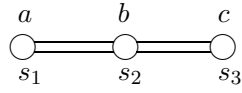Let (W, S) be the affine Weyl group of type $\tilde{B}_2$ with diagram and weight function given by
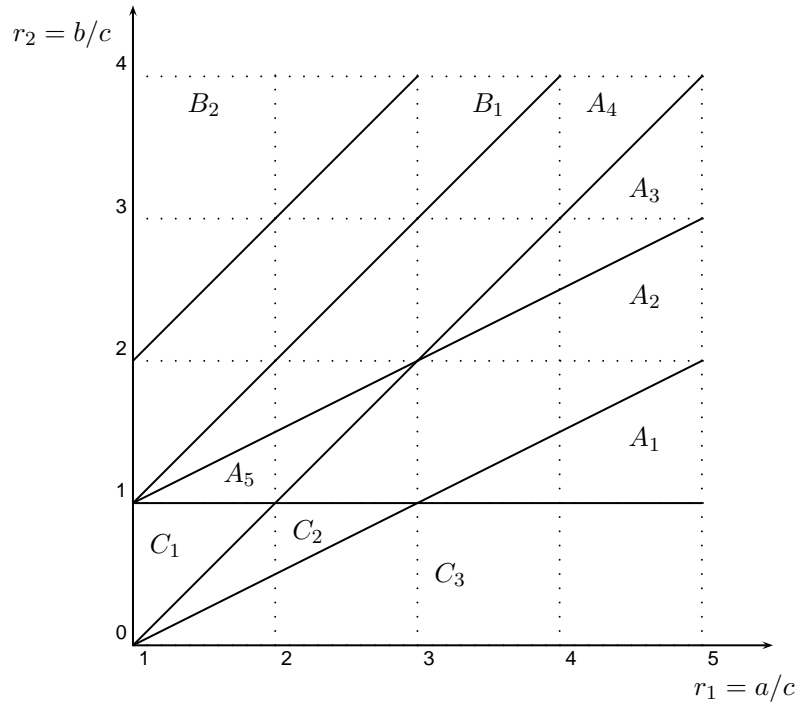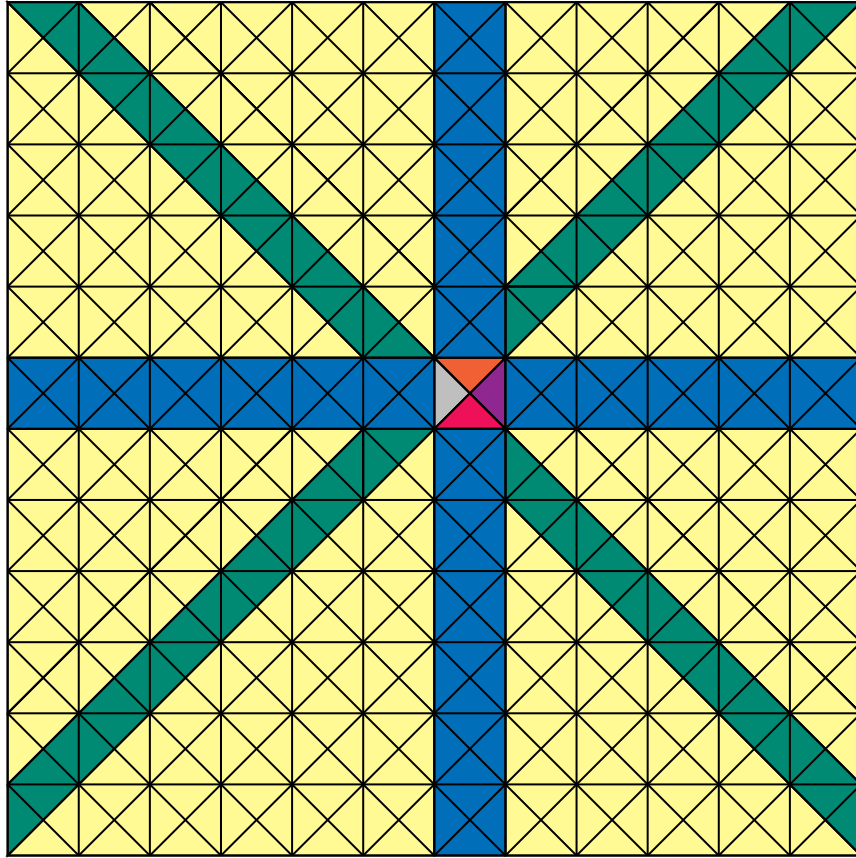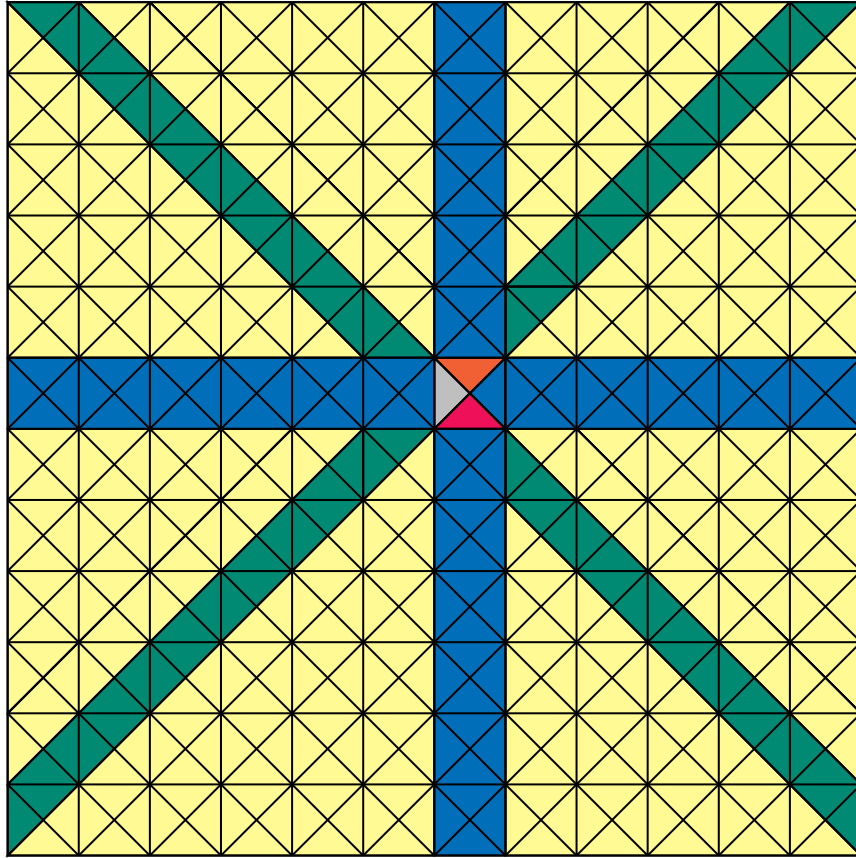

where $a, b, c \in \mathbb{N}$. We may assume that $a \geq c$. We set $r_1 = a/c$ and $r_2 = b/c$. We define the following subset of $\mathbb{R}^2$.
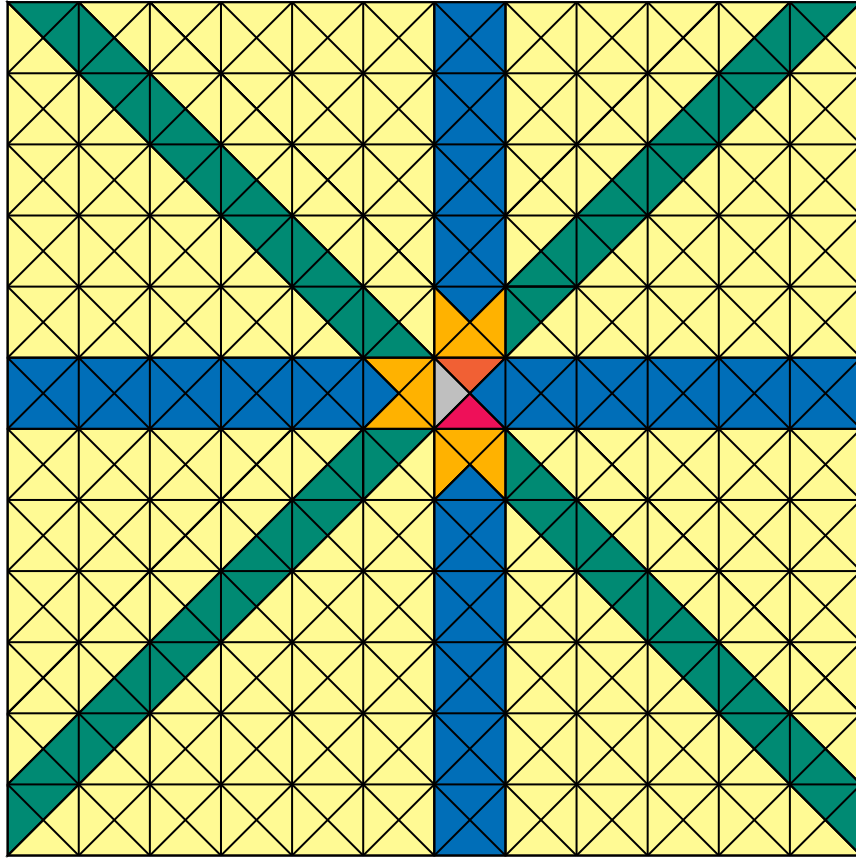

