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- Directory avoided in LH by using *temporary* overflow pages, and choosing the bucket to split in a *round-robin* fashion.
- When <u>any</u> bucket overflows split the bucket that is currently pointed to by the "*Next*" pointer and then increment that pointer to the next bucket.















Summary (Contd.)

- Linear Hashing avoids directory by splitting buckets round-robin, and using overflow pages.
 - Overflow pages not likely to be long.
 - Space utilization could be lower than Extendible Hashing, since splits not concentrated on `dense' data areas.
 - Can tune criterion for triggering splits to trade-off slightly longer chains for better space utilization.
- For hash-based indexes, a *skewed* data distribution is one in which the *hash values* of data entries are not uniformly distributed!