## 1. table

	m = 10				m = 100				
$\alpha$	0%	5%	10%	20%	0%	%	5%	10%	20%
GGL	88	18	16	16	6	5	15	15	15
Tukey-iGGL	88	80	76	73	6!	5	64	64	60

Table 1: Graph detect rates ( $\times 100$ ) for Gaussian graph learning (GGL) and Tukey-iGGL on outlier-contaminated Gaussian data with the contamination percentages  $\alpha = 0\%, 5\%, 10\%, 20\%$ .

## 2.Algorithm

```
Algorithm 1: disjoint decomposition
   input: A bitmap Im of size w \times l
   output: A partition of the bitmap
 1 special treatment of the first line;
 2 for i \leftarrow 2 to l do
 3
       special treatment of the first element of line i;
       for j \leftarrow 2 to w do
 4
          left \leftarrow FindCompress(Im[i, j-1]);
 5
          up \leftarrow FindCompress(Im[i-1,]);
 6
          this \leftarrow FindCompress(Im[i,j]);
 7
          if left compatible with this then // O(left, this) == 1
 8
              if left < this then Union(left,this);</pre>
 9
              else Union(this,left);
10
11
          end
          if up compatible with this then
                                                              // O(up,this)==1
12
              if up < this then Union(up,this);</pre>
13
              // this is put under up to keep tree as flat as
14
                  possible
              else Union(this,up);
15
16
              // this linked to up
          end
17
       endfor
18
       foreach element e of the line i do FindCompress(p);
19
20 endfor
```