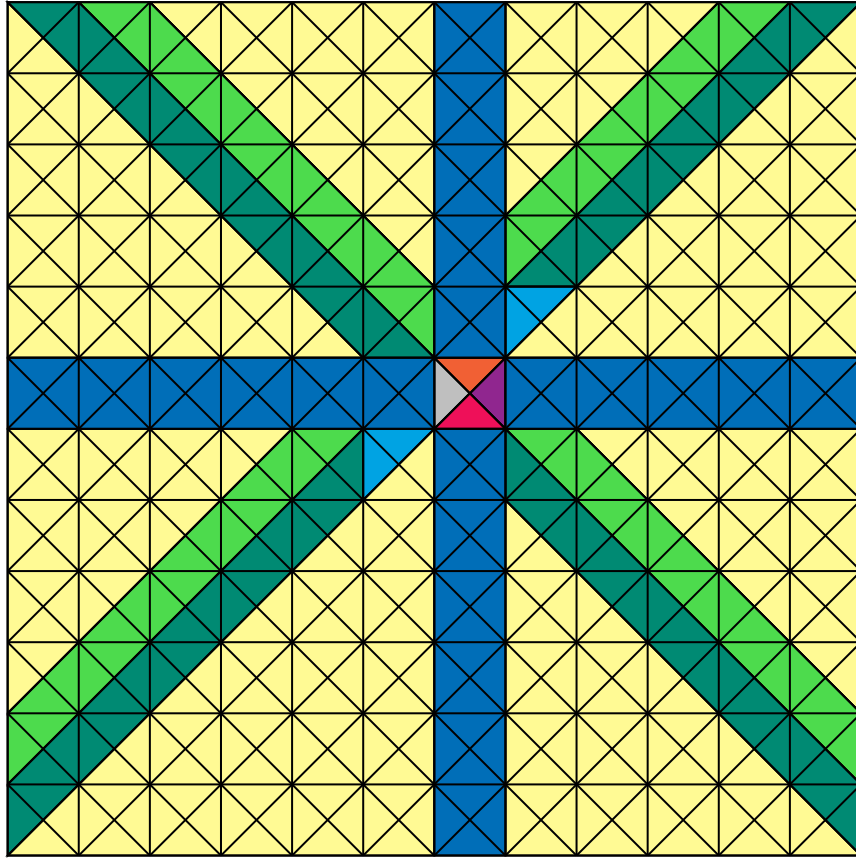Then working out the partition of $\tilde{B}_2$ we obtain the following partition into cells.

