Implementation of DBMS
Exercise Sheet 10
Klingemann, WS 2022 / 2023

1) Suppose that keys are hashed to four-bit sequences and that blocks can hold three records. If we start with a hash table with two empty blocks (corresponding to 0 and 1), show how the hash table evolves if we insert records with the following hash values:

a) 0000, 0001, ..., 1111, and the method of hashing is extensible hashing.

b) 0000, 0001, ..., 1111, and the method of hashing is linear hashing with a capacity threshold of 100%.