Lecture 5.2

The I/O-model concerns itself with data transfer between external memory (i.e. disk) and internal memory (i.e. RAM). Data is transferred between the external and internal memory in blocks. The parameters of the I/O model are as follows:
- M is the size of the internal memory
- B is the size of one block
- Size is defined in terms of a number of elements (e.g. numbers or pointers), and is typically 512 or more.

The tall-cache assumption states that $M \geq B^2$.