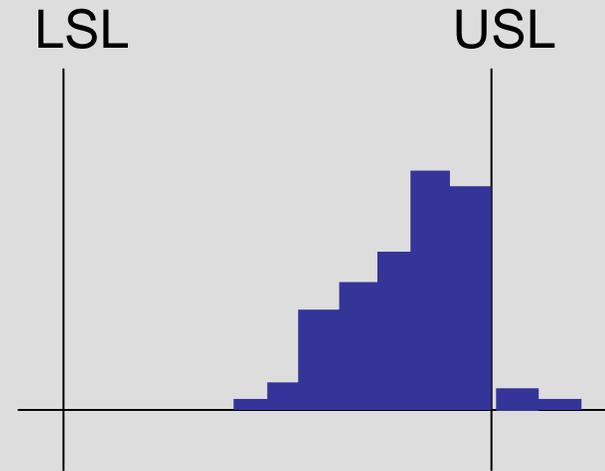
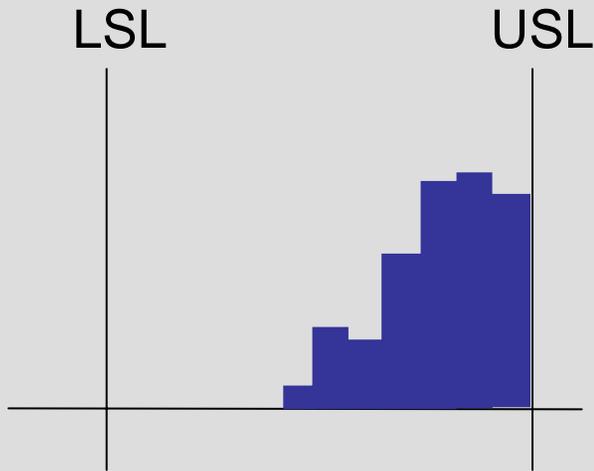


# Quality

## Exercise 7

Name: \_\_\_\_\_

The two following quality control histograms represent the distribution of the number of dead pixels per square inch in a LCD display component received by a cell phone manufacturer from a supplier. From an operational standpoint, what is likely to have produced such results? Note: we are NOT asking for an engineering or technical answer.



# Quality

## Exercise 8

**What is the capability of a centered process that would produce 1 part per million outside of the upper and lower specification limits?**

**Hint: in Excel, the function giving the fractiles of the standard normal distribution is `NORMSINV(probability)`.**