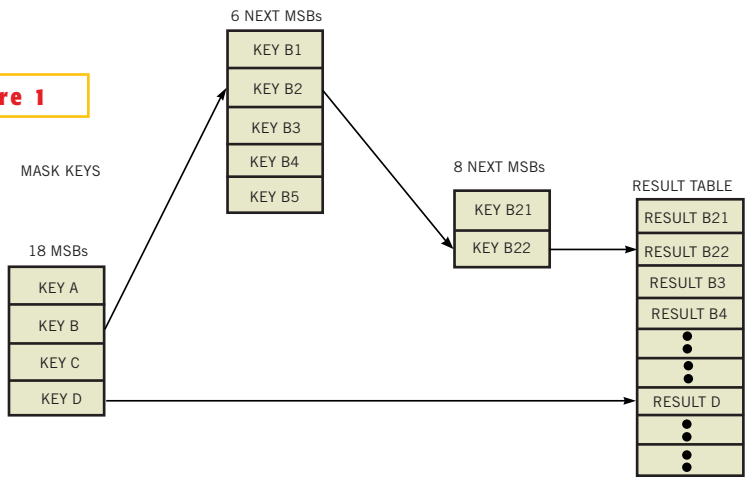


**Figure 1**



**Indexed look-ups separate entries into layered tables based on most significant bits. In this example, several keys share the first 18 bits of Hash Key B, so the next 6 bits resolve the duplication. Several keys share the bits of Hash Key B2, so the next 8 bits resolve the key to locate associated data B22. If the first 18 MSB bits match a unique entry (Key D), the result is the associated data (Result D) without additional look-ups.**