

Figure 1 shows a sequence of 24 Karnaugh maps illustrating the step-by-step construction of a 5-variable logic function. The maps are arranged in a grid, showing the addition of terms and the simplification of the function. The variables are X_1, X_2, X_3, X_4, X_5 . The maps are labeled with the function being simplified, the current state of the function, and the next step in the construction. The sequence starts with a single term and ends with the final simplified function.