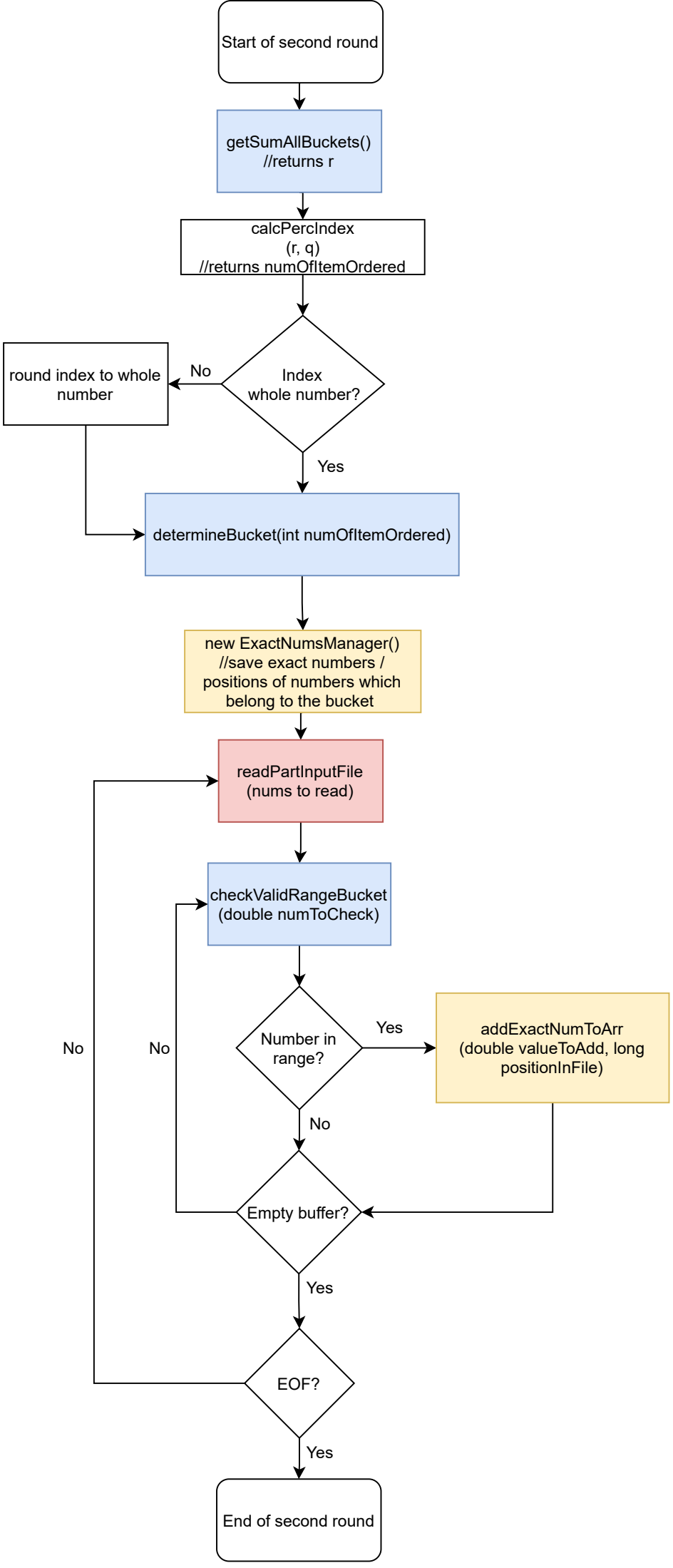
Start of second round
getSumAllBuckets()
//returns r
calcPercIndex
(r, q)
//returns numOfItemOrdered
Index
whole number?
No
round index to whole
number
Yes
determineBucket(int numOfItemOrdered)
new ExactNumsManager()
//save exact numbers /
positions of numbers which
belong to the bucket
readPartInputFile
(nums to read)
checkValidRangeBucket
(double numToCheck)
Number in
range?
Yes
addExactNumToArr
(double valueToAdd, long
positionInFile)
No
No
No
Empty buffer?
Yes
EOF?
Yes
End of second round