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Professor Mane

CSCI 211

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**Project 1**

Q5:

List of iterates for the square root of 15119090.

|  |  |
| --- | --- |
|  |  |
| 0 | 1 |
| 1 | 7559545.5000 |
| 2 | 3779773.7500 |
| 3 | 1889888.8750 |
| 4 | 944948.4375 |
| 5 | 472482.2187 |
| 6 | 236257.1090 |
| 7 | 118160.5516 |
| 8 | 59144.2527 |
| 9 | 29699.9417 |
| 10 | 15104.5015 |
| 11 | 8052.7337 |
| 12 | 4965.1220 |
| 13 | 4005.0905 |
| 14 | 3890.0294 |
| 15 | 3888.3278 |
| 16 | 3888.3274 |
| 17 | 3888.3274 |

Q6:

The function divisible\_9 with n = 15119090 returns false and s = 8.

Q7:

The function divisible\_11 with n = 15119090 returns false and s = 3.