B$^+$-Tree: The ShowDates Relation

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The number of nodes and keys depends on the block and component size. In PSQL, the block size is 8192 (2^{13}) bytes. Each of *n* pointers is 8 bytes (the size of a long) and each of *n-1* keys (*k*) is 4 bytes (the size of a date in PSQL). Solving *8n + 4(n-1) = 8192* gives us *n = 683* and *k = 682*. For our 18-row table, that would be a pretty boring B$^+$-tree, so for this example of our understanding, we will instead use *n = 5* and *k = 4*. The table reflects insertion order. Zoom on in!