

# 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)
```

e  
o