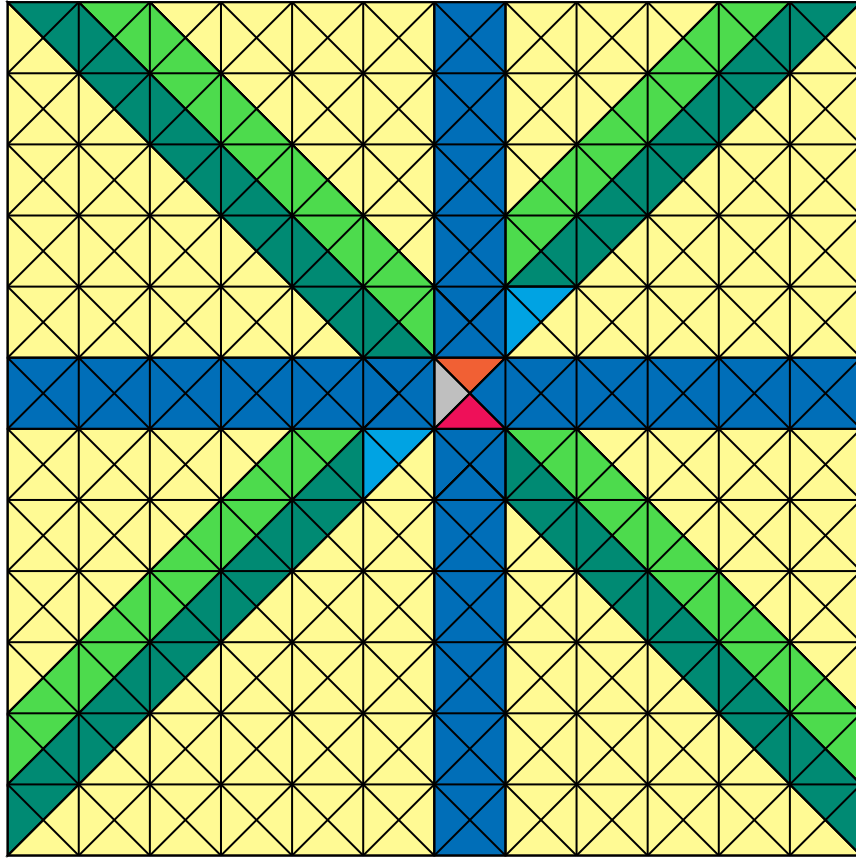$(r_1, r_2) \in B_2$ and $r_1 = 1$

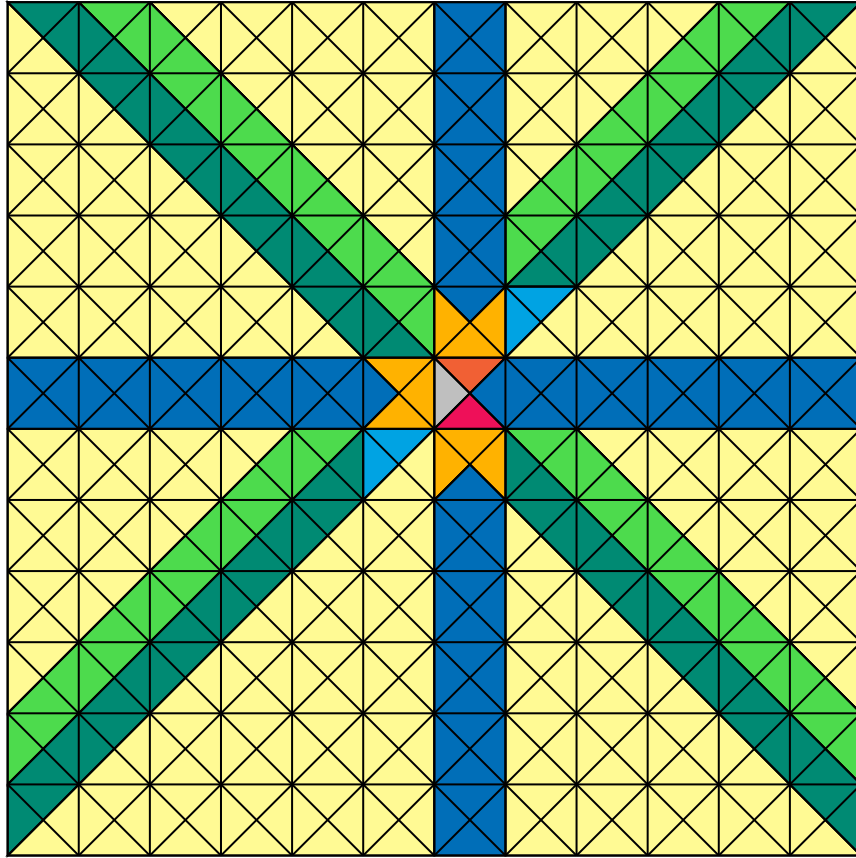$(r_1, r_2) \in B_1 \cap B_2$ and $r_1 = 1$
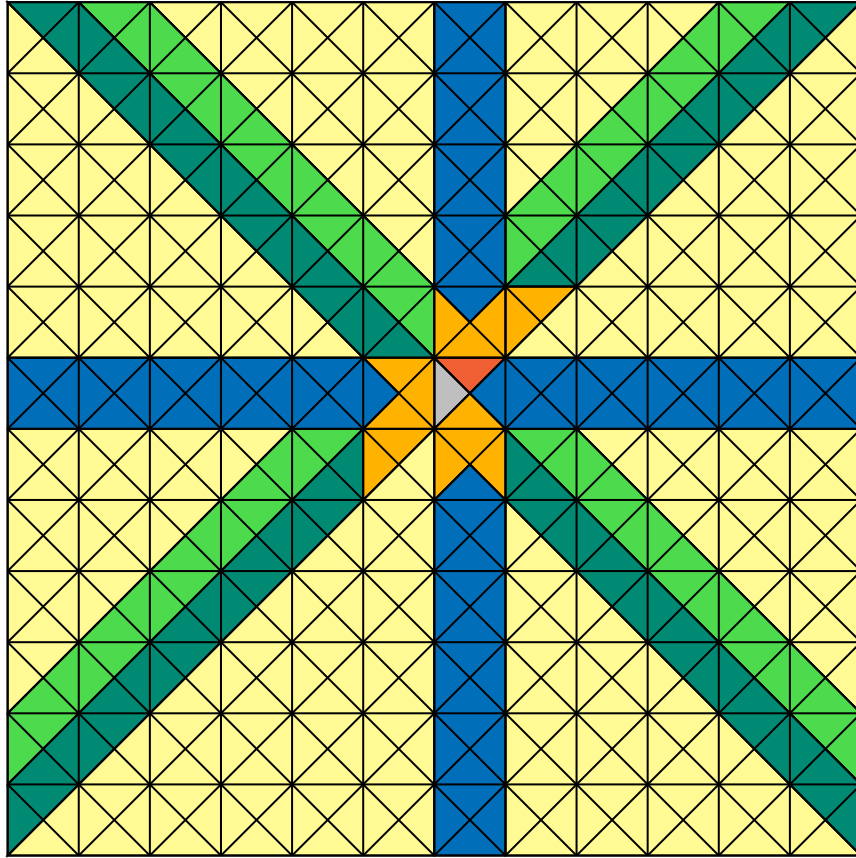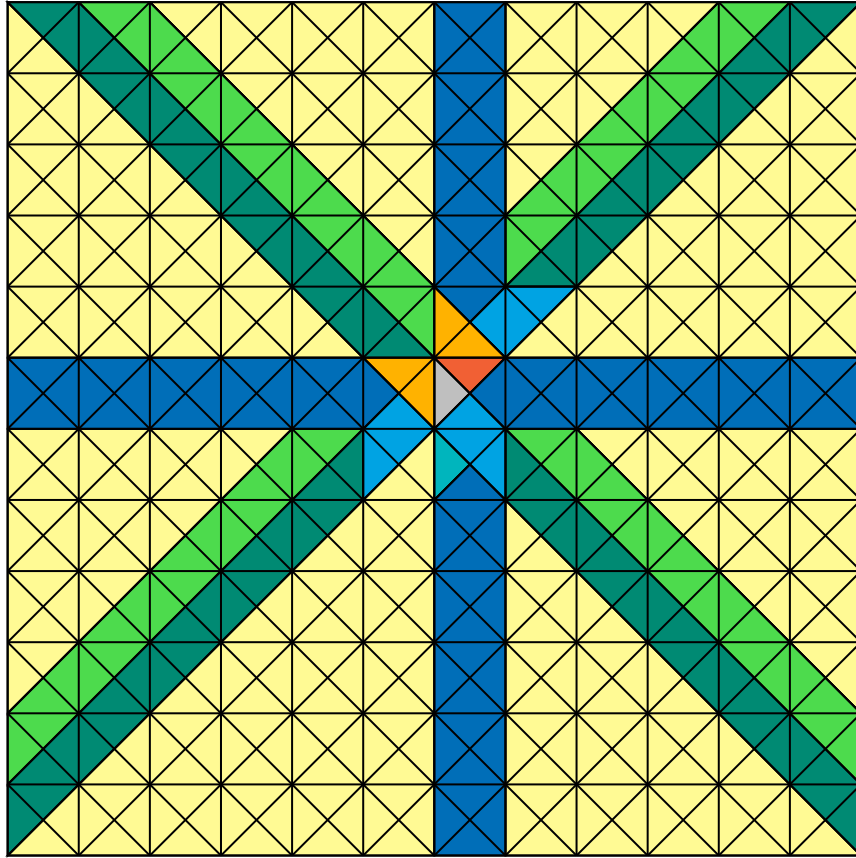
$(r_1, r_2) \in B_1$ and $r_1 = 1$
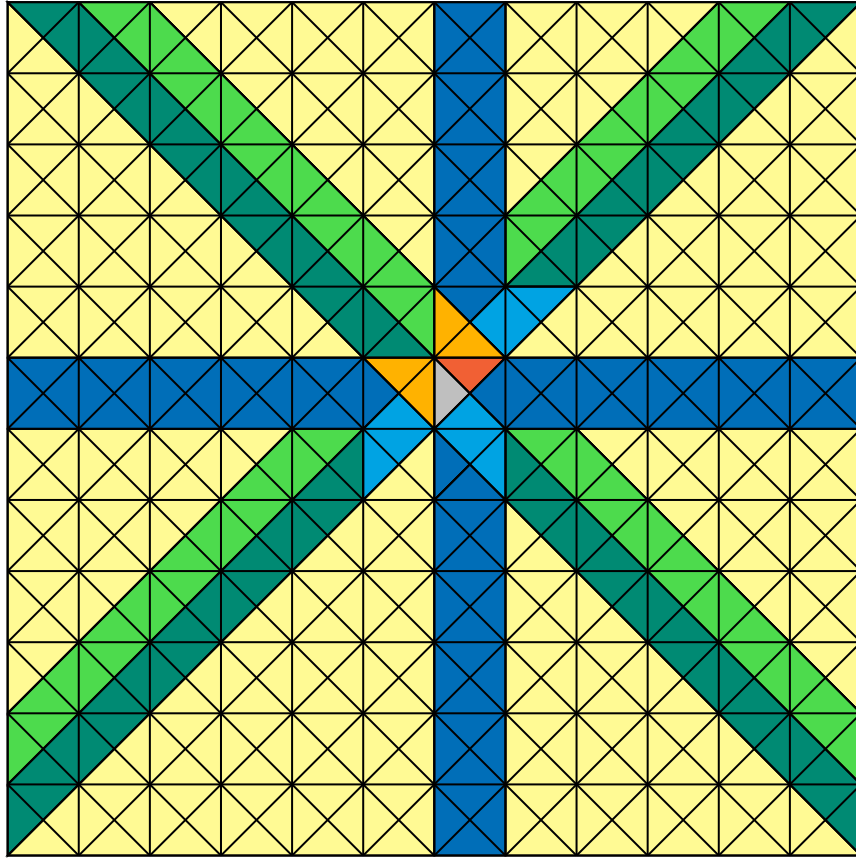
1

