```
Input: function f(x), float x_0, float delta, int iterations
Output: solution vector results

begin incrementalSearch

        if (delta or iterations or x_0 is not a valid numbers) then
                break;
        array results
        float previous_x <- x_0
        float current_x <- previous_x + delta
        float previous_f <- function(previous_x)
        float current_f <- function(current_x)
        int count <- 0
        while (count < iterations) do
                if (current_f * previous_f < 0) then
                        array iteration <- [previous_x,current_x]
                        results[count] <- iteration
                previous_x <- current_x
                current_x <- current_x + delta
                previous_f <- current_f
                current_f <- function(current_x)
                count <- count + 1
        end while
        return results

end incrementalSearch
```