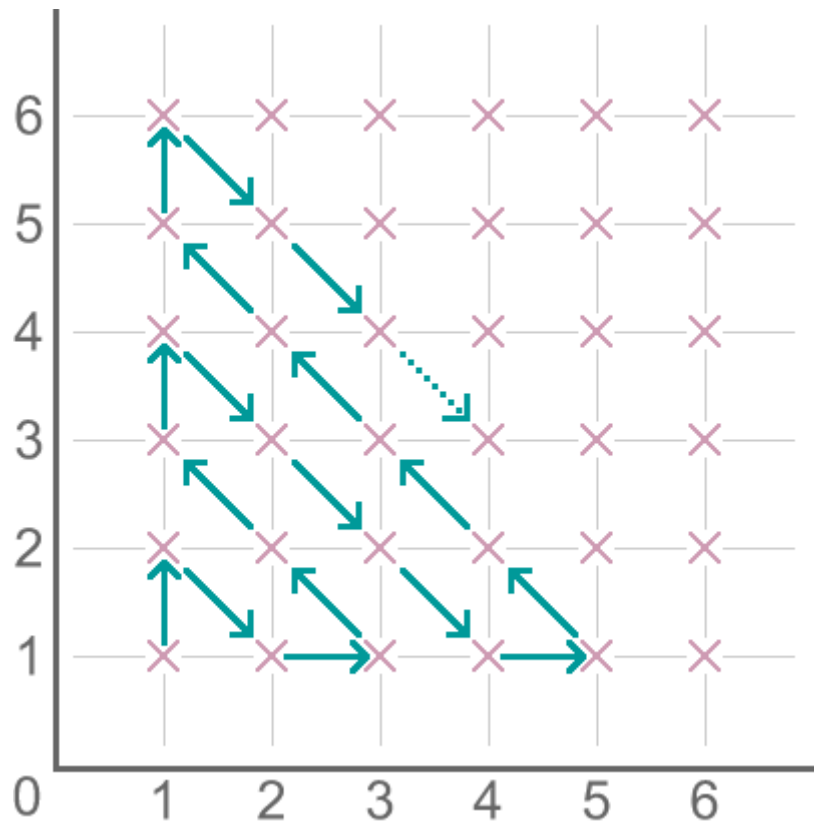


Take some time to look at the route followed by the arrows in this diagram.



If the pattern of arrows continues forever, which point will be visited immediately after $(18, 17)$?
Explain how you know.

How many points will be visited **before** the route reaches the point $(9, 4)$?
Explain how you worked it out.

Which point will be the 1000th to be visited?