

```
function [Morth]=RowOrthCompl(M)
%
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%
%   produces an orthonormal matrix Morth whose rows
%   are orthogonal to the row space of M.
%   M is assumed of full row rank (i.e. m.le.n)
%
mn = size(M); m = mn(1); n = mn(2);
if m == 0, Morth = eye(n,n); return, end
if m == n, Morth = zeros(0,n); return, end
[Q,R] = qr(M'); Morth = Q(:,m+1:n)';
```