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SDEV 120

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Debug 2

start

Declarations

string roomAName

num roomAValue

string roomBName

num roomBValue

string bothFilesDone = "N"

num LOW\_VALUE = -1

InputFile roomAFile

InputFile roomBFile

OutputFile mergedFile

getReady()

while bothFilesDone = "N"

detailLoop()

endwhile

allDone()

stop

getReady()

open roomAFile "roomAFile.dat"

open roomBFile "roomBFile.dat"

open mergedFile "mergedFile.dat"

readA()

readB()

checkBoth()

return

readA()

input roomAName, roomAValue from roomAFile

if eof then

roomAValue = LOW\_VALUE

endif

return

readB()

input roomBName, roomBValue from roomBFile

if eof then

roomBValue = LOW\_VALUE

endif

return

checkBoth()

if roomAValue = LOW\_VALUE AND roomBValue = LOW\_VALUE then

bothFilesDone = "Y"

endif

return

detailLoop()

if roomAValue > roomBValue then

output roomAName, roomAValue to mergedFile

readA()

else

output roomBName, roomBValue to mergedFile

readB()

endif

checkBoth()

return

allDone()

close roomAFile

close roomBFile

close mergedFile

return