

Graphs in R

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Invalid Date

Differences between ggm and grBase

Using **grBase**

Adjacency matrix

```
A <- ug(~a*b, ~b*c*d, ~e)
as(A, "matrix")
```

```
  a b c d e
a 0 1 0 0 0
b 1 0 1 1 0
c 0 1 0 1 0
d 0 1 1 0 0
e 0 0 0 0 0
```

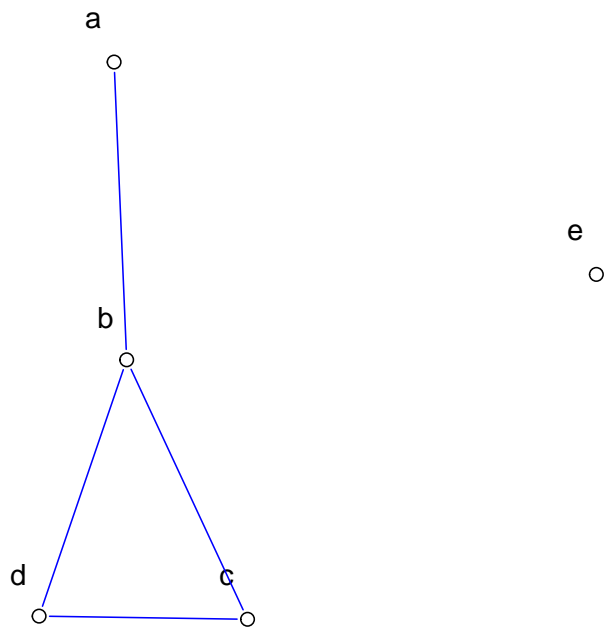
Using **ggm**

Adjacency matrix and plot

```
G <- UG(~a*b + b*c*d + e)
G
```

```
  a b c d e
a 0 1 0 0 0
b 1 0 1 1 0
c 0 1 0 1 0
d 0 1 1 0 0
e 0 0 0 0 0
```

```
drawGraph(G)
```



Find cliques

```
get_cliques(A)
```

```
[[1]]  
[1] "e"
```

```
[[2]]  
[1] "a" "b"
```

```
[[3]]  
[1] "b" "c" "d"
```