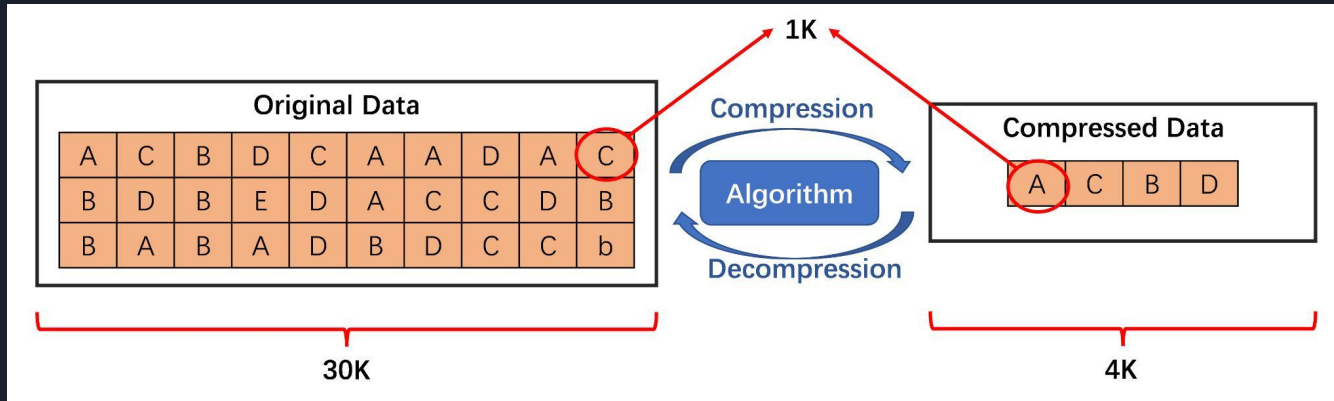# Dropbox-like Storage

Zhiyuan Liu

Jiawei Zhao

Project Proposal

Create a dropbox-like data storage system, which could:

a.   Loading text files;

b.   Listing of loaded files;

c.   Retrieving back of files;

d.   Deleting

Application (VFS with Data-Compression & UI)

1. Meta Data
   a. Use a bitmap to manage all 1-Kb chunks
   b. Store the files' directories (file name, chunk usage, time-log) and inodes in separate chunk

2. Data Compression
   a. Huffman Coding
   b. Compare and reuse chunks for similar files