**ECE 6380 – Homework 7**

**Caitlyn Caggia**

Recreated Table 5

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| Number of Cells | |Γ| | <Γ | Error | Ratio | p |
| 8 | 0.40356 | 60.2634 | 1.8409 | 5.1115 | 2.3537 |
| 16 | 0.40342 | 60.2486 | 0.3602 | 12.0051 | 3.5856 |
| 32 | 0.40338 | 60.2453 | 0.0300 | 3.0000 | 1.5859 |
| 64 | 0.40338 | 60.2451 | 0.0100 | -- | -- |
| Exact | 0.40338 | 60.245 | -- | -- | -- |
|  |  |  |  |  |  |
| Number of Cells | |τ| | <τ | Error | Ratio | p |
| 8 | 0.91495 | 150.2634 | 1.8399 | 5.1109 | 2.3536 |
| 16 | 0.91502 | 150.2486 | 0.3600 | 12.0000 | 3.5850 |
| 32 | 0.91503 | 150.2453 | 0.0300 | 3.0000 | 1.5850 |
| 64 | 0.91503 | 150.2451 | 0.0100 | -- | -- |
| Exact | 0.91503 | 150.245 | -- | -- | -- |

Recreated Table 6

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| Number of Cells | |Γ| | <Γ | Error | Ratio | p |
| 10 | 0.49068 | 101.2204 | 84.6329 | 14.5857 | 3.8665 |
| 20 | 0.48295 | 100.4126 | 5.8024 | 9.2230 | 3.2052 |
| 40 | 0.48247 | 100.3609 | 0.6291 | 16.1292 | 4.0116 |
| 80 | 0.48242 | 100.355 | 0.0390 | -- | -- |
| Exact | 0.4824168 | 100.35461 | -- | -- | -- |
|  |  |  |  |  |  |
| Number of Cells | |τ| | <τ | Error | Ratio | p |
| 10 | 0.87137 | 11.2204 | 83.6811 | 14.344 | 3.8514 |
| 20 | 0.87565 | 10.4126 | 5.7973 | 9.2167 | 3.2043 |
| 40 | 0.87591 | 10.3609 | 0.6290 | 16.1279 | 4.0115 |
| 80 | 0.87594 | 10.355 | 0.0390 | -- | -- |
| Exact | 0.8759418 | 10.35461 | -- | -- | -- |