```
% Begin Solving with CVX MATLAB:

cvx_begin quiet
   variable x(2*B)
   % f0 --> The objective function
   minimize norm( A * x )
   % Here we put the constraints:
   subject to

   s' * (A*x) == n
   s .* (A*x) >= 0

cvx_end
y_tilde = A*x;

disp('Error After recovery')
```

Error After recovery

```
disp( norm(y - y_tilde) / norm(y));
```

0.1208

```
figure()

plot(y)
hold on
plot(y_tilde)
legend('Originial Signal', ...
    'REcovered Signal;');
title('Originial Versus REcovered signals');
```

