

$$\mathcal{E}_{ijk} = \mathcal{H}_{em} + \mu_k = (\mathcal{H}) \cup (\mathcal{H})_{ij} \cup (\mathcal{H})_{ik} \cup (\mathcal{H})_{jk} \quad (1 \leq i < j < k \leq 5).$$

$$\begin{aligned} \Gamma \quad \# \alpha_{ij} &= 5C_2 = 10 & \# \beta_{ijk} &= 5C_2 \times \# \{ \bar{i} - \# \{j, k\} \} = 30 \\ \text{Since } j, k &\neq \bar{i}, & \# \gamma_{ij} &= 5C_2 = 10 & \# \delta_{ij} &= 5 \times 4 = 20 \\ \text{Since } i &\neq j, & \# \mathcal{E}_{ijk} &= 5C_3 = 10 \Rightarrow 10 + 30 + 10 + 20 \\ &+ 10 = 80. & & & & \end{aligned}$$

Each of these divisors contains all 16 half-lattice points, and each contains exactly four of them with multiplicity 3: three of the four components of α_{ij} , for example, pass through each of μ_0, μ_i, μ_j , and μ_{ij} , while three components of γ_{ij} pass through each of $\mu_{ke}, \mu_{em}, \mu_{km}$, and μ_0 ; the remaining divisors β_{ijk} , δ_{ij} , and \mathcal{E}_{ijk} are all translates of these two types.

$$\begin{array}{lcl} \Gamma \quad \alpha_{12} = (\mathcal{H}) \cup (\mathcal{H})_1 \cup (\mathcal{H})_2 \cup (\mathcal{H})_{12} & & \\ (\mathcal{H}) & \text{contains } \mu_0, \mu_1, \dots, \mu_5 & 6 \\ (\mathcal{H})_1 & " & \mu_{12}, \mu_{13}, \mu_{14}, \mu_{15} & 4 \\ (\mathcal{H})_2 & " & \mu_{21}, \mu_{23}, \mu_{24}, \mu_{25} & 3 \\ (\mathcal{H})_{12} & " & \mu_{34}, \mu_{35}, \mu_{45} & + 3 \\ \hline & & & 16 \end{array}$$

$\Rightarrow \alpha_{ij}$ contains all 16 half-lattice points.

Since $K + \mu_i = K$ & $K =$ the group of 16 half-lattice points), $\alpha_{ij} + \mu_e \supset K$.

Similarly, δ_{ij} & \mathcal{E}_{ijk} contain K , too.