Console Output : First test

First range::[43012,45950]

currentRange::[44000,45000]

presentRangeMaxVal:: 45000

presentRangeMinVal:: 44000

presentRangeMinVal <= upper:: true

upper:: 45950

currentRange::[45012,46937]

presentRangeMaxVal:: 46937

presentRangeMinVal:: 45012

presentRangeMinVal <= upper:: true

upper:: 46937

currentRange::[45500,45590]

presentRangeMaxVal:: 45590

presentRangeMinVal:: 45500

presentRangeMinVal <= upper:: true

upper:: 46937

currentRange::[45999,47900]

presentRangeMaxVal:: 47900

presentRangeMinVal:: 45999

presentRangeMinVal <= upper:: true

upper:: 47900

currentRange::[49679,52015]

presentRangeMaxVal:: 52015

presentRangeMinVal:: 49679

presentRangeMinVal <= upper:: false

else:: [43012,47900]

currentRange::[49800,50000]

presentRangeMaxVal:: 50000

presentRangeMinVal:: 49800

presentRangeMinVal <= upper:: true

upper:: 52015

currentRange::[51500,53479]

presentRangeMaxVal:: 53479

presentRangeMinVal:: 51500

presentRangeMinVal <= upper:: true

upper:: 53479

currentRange::[54012,59607]

presentRangeMaxVal:: 59607

presentRangeMinVal:: 54012

presentRangeMinVal <= upper:: false

else:: [49679,53479]

[43012,47900]

[49679,53479]

[54012,59607]

Console Output : Second test

First range::[94133,94133]

currentRange::[94200,94299]

presentRangeMaxVal:: 94299

presentRangeMinVal:: 94200

presentRangeMinVal <= upper:: false

else:: [94133,94133]

currentRange::[94600,94699]

presentRangeMaxVal:: 94699

presentRangeMinVal:: 94600

presentRangeMinVal <= upper:: false

else:: [94200,94299]

[94133,94133]

[94200,94299]

[94600,94699]

Console Output : Third test

First range::[94133,94133]

currentRange::[94200,94299]

presentRangeMaxVal:: 94299

presentRangeMinVal:: 94200

presentRangeMinVal <= upper:: false

else:: [94133,94133]

currentRange::[94226,94399]

presentRangeMaxVal:: 94399

presentRangeMinVal:: 94226

presentRangeMinVal <= upper:: true

upper:: 94399

[94133,94133]

[94200,94399]

Junit test screenshot:

