|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Entidad/Concepto** | **TAD** | **Estructura de Datos** | **Función** | **Complejidad Temporal/Espacial** |
| Taxi id | Lista | Array | addtaxid(analyzer,taxid) | O(n) |
| Company | Lista | Array | addCompany(analyzer, company\_name,taxiid,trip) | O(n) |
| Company | Lista | Array | mg.mergesort(rankingmmgreater\_company |  |
| Company | Lista | Array | mg.mergesort(rankingn,greater\_company\_taxis |  |

REQUERIMIENTO1

REQUERIMIENTO2

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Entidad/Concepto** | **TAD** | **Estructura de Datos** | **Función** | **Complejidad Temporal/Espacial** |
| Fechas,miles,dinero,servixios | Tree | rbt | requerimientoB(analyzer,FechaI,FechaF,FechaO) | O(N^2) |
| Fechas,miles,dinero,servixios | Tree | Rbt | requerimientoB(analyzer,FechaI,FechaF,FechaO) | O(N) |
|  |  |  |  |  |
|  |  |  |  |  |

REQUERIMIENTO3

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Entidad/Concepto** | **TAD** | **Estructura de Datos** | **Función** | **Complejidad Temporal/Espacial** |
| Hora,community área,trip\_seconds | Graph | Dirigido | * addareas(analyzer,trip,horainicio,horafinal,communityareainicio,communityareafinal) * requerimiento3(analyzer,horainicio,horafinal,communityareainicio,communityareafinal): | O(N^2) |
|  |  |  |  |  |
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