10 an example is  $A_n = (-1)^n \times [0, \infty)$ 

10 an example is  $A_n = (-1)^n \times [0,2)$ 

The intersection has only one real number. Proof:

All even  $n A_2 = A_4 = A_6 = ... = [0,2]$ All odd  $n A_1 = A_3 = A_5 = ... = -1 \times [0,2]$ 

There is Every An consist the real number of N = 0 N = 0