Challenge Problem 2: Inventor Paradox

Three friends are talking about Ivan.¹

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

[&]quot;Ivan has invented at least 100 toys," Gerry said.

[&]quot;No he hasn't," George said. "He has invented fewer than that."

[&]quot;Well, he has invented at least one toy." Anita said.

¹This problem is from Playthinks by Ivan Moscovich.