$(r_1, r_2) \in B_2$

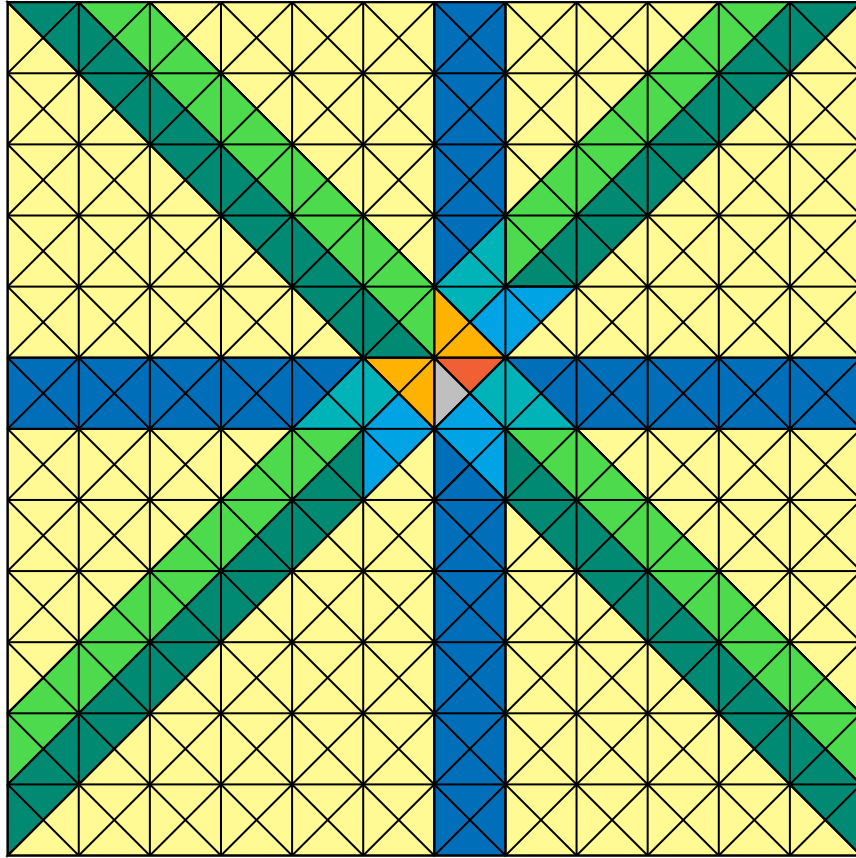$(r_1, r_2) \in B_1 \cap B_2$
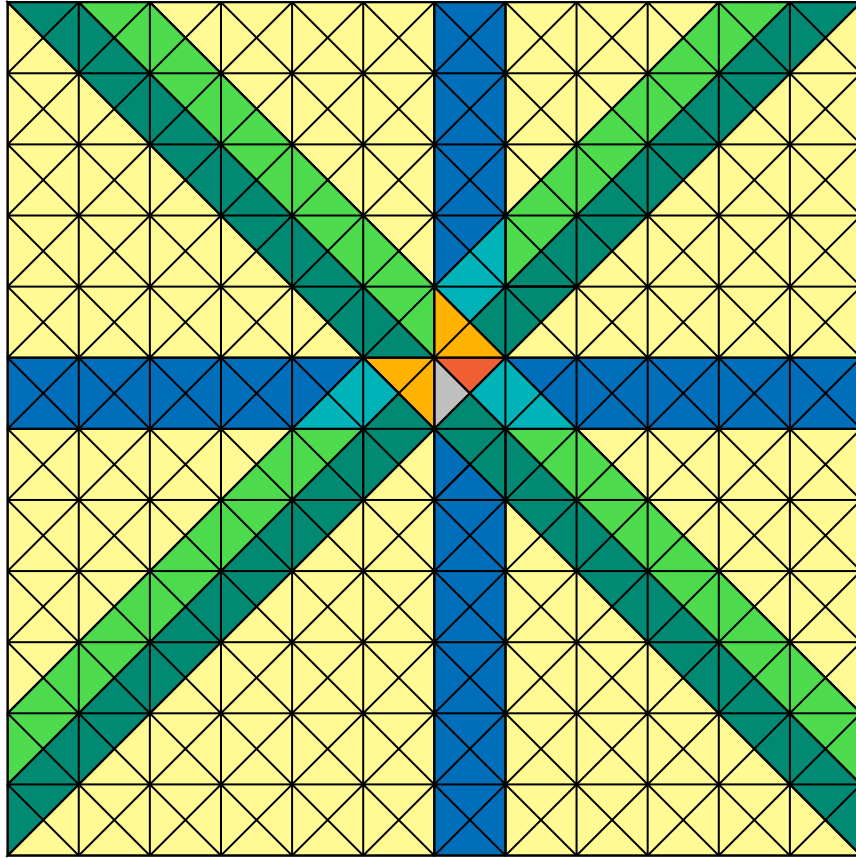
$(r_1, r_2) \in B_1$
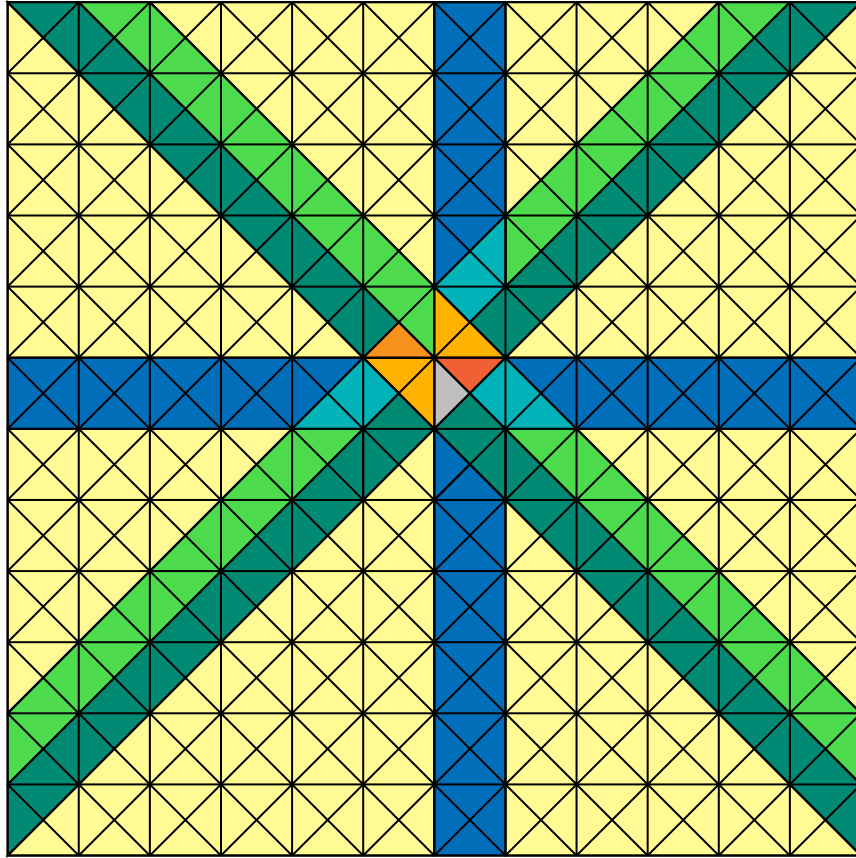
$(r_1, r_2) \in B_1 \cap A_4$
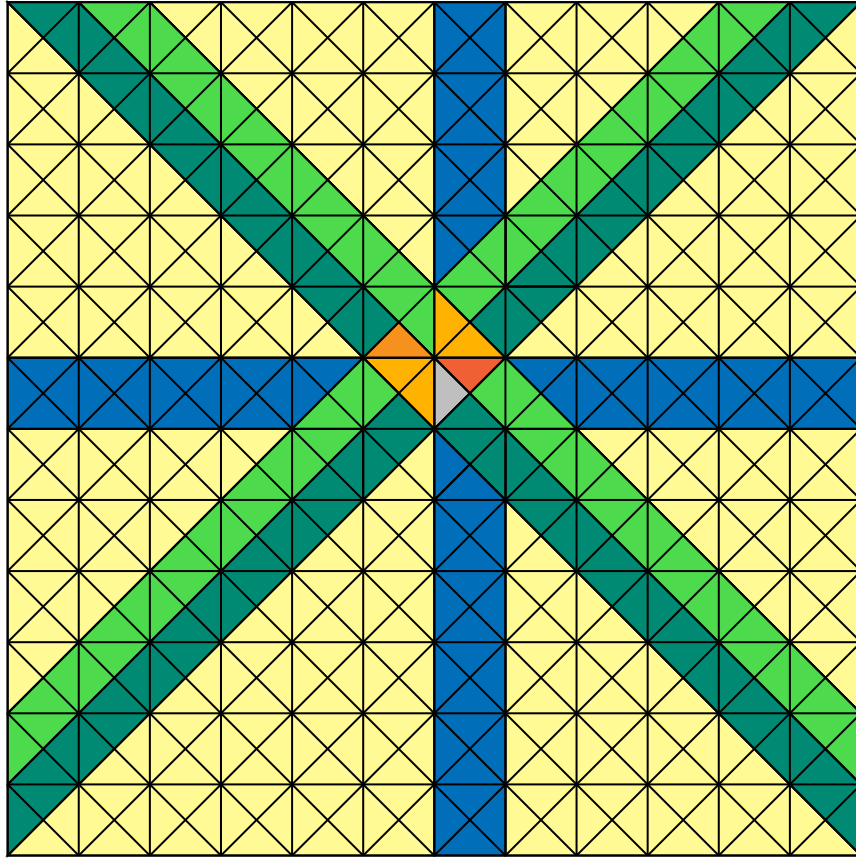
$(r_1, r_2) \in A_4$
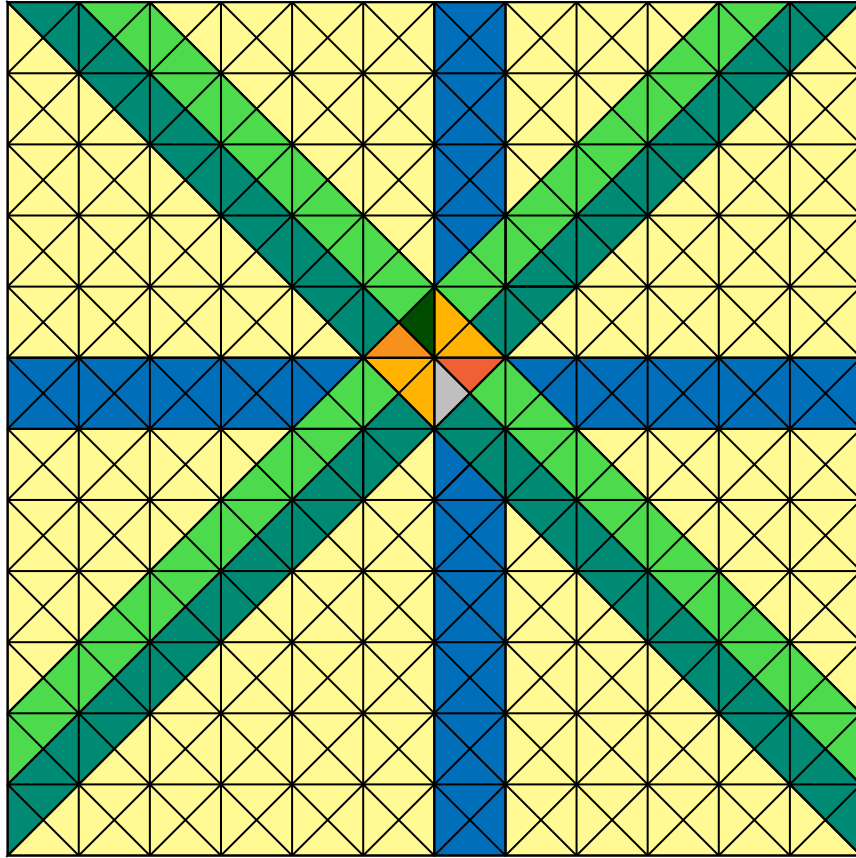
$(r_1, r_2) \in A_3 \cap A_4$
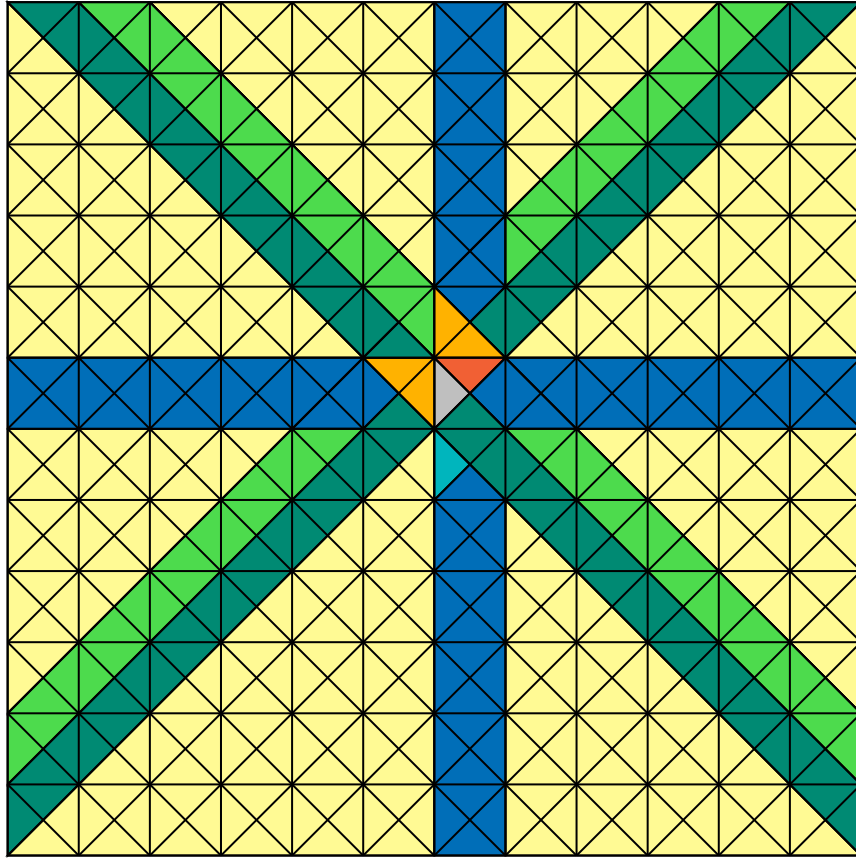
1

