Acetal < Aromaticatic Acetal ~ Aromaticatic	• •		Initial Final
Acetal > Aromaticatic Acetal < Aryl Chloride			
Acetal ~ Aryl Chloride Acetal ~ Aryl Chloride	*		
Acetal > Aryr Chloride Acetal < Ketone Acetal ~ Ketone			
Acetal > Ketone			
Acid Secondary Amide < Ether Acid Secondary Amide ~ Ether	*		
Acid Secondary Amide > Ether Acid Secondary Amide < Heterocycle			
Acid Secondary Amide ~ Heterocycle Acid Secondary Amide > Heterocycle			
Acid Secondary Amide < Primary Amine Acid Secondary Amide ~ Primary Amine			
Acid Secondary Amide > Primary Amine Acid Tertiary Amide < Heterocycle	• •		
Acid Tertiary Amide ~ Heterocycle Acid Tertiary Amide > Heterocycle	• •		
Acid Tertiary Amide < Ketone Acid Tertiary Amide ~ Ketone	•		
Acid Tertiary Amide > Ketone Alcohol < Aldehyde	• •		
Alcohol ~ Aldehyde Alcohol > Aldehyde	• •		
Alcohol < Alkane Alcohol ~ Alkane			
Alcohol > Alkane Alcohol < Alkene		⊣	
Alcohol ~ Alkene Alcohol > Alkene			
Alcohol < Alkyl Bromide Alcohol ~ Alkyl Bromide	*	H	M
Alcohol > Alkyl Bromide Alcohol < Aqueous	₩ ₩		
Alcohol ~ Aqueous Alcohol > Aqueous			
Alcohol < Aromaticatic			
Alcohol > Aromaticatic Alcohol < Ester			
Alcohol ~ Ester			
Alcohol < Ether Alcohol ~ Ether			
Alcohol > Ether			
Alcohol < Heterocycle Alcohol ~ Heterocycle			
Alcohol > Heterocycle Alcohol < Ketone			
Alcohol ~ Ketone Alcohol > Ketone			
Alcohol + Alcohol Alkane < Acid Tertiary Amide			
Alkane ~ Acid Tertiary Amide Alkane > Acid Tertiary Amide	• •		
Alkane < Aromaticatic			
Alkane > Aromaticatic Alkane < Ester			
Alkane ~ Ester	⊢	—	
Alkane < Ether	 		
Alkane > Ether	⊢		
Alkane ~ Heterocycle Alkane > Heterocycle			
Alkane < Secondary Amine Alkane ~ Secondary Amine	• IN IN		
Alkane > Secondary Amine Alkane + Alkane	♦		
Alkyl Bromide < Ester		-	
Alkyl Bromide > Ester Alkyl Chloride < Acid Tertiary Amide			H
Alkyl Chloride ~ Acid Tertiary Amide Alkyl Chloride > Acid Tertiary Amide			
Alkyl Chloride < Ester			
Alkyl Chloride > Ester Alkyl Chloride < Ether			
Alkyl Chloride ~ Ether			
Alkyl Chloride < Heterocycle Alkyl Chloride ~ Heterocycle			
Alkyl Chloride > Heterocycle Aqueous < Aromaticatic	⊢		
Aqueous ~ Aromaticatic Aqueous > Aromaticatic			
Aqueous < Ester Aqueous < Ether			
Aqueous ~ Ether Aqueous > Ether			
Aqueous ~ Heterocycle			
Aqueous > Heterocycle Aqueous < Primary Amine Aqueous ~ Primary Amine			
Aqueous > Primary Amine Aqueous < Secondary Amine			
Aqueous ~ Secondary Amine Aqueous > Secondary Amine			
Aqueous < Tertiary Amine Aqueous ~ Tertiary Amine			
Aqueous > Tertiary Amine Aromaticatic < Acid Secondary Amide	├		
Aromaticatic ~ Acid Secondary Amide Aromaticatic > Acid Secondary Amide			
Aromaticatic < Acid Tertiary Amide Aromaticatic ~ Acid Tertiary Amide	₩ ₩ • •		
Aromaticatic > Acid Tertiary Amide Aromaticatic < Aryl Chloride	⊢		
Aromaticatic ~ Aryl Chloride Aromaticatic > Aryl Chloride	•		
Aromaticatic < Ester			
Aromaticatic > Ester Aromaticatic < Ether			
Aromaticatic ~ Ether Aromaticatic > Ether	₩ •		
Aromaticatic < Heterocycle Aromaticatic ~ Heterocycle			
Aromaticatic > Heterocycle Aromaticatic < Ketone	₩		
Aromaticatic ~ Ketone Aromaticatic > Ketone			
Aromaticatic < Primary Amine Aromaticatic ~ Primary Amine			
Aromaticatic > Primary Amine Aromaticatic < Secondary Amine	a		
Aromaticatic ~ Secondary Amine Aromaticatic > Secondary Amine	• •		
Aromaticatic < Tertiary Amine Aromaticatic ~ Tertiary Amine	• •		
Aromaticatic > Tertiary Amine Aromaticatic + Aromaticatic	♦ ♦ ♦		
Aryl Chloride < Acid Secondary Amide Aryl Chloride ~ Acid Secondary Amide	• •		
Aryl Chloride > Acid Secondary Amide Aryl Chloride < Acid Tertiary Amide	• •		
Aryl Chloride ~ Acid Tertiary Amide Aryl Chloride > Acid Tertiary Amide			
Aryl Chloride < Ether Aryl Chloride ~ Ether	₩		
Aryl Chloride > Ether Aryl Chloride < Heterocycle	₩		
Aryl Chloride ~ Heterocycle Aryl Chloride > Heterocycle	₩Iol		
Ester + Ester Ether < Heterocycle			
Ether ~ Heterocycle Ether > Heterocycle			
Ether < Ketone Ether > Ketone			
Ether > Ketone Ether < Primary Amine	♦♦♦		
Ether ~ Primary Amine Ether > Primary Amine	•		
Heterocycle < Ketone Heterocycle ~ Ketone			
Heterocycle > Ketone Heterocycle < Primary Amine			
Heterocycle < Primary Amine Heterocycle < Tertiary Amine			
Heterocycle < Tertiary Amine Heterocycle > Tertiary Amine	• •		
Heterocycle > Tertiary Amine Heterocycle + Heterocycle Ketone < Primary Amine			
Ketone < Primary Amine Ketone ~ Primary Amine Ketone > Primary Amine			
Ketone > Primary Amine Ketone < Secondary Amine Ketone ~ Secondary Amine			
Ketone ~ Secondary Amine Ketone > Secondary Amine Ketone < Tertiary Amine			
Ketone < Tertiary Amine Ketone ~ Tertiary Amine Ketone > Tertiary Amine			
	000 0.025 0.050 0.075 0.100 0.125 0.1 RMSE	 l50 0.1	75 0.200