111.	Let $\mathcal{B}_1$ and $\mathcal{B}_2$ properties of a	be Borel fields. a Borel field).	Prove $\mathcal{B} =$	$\mathcal{B}_1 \cap \mathcal{B}_2$ is a	Borel field.	(You must	prove that	$\mathcal B$ satisfies th	ne three