

- **Strategy 1** : General **students** of the container (**vector**, **list** and **deque** types) separation (sorting) **to two new containers of the same type** , "**vargšiukų** and **kieliakų** . In this way, the same student is in two containers: a common **student** and one of the broken ones (**poor** or **hard**).). It's easy to see that such a strategy is inefficient in terms of memory usage (make sure!), But the key in this step is to explore how the speed of a program depends on the type of container? Synchronize the result with the GitHub subrepository v1.0.
- **Strategy 2** : **Separate** (sort) acommon student container (**vector**, **list** and **deque**) **using only one new container** : the "**poor** ." That way, if a student is poor, we have to load it into the new "**poor** " container and delete it from the shared **students** container. After this step , **students** container will only **kieliakai** . In the case of memory, this is more efficient, but frequent erasures can be "*painful*, " especially for certain types of containers. Synchronize the result with the GitHub subrepository v1.0.

Ps If your current strategy does not match either of the two strategies described above, you will need to compare three strategies: You and the two strategies described above.

- The effectiveness of the program can strongly depend not only on the type of container used, but also on the algorithms used. Familiarize yourself with the following algorithms:

- **std::find**
- **std::find_if**
- **std::search**
- **std::copy**
- **std::remove**
- **std::remove_if**
- **std::remove_copy**
- **std::remove_copy_if**
- **std::transform**
- **std::partition**
- **std::stable_partition**

and try to select and apply appropriate algorithms from them to speed up (optimize) the student division procedure on one fixed container - **vector** . Compare the speed of the program after these changes.

- Synchronize the result with GitHub subrepository **v1.0** and **master** , release the final version.

- The final version v0.1 must include:

- A **neat github** repository with only your source files, ie no "junk" of the IDE you are using.
- **README.md** the file describes all the relays and comments on the results.
- Instructions for use have been prepared, ie the basic steps are described in the same **README.md** file.
- Prepared installation instructions, ie ready to **make Makefile** (UNIX) or **cmake CMakeLists.txt** (any OS only).

