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1 Function Slim( $\mathcal{D}$ )
    Data: Dataset  $\mathcal{D}$ 
    Result: Code table  $CT$ 
2  $CT \leftarrow$  Standard Code Table( $\mathcal{D}$ );
3 for  $F \in \{X \cup Y : X, Y \in CT\}$  in Gain Order do
4      $CT_c \leftarrow (CT \oplus F)$  in Standard Cover Order;
5     if  $L(\mathcal{D}, CT_c) < L(\mathcal{D}, CT)$  then
6          $CT \leftarrow post - prune(CT_c)$ ;
7     end
8 end
9 return  $CT$ ;

```