

Challenge Problem 2: Inventor Paradox

Three friends are talking about Ivan.¹

"Ivan has invented at least 100 toys," Gerry said.

"No he hasn't," George said. "He has invented fewer than that."

"Well, he has invented at least one toy." Anita said.

Only one of those statements is true. How many toys has Ivan invented?

¹This problem is from Playthinks by Ivan Moscovich.