# Problem 1

Answer to the problem goes here.

1. Problem 1 part 1 answer here:

H1: E6 – works; H2: E6 – fails

H1, H2 are hypotheses

Define probability of fail as

1. Problem 1 part 2 answer here:

# Problem 2

1. Problem 2 part 1 answer here:

Define be the two batches.

In the first draw:

In the second draw, the probability of non-conforming given the first try is conforming:

1. Problem 2 part 2 answer here:

# Problem 3

1. Problem 3 part 1 answer here:

H0: A, B, C, D work at same time

H1: A, B, C works, D fail

H2: A, B, D works, C fail

H3: A, C, D works, B fail

H4: B, C, D works, A fail

W is machine will work

When

1. Problem 3 part 2 answer here:

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