Test case 6

6. y = 3,454,565,789 x= 4,234,356,765

Will take the same path as 4 up to the if statement if x.compareTo(y) < 0

if x.compareTo(y) < 0

if < 0 x < y

true

x > y

result = x; x = y; y = result;
swapped = true

false

BigInteger rem = new BigInteger();
BigInteger quot = new BigInteger();
divide(x, y, quot, rem, FLOOR);
rem.canonicalize();
quot.canonicalize();
BigInteger[] xy = new BigInteger[2];
euclidInv(y, rem, quot, xy);
result = swapped ? xy[0] : xy[1];

true

if(result.isNegative())

true

false

result = add(result,
swapped ? x : y, 1);

false

return result