**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 exitEvent: 0Thank you for using the Short Track Speed Skating Analyzer! |
| 15 | 1Apolo Ohno6.6515.8324.633.1441.93 | Welcome to the Short Track Speed Skating Analyzer!Please choose an event 1 500 meters 2 1000 meters 3 1500 meters 0 exitEvent: 1Skater first and last name: Apolo OhnoEnd time of lap 1 (in seconds): 6.65Acceleration in m/s^2: 2.26End time of lap 2 (in seconds): 15.83Acceleration in m/s^2: -0.45End time of lap 3 (in seconds): 24.6Acceleration in m/s^2: 0.06End time of lap 4 (in seconds): 33.14Acceleration in m/s^2: 0.04End time of lap 5 (in seconds): 41.93Acceleration in m.s^2: -0.04End of analysis for Apolo OhnoPlease choose an event 1 500 meter 2 1000 meter 3 1500 meter 0 exitEvent: |
| 15 | 2Zhang Hong7.414.822.229.63744.451.859.266.674 | Skater first and last name: Zhang HongEnd time of lap 1 (in seconds): 7.4Acceleration in m/s^2: 1.83End time of lap 2 (in seconds): 14.8Acceleration in m/s^2: 0.00End time of lap 3 (in seconds): 22.2Acceleration in m/s^2: 0.00End time of lap 4 (in seconds): 29.6Acceleration in m/s^2: 0.00End time of lap 5 (in seconds): 37Acceleration in m/s^2: 0.00End time of lap 6 (in seconds): 44.4Acceleration in m/s^2: 0.00End time of lap 7 (in seconds): 51.8Acceleration in m/s^2: 0.00End time of lap 8 (in seconds): 59.2Acceleration in m/s^2: 0.00End time of lap 9 (in seconds): 66.6Acceleration in m/s^2: 0.00End time of lap 10 (in seconds): 74Acceleration in m/s^2: 0.00End of analysis for Zhang HongPlease choose an event 1 500 meters 2 1000 meters 3 1500 meters 0 exitEvent: |
| 15 | 3Maame Biney7.9818.2627.8936.9145.8554.6862.9771.6180.1288.3597.09105.29113.54121.82130.5 | Skater first and last name: Maame BineyEnd time of lap 1 (in seconds): 7.98Acceleration in m/s^2: 1.57End time of lap 2 (in seconds): 18.26Acceleration in m/s^2: -0.27End time of lap 3 (in seconds): 27.89Acceleration in m/s^2: 0.07End time of lap 4 (in seconds): 36.91Acceleration in m/s^2: 0.08End time of lap 5 (in seconds): 45.85Acceleration in m/s^2: 0.01End time of lap 6 (in seconds): 54.68Acceleration in m/s^2: 0.02End time of lap 7 (in seconds): 62.97Acceleration in m/s^2: 0.09End time of lap 8 (in seconds): 71.61Acceleration in m/s^2: -0.06End time of lap 9 (in seconds): 80.12Acceleration in m/s^2: 0.02End time of lap 10 (in seconds): 88.35Acceleration in m/s^2: 0.05End time of lap 11 (in seconds): 97.09Acceleration in m/s^2: -0.08End time of lap 12 (in seconds): 105.29Acceleration in m/s^2: 0.09End time of lap 13 (in seconds): 113.54Acceleration in m/s^2: -0.01End time of lap 14 (in seconds): 121.82Acceleration in m/s^2: -0.01End time of lap 15 (in seconds): 130.5Acceleration in m/s^2: -0.06End of analysis for Maame BineyPlease choose an event 1 500 meters 2 1000 meters 3 1500 meters 0 exitEvent: |
| 6 | -14 | Invalid event -1Please choose an event 1 500 meters 2 1000 meters 3 1500 meters 0 exitEvent: 4Invalid event 4Please choose an event 1 500 meters 2 1000 meters 3 1500 meters 0 exitEvent: |
| 3 | 0 | Thank you for using the Short Track Speed Skating Analyzer! |