**Readme File :**

1. Main.cpp: This file calls all the codes to be RUN
2. Parser.cpp: Parses all the files. I have added all the input files in this code for convenience. Please type 1, 2…12 as needed to check the areas in the file
3. Generate\_seqpair.cpp : Generates p &n sequence pairs
4. Evaluate\_seqpair.cpp : Creates : 1) Vertical Constraint graph

2)Horizontal Constraint graph

3) LCS

5) simulated Annealing : To perform simulated annealing

6) Changed python file as per my input : floorPlanning.py

7) Output file is benchmark\_name.txt

Input files

|  |  |
| --- | --- |
| Hard 10 | Try.txt |
| Hard 30 | hard30.txt |
| Hard 50 | hard50.txt |
| Hard 100 | hard100.txt |
| Soft 10 | soft10.txt |
| Soft 30 | soft30.txt |
| Soft 50 | soft50.txt |
| Soft100 | soft100.txt |
| Hard200 | hard200.txt |
| Soft200 | soft200.txt |
| Soft300 | soft300.txt |
| Hard300 | hard300.txt |

8) Matlab file : check.m to view the floorplan in Matlab