Randomly select a sequence of independent vectors $\underline{v}_{1}, \underline{v}_{2}, \ldots, \underline{v}_{l}$ in $\mathbb{F}_{2}^{k}$ such that the components of each vector $\underline{v}$ are independent and $\operatorname{Pr}(\underline{v}[j]=1)=\alpha_{j}$. We discuss upper and lower bounds for $l$ which ensure that with high probability the vectors are linearly dependent. (Received September 26, 2006)

