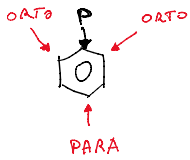
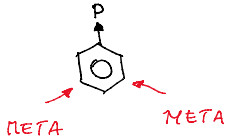
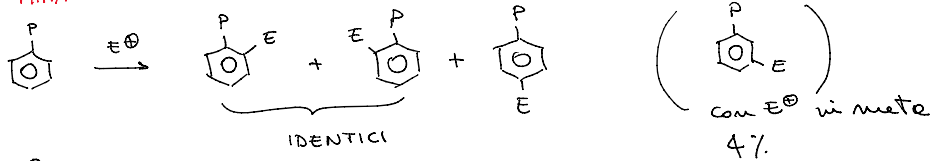


ORIENTAMENTO



P è un gruppo ELETTRON DONATORE
 Diregere l'entrata di un nuovo
 elettrofilo (E^+) in ORTO - PARA

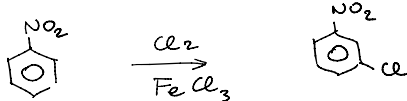
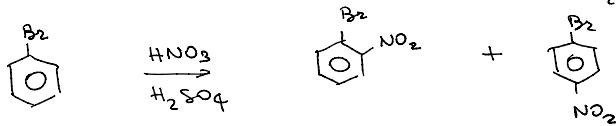
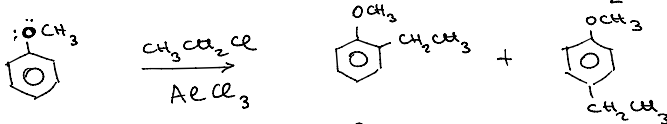
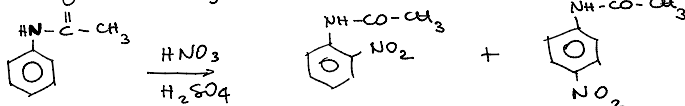
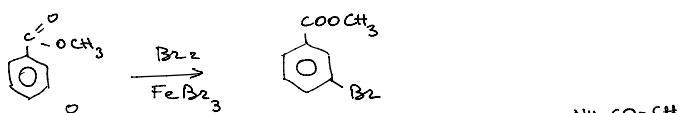
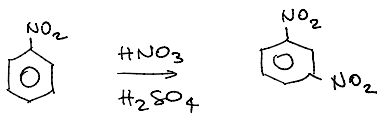
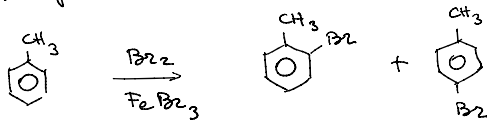


P è un gruppo ELETTRON-ATTRATTORE
 Diregere l'entrata di un nuovo
 elettrofilo (E^+) in META

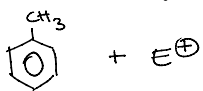


Gli alogeni sono debolmente disattivanti ma orto-para orientanti

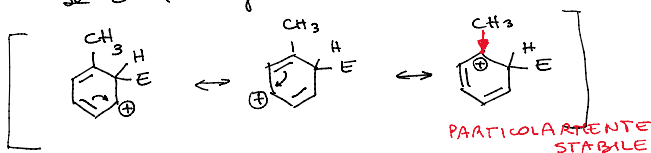
Esempi



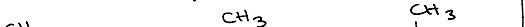
Perché gli attivanti sono orto-para orientanti?

