

" \rightarrow Biglist = \langle recursive \rangle
 $\mid \langle \text{check value} \rangle == 1$ RecursiveHead

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list of lists of [i, [0, 0]]

otherwise buildList

[]

buildList :: [Int] \rightarrow Int \rightarrow Int \rightarrow Int \rightarrow [Int]

buildList A loopInd index value =

\mid (index == 0) = recurseBuild (A [0]:A!!0 1 index value)

\mid otherwise = recurseBuild (A [0]:value 1 index value)

recurseBuild :: [Int] \rightarrow [Int] \rightarrow Int \rightarrow Int \rightarrow Int \rightarrow [Int]

recurseBuild A B loopInd index value

\mid loopInd == 49 = B

\mid loopInd == index = recurseBuild (A B: value (loopInd + 1) index value)

\mid otherwise = recurseBuild (A B: A!!loopInd (loopInd + 1) index value)