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LOGIC

- 2000
21. If all alligators are ferocious creatures and some creepy crawlers are alligators, which statement(s) **must** be true?
- I. All alligators are creepy crawlers.
 - II. Some ferocious creatures are creepy crawlers.
 - III. Some alligators are not creepy crawlers.
- (A) I only (B) II only (C) III only
(D) II and III only (E) None must be true

2011A 23. Seven students count from 1 to 1000 as follows:

- Alice says all of the numbers, except she skips the middle number in each consecutive group of three numbers. That is, Alice says 1, 3, 4, 6, 7, 9, . . . , 997, 999, 1000.
- Barbara says all of the numbers that Alice doesn't say, except she also skips the middle number in each consecutive group of three numbers.
- Candice says all of the numbers that neither Alice nor Barbara says, except she also skips the middle number in each consecutive group of three numbers.
- Debbie, Eliza, and Fatima say all of the numbers that none of the students with first names beginning before theirs in the alphabet say, except each also skips the middle number in each of her consecutive groups of three numbers.
- Finally, George says the only number that no one else says.

What number does George say?

- (A) 37 (B) 242 (C) 365 (D) 728 (E) 998