

Q1: B+ Tree Operations

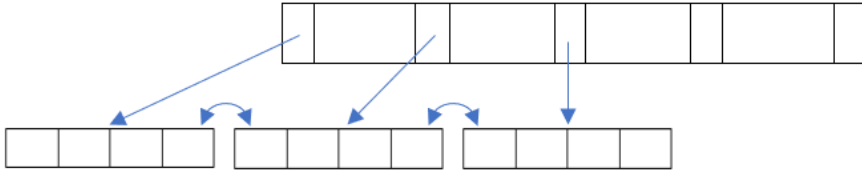
You may use the following B+ structures to help complete your diagram.

Notice the first structure has two Text Boxes with preset values (use indentation and blanks to easily fill-in) Feel free to change the content, or remove Textbox if you decide to print & fill.

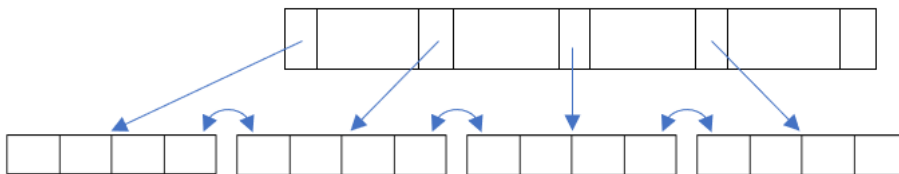
Some of the diagrams may not be used, and some may be used more than once.

You can draw your trees from scratch. (Meaning you don't have to use any templates)

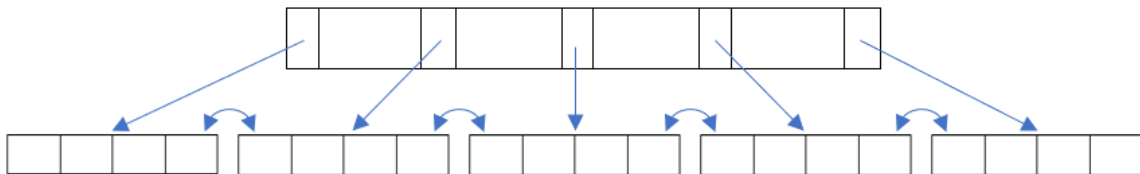
Template1



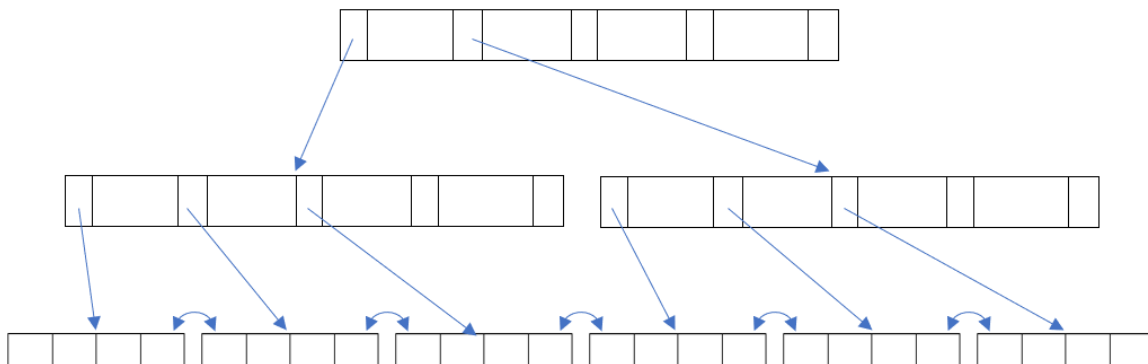
Template2



Template3



Template4



Q3. Linear Hashing

You may use the following hashing buckets to help complete your diagram.

"Level ?, N=?" is editable.

Again, you can draw your diagram from scratch.

H0	Level ?, N=?
0	<div></div>
1	<div></div>

H1	H0	Level ?, N=?
00	0	<div></div>
01	1	<div></div>
10		<div></div>

H1	H0	Level ?, N=?
00	0	<div></div>
01	1	<div></div>
10		<div></div>
11		<div></div>

Components may be used:

Pending bucket (can overlap templates above)



Edit Next value and overlap templates at proper location.

Next = ?



Q4. Extendible Hashing

You may use the following directory and data pages to help complete your diagram.

Usage: Data Page are editable tables. Edit bucket content on each update and screenshot proper number of Data Pages. Remember to connect Directory to Data page using arrows.

Again, you can draw your diagram from scratch.

