of reals were of vital significance consider  $\{(x_n, y_n): n \geq 1\}$   $\{(x_n, y_n): n \geq 1\}$ What would it mean to say that such a sequence is we get in R?? Clearly,  $(x_n, y_n) \rightarrow (x_{00}, y_{00})$   $(x_n, y_n) \rightarrow (x_{00}, y_{00})$