

```
TL [ $K_$ ] :=  
  Fold [mc [ $\#1 \oplus \#2$ ] &,  $\Sigma_B$  [ ] [ $\emptyset$ , PQ [ { },  $\emptyset$  ] ],  
    List @@ (TL /@ PD@ $K$ ) ] /.  
   $\emptyset$  [ $c_$  +  $u$ ] /; Abs [ $c$ ]  $\geq 1 \Rightarrow \emptyset$  [ $c$ ];  
TLSig [ $K_$ ] := TL [ $K$ ] [[1]]
```