Sampling in Geometric Set Systems

Homework 1

Prove that, there is a C such that given any set $\mathcal{S}$ of $C\frac{d}{\varepsilon}\log\frac{1}{\varepsilon}$ strips of width ε in $\mathbb{R}^d$, one can translate each strip of $\mathcal{S}$ such that their union covers a unit ball. (A strip is the part between two parallel hyperplanes.)

http://web.cs.elte.hu/coge/samplingminicourse19.html