$(r_1, r_2) \in A_3$
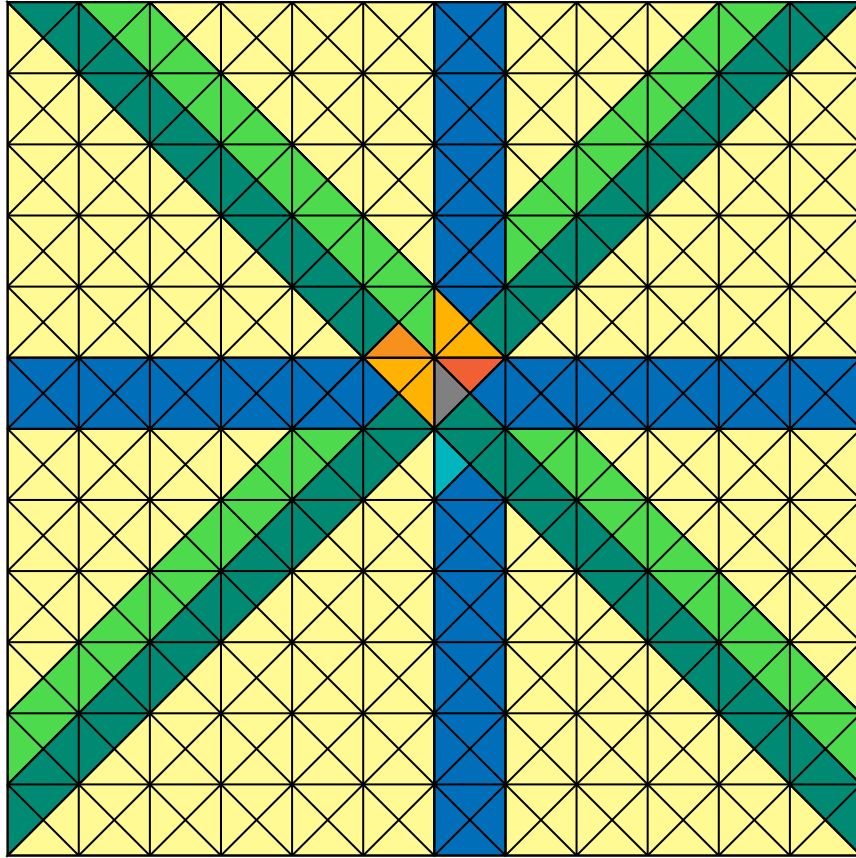
$(r_1, r_2) \in A_2 \cap A_3$
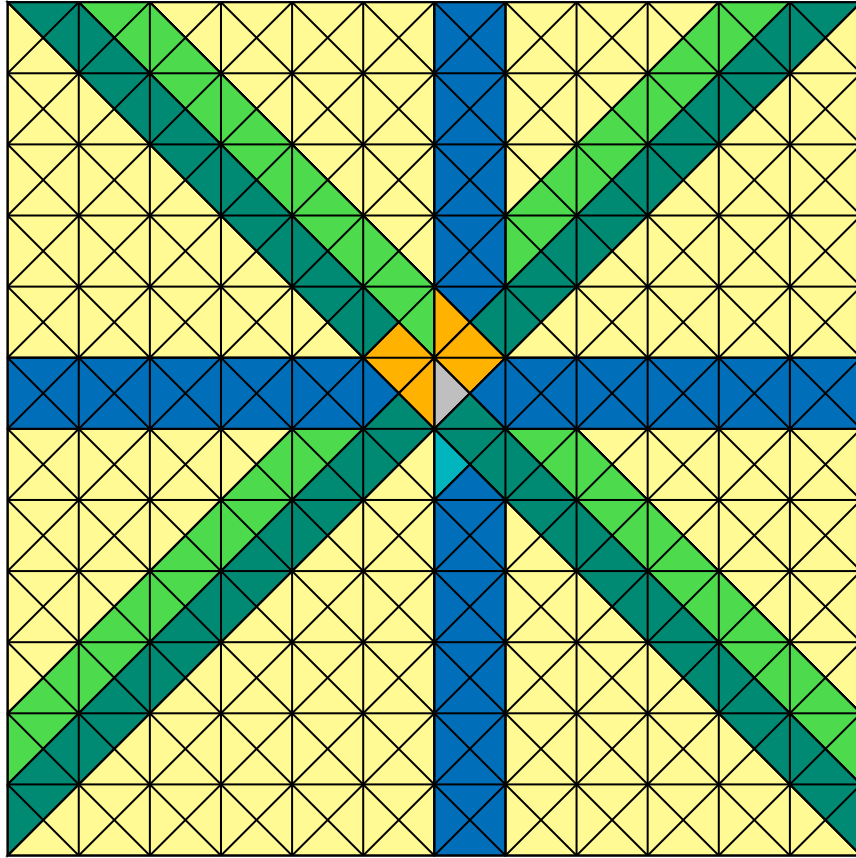
$(r_1, r_2) \in A_2$
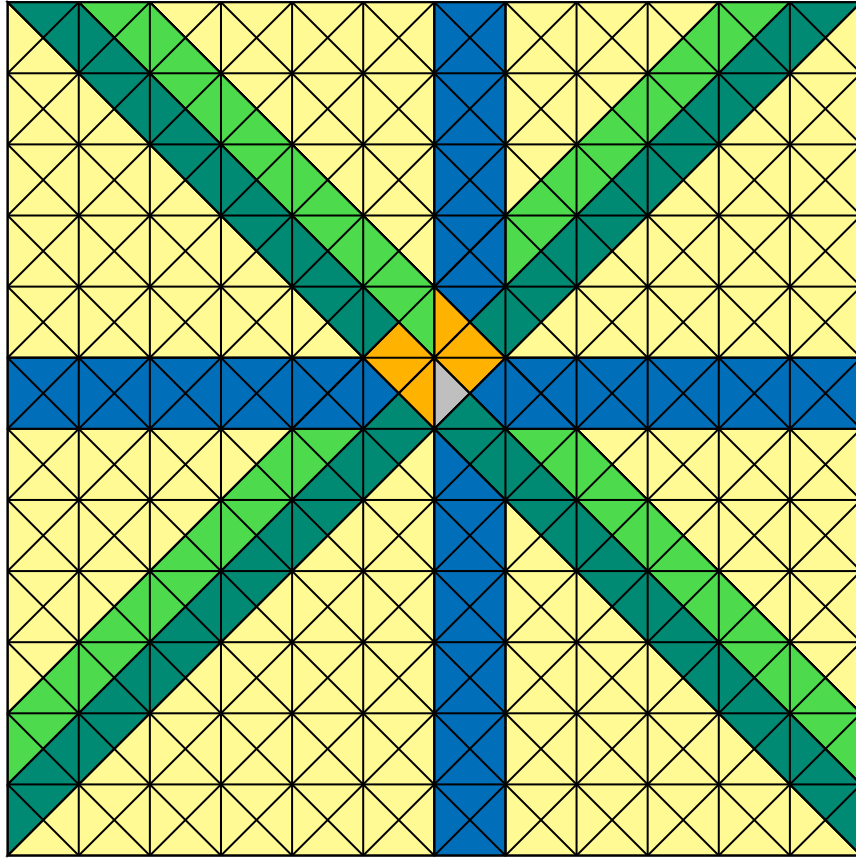
$$(r_1, r_2) \in A_1 \cap A_2$$
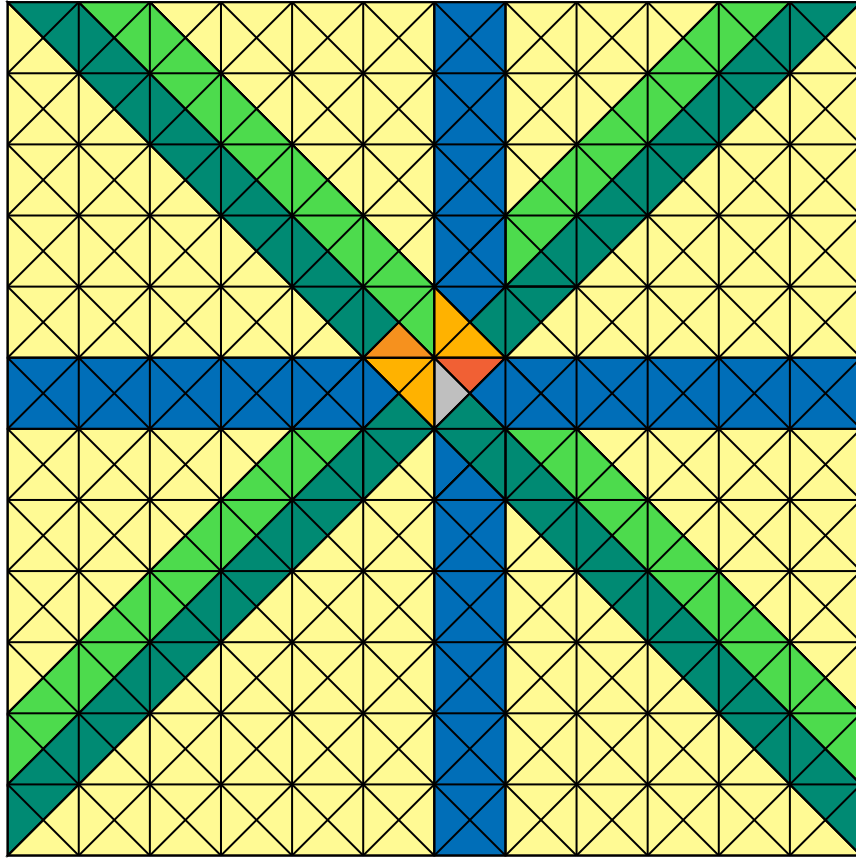
$(r_1, r_2) \in A_1$
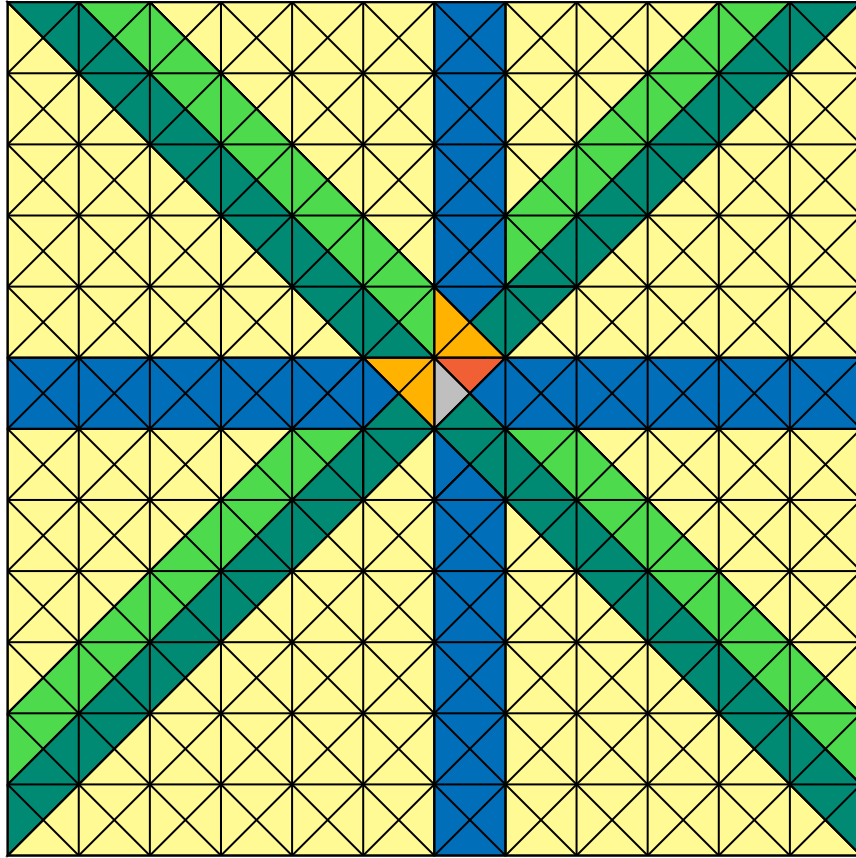
$(r_1, r_2) \in A_4 \cap A_5$

