Combinatorial Optimisation & Heuristics/Ganjil/2019-20  
**(IS184944)**

**Computational Experiment Report**

|  |  |
| --- | --- |
| Capstone | |
| **01 : Construction Heuristics** | |
| Experiment Environment | |
| OS: Windows 10 Home  Processor: Intel(R) Core(TM) i5-7200U CPU @ 2.50GHz 2.70 GHz  RAM: 8 GB  Programming Language: Java | |
| Method | |
| Briefly explain the method or algorithm that you used to solve the problem | |
| Results | |
| **Table 1: the initial solution’ objective function/fitness for each data set**   |  |  |  |  |  |  |  |  |  | | --- | --- | --- | --- | --- | --- | --- | --- | --- | | No. | Dataset | fitness | Time (s) |  | No. | Dataset | fitness | Times (s) | | 1 | car-f-92 | 9.83 | 3.36 |  | 7 | pur-s-93 | 16.66 | 39.32 | | 2 | car-s-91 | 12.79 | 5.13 |  | 8 | rye-s-93 | 33.38 | 2.80 | | 3 | ear-f-83 | 66.50 | 0.61 |  | 9 | sta-f-83 | 194.40 | 0.24 | | 4 | hec-s-92 | 31.17 | 0.27 |  | 10 | tre-s-92 | 15.52 | 1.10 | | 5 | kfu-s-93 | 47.06 | 2.35 |  | 11 | uta-s-92 | 7.97 | 4.27 | | 6 | lse-f-91 | 30.59 | 1.75 |  | 12 | ute-s-92 | 58.14 | 0.51 | |  |  |  |  |  | 13 | yor-f-83 | 63.75 | 0.47 | | |
| Discussion |  |
| Briefly discuss the esperimental results here. | |
| Source code | |
| Put your code in github, and share the link here. | |

|  |  |
| --- | --- |
| Declaration | |
| **√** | I hereby certify that this is my original work |
| SID | **05211740000067** |
| Name | **Mursyidatun Nabilah** |
| Submission Date | **25/4/2020** |