

Drawings for the file

<http://math.ucr.edu/~res/math145A-2017/aabNewUpdate11.145A.w20.pdf>

New Problem 4. In this drawing, the horizontal (red) line is the slice $X \times \{b\}$ and the vertical (blue) line is the slice $\{a\} \times Y$. Observe that the intersections of these lines with the box $A \times B$ are just the corresponding slices in the latter.

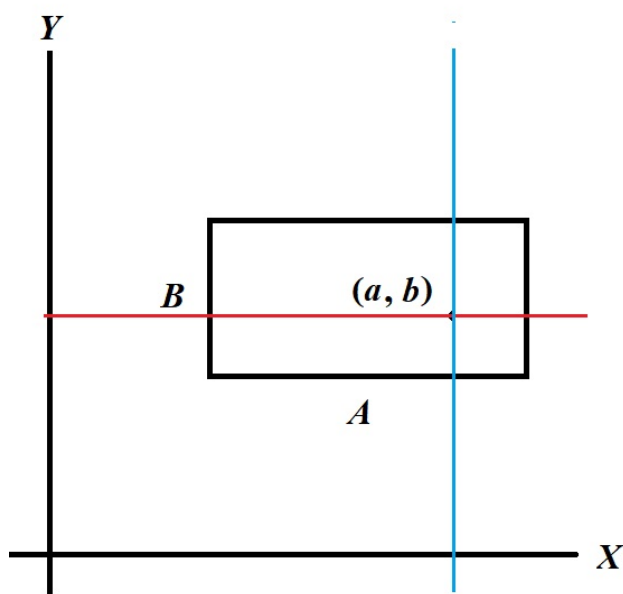


Figure 1

New Problem 6(d). The intervals U_1, U_2, U_3 and the intersection of all the U_n are depicted below. Note that every U_n contains the next open set in the sequence and the intersection is the half open interval $(0,1]$.