$(r_1, r_2) \in A_5$
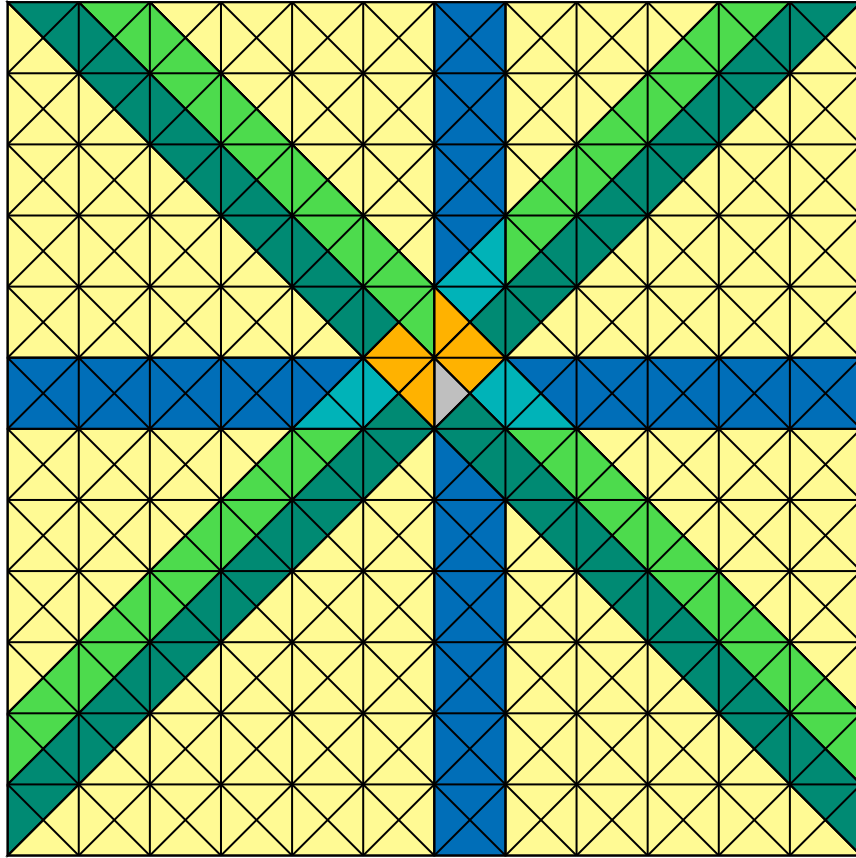
$$(r_1, r_2) \in C_1 \cap A_5$$

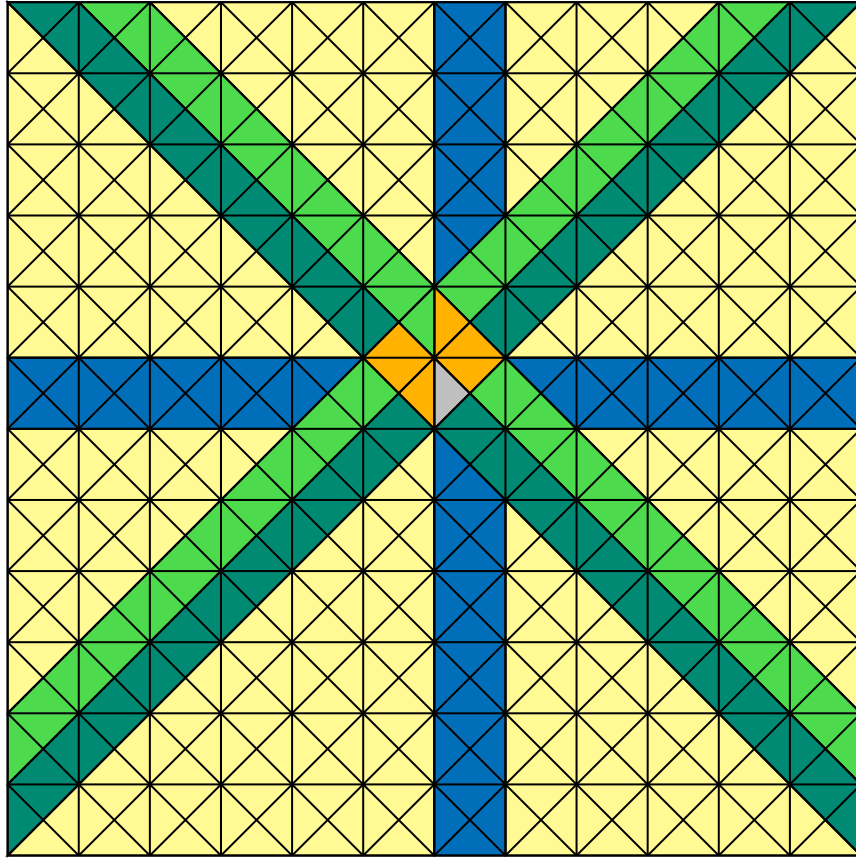$(r_1, r_2) \in C_1 \cap C_2 \cap A_2 \cap A_5$
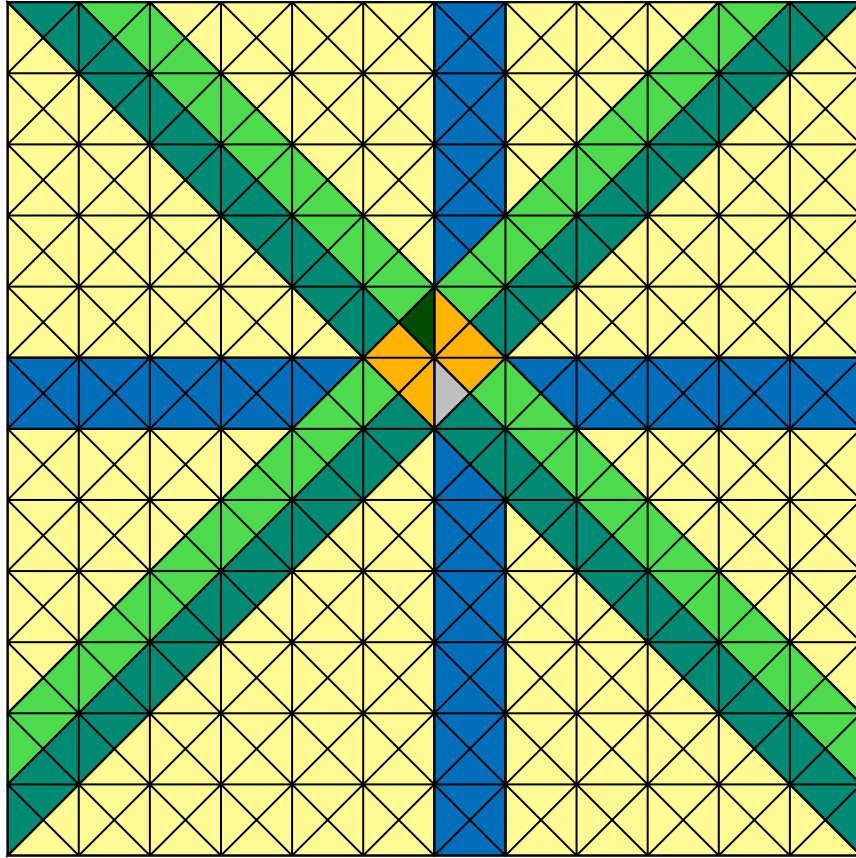
1

