**Computer Science 1710**

**Assignment 3**

**Matthew Bartlett**

**201437787**

**Part 1: Tracing**

                    |MAIN                |ONE                     |TWO |

|  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| Line # | Loop Condition T/F | y | x | z | x | i | y | b | i | Output |
| 1 |  | 10 |  |  |  |  |  |  |  |  |
| 2 |  |  | one(10/4) |  |  |  |  |  |  |  |
| 8 |  |  |  | 2 |  |  |  |  |  |  |
| 9 |  |  |  |  | 1 |  |  |  |  |  |
| 10 | T |  |  |  |  | 1 |  |  |  |  |
| 11 |  |  |  |  |  |  | two(1) |  |  |  |
| 4 |  |  |  |  |  |  |  | 1 |  |  |
| 5 |  |  |  |  |  |  |  |  | 2 |  |
| 6 |  |  |  |  |  |  |  |  |  | “2: 2” |
| 7 |  |  |  |  |  |  | 4 |  |  |  |
| 12 |  |  |  |  |  |  |  |  |  | “3: 4” |
| 13 |  |  |  |  | 9 |  |  |  |  |  |
| 10 | F |  |  |  |  | 0 |  |  |  |  |
| 14 |  |  |  |  |  |  |  |  |  | “4: 9” |
| 15 |  |  | 9 |  |  |  |  |  |  |  |
| 3 |  |  |  |  |  |  |  |  |  | “1: 19” |