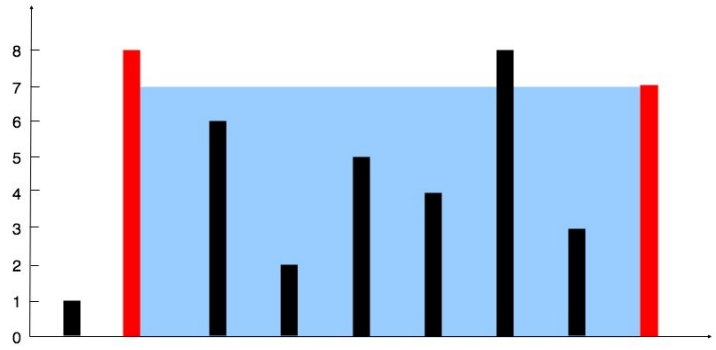
Thema der Aufgabe:

Container with most Water

Aufgabenbeschreibung:

Using the C++ language, have the function maxWater (vector) take the vector parameter being passed and return the maximum area.

Given n non-negative integers a1, a2, ..., an , where each represents a point at coordinate (i, ai). n vertical lines are drawn such that the two endpoints of line i is at (i, ai) and (i, 0). Find two lines, which together with x-axis forms a container, such that the container contains the most water.



The above vertical lines are represented by array [1,8,6,2,5,4,8,3,7]. In this case, the max area of water (blue section) the container can contain is 49.

Eingabe:

- `[1,8,6,2,5,4,8,3,7]`

Ausgabe:

- `49`

Beispiel:

- Siehe Eingabe/Ausgabe!