$$(r_1, r_2) \in A_2 \cap A_5$$
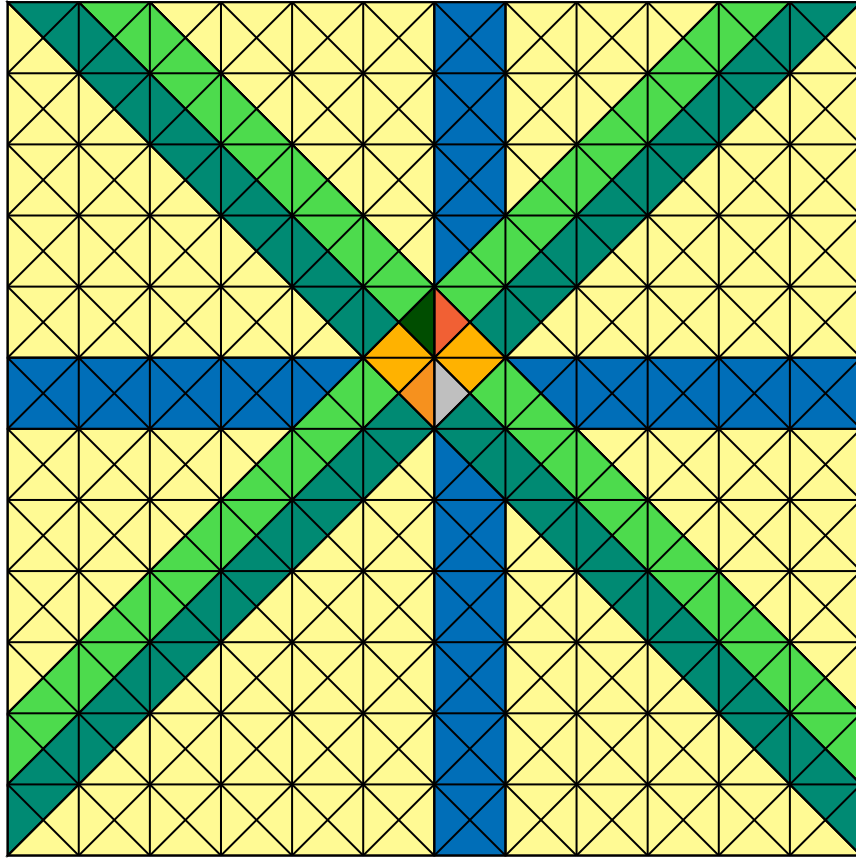
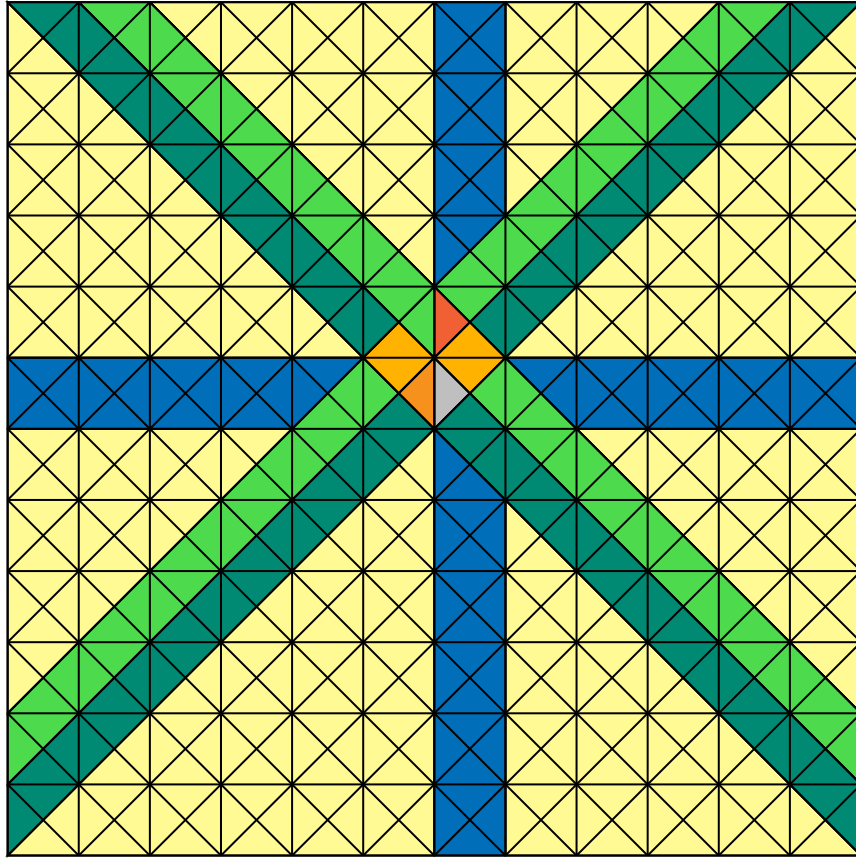$$(r_1, r_2) \in A_2 \cap A_3 \cap A_4 \cap A_5$$

