**ЛАБОРАТОРНАЯ РАБОТА №5.2**

***Цель*:** научиться реализовывать хеш-таблицу с открытой адресацией

**Отчет по работе** должен содержать **2 файла: 1) код** программы**; 2)** файл в формате **.pdf** со скринами результатов работы (входные данные и полученный результат).

**Задание 1.**

Реализуйте хеш-таблицу с открытой адресацией (метод разрешения коллизий – двойное хеширование).

**Формат ввода**

В первой строке вводится число N – количество запросов

Далее следует N одного из видов:  
push<строка>

pop<строка>

search<строка>

**Формат вывода**

После ввода команды search необходимо вывести TRUE, если искомый элемент присутствует и FALSE иначе.

**Примечание**

Для реализации хеш-функции используйте схему Горнера

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| **Пример**   |  |  |  |  |  | | --- | --- | --- | --- | --- | | Ввод | | Вывод | | | | 10 | | | TRUE | | | | push aiv | | | FALSE | | | | push yvbem | | | FALSE | | | | search aiv | | | FALSE | | | | search woxfyobo | | | TRUE | | | | pop guq | | | FALSE | | | | pop prhw | | |  | | | | pop aiv | | |  | | | | push jv | | |  | | | | pop avi | | |  | | | | push ubcf | | |  | | | |  | | |  | | | |  | | |  | | | |  | | |  | | | |  |  | | | |  |  | | | |  |  | | | |  |  | | | |  |

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