IntGrid 2D. java analysis — space complexity. Pax H
horor code
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upheld

* "get..." methods do not affect memory

setpoint(); does not and new require new memory

space to be allotted.

intégria 20 constanctor, which contains time constants variables (ULX, ULY, LRX, LRY, and fill) assignments and the double loop that instantiates there / fills the 2D array. The variable assignments always require constant time, so can be discounted.

for (int x = 0; x zi; x++) \(\) (x \) \(

toop executes i times. It is and if and given by the inputs to the constructor, so they are the independent variable in the space complexity agreetion.

the call "grid[x][y] = fill;" takes constant time, so

the time for the don assigns a value to one sport in

memory, so the space function $S(i) = i \times j \, \omega$ if i = j then $S(i) = i^2$ if i > 7j then S(i) = i

so S(i) is in O(n2) and S2(i).

polynomial linear