

MthStat 768

January 24, 2024

```
A <- matrix(c(1, 0, 0, 1, 1, 0), 3, 2)
qrout <- qr(A)
Q <- qr.Q(qrout)
R <- qr.R(qrout)
t(Q) %*% Q
```

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

```
A <- matrix(c(1, 0, 0, 1, 1, 0, 1, -1, 0), 3, 3)
```