**a) GRASP**

Data Instance 1

| parameter alpha | Iteration 1 | Iteration 2 | Iteration 3 | Average |
|---|---|---|---|---|
| 0 | 0.89769728 | 0.89769728 | 0.89769728 | 0.89769728 |
| 0.1 | 0.86308435 | 0.86482479 | 0.86698481 | 0.86503458 |
| 0.2 | 0.8678784 | 0.8698144 | 0.86610604 | 0.86699222 |
| 0.3 | 0.87570038 | 0.87798065 | 0.88090993 | 0.878305155 |
| 0.4 | 0.89769728 | 0.89316346 | 0.88716351 | 0.892430395 |
| 0.5 | 0.89196302 | 0.89020588 | 0.89603891 | 0.894000965 |
| 0.6 | 0.90094845 | 0.90094845 | 0.90094845 | 0.90094845 |
| 0.7 | 0.89769728 | 0.89769728 | 0.89769728 | 0.89769728 |
| 0.8 | 0.90094845 | 0.90094845 | 0.90094845 | 0.90094845 |
| 0.9 | 0.90094845 | 0.90094845 | 0.90094845 | 0.90094845 |
| 1 | 0.89769728 | 0.89769728 | 0.89769728 | 0.89769728 |
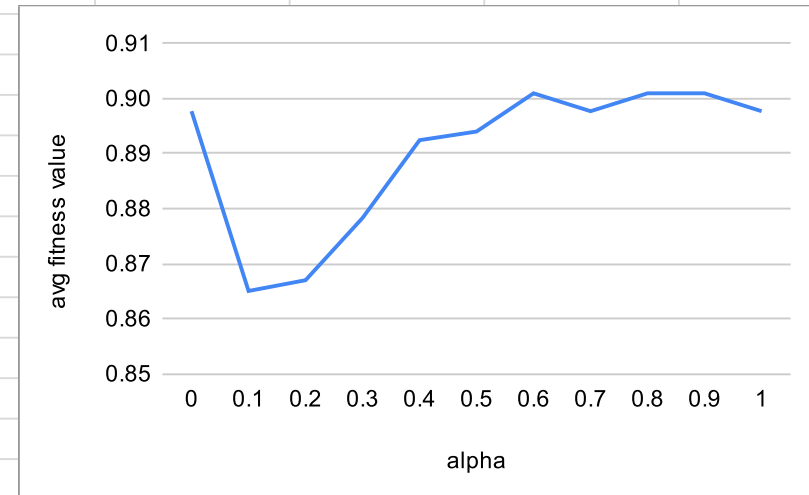


Data Instance 2

| parameter alpha | Iteration 1 | Iteration 2 | Iteration 3 | Average |
|---|---|---|---|---|
| 0 | 0.78897925 | 0.78897925 | 0.78897925 | 0.78897925 |
| 0.1 | 0.78239184 | 0.78338489 | 0.78294172 | 0.78266678 |
| 0.2 | 0.78978165 | 0.78801199 | 0.78723848 | 0.788510065 |
| 0.3 | 0.78978165 | 0.78897925 | 0.79331094 | 0.791546295 |
| 0.4 | 0.79331094 | 0.78897925 | 0.78897925 | 0.791145095 |
| 0.5 | 0.79581097 | 0.78897925 | 0.78897925 | 0.79239511 |
| 0.6 | 0.78897925 | 0.79331094 | 0.78897925 | 0.78897925 |
| 0.7 | 0.78978165 | 0.79331094 | 0.78978165 | 0.78978165 |
| 0.8 | 0.78978165 | 0.78978165 | 0.79331094 | 0.791546295 |
| 0.9 | 0.79331094 | 0.78978165 | 0.79331094 | 0.79331094 |
| 1 | 0.79478535 | 0.79331094 | 0.79331094 | 0.794048145 |