Example inverse matrix

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We test the function `cachematrix`. First of all:

```
source("cachematrix.R")
```

Then, we define a matrix

```
mat <- matrix(data = c(1,0,1,1), nrow = 2, ncol = 2)
```

We save it in cache

```
mat2 <- makeCacheMatrix(mat)
```

And we compute its inverse

```
cacheSolve(mat2)
```

```
##      [,1] [,2]
## [1,]    1   -1
## [2,]    0    1
```

If we do this again, we obtain the cached inverse matrix

```
cacheSolve(mat2)
```

```
## [1] "cached"
```

```
##      [,1] [,2]
## [1,]    1   -1
## [2,]    0    1
```

```
sessionInfo()
```

```
## R version 3.1.2 (2014-10-31)
## Platform: x86_64-pc-linux-gnu (64-bit)
##
## locale:
##  [1] LC_CTYPE=en_US.UTF-8       LC_NUMERIC=C
##  [3] LC_TIME=en_US.UTF-8        LC_COLLATE=en_US.UTF-8
##  [5] LC_MONETARY=en_US.UTF-8    LC_MESSAGES=en_US.UTF-8
##  [7] LC_PAPER=en_US.UTF-8       LC_NAME=C
##  [9] LC_ADDRESS=C               LC_TELEPHONE=C
## [11] LC_MEASUREMENT=en_US.UTF-8 LC_IDENTIFICATION=C
##
## attached base packages:
```

```
## [1] stats     graphics  grDevices utils     datasets  methods   base
##
## loaded via a namespace (and not attached):
## [1] digest_0.6.8    evaluate_0.5.5  formatR_1.0     htmltools_0.2.6
## [5] knitr_1.7       rmarkdown_0.3.3 stringr_0.6.2   tools_3.1.2
## [9] yaml_2.1.13
```