Implicit List: Finding a Free Block

■ First fit:

Search list from beginning, choose first free block that fits:

- Can take linear tim https://eduassistpro.github.io/ted and free)
- In practice it can cause (splitters that edu_assist_pro

■ Next fit:

- Like first fit, but search list starting where previous search finished
- Should often be faster than first fit: avoids re-scanning unhelpful blocks
- Some research suggests that fragmentation is worse

Best fit:

- Search the list, choose the best free block: fits, with fewest bytes left over
- Keeps fragments small—usually helps fragmentation
- Will typically run slower than first fit

Implicit List: Allocating in Free Block

- Allocating in a free block: splitting
 - Since allocated space might be smaller than free space, we might want to split the block



