



Problem of the Week

Problem A

Reading Randomly

Anya wants to get into the habit of reading for at least 20 minutes each day. She makes a plan to build up her reading gradually over several days. On Day 1, she reads for 5 minutes. After Day 1, she plans to read according to the following pattern:

- On even-numbered days, she reads twice as long as she did the day before.
- On odd-numbered days, she reads for 4 fewer minutes than she did the day before.

If she follows the pattern, on which day is the first time Anya reads for at least 20 minutes? Justify your answer.

