Zahlen

13:10

$$f: [v, v]^2 - \gamma [v, v]$$

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And: $f: \mathbb{R}^n$ $f: \mathbb{R}^n$ $f: \mathbb{R}^n$ $f: \mathbb{R}^n$ $f: \mathbb{R}^n$

 $B_{i}(x) = \sum_{s=1}^{n} Sin(x), Sin(2x), Sin(3x), (Os(x), ros(2x), ros(3x), ros(3x)$

Walurliche Zahla IN = {0,1,2,...} 0+5 = 5+a a, 5 e W 445, a. 5 E W a 5 = 5 a a+0=a, a.1 - a a(5+6) = us 4 ac $a \in S$ $\exists x : a = S$ Réflexiv a é q Anhsymmetrie a = 5 1 5 = 4 => 4 = 5 Trunsitiv a £ 5 1 5 £ c = 2 4 £ c Total a=5 v 5 = a

Repräsentation von W $X_{n-1} \times_{n-2} \dots \times_{n} \times_{0} = \sum_{i \neq 0}^{n-1} X_{i} \cdot 5^{i}$ $Y_{n-1} Y_{n-2} \dots Y_{1} Y_{0}$

€ ->->-> 5=2, n fest n=8-> [0,255]

Ohar IIII VXCOM

IV VI

S=10-20 12245

5=10 -> 0,1,2,3,4,5,6,7,8,9

Ganze Zahlen (a,5) ~ (c,d) (=) a+d=6+c Z= {[4,5], a,5 e/N} [a,5]+[c,d] = [a+c,5+d] [a,5]·[\$,d]=[ad+5e, ac+5d] [u,5] { [c,d] (=> 5+c = a+d -[a,s] = [s,a]

a + x = 5

```
(a,s)
                                             a + x = 5
    Représentation von 2
                                    (Vorzerchen darst.)
                  (\gamma, o)
(o, \kappa)
(0, x) y = (2^{n-1}, y)
   + . > (24-1, x+y) = (24-1, x+y) (1er Konpluch)
                (24.1 )
(24.1 )
(O, K)
   +->(2h-1, x+y) > (2n-1, x+y)
                 +) (0, x+y-2")
     (2", x / 0 = x, y = 2"-1
   1 (2h, x+y) -> (2h-1, x+y-2h-1)
```

Rahumale Zahlen Q

(ars) \sim (c,d) (=> ad = 5c

$$C(x = 5)$$

$$(x = \frac{6}{4})$$

$$Q = \{ [a,s], a,s \in \mathbb{Z} \}$$

$$(a,s) \neq [c,a] := [ac,ad+sc]$$

$$a \neq 0 \quad [a,s]^{-1} := [s,a]$$

fest Darstellung von Q (be) x) = x Te lest Kommadarst. $x_{n-1} x_{n-2} \cdots x_e, x_{e-1} \cdots x_i x_o = \sum_{i=1}^{n-1} x_i \cdot 5^{i-e}$ (5°) , m) = $m.5^{\circ}$ $(1.10^{\circ} = 10.10^{-2} = 1.0.10^{-1})$ C, Exronant Manhise