$$\begin{array}{c|c}
\rho & \mathbf{y} \\
 & T(\rho) \\
 & C[\rho]_B = \rho \\
 & [\rho]_B = C^{-1}\rho \\
 & D = C^{-1}\mathbf{y}C
\end{array}$$

 $\mathbf{y} = CDC^{-1}$