1

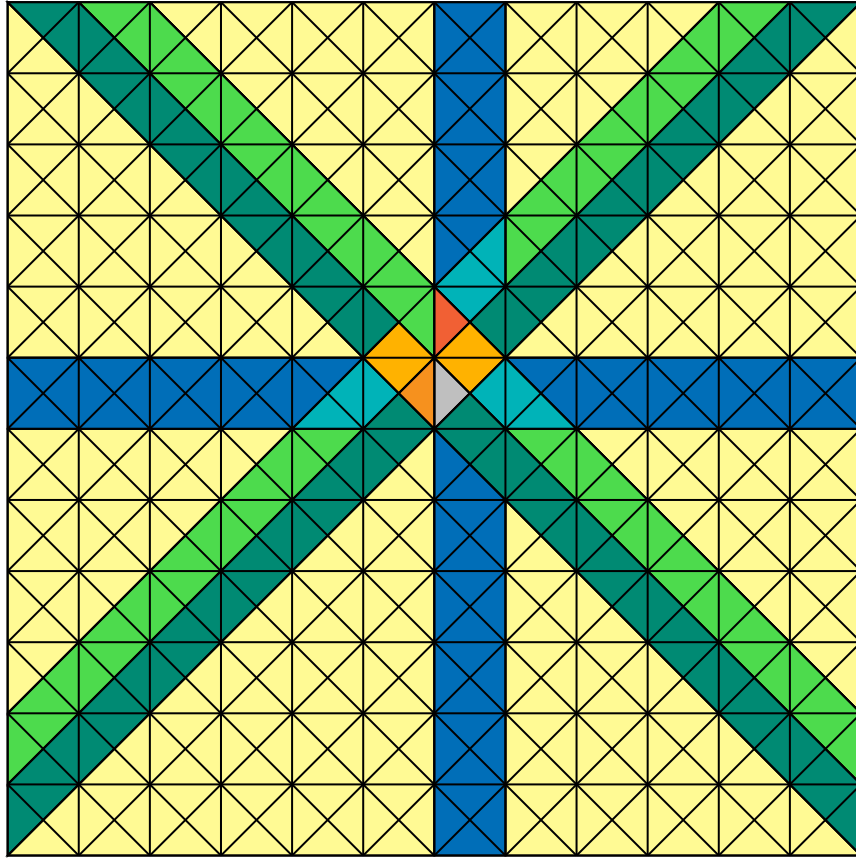$(r_1, r_2) \in C_2 \cap A_2$

$(r_1, r_2) \in C_2 \cap C_3 \cap A_1 \cap A_2$
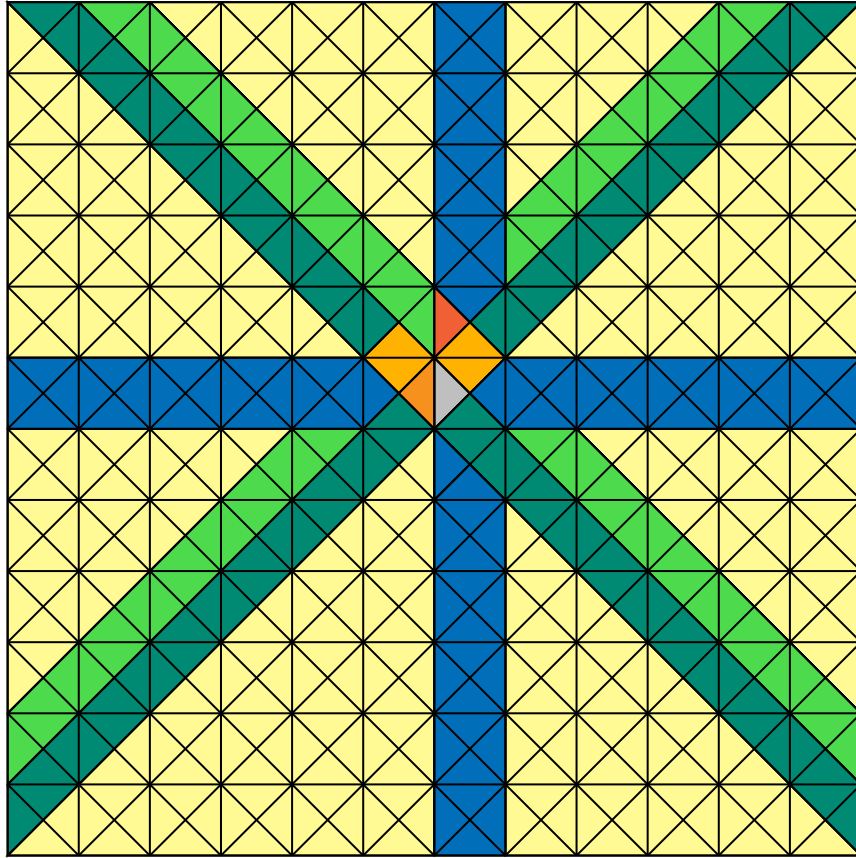
$(r_1, r_2) \in A_1 \cap C_3$
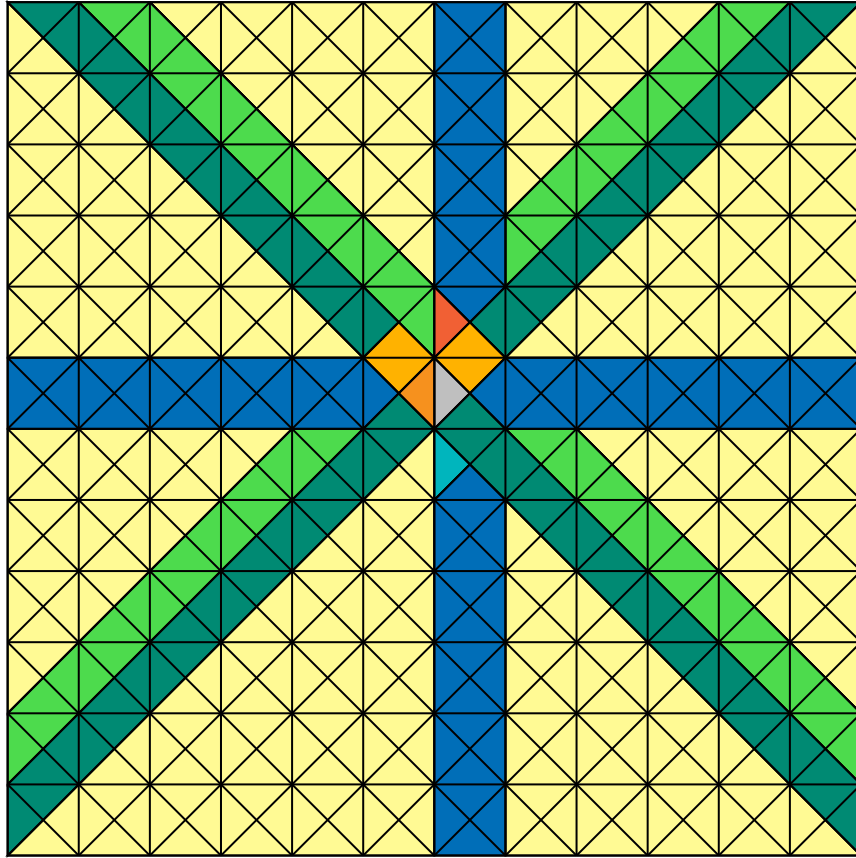
$(r_1, r_2) \in C_3$
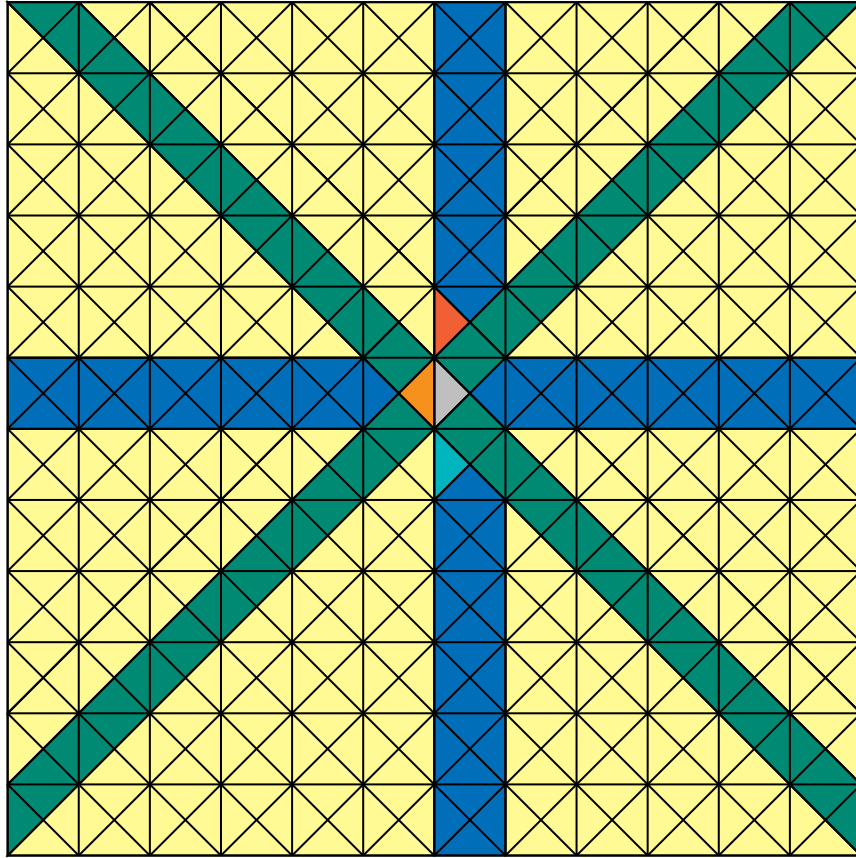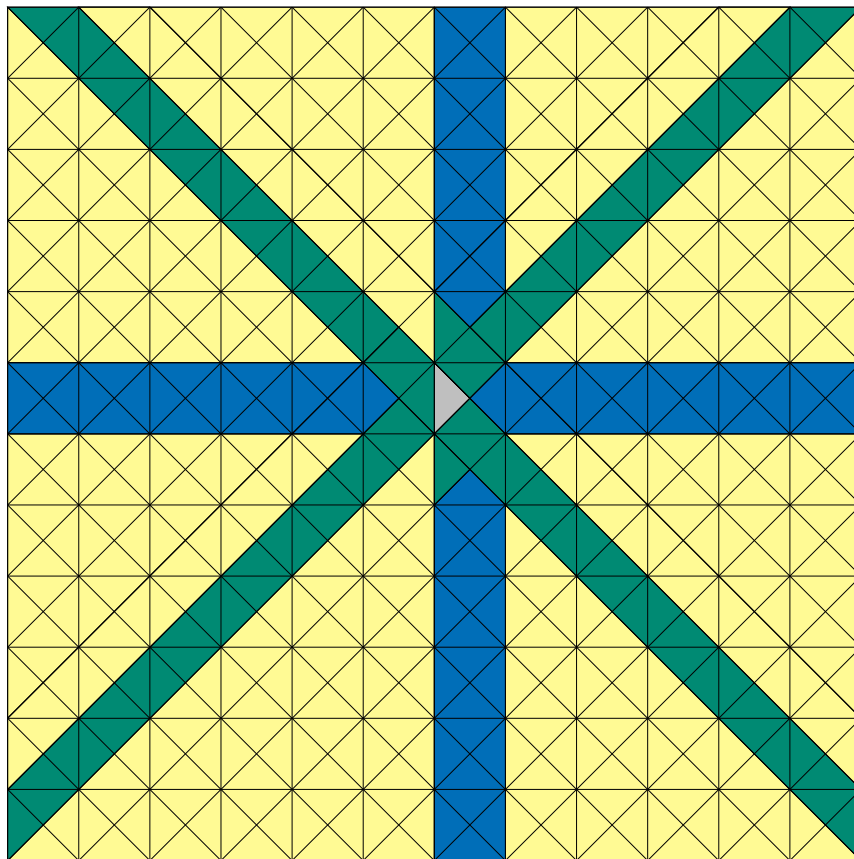
$$(r_1, r_2) \in C_2 \cap C_3$$

$(r_1, r_2) \in C_2$

1

$(r_1, r_2) \in C_1 \cap C_2$

1

$$(r_1, r_2) \in C_1$$

$(r_1, r_2) \in C_1$ and $r_1 = 1$

$r_1 = 1$ and $r_2 = 1$