**1/ ECG**

|  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| Algorithm | Num data Point | Regression Error | Buffer size | Non-self match threshold | n | Paa length | k | alpha | Minimum Length | Ratio | segments | Execution Time |
| VL with Quadratic | 21600 | 6.5 | x | 0.3 | x | x | 1 | 2 | x | x | **10867 - 11010: 4.12481664737583** | 00:00:53 |
| VL with SWAB | 21600 | 6.5 | 2000 | x | x | x | 1 | 3 | x | x | **Segment: 10874 - 10977: 3.75082253244078** | 00:05:54 |
| VL with Extrem Point | 21600 | x | x | x | x | x | 1 | 6 | 50 | 1.04 | **Segment: 10850 - 11380: 7.92067111650376** | 00:05:16 |
| HOT SAX | 21600 | x | x | x | 128 | 8 | x | x | x | x | **10857** | 00:12:39 |

**2/ ERP**

|  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| Algorithm | Num data Point | Regression Error | Buffer size | Non-self match threshold | n | Paa length | k | alpha | Minimum Length | Ratio | segments | Execution Time |
| VL with Quadratic | 5000 | 6 | x | 1 | x | x | 1 | 3 |  |  | Segment: 1348 - 1410, anomal factor: 4.13381789954591  Segment: 78 - 138, anomal factor: 5.59186952417748  **Segment: 2624 - 2681, anomal factor: 6.77858478776081** | 00:00:5 |
| VL with SWAB | 5000 | 6 | 500 | x | x | x | 1 | 3 |  |  | Segment: 2734 - 2751, anomal factor: 3.42974798402891  Segment: 1370 - 1433, anomal factor: 4.20096933325452  **Segment: 2646 - 2679, anomal factor: 7.56402622468231** | 00:00:48 |
| VL with Extrem point |  |  |  |  |  |  | 2 | 4 | 20 | 1.5 | **Segment: 2649 - 2751: 4.22382864834973** | 00:00:12 |
| HOT SAX | 5000 | x | x | x | 60 | 6 | x | x |  |  | **2626** | 00:00:59 |

1.5 20

**3/ Memory**

|  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| Algorithm |  | Num data Point | Regression Error | Buffer size | Non-self match threshold | n | Paa length | k | alpha | Minimum length | Ratio | segments | Execution Time |
| VL with Quadratic |  | 6875 | 8 | x | 0.1 | x | x | 2 | 2.5 |  |  | Segment: 164 - 256: 2.85052558048754  **Segment: 2425 - 2590: 2.92031265749066** | 00:00:07 |
| VL with SWAB |  | 6875 | 6 | 600 | x | x | x | 1 | 3.9 |  |  | Segment: 6204 - 6291: 4.16598664770241  Segment: 6332 - 6365: 4.23630620448598  Segment: 6396 - 6463: 4.30168234732894  **Segment: 2432 - 2535: 7.40246652416947** | 00:01:02 |
| VL with Extrem point |  | x | x | x | x | x | x | 1 | 2.5 | 50 | 1.05 | **Segment: 2399 - 2614: 2.87625101231269** | 00:00:23 |
| HOT SAX |  | 6875 | x | x | x | 200 | 10 | x | x |  |  | **2421** | 00:01:30 |

**1.05 50**

**4/ Power**

|  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| Algorithm | Num data Point | Regression Error | Buffer size | Non-self match threshold | n | Paa length | k | alpha | Minimum Length | Ratio | segments | Execution Time |
| VL with Quadratic | 5000 | 1000000 | x | 100 | x | x | 1 | 2.0 |  |  | **Segment: 1937 - 1985: 2.14532282485865** | 00:00:05 |
| VL with SWAB | 5000 | 860000 | 500 | x | x | x | 1 | 4.0 |  |  | Segment: 3264 - 3307: 3.64770540969957  Segment: 4744 - 4833: 4.55710014519621  Segment: 4678 - 4743: 5.04642005920572  **Segment: 4558 - 4645: 5.44147520508347** | 00:00:41 |
| VL with Extrem point |  |  |  |  |  |  | 1 | 4 | 10 | 1.05 | Segment: 4811 - 4844: 4.42822571179775  Segment: 4180 - 4240: 4.45923024851625  **Segment: 4068 - 4166: 4.6201288824893** | 00:00:33 |
| HOT SAX | 5000 | x | x | x | 50 | 5 | x | x |  |  | **1943** | 00:01:30 |

**5/ Power Italia**

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| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| Algorithm | Num data Point | Regression Error | Buffer size | Non-self match threshold | n | Paa length | k | alpha | Minimum Length | Ratio | segments | Execution Time |
| VL with Quadratic | 5000 | 67650 | x | 50 | x | x | 1 | 1.5 |  |  | Segment: 0 - 57: 1.8642839011195  Segment: 1306 - 1377: 1.91489163881996  **Segment: 102 - 216: 1.97336695225782** | 00:00:09 |
| VL with SWAB | 5000 | 100000 | 500 | x | x | x | 1 |  |  |  | **Segment: 0 - 91: 3.47474352997991** | 00:00:53 |
| VL with Extrem points |  |  |  |  |  |  | 1 |  | **20** | **1.6** | Segment: 51 - 715: 1.73470551752605  Segment: 2049 - 2379: 1.76435386515438 | 00:00;19 |
| HOT SAX | 5000 | x | x | x | 100 | 10 | x | x |  |  | **127** | 00:00:41 |

**2.0 50**

**6/ Stock**

|  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| Algorithm | Num data Point | Regression Error | Buffer size | Non-self match threshold | n | Paa length | k | alpha | Minimum Length | Ratio | segments | Execution Time |
| VL with Quadratic | 5000 | 2 | x | 0.1 | x | x | 1 | 3 |  |  | Segment: 212 - 598, anomal factor: 4.33008535501089  **Segment: 2961 - 3667, anomal factor: 5.24679501071554** | 00:00:03 |
| VL with SWAB | 5000 | 2 | 500 | x | x | x | 1 |  |  |  | **Segment: 2942 - 3719: 9.65854070431105** | 00:00:22 |
| VL with Extrem point |  |  |  |  |  |  | 1 | 1.4 | **200** | **1.01** | **Segment: 2960 - 3809: 1.47886724582961** | 00:00:03 |
| HOT SAX | 5000 | x | x | x | 700 | 70 | x | x |  |  | **2949** | 00:00:41 |

**Tek16**

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| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| Algorithm | Num data Point | Regression Error | Buffer size | Non-self match threshold | n | Paa length | k | alpha | Minimum Length | Ratio | segments | Execution Time |
| VL with Quadratic | 5000 | 2 | x | 0.1 | x | x | 1 | 3 |  |  | Segment: 212 - 598, anomal factor: 4.33008535501089  **Segment: 2961 - 3667, anomal factor: 5.24679501071554** | 00:00:03 |
| VL with SWAB | 5000 | 2 | 500 | x | x | x | 1 |  |  |  | **Segment: 2942 - 3719: 9.65854070431105** | 00:00:22 |
| VL with Extrem point |  |  |  |  |  |  | 1 | 3 | **50** | **1.02** | Segment: 4197 - 4385, anomal factor: 4.055999131461 | 00:00:03 |
| HOT SAX | 5000 | x | x | x | 128 | 10 | x | x |  |  | **4231** | 00:00:56 |

**EP: 1.02, 50, HX: 200,10**