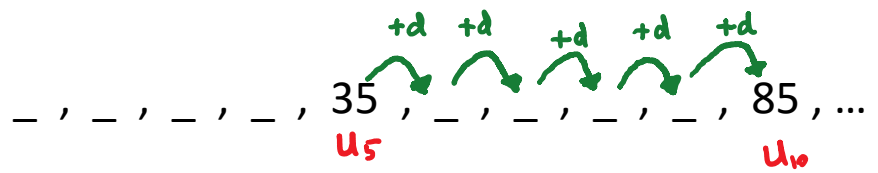


The 5th term of an arithmetic sequence is 35 and the 10th term is 85.
What is the 20th term?



$$85 = 35 + 5d$$

$$50 = 5d$$

$$10 = d$$

$$U_n = U_1 + (n - 1)d$$

$$U_{20} = U_1 + 19d$$

$$U_{20} = U_{10} + 10d$$

$$U_{20} = 85 + 10 \times 10$$

$$U_{20} = 185$$