

Figure 1 shows a 15x15 grid with dashed red lines partitioning it into several regions. The regions are labeled as follows:

- $A_{8,8}$ and $A_{8,9}$ (top-left)
- $A_{9,8}$ and $A_{9,9}$ (below $A_{8,8}$ and $A_{8,9}$)
- $A_{4,5}$ (to the right of $A_{8,9}$)
- $A_{5,4}$ (to the left of $A_{10,10}$ and $A_{11,10}$)
- $A_{10,10}$, $A_{10,11}$, $A_{11,10}$, and $A_{11,11}$ (center)
- $A_{2,3}$ (to the right of $A_{10,11}$)
- $A_{12,12}$, $A_{12,13}$, $A_{13,12}$, and $A_{13,13}$ (bottom-right)
- $A_{6,7}$ (to the right of $A_{13,13}$)
- $A_{3,2}$ (to the left of $A_{13,12}$)
- $A_{7,6}$ (to the left of $A_{14,14}$ and $A_{15,14}$)
- $A_{14,14}$, $A_{14,15}$, $A_{15,14}$, and $A_{15,15}$ (bottom-right corner)