

**Activity 1.2.4.Aa Blocks**

A software developer’s job usually includes writing programs, but it also includes reading other people’s programs. Seven times as much time is spent reading a piece of code as the time spent writing the piece of code. This is one reason it is so important to document code.

Can you figure out how the ball-bouncing program works?

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|  | All Globals for All Stages |
| A1  A2  A3  A4 |  |
| A5  A6  A7  A8  A9 |  |
| A10  A11  A12  A13  A14 |  |
| A15  A16  A17 |  |
| A18  A19  A20 |  |

|  |  |
| --- | --- |
| B1  B2  B3 | Stage 1 Chunk |

|  |  |
| --- | --- |
| C1  C2  C3  C4 | Stage 2 New Chunk |

|  |  |
| --- | --- |
| D1  D2 | Stage 3 New Chunk |

|  |  |
| --- | --- |
| E1  E2  E3  E4  E5 | Stage 3 New Chunks/Modified Chunks |
| F1  F2  F3  F4  F5  F6  F7  F8  F9  F10 |  |
| G1  G2  G3  G4  G5  G6 | Stage 4 New Chunks/Modified Chunks |
| H1  H2  H3  H4  H5  H6  H7  H8  H9  H10  H11  H12 |  |
| I1  I2  I3  I4  I5  I6  I7  I8  I9  I10  I11  I12  I13  I14  I15  I16  I17  I18  I19  I20  I21  I22 |  |

|  |  |
| --- | --- |
| **J1**  **J2**  **J3**  **J4**  **J5**  **J6**  **J7**  **J8**  **J9**  **J10**  **J11**  **J12**  **J13**  **J14**  **J15**  **J16**  **J17**  **J18** | **Stage 6 Modified Chunks** |
| **K1**  **K2**  **K3**  **K4**  **K5**  **K6**  **K7**  **K8**  **K9**  **K10**  **K11**  **K12**  **K13**  **K14** | **Continued on next page…** |

|  |  |
| --- | --- |
| K15  K16  K17  K18  K19  K20  K21  K22  K23  K24  K25  K26  K27  K28  **K29** | Continued from previous page |