Johnny – Vector Program 3 Wiktor Zmiendak

1. Task:

Create a program in Johnny to handle vectors. It will be sorting values in vector.

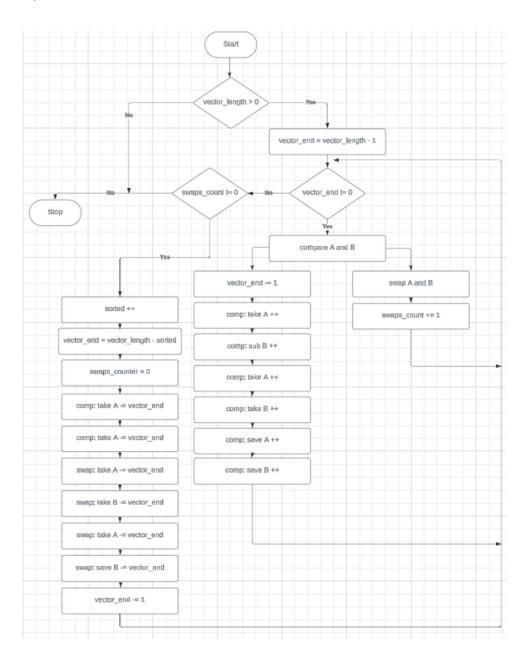
2. Flowchart:

A – first swapping element

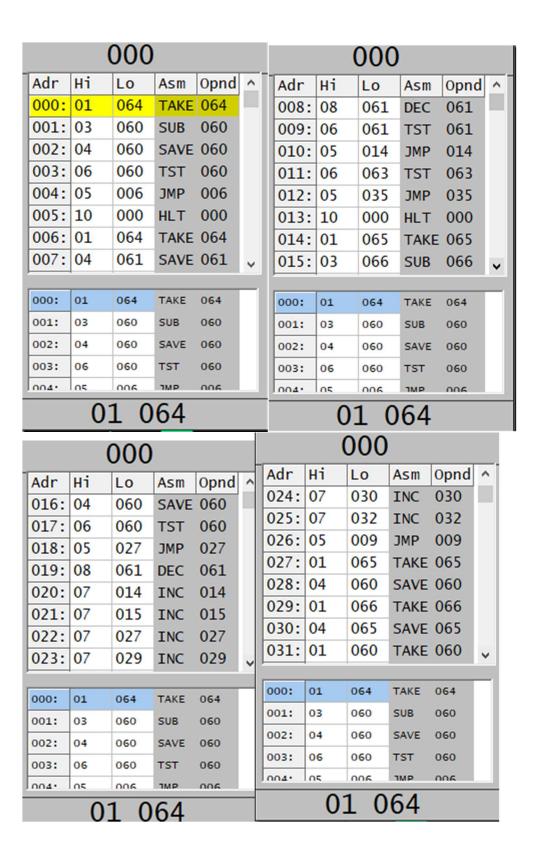
B – second swapping element

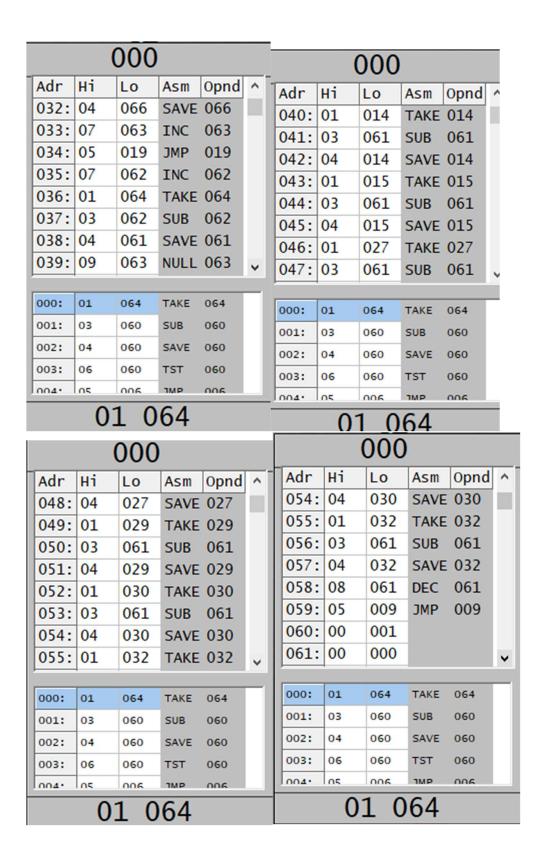
Vector_end – ducplicated vector length

Vector_length – number of elements in vector



3. Solution:





The sorting works by continuously iterating through the vector and comparing each pair of adjacent elements A and B. When the algorithm encounters a situation where the first element is greater than the second it swaps their positions using a temporary variable. This cycle of comparisons and swaps is repeated until the entire vector is ordered correctly and no further swaps are required indicating that the vector is sorted.