STAT 2008/4038/6038 Regression Modelling 20/4/201
Partial (sequential) F tests for nested models
Y= B0+B1X1+E
Y= Bo+ B1 X1 + B2 X2 + E 2
Model (1) is "nested" viside model (2)
(contained in or is a subset of) Similarly the null model (mean model)
Similarly the null model (mean model)
$Y = \beta_0 + \xi$
is nested inside the SLR model
Y= Bo + B, X + E  addition  SIR model was
So, the overall Ftest for a SLR model was
a special case of a partial or sequential F test
A particul F is a test for part of a model
-> the addition of some entra terms
So a partial F test for the addition of B2 X2
to a model that already contains B. + B, X,
F= 6 addition
6 error 6 for the larger model is model (2)
ie model (2)