


Project name : Bag of Bigger numbers ^

Observations and doodles	
 <p>Ali and Zoe reach into a bag that they know contains nine lottery balls numbered 1-9. They each take one ball out to keep and they look at it secretly. Then, they make the following statements, in order:</p> <p>Ali: "I don't know whose number is bigger." Zoe: "I don't know whose number is bigger either." Ali: "I still don't know whose number is bigger." Zoe: "Now I know that my number is bigger!"</p> <p>Assuming Ali and Zoe are perfectly logical, what is Zoe's smallest possible number?</p>	
Wrong answers and guesses (Goldilocks)	

^ Source: Brilliant.org: <https://brilliant.org/100day/day73>

Solve + explain

(for your convenience, putting it again here)

Ali: "I don't know whose number is bigger."

Zoe: "I don't know whose number is bigger either."

Ali: "I still don't know whose number is bigger."

Zoe: "Now I know that my number is bigger!"