Suppose that $\xi_1, \xi_2, \xi_3$ are hybrid variables defined as

$$
\begin{align*}
\xi_1 &\sim U(\rho_1, \rho_1 + 1), \text{ with } \rho_1 = (1, 2, 3), \\ 
\xi_2 &\sim U(\rho_2, \rho_2 + 1), \text{ with } \rho_2 = (2, 3, 4), \\ 
\xi_3 &\sim U(\rho_3, \rho_3 + 1), \text{ with } \rho_3 = (3, 4, 5).
\end{align*}
$$

A run of the hybrid simulation with 5000 cycles shows that $E[\xi_1 \xi_2 \xi_3] = 69.2$. 