

(b) Zeichnen, ie positionen anspinnung für

Set $\Pi(x)$ definiert, provides die Π_n -reduz
to show $\forall \varphi \in \Pi_n$ Π_n -reduz: $\forall \varphi \in \Pi_n$

test reduction in A .
Geben $\Pi_n - \Pi(A)$ für Π_n reduction, the reduction

for in place. (a) mapping map

$\Delta_n - \Delta_n(x)$ like the above. Π_n -red $\varphi \in \Pi_n$

$\forall \varphi \in \Pi_n$ with $\forall \varphi \in \Pi_n$

A for reduction 2 reduction $\varphi \in \Pi_n$

to test membership (can. reduction - parallelism)

Der (Theorem)

Π_n (IN, \oplus , \odot , \otimes) algorithm model Π_1

reduction, the binary reduction in A for

reduction, a binary A must be standard

Nach $a \in A (= \Pi_n)$

Nach X reduction over $a \in A$

which the above. $a \in \Pi_n$

$n \in X \Rightarrow \exists a \in A \mid a = \Pi_n \mid a \Rightarrow A \in \exists b (a \cdot b = a)$

\Rightarrow ist. $b \in A (= \Pi_n)$ $\forall a \in A \mid a = \overline{b \oplus b} = a$

Π_n way

~~Reduktion~~

Reduktion:

$n \in X \Rightarrow \exists b \in A (= \Pi_n)$ over $\varphi \in \Pi_n, \Pi_n - 1$

$\forall a \in A \mid a = \overline{b \oplus 1 \oplus \dots \oplus 1} = a$

$(*)$

Π_n way

The diagram is a reduction in membership, over $n \in X$

no other reduction possible $b \in \Pi_n$ $\forall \varphi \in \Pi_n, \Pi_n - 1$, spanning

any reduction $(*)$ any $(*)$ \square