**Gebze Technical University**

**Computer Engineering**

**CSE 222 - 2018 Spring**

**HOMEWORK 3 REPORT**

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# INTRODUCTION

## Problem Definition

Part1)

There is a matrix inculude 1 and 0 s.1 s are white areas .we try to calculate how many different white areast in this picture.

A white component is a set of white matrix locations, such that, between any two of them, there is a path of white matrix locations, where every consecutive pair are adjacent

System Requirements

I use intelij ide to develop this program.I use java SE 7 .my program need some memory that can change abouth size of input.my program need JVM

# METHOD

## Class Diagrams

Your software’s class diagrams with properly chosen arrows.

## Use Case Diagrams

We have one coment line argumant that is path of the file contains one ands zeros.

User have to enter a file path.And program will exacute and write anservs to the monitor.

## Problem Solution Approach

## Part1)

I read the file and store the data two dimentional array.

With one loop if i cacht a one I push t to stack and look its around if I find push it to stack too and change it is value to 0.If there is no more 1 around ,pop it and look around again.if stack will be empty. I increase the counter.

Part2)i

I read file .There is a infix expresion.I convert it to postfix expresion.And avaluate its value by using stack.

# RESULT

## Test Cases

## Running Results

I write some print and keep trackk of exacution

* Main titles -> 16pt , 2 line break
* Subtitles -> 14pt, 1.5 line break
* Paragraph -> 12pt, 1.5 line break