

MatrixList<Integer>: MATRIXLIST String: genes1 String: genes2 integer: maxScore integer[]: MAXCOORDINATES String: localAlignedSequence SmithWaterman(): void +getInsatnce(): SmithWaterman +setGenes(String genes1): void +setGenes2(String genes2): void +computeCell(int vertical, int horizontal): void +setMaxScore(): void +setLocalAlignedSequence(): void +resolveSmithWaterman(): void +getMaxScore(): integer +getMaxCoordinates(): integer[]

+toString(): String

Class SmithWaterman

SmithWaterman: instance

+main(String[] args): void displayList(ArrayList<String> list): String

Class Main

ArrayList<String>: arrayGenes

Scanner: input