

```
1: outlier test ( $D$ : data,  $z$  : new obs.)
2:    $G := \text{fit\_graph}(D)$ 
3:    $D_z := D$  with  $z$  included
4:    $M := \text{fit\_outlier}(D\_z, G)$ 
5:    $p := \text{pval}(M, \text{deviance}(M, z))$ 
6:   return  $p$ 
7: end outlier test
```