$$p(A, B, C, X, Y, Z) = \frac{1}{Z} \times$$

$$\Psi_1(A, B) \times \Psi_2(B, C) \times \Psi_3(C, D) \times$$

$$\Psi_4(X) \times \Psi_5(Y) \times \Psi_6(Z)$$