

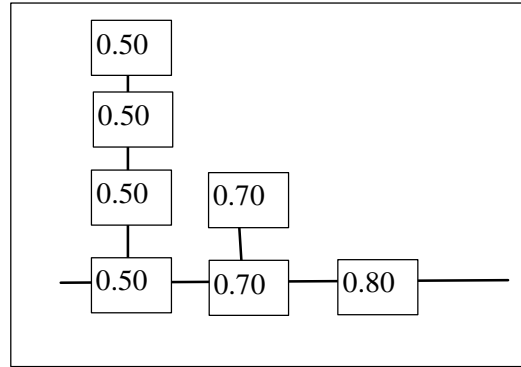
Quiz 5 Put Responses in mygateway under assignments

1) *The practice of working overtime while slacking off during regular working hours:*

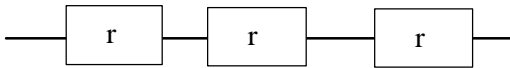
- A. the minimax regret strategy.
- B. the overflowing bologna sandwich technique.
- C. the salami technique.
- D. decision trees.
- E. factor rating.
- F. Ben Franklin's balance sheet approach.

2) What is the reliability of this system?

- A. 2.478
- B. 3.84
- C. virtually 100%
- D. 5.32
- E. 1.12
- F. .6825
- G. 0.32
- H. 0.0256
- I. 0.744



3) A system has three identical components, with the same reliability. All three must work for the system to work. If you need an overall system reliability of 0.857, what must the reliability of the individual components be?



- A. 0.1706667
- B. 1.536
- C. 0.9
- D. 0.857
- E. 0.95
- F. 0.98

4) In SPC, the number of defects per piece are tracked using:

- A. A variometer invented by Cosby in 1973
- B. The X-bar chart
- C. The R-chart
- D. The P-chart
- E. The C-Chart
- F. The Z chart

5) A process filling beer bottles gives mean volume of 32 ounces with a standard deviation of one ounce. If samples of 16 bottles ($n=16$) are tested for the X-bar chart and three sigma limits are used, what are the upper and lower control limits on the chart?

UCL=

LCL=