{(a+a)/a}. \\
 81 &:= ((aa - a - a)/a)^{(a+a)/a}. & 1444 &:= (aaa/(a + a + a) + a/a)^{(a+a)/a}. \\
 128 &:= ((a + a)/a)^{(aa+a+a)/(a+a)}. & 1521 &:= ((aa + a + a) \times (a + a + a)/(a \times a))^{(a+a)/a}. \\
 144 &:= ((aa + a)/a)^{(a+a)/a}. & 1600 &:= ((a + a + a + a) \times (aa - a)/(a \times a))^{(a+a)/a}. \\
 169 &:= ((aa + a + a)/a)^{(a+a)/a}. & 1681 &:= ((aaa + aa + a)/(a + a + a))^{(a+a)/a}. \\
 196 &:= ((aa + a + a + a)/a)^{(a+a+a)/a}. & 1728 &:= ((aa + a)/a)^{(a+a+a)/a}. \\
 216 &:= ((aa + a)/(a + a))^{(a+a+a)/a}. & 1764 &:= ((aa + aa - a) \times (a + a)/(a \times a))^{(a+a)/a}. \\
 256 &:= ((a + a)/a)^{(aa-a-a-a)/a}. & 1849 &:= (((a + a + a + a) \times aa/a - a)/a)^{(a+a)/a}. \\
 289 &:= ((aa + a)/(a + a) + aa/a)^{(a+a)/a}. & 1936 &:= ((a + a + a + a) \times aa/(a \times a))^{(a+a)/a}. \\
 343 &:= ((aa + a + a)/a)^{(a+a+a)/a}. & 2025 &:= (((a + a + a + a) \times aa/a + a)/a)^{(a+a)/a}. \\
 361 &:= ((aa + aa - a - a - a)/a)^{(a+a)/a}. & 2048 &:= ((a + a)/a)^{4aa/a}. \\
 400 &:= ((aa + aa - a - a)/a)^{(a+a)/a}. & 2116 &:= ((aa + aa + a) \times (a + a)/(a \times a))^{(a+a)/a}. \\
 441 &:= ((aa + aa - a)/a)^{(a+a)/a}. & 2187 &:= ((a + a + a)/a)^{(aa-a-a-a-a)/a}. \\
 484 &:= ((aa + aa)/a)^{(a+a)/a}. & 2197 &:= ((aa + a + a)/a)^{(a+a+a)/a}. \\
 512 &:= ((a + a)/a)^{(aa-a-a)/a}. & 2304 &:= ((a + a + a + a) \times (aa + a)/(a \times a))^{(a+a)/a}. \\
 529 &:= ((aa + aa + a)/a)^{(a+a)/a}. & 2401 &:= ((aaa - aa - a - a)/(a + a))^{(a+a)/a}. \\
 576 &:= ((aa + aa + a + a)/a)^{(a+a)/a}. & 2500 &:= ((aaa - aa)/(a + a))^{(a+a)/a}. \\
 625 &:= ((aa + aa + a + a + a)/a)^{(a+a)/a}. & 2601 &:= ((aaa - aa + a + a)/(a + a))^{(a+a)/a}. \\
 676 &:= ((aa + a + a) \times (a + a)/(a \times a))^{(a+a)/a}. & 2704 &:= ((aaa - aa)/(a + a) + (a + a)/a)^{(a+a)/a}. \\
 729 &:= ((a + a + a)/a)^{(aa+a)/(a+a)}. & 2744 &:= ((aa + a + a + a)/a)^{(a+a+a)/a}. \\
 784 &:= ((aaa + a)/(a + a + a + a))^{(a+a)/a}. & 2809 &:= ((aaa - a)/(a + a) - (a + a)/a)^{(a+a)/a}. \\
 961 &:= ((aa + aa + aa - a - a)/a)^{(a+a)/a}. & 2916 &:= ((aaa - a - a - a)/(a + a))^{(a+a)/a}. \\
 1024 &:= ((a + a)/a)^{(aa-a)/a}. & &
 \end{aligned}$$

Numbers appearing in this section are not all with potentiation. We may have much more numbers with potentiation, such as multiple of 2, 3, 4, etc. or summing and/or subtracting with another numbers.

FINAL COMMENTS AND HISTORICAL NOTES

This work on representations of natural numbers using *single letter* is first of its kind. Previously, author [11] worked with representation of numbers using *single digit* separately for each value from 1 to 9. In [4], there are only few numbers numbers working with single digit. Representations numbers using all the digits from 1 to 9 and reverse is done by author [9]. Comments to this work can be seen at [1, 2, 7, 8]. Different study on numbers, such as, *selfie numbers*, *running expressions*, etc. refer to authors work [10, 12, 13]. For historical point of view, we suggest [3, 5, 6].

ACKNOWLEDGEMENT

The author is thankful to T.J. Eckman, Georgia, USA (email: jeek@jeek.net) in programming the script to develop the representations given in section 3.

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