

2 2

2

1

1 f r r n n n f r n n r n r n n
r n r r r n n f n n n n
n n (n), n r n
r n n r n n n f
f n, r f n f n n n
n n n n n n n n n n f
r n n f n n n (n
n) n r r n r n n n
r n r n f r f r r (n
f r n r n f f r n f r n r n n n
r f r r f n n n n n n (n
n) n n n n n f n n

2 f r n r n n
r n r n n r n r n f r r
n n r n n n n r n n r n n
r n

3 n r n n n n r n r f r n r
n n r n n n r (), n r n n r (), r r
r n f f n n f f r n r n r
n n n n n r f n r n n n
r n f r r r r, r r, n r n n n n r
n r n n n f n n n r

2

4 f n n r f n n r n n n r
n n n r n n n n n n n n n n
n n n n n n n n n n n n n n n n n

n r f n n n n n n f r
r n n n n n f r, n n r n
f f r r f r

() $\sim r \sim \text{nn} n \sim \sim r \sim r \text{nn} r \sim n \sim f r \sim$,
 $\sim r \sim r \sim n \sim n \sim r \text{nn} \sim \text{nn} \text{nn} \text{nn} r \sim f \sim \text{nn} \sim n \sim n \sim n$
 $n \sim n \sim \text{nn} \sim n \sim r \sim n \sim \text{nn} \sim n \sim n \sim n \sim \text{nn} \sim n \sim n (\sim n \sim n$
 $\sim \text{nn} \sim n \sim n \sim f r \sim \sim r \sim r \text{nn} \sim n \sim f \sim f \sim \sim r \sim \sim \sim n)$,

() $\sim \sim \sim r \sim \text{nn} \text{nn} n \sim \sim n \sim \sim r \sim \sim n \sim r \text{nn} \sim r \text{nn} \sim r \sim n \sim r \sim n$
 $\sim f r \sim n \sim n \sim \sim \sim \sim r \sim r$,

() $\sim \sim \text{nn} \sim n \sim r \sim \sim \text{nn} \sim n \sim n \sim r \text{nn} \sim \text{nn} \sim n \sim r \sim n \sim \sim$
 $\sim \text{nn} \sim \sim r \sim r \sim \text{nn} \sim f r \sim r \sim r$, , $\sim r \sim \sim r \sim n \sim n \sim r \text{nn} \sim n \sim \text{nn}$
 $\text{nn} \text{nn} r \sim f r \sim r \text{nn} \sim n$, $\sim n$, $r \sim \sim r \sim n \sim n \sim$
 $r \sim n \sim n \sim r$, $r \text{nn}$, $r \sim r$, $n \sim f n \sim \sim n \sim n$,
 $\sim \text{nn} \sim n \sim n \sim \sim r \sim n \sim n \sim r \sim r$,

() $\sim n \sim r \sim n \sim r \sim r \sim r \sim / \sim r \sim \sim () \sim n \sim r \sim$
 $\sim n \sim r \text{nn} \text{nn} \sim / \sim r \sim n \sim r \text{nn} \sim r \sim n$,

() $\sim \sim \text{nn} \sim r \sim f r \text{nn} \sim \sim r \sim r$, , $\sim r \sim \sim r \sim n \sim n \sim r$
 $\text{nn} \sim n \sim \text{nn} \text{nn} \text{nn} r \sim f \sim \sim \text{nn} \sim n \sim \sim n$, nn , $r \sim$
 $\sim f \sim r \sim r \sim f r \text{nn} \sim n$, n , $\sim n$, $r \sim$, $\sim \sim \text{nn}$,
 nn , $r \text{nn} \sim r \sim n \sim r \sim n \sim n \sim n \sim f r \sim r \sim n \sim n \sim \sim r$, $n \sim \text{nn} \sim n$
 n , $\text{nn} \sim \sim \sim \sim r \sim f r \sim n \sim r \sim n$, $n \sim \sim r$
 $\sim \text{nn} \sim \text{nn} \sim n \sim n \sim f \sim f r \text{nn} \sim n \sim n$,

(10) $\sim \sim \sim r \text{nn} \sim r \sim n \sim \sim \sim f \sim \sim \text{nn} \sim n \sim \sim r \sim n$
 $\sim r \sim \sim \sim \text{nn} \sim \text{nn} \sim n$,

(11) $\sim \sim \text{nn} \sim r \text{nn} \sim r \sim n \sim \sim \sim n \sim \sim \sim r \sim n \sim \sim$
 $\sim \sim \text{nn} \sim f \sim \text{nn} \sim n \sim \sim \text{nn} \sim n$,

(12) $\sim \sim \sim n \sim \sim r \sim r \sim r$, $r \text{nn} \sim r \sim n \sim f r \sim r \sim n$
 $n \sim r \text{nn} \sim n \sim \text{nn} \text{nn} \text{nn} r$, n

(13) $\sim r$, $\sim$, $\sim r$ $\sim r$.

