slln-lemma2[11,40]

$\forall p$:FinProbSpace, f:($\mathbb{N} \to \mathbb{N}$), X:(n:$\mathbb{N} \to$RandomVariable(p;$f(n)$)), s, k:$\mathbb{Q}$.
($\forall n$:$\mathbb{N}$, i:$\{0..n^-\}$. $f(i) < f(n)$)
$\Rightarrow$ ($\forall n$:$\mathbb{N}$.
$\quad$ E($f(n)$;$X(n)$) = $0 \in \mathbb{Q}$
$\quad$ & E($f(n)$;($x.x * x$) o $X(n)$) = s
$\quad$ & E($f(n)$;($x.(x * x) * x * x$) o $X(n)$) = k)
$\Rightarrow$ ($\forall n$:$\mathbb{N}$, i:$\{0..n^-\}$. rv-disjoint(p;$f(n)$;$X(i)$;$X(n)$))
$\Rightarrow$ ($\exists B$:$\mathbb{Q}$
$\quad$ ($\forall n$:$\mathbb{N}$.
$\quad$ E($f(n)$;rv-partial-sum(n;k.if ($k =_0 0$)
$\quad$ then 0
$\quad$ else ($x.(x * x) * x * x$) o ($1/k$)$*$rv-partial-sum(k;$i.X(i)$)
$\quad$ fi)) $\leq B$))