**EX.4.1.4, Sauer3**

Let $m \geq n$, let $A$ be the $m$-by-$n$ identity matrix (i.e., the $n$ first columns of the $m$-by-$m$ identity matrix), and let $b$ be a vector of length $m$. Find the least squares solution of $Ax = b$ and the 2-norm error.