Labs

Production Cobb-Douglas

% Cobb-Douglas production function

% Y=F(K,N)=A*K^{alpha}*N^{1-alpha}

% In per capita form y=A*k^{alpha}

% Need to get the capital share parameter and scale prameter from main.m

```
function y=cobb(k)
global A alpha
if alpha>0 & alpha<1
y=A*k.^alpha;
else
y=-inf*abs(k);
disp('invalid capital share')
end
```