```
function [beta,xi,obj,obj_list] = ...
barrier_lasso(t,u,p,X,y,lambda,step_alpha,step_beta,TOL,TOL_barrier)
%BARRIER_LASSO Run Barrier method for lasso
    Start with t0, run Newton update to get optimal beta,
응
    then increase t with parameter u.
응
    t: initial barrier parameter
   u: Barrier update
응
   p: number of features (without intersect term)
    X, y: training data
   lambda: LASSO penalty
    step_alpha, step_beta: backtrack parameter
    TOL: Newton update tol
    TOL_barrier: Barrier method tol
[beta,xi] = find_strict_feasible(p);
m = 2*p;
obj_list = [];
while 1
    [beta,xi,obj_l]=...
        newton_lasso(beta,xi,X,y,lambda,t,step_alpha,step_beta,TOL);
    obj_list = [obj_list, obj_l];
    if (m/t <= TOL_barrier)</pre>
        break;
    end
    obj = obj_lasso_lr(X,y,beta,lambda);
    t = u * t;
end
end
Not enough input arguments.
Error in barrier lasso (line 14)
[beta,xi] = find_strict_feasible(p);
```

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