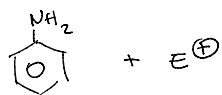
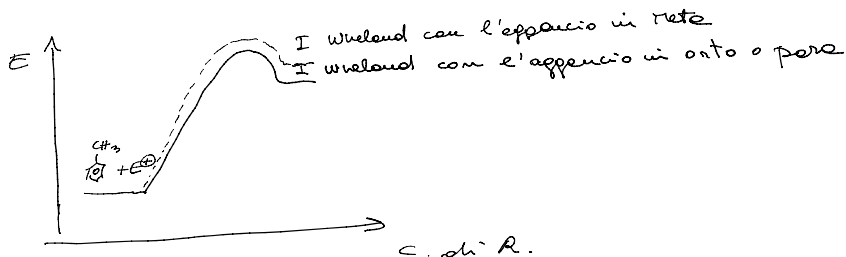
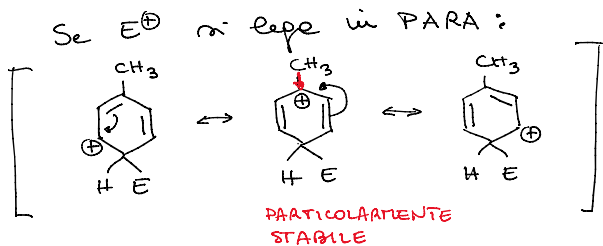
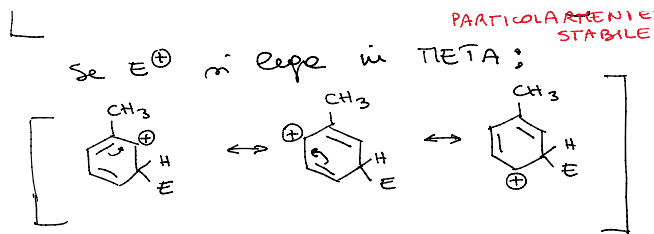


Se E^+ si lega in ORTO:

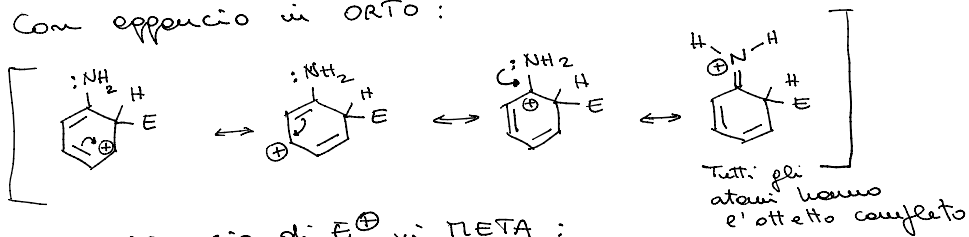


Se E^+ si lega in META:

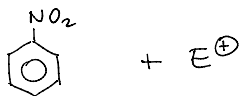
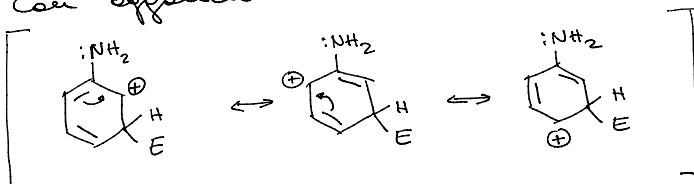




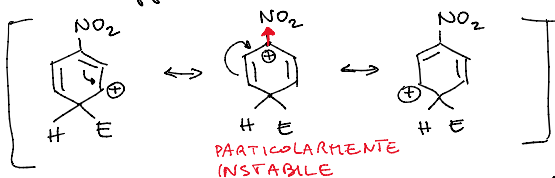
Con appoggio in ORTO:



Con appoggio di E^+ in META:



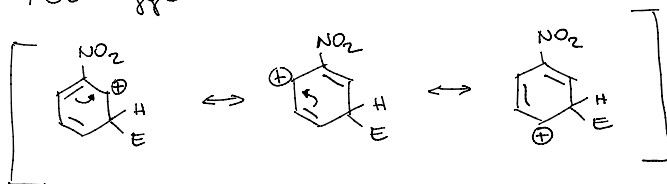
Per appoggio di E^+ in PARA:



I gruppi elettron-donatori stabilizzano i carbocationi.

