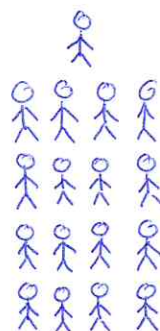


My natural numbers are:

U, J, H, Z, 7,], 3, 3, 0, E, F, L, 7, E, T, L, 0, JU, JJ, JH, ...
 null eins zwei drei vier fünf sechs sieben acht neun zehn ölf zwölf, drölf, frölf, fölf, sölf hed hed-eins hed-zwei

JU
 hed people :



This is also a positional number system, with digits U to 0.

Analogously to the tens, i.e. the numbers ¹⁰ten, ²⁰twenty, ³⁰thirty, ... in the conventional number system, here there are the numbers

JU hed
 HU zwed
 ZU dred
 7U ~~fred~~ fred
]U fed

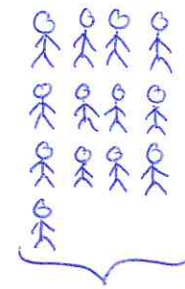
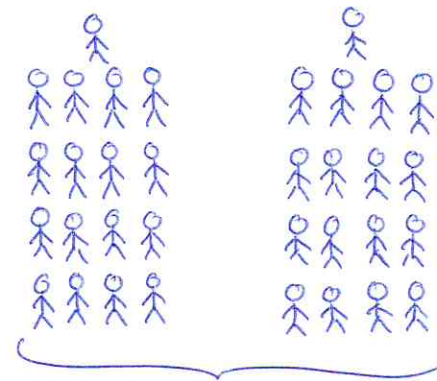
3U seched
 3U sebed
 0U eched
 EU nened
 FU zened

[U elfed
 7U zwelfed
 EU drölfed
 TU frölfed
 LU felfed

0U selfed
 JUU heded
 HUU zweded
 ZUU dreded
 7UU freded
 ...

Analogously to the numbers hundred, two hundred, three hundred, ...

$\begin{array}{c} \text{+} \text{E} \\ \text{Zwed-drölf people} \end{array}$



zwei times hed people and drölf people

It takes a bit of getting used to.

So how does addition work here? It only works for bigger numbers if you can already do the single-digit addition.

Try $\begin{array}{c} \text{+} \text{[]} \\ \text{plus +} \end{array}$ (echted ~~ed~~ elfed-fünf)
 $\begin{array}{c} \text{+} \text{3} \\ \hline \text{? ? ?} \end{array}$ (selfed-sieben)

Step 1: $5 + 7 = 12$
fünf sieben zwölf

$$\begin{array}{r} 43 \\ + 03 \\ \hline \end{array}$$

Step 2: $\begin{array}{c} \boxed{1} \\ \text{ölf} \end{array} + \begin{array}{c} \boxed{0} \\ \text{sölf} \end{array} = \begin{array}{c} \boxed{1} \\ \text{hed-zehn} \end{array}$ ↖ carrying over

$$\begin{array}{r} 400 \\ + 103 \\ \hline 503 \end{array}$$

Step 3: $\text{H} + \text{J} = \text{E}$
acht eins neun

$$\begin{array}{r} \text{H C J} \\ + \text{J H B} \\ \hline \text{E F I} \end{array}$$

Result: $\cup \sqcup$ echteded elfed-fünf plus \boxplus selfed-sieben equals $\exists \exists \exists$ neneded zened-zwölf.

Let's try that again!

$$\begin{array}{r}
 \text{E E T} \\
 + \quad \text{T U} \\
 + \quad \text{T U T} \\
 \hline
 \text{T T T T}
 \end{array}$$

Side calculation

$$\text{T} + \text{T} + \text{U} = \text{T} + \text{U} = \text{T}$$

$$\text{E} + \text{T} + \text{T} = \text{U} + \text{T} = \text{T T}$$

↑ mirror image
add up to sölf

$$\text{E} + \text{T} + \text{T} = \text{T U} + \text{T} = \text{T T}$$

How to call this result? I'll go inventing names:

T U U U oon

T U U U zwei oon

T U U U drei oon

...

, so T T T T is oon heded fed-frölf.