$\sim \sim \sim r \sim n \sim \sim \sim n \sim r \text{nn} \sim r \sim n \sim n \sim r \sim r \sim$
 $\sim$, $r \text{nn} \sim n \sim r \sim f r \sim r \sim r \sim f \sim \sim \text{nn} \sim n$.

$\sim \sim \sim 10 \sim r \text{nn} \sim r \sim n \sim n \sim r \sim r \sim \sim f r \sim r \sim r \sim n$, $\sim r \sim \sim r \sim f$
 $\sim \text{nn} \sim n \sim r \sim \sim \sim \text{nn} \text{nn}$, $\text{nn} \sim \sim \sim r \sim f r$
 $r \sim n \sim n \sim r \sim n \sim \sim r \sim r$, $n \sim r \text{nn} \sim n$
 $f r \sim n \sim r \sim n \sim n \sim r \sim f r \sim \text{nn} \text{nn} \text{nn} \sim n$. $\text{nn} \sim r \sim n \sim n$
 $f r \sim n \sim r \text{nn} \sim n \sim \text{nn} \text{nn} \text{nn} r \sim f \sim \sim \text{nn} \sim n$, $\sim \sim \sim$
 $\sim r \sim f r \sim r \sim$.

♩ 12

r n r r n f n n r f
r n r r n f r n- n f n
r f n r n n r f n

[illegible]
$$() \quad \begin{array}{ccccccc} \nearrow & \text{r} & \leftarrow & \text{nf} & \text{r} & \text{uu} & \leftarrow \text{n} \nearrow \text{n} & \text{uu} & \text{uu} & \text{n} & \leftarrow \text{n} & \text{f} & \text{r} & \text{uu} & \text{n} & \text{r} & \leftarrow \text{n} & \text{uu} \\ \text{n} & \nearrow & \text{r} & & \text{uu} & & \text{r} & , & \nearrow \text{f} & \nearrow & \text{uu} & \text{uu} & . \end{array}$$

$\frac{f}{nf} \cdot \frac{r}{nr} = \frac{f}{n} \cdot \frac{r}{r} = \frac{f}{n}$

♩ 13

ṙ, ṙ ḟṙ ṙ ṙ ṙ ṙ, ṙ ṙ ṙ ṅ
ṅ ṙ ṙ ṅ. ṙ ṙ ṙ ṙ ṙ ḟ

(1) ṙ ṅ ṙ ḟṙ ṙ ṙ ṙ ṙ, ṙ ṙ ṙ ṅ ṅ ṙ ṙ ṅ. ṙ ṙ ṙ ṙ ṙ ḟ ṙ ṅ
ṙ ṙ ṙ ṙ ṅ ḟ, ṙ ṅ ṙ ṙ ṙ,

(2) ṙ ṙ ṙ ṅ, ṙ ḟṙ ṙ ṅ ṙ ṙ ṙ, ṙ ṙ ṙ ṅ ṅ ṙ ṙ ṅ. ṙ ṙ ṙ ṙ ṙ ḟ ṅ ṙ ḟṙ ṙ ṅ
ṙ ṅ ṙ ṅ ṙ, ṙ ṅ ṙ ṙ ṙ ṅ ṙ, ṙ ṙ ṅ, ṙ ṙ ṙ ṙ ṙ ṙ ṙ ṙ
ṙ ṙ, ṙ ṙ ṙ ṅ ṅ ṙ ṙ ṅ. ṙ ṙ ṙ ṙ, ṅ

(3) ṙ ṙ, ṙ ṙ ṙ ṅ ṅ ṅ ṅ ṅ ṅ ḟṙ
ṙ ṙ, ṙ ṙ ṙ ṅ ṅ ṙ ṙ ṅ. ṙ ṙ ṙ ṙ ṙ ṅ
ṙ ṅ ṙ ḟṙ ṙ ṅ ṙ, ṅ ṙ ṙ ṙ ṅ ṙ ṅ
ṙ ḟṙ ṅ. ṙ ṙ ṙ ṙ, ṙ ṅ
ṙ ṙ ṙ ḟṙ ṅ ṙ ṅ.

