Before ei = yi = Elyi) = yi - bo -by xii -bz xzi - New vector e = y - X.b from y = X.b + e

subtract Xb . SSQR - Z ei = e1 + e2 + .. +en New SSQR = E.C For a colum vector $e = \begin{bmatrix} e_1 \\ e_2 \end{bmatrix}$ its transpose e^T is defined as the row vector $e = [e_1 e_2 e_3 - e_N]$ By definition of old-product: | e'e = [e1 ce--en]. [e1] = e1 + e2+ -+ en eros product of e, in R: crossprool()