**Olympics Lab Tests – Program Correctness**

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| **Points** | **Input** | **Output** |
| 3 | 0 | Welcome to the Short Track Speed Skating Analyzer!  Please choose an event  1 500 meters  2 1000 meters  3 1500 meters  0 exit  Event: 0  Thank you for using the Short Track Speed Skating Analyzer! |
| 15 | 1  Apolo Ohno  6.65  15.83  24.6  33.14  41.93 | Welcome to the Short Track Speed Skating Analyzer!  Please choose an event  1 500 meters  2 1000 meters  3 1500 meters  0 exit  Event: 1  Skater first and last name: Apolo Ohno  End time of lap 1 (in seconds): 6.65  Acceleration in m/s^2: 2.26  End time of lap 2 (in seconds): 15.83  Acceleration in m/s^2: -0.45  End time of lap 3 (in seconds): 24.6  Acceleration in m/s^2: 0.06  End time of lap 4 (in seconds): 33.14  Acceleration in m/s^2: 0.04  End time of lap 5 (in seconds): 41.93  Acceleration in m.s^2: -0.04  End of analysis for Apolo Ohno  Please choose an event  1 500 meter  2 1000 meter  3 1500 meter  0 exit  Event: |
| 15 | 2  Zhang Hong  7.4  14.8  22.2  29.6  37  44.4  51.8  59.2  66.6  74 | Skater first and last name: Zhang Hong  End time of lap 1 (in seconds): 7.4  Acceleration in m/s^2: 1.83  End time of lap 2 (in seconds): 14.8  Acceleration in m/s^2: 0.00  End time of lap 3 (in seconds): 22.2  Acceleration in m/s^2: 0.00  End time of lap 4 (in seconds): 29.6  Acceleration in m/s^2: 0.00  End time of lap 5 (in seconds): 37  Acceleration in m/s^2: 0.00  End time of lap 6 (in seconds): 44.4  Acceleration in m/s^2: 0.00  End time of lap 7 (in seconds): 51.8  Acceleration in m/s^2: 0.00  End time of lap 8 (in seconds): 59.2  Acceleration in m/s^2: 0.00  End time of lap 9 (in seconds): 66.6  Acceleration in m/s^2: 0.00  End time of lap 10 (in seconds): 74  Acceleration in m/s^2: 0.00  End of analysis for Zhang Hong  Please choose an event  1 500 meters  2 1000 meters  3 1500 meters  0 exit  Event: |
| 15 | 3  Maame Biney  7.98  18.26  27.89  36.91  45.85  54.68  62.97  71.61  80.12  88.35  97.09  105.29  113.54  121.82  130.5 | Skater first and last name: Maame Biney  End time of lap 1 (in seconds): 7.98  Acceleration in m/s^2: 1.57  End time of lap 2 (in seconds): 18.26  Acceleration in m/s^2: -0.27  End time of lap 3 (in seconds): 27.89  Acceleration in m/s^2: 0.07  End time of lap 4 (in seconds): 36.91  Acceleration in m/s^2: 0.08  End time of lap 5 (in seconds): 45.85  Acceleration in m/s^2: 0.01  End time of lap 6 (in seconds): 54.68  Acceleration in m/s^2: 0.02  End time of lap 7 (in seconds): 62.97  Acceleration in m/s^2: 0.09  End time of lap 8 (in seconds): 71.61  Acceleration in m/s^2: -0.06  End time of lap 9 (in seconds): 80.12  Acceleration in m/s^2: 0.02  End time of lap 10 (in seconds): 88.35  Acceleration in m/s^2: 0.05  End time of lap 11 (in seconds): 97.09  Acceleration in m/s^2: -0.08  End time of lap 12 (in seconds): 105.29  Acceleration in m/s^2: 0.09  End time of lap 13 (in seconds): 113.54  Acceleration in m/s^2: -0.01  End time of lap 14 (in seconds): 121.82  Acceleration in m/s^2: -0.01  End time of lap 15 (in seconds): 130.5  Acceleration in m/s^2: -0.06  End of analysis for Maame Biney  Please choose an event  1 500 meters  2 1000 meters  3 1500 meters  0 exit  Event: |
| 6 | -1  4 | Invalid event -1  Please choose an event  1 500 meters  2 1000 meters  3 1500 meters  0 exit  Event: 4  Invalid event 4  Please choose an event  1 500 meters  2 1000 meters  3 1500 meters  0 exit  Event: |
| 3 | 0 | Thank you for using the Short Track Speed Skating Analyzer! |