

Suppose that the following test fails in the buggy version:

```
public void testMath1021() {  
    final int N = 43130568;  
    final int m = 42976365;  
    final int n = 50;  
    double p = 0.8955874687296737;  
  
    final HypergeometricDistribution dist = new HypergeometricDistribution(N, m, n);  
    final int sample = dist.inverseCumulativeProbability(p);  
    Assert.assertTrue(0 <= sample);  
}
```

It turns out that the test fails when `dist.getNumericalMean()` returns a negative number. Otherwise (i.e., when `dist.getNumericalMean()` does not return a negative number), `dist.inverseCumulativeProbability(p)` returns a correct output.

Now suppose that we have a patch for this bug, and we are going to use the following test to validate this patch. Complete this test by filling in the underlined blank.

```
public void testMath1021(int sampleSize, int n, int popSize, double p) {  
    // We make sure that sampleSize is not greater than popSize.  
    assertTrue(sampleSize <= popSize);  
    // We make sure that p > 0 and p <= 1.  
    assertTrue(p > 0 && p <= 1);  
  
    HypergeometricDistribution dist =  
        new HypergeometricDistribution(popSize, sampleSize, n);  
    int sample = dist.inverseCumulativeProbability(p);  
  
    // Fill in the following blank with a boolean expression.  
    // Note that under the given condition, the original version is assumed to run correctly,  
    // and we expect that the same output will be produced from the patched version.  
    assertSameOutIf(_____, /* output */ sample);  
}
```

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