Birthday\_Problem\_Assignment.R

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bir\_prod<-function(n)  
{  
 1-(choose(365,n)\*factorial(n)/365^n)  
}  
  
k=seq(10,70,by=5)  
  
bp<-bir\_prod(k)  
  
plot(k,bp,type="l",xlab="number of people",ylab="Prob(same birthday)",col="blue",lwd=2)

