(a) Single cache

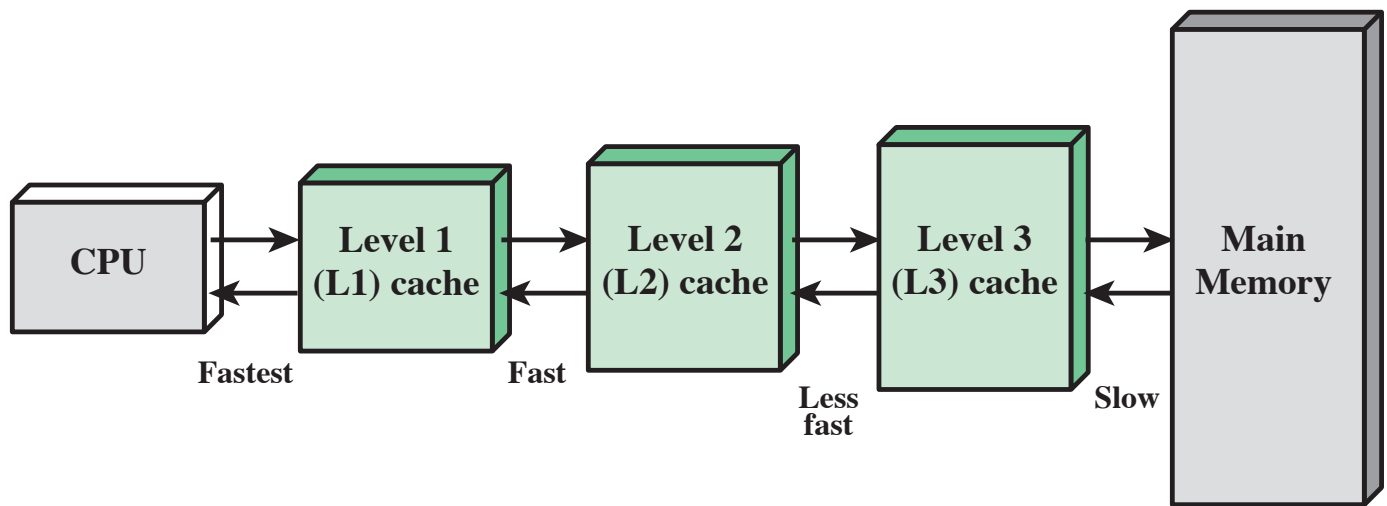**(b) Three-level cache organization**

Figure 4.3 Cache and Main Memory