```
turkey.fun <- function(x){
 out<- log(x)*1.65
 out
 }

x.ax <- seq(10,35,by=0.01)
hours <- turkey.fun(x.ax)
data<-cbind(x.ax,hours)
colnames(data) <- c("Weight","Hours")
data <- data.frame(data)

pdf(file="singer-turkey.pdf",height=6,width=6)
xyplot(Hours~Weight,data=data,
        panel=function(x,y){
                panel.grid(h=20,v=16
                        )
                panel.xyplot(x,y,
                        type="l",
                        lwd=2
                                )
        },
        ylab="Cooking Time in Hours",
        xlab="Weight of Turkey in lbs",
        main="Jon Singer's Turkey Algorithm"
        )
dev.off()
```

-:** turkey.r All (10,0) (ESS[S] [R] vl)

```
+  out<- log(x)*1.65
+  out
+  }
>
> x.ax <- seq(10,35,by=0.01)
> hours <- turkey.fun(x.ax)
> data<-cbind(x.ax,hours)
> colnames(data) <- c("Weight","Hours")
> data <- data.frame(data)
> head(data)
  Weight    Hours
1  10.00 3.799265
2  10.01 3.800915
3  10.02 3.802562
4  10.03 3.804208
5  10.04 3.805852
6  10.05 3.807495
> summary(data)
     Weight          Hours
 Min.   :10.00   Min.   :3.799
 1st Qu.:16.25   1st Qu.:4.600
 Median :22.50   Median :5.137
 Mean   :22.50   Mean   :5.043
 3rd Qu.:28.75   3rd Qu.:5.542
 Max.   :35.00   Max.   :5.866
>
```

-:** *R* Bot (145,2) (iESS [R]: run vl)

Auto-saving...done