Rollno: PAOG Panel: 1 LAB Assignment 3 SSC - Design Suitable data structure and implement pass of two Pass mauroprocessor Objective Design Suitable data Structure Import Should correct of one macro definition and one mairo (all and few assembly language instructions. Thomas (1) What is macropraessor? -> A macroprocessor is a program that copies a stream of test from obe place to another making a systematic set of suplaams as it does so. They are often embedded in other programes such as assembless and Caupiless. sometimes they one standone program that can be used to process only find of text

Name: Alok Bhawonkur



Code processor code assemble

· object

2) Pata structure needed for 2 pass maus proussor are =

(i) MNT [Macon Name Table]

to store names of defined macro. Grated by Pass I and used by Pass 2.

(ii) MIDT (Macro Defination Table)

1

Mauro Defination Table is used to store body and mauro defination. Created by Pass!

Every line of mauro defination expert mauro is line of mauro defination expert mauro is Stored in MPT as Mauro is not used to expend mauro. MPT has 80 leytes per entry



iii. MPTC (MPT Counks) ;

MDTC (MDT Caunter) is used to indicate next available entry in MDT, this variable stores the last Count from MDT table.

IV. MHTC (MHT Counter)

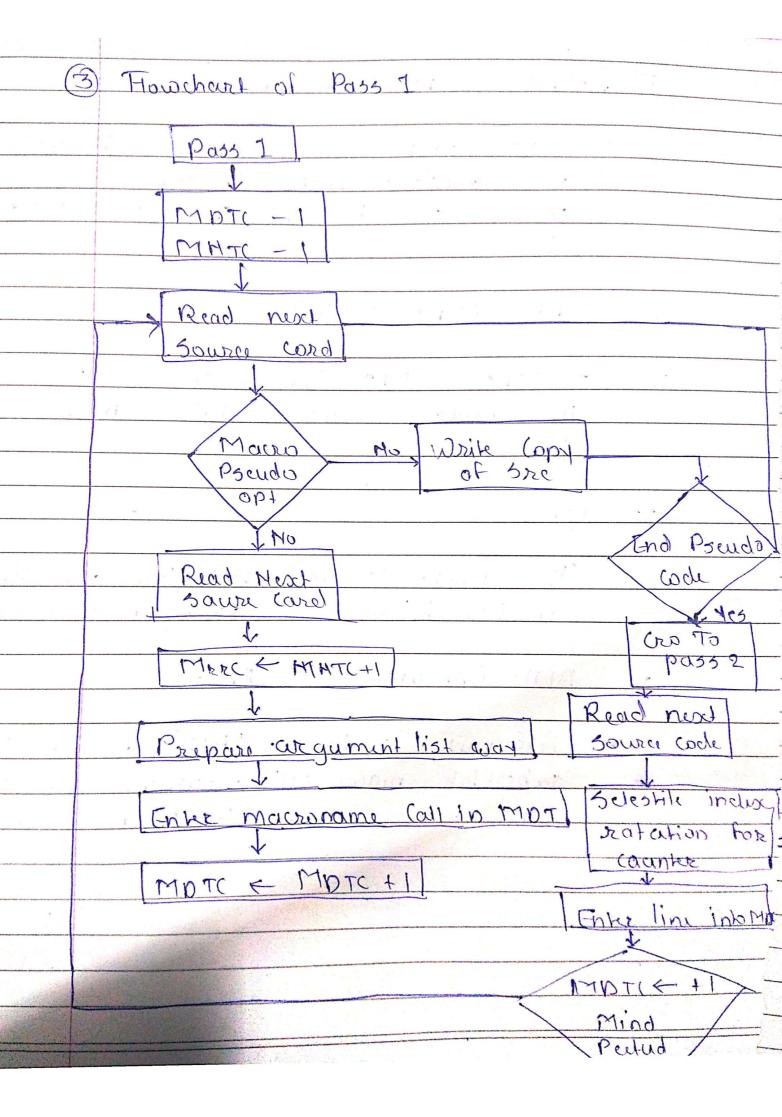
the number of macro defined in the program.

V. MOTP.

This Painter is used to indicate not line of text to be used during morces expansion

vi ALA (Argument list Array)

- Argument list Array (ALA) is used to substitute macro call argument for the induce marks in the stored macro defination





Input

Assembly language Program

Output

- 1 Programs without macro defination (Pass 1)
- (E) MOT
- (3) MAT
- (F) ALA

Platform

Linux (JAVA)

Condusion

Thus studied the function of Pass 1 in Macro
proussor.