Made with Xodo PDF Reader and Editor

$$T_{k} = \underbrace{\sum_{i=1}^{N-1} A_{i}}_{A_{i}} \underbrace{\sum_{i=1}^{N-1} A_{i}} \underbrace{\sum_{i=1}^{N-1} A_{i}}_{A_{i}} \underbrace{\sum_{i=1}^{N-1} A_{i}}_{A_{i}$$

$$dg T_{k} = \bigcup_{i=1}^{n} A_{i}$$

Fall 2 k < n

$$| \bigcup_{i=1}^{n} A_{i} | - T_{k} = \sum_{p=1}^{n} ((-1)^{p-1} \underbrace{\sum_{j=1}^{n} A_{i,n} \dots A_{i,p}}) - \underbrace{\sum_{j=1}^{k} (-1)^{p+1} \underbrace{\sum_{j=1}^{n} A_{i,n} \dots A_{i,p}})}_{A \subseteq I_{A} \subseteq A_{i,n} \subseteq A_{i,p} = 1} | \underbrace{\sum_{j=1}^{n} (-1)^{p-1} \underbrace{\sum_{j=1}^{n} A_{i,n} \dots A_{i,p}}}_{A \subseteq I_{A} \subseteq A_{i,p} = 1} | \underbrace{\sum_{j=1}^{n} (-1)^{p-1} \underbrace{\sum_{j=1}^{n} A_{i,n} \dots A_{i,p}}}_{A \subseteq I_{A} \subseteq A_{i,p} = 1} | \underbrace{\sum_{j=1}^{n} (-1)^{p-1} \underbrace{\sum_{j=1}^{n} A_{i,n} \dots A_{i,p}}}_{A \subseteq I_{A} \subseteq A_{i,p} = 1} | \underbrace{\sum_{j=1}^{n} (-1)^{p-1} \underbrace{\sum_{j=1}^{n} A_{i,n} \dots A_{i,p}}_{A \subseteq I_{A} \subseteq A_{i,p} = 1} | \underbrace{\sum_{j=1}^{n} (-1)^{p-1} \underbrace{\sum_{j=1}^{n} A_{i,n} \dots A_{i,p}}_{A \subseteq I_{A} \subseteq A_{i,p} = 1} | \underbrace{\sum_{j=1}^{n} (-1)^{p-1} \underbrace{\sum_{j=1}^{n} A_{i,n} \dots A_{i,p}}_{A \subseteq I_{A} \subseteq A_{i,p} = 1} | \underbrace{\sum_{j=1}^{n} (-1)^{p-1} \underbrace{\sum_{j=1}^{n} A_{i,n} \dots A_{i,p}}_{A \subseteq I_{A} \subseteq A_{i,p} = 1} | \underbrace{\sum_{j=1}^{n} (-1)^{p-1} \underbrace{\sum_{j=1}^{n} A_{i,n} \dots A_{i,p}}_{A \subseteq I_{A} \subseteq A_{i,p} = 1} | \underbrace{\sum_{j=1}^{n} (-1)^{p-1} \underbrace{\sum_{j=1}^{n} A_{i,n} \dots A_{i,p}}_{A \subseteq I_{A} \subseteq A_{i,p} = 1} | \underbrace{\sum_{j=1}^{n} (-1)^{p-1} \underbrace{\sum_{j=1}^{n} A_{i,n} \dots A_{i,p}}_{A \subseteq I_{A} \subseteq A_{i,p} = 1} | \underbrace{\sum_{j=1}^{n} (-1)^{p-1} \underbrace{\sum_{j=1}^{n} A_{i,n} \dots A_{i,p}}_{A \subseteq I_{A} \subseteq A_{i,p} = 1} | \underbrace{\sum_{j=1}^{n} (-1)^{p-1} \underbrace{\sum_{j=1}^{n} A_{i,n} \dots A_{i,p}}_{A \subseteq I_{A} \subseteq A_{i,p} = 1} | \underbrace{\sum_{j=1}^{n} A_{i,n} \dots A_{i,p}}_{A \subseteq I_{A} \subseteq A_{i,p} = 1} | \underbrace{\sum_{j=1}^{n} A_{i,n} \dots A_{i,p}}_{A \subseteq I_{A} \subseteq A_{i,p} = 1} | \underbrace{\sum_{j=1}^{n} A_{i,n} \dots A_{i,p}}_{A \subseteq I_{A} \subseteq A_{i,p} = 1} | \underbrace{\sum_{j=1}^{n} A_{i,n} \dots A_{i,p}}_{A \subseteq I_{A} \subseteq A_{i,p} = 1} | \underbrace{\sum_{j=1}^{n} A_{i,n} \dots A_{i,p}}_{A \subseteq I_{A} \subseteq A_{i,p} = 1} | \underbrace{\sum_{j=1}^{n} A_{i,n} \dots A_{i,p}}_{A \subseteq I_{A} \subseteq A_{i,p} = 1} | \underbrace{\sum_{j=1}^{n} A_{i,n} \dots A_{i,p}}_{A \subseteq I_{A} \subseteq A_{i,p} = 1} | \underbrace{\sum_{j=1}^{n} A_{i,n} \dots A_{i,p}}_{A \subseteq I_{A} \subseteq A_{i,p} = 1} | \underbrace{\sum_{j=1}^{n} A_{i,n} \dots A_{i,p}}_{A \subseteq I_{A} \subseteq A_{i,p} = 1} | \underbrace{\sum_{j=1}^{n} A_{i,n} \dots A_{i,p}}_{A \subseteq I_{A} \subseteq A_{i,p} = 1} | \underbrace{\sum_{j=1}^{n} A_{i,n} \dots A_{i,p}}_{A \subseteq I_{A} \subseteq A_{i,p} = 1} | \underbrace{\sum_{j=1}^{n} A_{i,n} \dots A_{i,p}}_{A \subseteq I_{A} \subseteq A_{i,p} = 1} | \underbrace{\sum_{j=1}^{n} A_{i,n} \dots A_{i,p}}_{A \subseteq I_{A} \subseteq A_{i,p} = 1} | \underbrace{\sum_{j=1}^{n} A_{i,n} \dots A_$$

falls
$$k=2r$$
, $r \in IN$
d g. $(-1)^{k+1-1} = (-1)^k = (-1)^{2r} = 1$
Different also positive $| \bigcup_{i=1}^{n} A_i | \ge T_k$

of g. (-1)
$$= (-1) = (-1)$$

$$= (-1) = (-1)$$

$$= (-1) = (-1)$$

$$= (-1) = (-1)$$

$$= (-1) = (-1)$$

falls
$$k=2r-1$$
, $r \in \mathbb{N}$
 $d \cdot g \cdot (-1)^{k+1-1} = (-1)^k = (-1)^{2r-1} = -1$

Different istalloo negativ, $dh: |\tilde{U}A_i| \leq T_k$

woniger Elemente haben Kann (> bekammt keinen neuen Clemente)