Exercise for *Database Systems on Modern CPU Architectures*
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https://db.in.tum.de/teaching/ss19/moderndbs/

Sheet Nr. 04

Exercise 1

Consider a **linear hashtable** with bucket size 1 and chained overflow records. Also assume that each insert triggers a bucket split and linear extension of the table. Use a *split* marker to annotate the current point of linear extension.

As hash function use the identity-function: $h(x) = x$

Insert the following items into the linear hashtable:

Key	Value
10	A
25	B
30	C
18	D
40	E
45	F
15	G