```
n:113039471121744737372964187079929804969763672651365

e:387142751900775006545752271408350364326739293200028

ls:cf(e/n);
```

[0,2,1,11,2,9,2,26,1,1,1,2,2,20,2,3,3,
1,6,22,4,1,2,2,4,4,34,1,2,1,2,2,,1,5,1,17,3
,2,1,1,3,2,3,2,2,1,1,4,48,1,2,3,2,73,1,1,4,
1,1,4,1,1,10,1,1,1,6,5,11,1,5,1,4,1,1,1,9,1
,6,3,12,1,119,1,21,1,1,3,3,1,5,7,22,2,573,
2,2,1,3,272,9,1,3,1133,2,1,3,1,2,3,6,6,3,1,
1,1,3,1,1,2,2,3,6,2,1,4,1,1,7,1,1,1,1,5,1,2
,6,2,1,3,13,7,1,1,1,3,2,1,1,1,2,2,1,1,1,5,3
,11,2,19,2,5,2,1,1,1,1,1,13,2,3,3,2,1,4,1,3
,2,3,1,307,1,1,1,2]

```
from_cf_n(L, n) := ratsimp(cfdisrep(makelist(L[i], i, 1, n)));
```

from_cf_n(L,n):=
ratsimp$\left(\text{cfdisrep}\left(\text{makelist}\left(L_i,i,1,n\right)\right)\right)$

```
from_cf_n(ls,32);
```

$$\frac{1364640819694926 2}{3984532211234454 3}$$

```
k:ratnumer(%);
```

1364640819694926 2

```
d:ratdenom(%th(2));
```

3984532211234454 3

```
C:(e·d−1)/k;
```

```
f(x):=x^2−(n−C+1)·x+n;
```

$$f(x):=x^2-(n-C+1)\,x+n$$

```
r:solve(f(x));
```

$$[x=,x=]$$

```
p:rhs(r[1]);
```

```
q:rhs(r[2]);
```

```
pn:(p−1)·(q−1);
```

```
d:inv_mod(e, pn);
```

$$3984532211234454 3$$

```
m:666;
```

$$666$$

```
c:power_mod(m, e, n);
```

```
m2:power_mod(c, d, n);
```

$$666$$