Laboratory practice No. 3: Linked List and Dynamic Array

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1) Practice for final project defense presentation

For this point we created two Python classes, the first one was to create the vertices or points where the places were located, and the other one was to handle the "streets" or the lines which connected those vertices.
We decided to store the vertices in a dynamic vector, in which we compared the ID of the vectors with the IDs of the lines we needed to plot in order to identify which points conformed them.

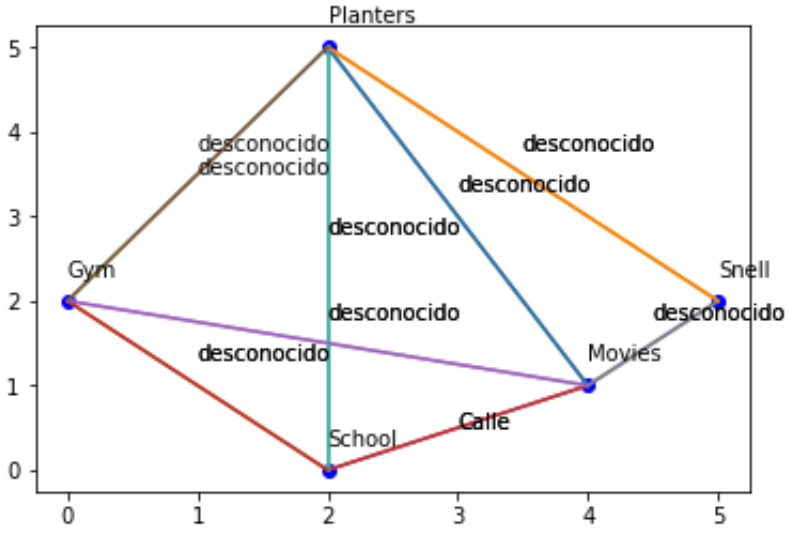

Figure 1: Example data map

3) Data Structure for maps

3.1. Complexity Point 1: $O(n^2)$

3.3. Calculate complexity: $O(n)$

3.4. n is the size of the string in the worst case

4) Practice for midterms

4.1. Binario

4.1.1 Para Python: res = res + vector[len(vector)-i-1]*(2**i)

4.1.2 O(n)

4.2. c

4.3. Método push(), pop()

4.3.1 iv

4.3.2 i

4.4. Postfix

4.4.1 token

4.4.2 c

4.5. a

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