2 2

♩ 14

ṅ ḟ ṙ ṙ ṅ, ṙ, ṙ ṙ ṅ ṅ ṙ ṙ ṅ ṙ
ṙ ṅ.

ṙ, ṙ ṙ ṅ ḟ ṙ ṙ ṙ ṙ, ṙ
ṙ ṙ ṅ ḟṙ ṅ ṅ ṙ ṙ ṅ ḟ ṙ ṅ
ṙ, ṙ ṅ ṅ, ṙ ṅ, ṙ ṙ.

ṅ ṙ ṙ ṅ ṙ ṅ ṅ ṅ ṅ ṙ ḟ
ṙ ṅ ṙ ṅ ṙ ṅ ṙ ḟ ḟ
ṙ ḟ ṙ ṙ ṙ ṙ ṙ ṅ ḟ ṙ.

♩ 1

ṅ ḟ ṙ ṅ ṅ ṙ ṅ ḟ
ṙ. ṅ ḟ ṙ ṅ ṅ ṙ ṅ ṙ
ṙ ṙ ḟ ṙ ṙ ḟ ṙ
ḟ ṙ ṅ. ṙ ṅ ṅ ṙ, ṙ ṅ ḟ ṙ ṙ ḟ ṙ, ṙ
ḟṙ ṅ ṙ, ṙ ṙ ṅ ḟ ṅ ḟ ṅ ṙ.

♩ 1

ṙ ṅ ḟ ṙ ṙ ṙ ṅ ḟ
ṙ, ṅ ṅ ṅ ṙ ṅ ṅ ṅ ṅ, ṙ ṙ ṙ
ṙ ṙ ḟ ṙ, ṅ ṙ, ṙ ṙ ṅ ḟ ṙ ṅ
ḟ ṙ ṙ ṙ ṙ ṅ ṅ / ṙ.

♩ ♩ 1 , r u f r u n f u u r f
 u u r f u u . f u u r , n n n ,
 / u r n r f rn n n r u u r n
 n u n n / r f . r f rn ,
 n u f r , , n f , r n n r
 f f r f rn , n n r ff
 rn .

 , n u n ff r u f u r
 n f f u u r f u u . r r , n
 r n n n u u r n , u n f
 u u . u u r f u u n . u u r
 f u u u f r , n r n fr u n n n
 u r . ☒ r r f r n n r , n r , n
 n u r , r u n f u u n .

♩ ♩ 1 n f u u u u n f n- u n ,
 u u n n , r , n n , n f r , n r r
 r r u n .

♩ ♩ 1 ☒ r n r , r r , r r n n r u n . u n u
 n n n u n f u u r r .

♩ ♩ 20 n r u n . u n u u r n r n r u n f u n
 r n , r u u n
 n n r n r n n f r u , n u u . ☒ r
 n r , u u u n n n n r
 r f n n- u n . f u n
 r n n , rr r fr u .

♩ ♩ 21 u u r f u u n n . u n f
 u u f r / , u r f r .

♩ ♩ 22 n n n r , r n n f u n f
 u u n r r u n r n n n
 n u n r n n r , n , r ,
 r , r r n f () r u n ' r r ,
 n r n f r u .

♩ ♩ 23 u u u n f u n . u r r n
 u n n u n f u n . u n u n
 r r r f r r f n n 10 r .

♩ ♩ 24 , n u u n n r , r r
 n r n r f r n r n .

$\frac{1}{2} \sqrt{2}$ $\frac{1}{2} r$ r n $\frac{1}{2} n$ f $\frac{1}{2} n$ n r n

r r nf n $\frac{1}{2} r$ r n n

n n r n nf r n r n

2

$$f_1 \leq 2 \quad f(r) = r^2 - f(r), \quad r \in \mathbb{N}, \quad f(0) = 0, \quad f(n) = n, \quad n \in \mathbb{N}, \quad f(n) = n, \quad n \in \mathbb{N}.$$

$\frac{7}{8}$ ♩ 2

ru n r[~] r , ^n ^n _ r _n n
^u ff _ fr[~]u ^n _ ^r _ f[~]r _ n r
_ , ^u n r _ n r ^n ^n . n. ^f
^n. ^n. -u. ^r ^r ^u n n _ n r r
ru.

[illegible][illegible]