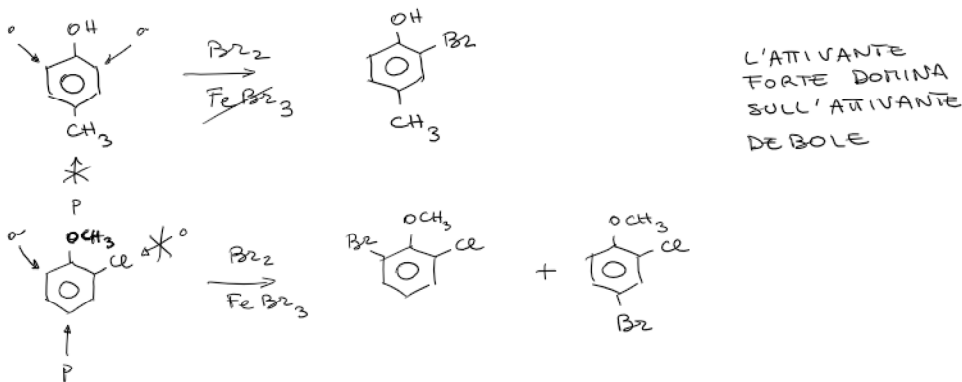
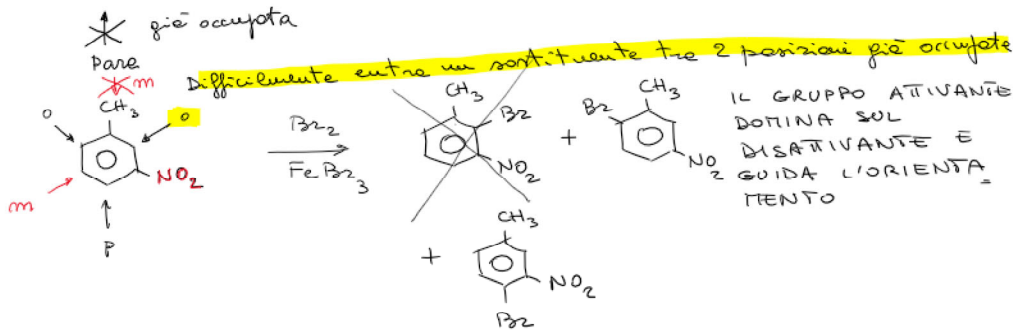
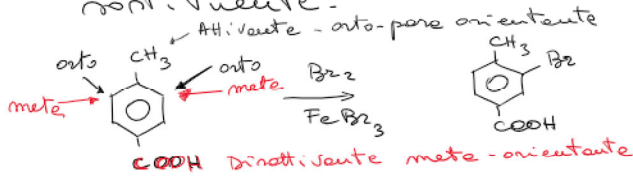
I gruppi elettron-attrattori instabilizzano i carbocationi.

Per appoggio di E^+ in META:

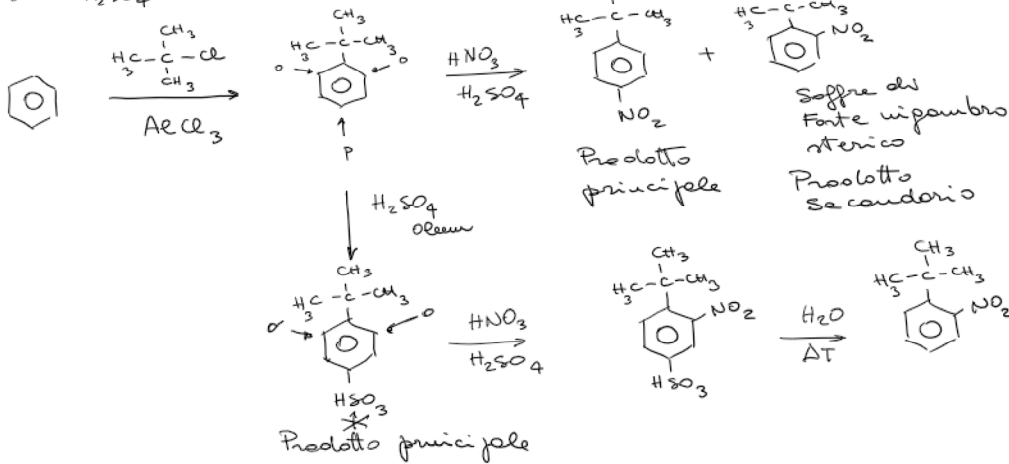
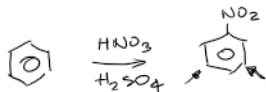
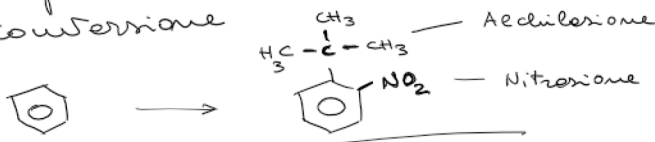


