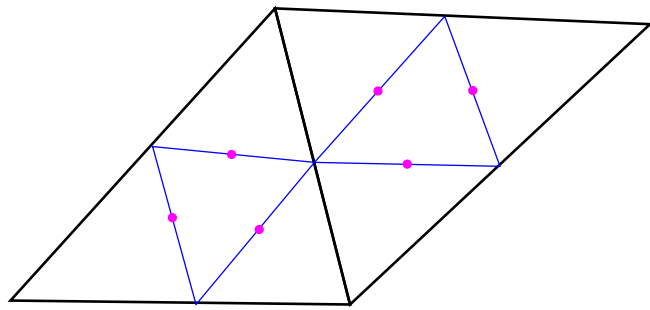


SOLUTION of (2-14.d):



Functions in  $\mathcal{CR}(\mathcal{M}')$  must be continuous in the midpoints of the edges of  $\mathcal{M}'$ . However, functions in  $\mathcal{CR}(\mathcal{M})$  need not be continuous there, because the midpoints of edges of  $\mathcal{M}'$  will not be midpoints of edges of  $\mathcal{M}$ .

◁ black lines  $\hat{=}$   $\mathcal{M}$ ,

black + blue lines  $\hat{=}$   $\mathcal{M}'$

Functions  $\in \mathcal{CR}(\mathcal{M}')$  are continuous at the edge midpoints  $\bullet$ , but not those in  $\mathcal{CR}(\mathcal{M})$ .