

Listing 1: dEclat algorithm.

```
1  function dEclat( $P$ : set):  
2      foreach  $X_i$  in  $P$ :  
3          foreach  $X_j$  in  $P$  that  $i \neq j$ :  
4               $R = \text{union}(X_i, X_j)$   
5               $\text{diflist}(R) = \text{diflist}(X_i) - \text{diflist}(x_j)$   
6              if  $\text{support}(R) \geq \text{minsup}$ :  
7                   $T_i = \text{union}(T_i, R)$   
8      foreach  $T_i \neq \emptyset$ :  
9          dEclat( $T_i$ )
```