Sostituzione Elettrofila aromatica quando l'anello benzene presenta più di un sostituito.

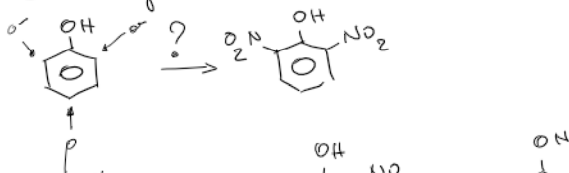
Sostituzioni elettrofila
 l'anello benzenico presenta fin 1 di un
 sostituyente.

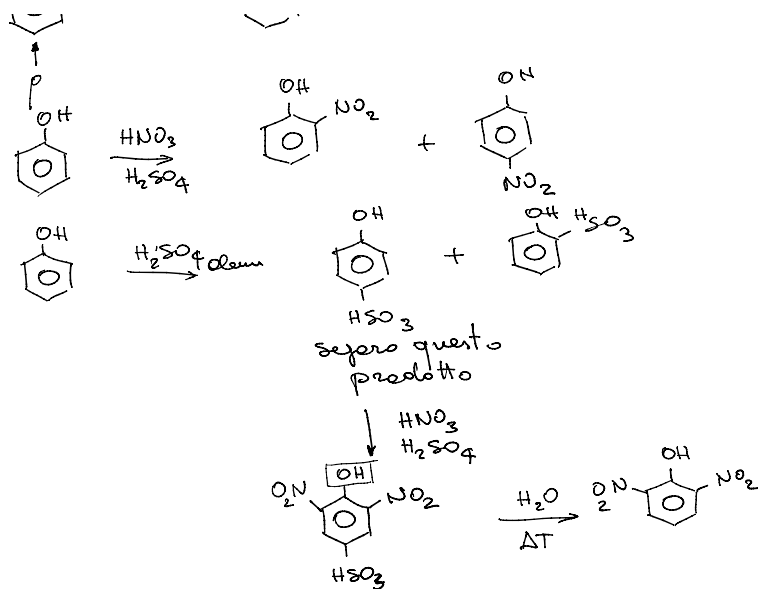


Proporre una via di sintesi per la seguente
 conversione

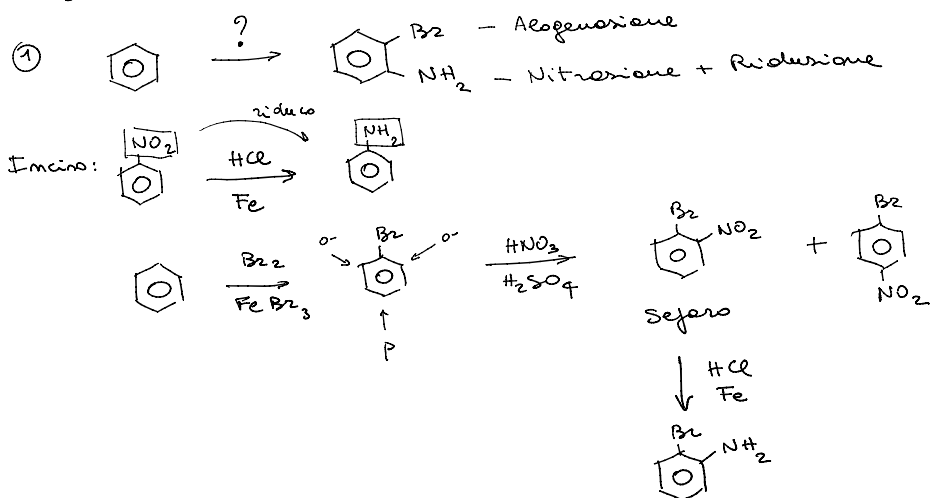


Stabilire una possibile via di sintesi per
 la seguente conversione

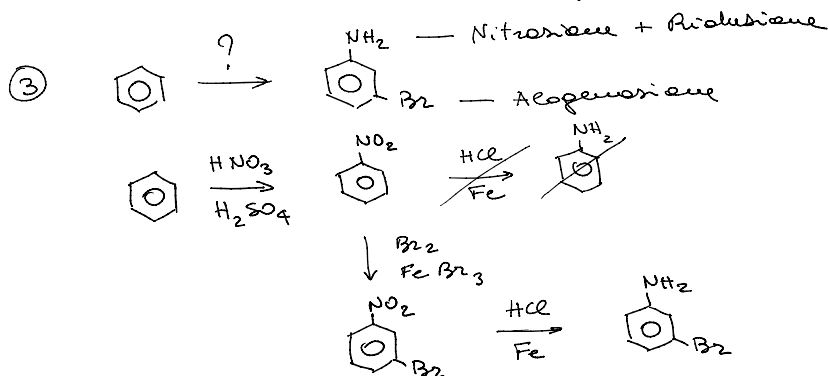
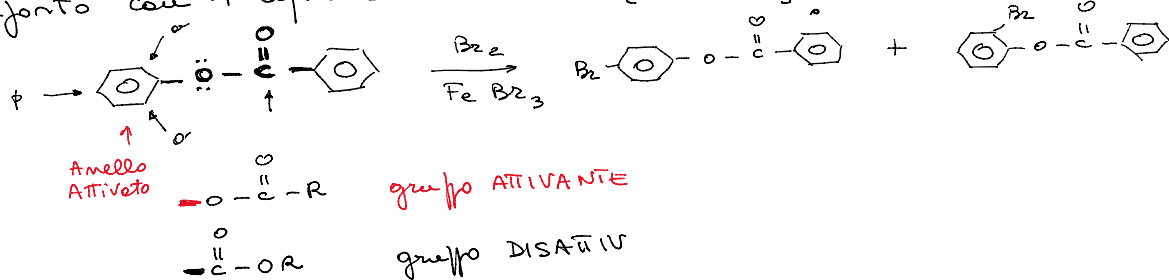




Sintesi:

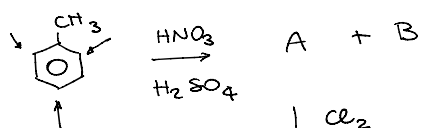


② Quali prodotti ottengo per reazione del seguente composto con 1 equivalente di $\text{Br}_2 + \text{FeBr}_3$?

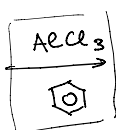
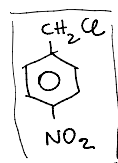


Catene di Reazioni:



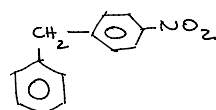
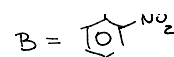
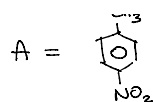


C



RCI

D



Sostituzione
 di un H con
 cloro
 (Alogenazione
 degli Alcani)