

```
/*Homework 03 Problem 3.15*/  
title 'STAT455-HW03 Problem 3.15(c) Profile Likelihood';  
options ls=72 ps=max nocenter;  
data cancer; input trtmt $ response $ count @@;  
datalines;  
pred normal 7 pred abnormal 8  
control normal 0 control abnormal 15  
;  
run;  
proc logistic data=cancer desc;  
weight count;  
class trtmt (param=ref ref="control");  
model response = trtmt /clodds=pl alpha=0.05;  
run;
```