
```
cvx_begin
    variable X(m,n) symmetric semidefinite% transform to new variable X =
    x*x^T
    minimize(trace(Q*X)) % new objective function

    subject to
        diag(X) == 1;

cvx_end

#### variable
##### 'm' #####

## untitled (# 2 #)
    variable X(m,n) symmetric semidefinite% transform to new variable X =
    x*x^T
```

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