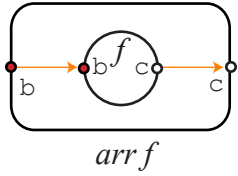


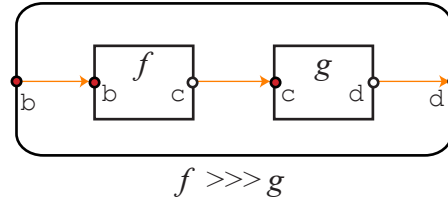
# Arrows Cheat Sheet

Antony Courtney

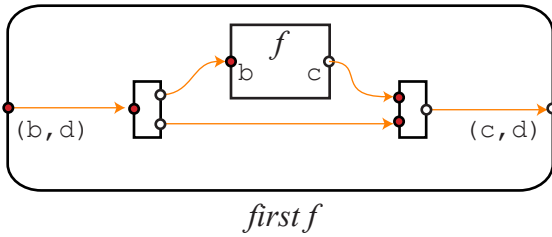
$arr :: Arrow\ a \Rightarrow (b \rightarrow c) \rightarrow a\ b\ c$



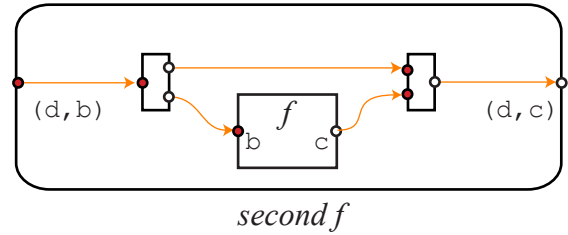
$(>>>) :: Arrow\ a \Rightarrow a\ b\ c \rightarrow a\ c\ d \rightarrow a\ b\ d$



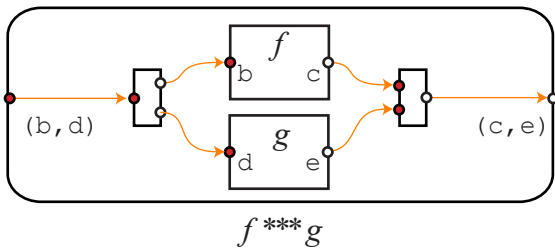
$first :: Arrow\ a \Rightarrow a\ b\ c \rightarrow a\ (b,d)\ (c,d)$



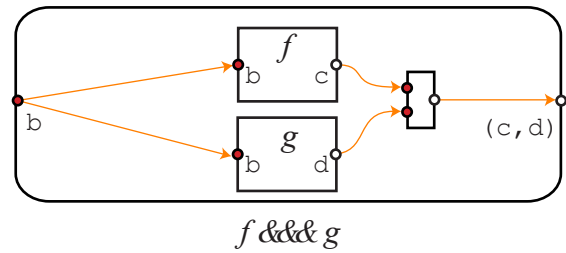
$second :: Arrow\ a \Rightarrow a\ b\ c \rightarrow a\ (d,b)\ (d,c)$



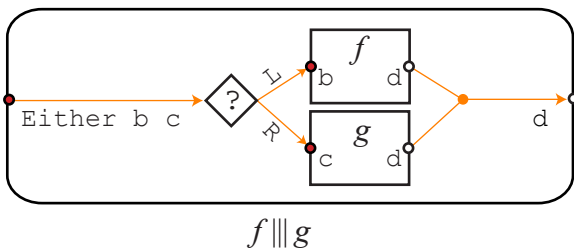
$(***) :: Arrow\ a \Rightarrow a\ b\ c \rightarrow a\ d\ e \rightarrow a\ (b,d)\ (c,e)$



$(&\&\&) :: Arrow\ a \Rightarrow a\ b\ c \rightarrow a\ b\ d \rightarrow a\ b\ (c,d)$



$(|||) :: ArrowChoice\ a \Rightarrow$   
 $a\ b\ d \rightarrow a\ c\ d \rightarrow a\ (Either\ b\ c)\ d$



$loop :: ArrowLoop\ a \Rightarrow$   
 $a\ (b,d)\ (c,d) \rightarrow a\ b\ c$

