

A ballpark sells bags of popcorn for \$1 each and bags of peanuts for \$2 each. Hector will buy x bags of popcorn and y bags of peanuts. He wants to buy at least 8 bags to feed his group of friends. He has at most \$14 to spend.

This problem can be modeled by a system of inequalities. Which graph shows this system's solution in purple?