|  |  |
| --- | --- |
| (Midclass 1001 select SARIMA, accuracy: 4.164104)  (Midclass 1002 select SARIMA, accuracy: 0.530263)  (Midclass 1004 select SARIMA, accuracy: 2.009439)  (Midclass 1005 select ZERO, accuracy: 0.377964)  (Midclass 1099 select SARIMA, accuracy: 0.195678)  (Midclass 1101 select SARIMA, accuracy: 1.562947)  (Midclass 1102 select SARIMA, accuracy: 0.875281)  (Midclass 1103 select SARIMA, accuracy: 0.415788)  (Midclass 1201 select SARIMA, accuracy: 22.207918)  (Midclass 1202 select SARIMA, accuracy: 2.736437)  (Midclass 1203 select SARIMA, accuracy: 11.184439)  (Midclass 1205 select SARIMA, accuracy: 0.846538)  (Midclass 1301 select XGBOOST, accuracy: 1.802102)  (Midclass 1302 select SARIMA, accuracy: 1.113745)  (Midclass 1306 select XGBOOST, accuracy: 0.668731)  (Midclass 1308 select SARIMA, accuracy: 3.409499)  (Midclass 1501 select XGBOOST, accuracy: 1.607822)  (Midclass 1502 select SARIMA, accuracy: 0.649425)  (Midclass 1503 select XGBOOST, accuracy: 0.854608)  (Midclass 1504 select ZERO, accuracy: 0.577350)  (Midclass 1505 select SARIMA, accuracy: 5.885219)  (Midclass 1507 select ZERO, accuracy: 0.000000)  (Midclass 1508 select SARIMA, accuracy: 0.998574)  (Midclass 1510 select SARIMA, accuracy: 1.002930)  (Midclass 1511 select SARIMA, accuracy: 0.207669)  (Midclass 1512 select XGBOOST, accuracy: 0.536687)  (Midclass 1513 select SARIMA, accuracy: 1.473901)  (Midclass 1515 select SARIMA, accuracy: 1.343283)  (Midclass 1516 select XGBOOST, accuracy: 1.640316)  (Midclass 1517 select XGBOOST, accuracy: 2.080571)  (Midclass 1518 select SARIMA, accuracy: 5.853074)  (Midclass 1519 select XGBOOST, accuracy: 1.276925)  (Midclass 1521 select SARIMA, accuracy: 3.578035)  (Midclass 2001 select ZERO, accuracy: 2.203893)  (Midclass 2002 select SARIMA, accuracy: 1.330328)  (Midclass 2003 select XGBOOST, accuracy: 1.401267)  (Midclass 2004 select SARIMA, accuracy: 0.204031)  (Midclass 2005 select SARIMA, accuracy: 1.984291)  (Midclass 2006 select XGBOOST, accuracy: 3.567574)  (Midclass 2007 select SARIMA, accuracy: 2.002037)  (Midclass 2008 select SARIMA, accuracy: 2.831727)  (Midclass 2009 select SARIMA, accuracy: 2.368810)  (Midclass 2010 select XGBOOST, accuracy: 1.422014)  (Midclass 2011 select SARIMA, accuracy: 7.890765)  (Midclass 2012 select XGBOOST, accuracy: 0.779130)  (Midclass 2013 select SARIMA, accuracy: 3.032853)  (Midclass 2014 select SARIMA, accuracy: 4.112845)  (Midclass 2015 select XGBOOST, accuracy: 1.717115)  (Midclass 2101 select XGBOOST, accuracy: 0.531832)  (Midclass 2102 select ZERO, accuracy: 0.377964)  (Midclass 2103 select SARIMA, accuracy: 0.951623)  (Midclass 2104 select SARIMA, accuracy: 1.087212)  (Midclass 2105 select SARIMA, accuracy: 1.209021)  (Midclass 2106 select XGBOOST, accuracy: 0.528829)  (Midclass 2107 select ZERO, accuracy: 0.000000)  (Midclass 2201 select SARIMA, accuracy: 5.789172)  (Midclass 2202 select SARIMA, accuracy: 7.402780)  (Midclass 2203 select SARIMA, accuracy: 7.110155)  (Midclass 2204 select SARIMA, accuracy: 3.052818)  (Midclass 2205 select SARIMA, accuracy: 3.604804)  (Midclass 2206 select SARIMA, accuracy: 4.279676)  (Midclass 2207 select SARIMA, accuracy: 2.793577)  (Midclass 2208 select SARIMA, accuracy: 1.795416)  (Midclass 2209 select XGBOOST, accuracy: 1.610905)  (Midclass 2210 select SARIMA, accuracy: 3.808497)  (Midclass 2211 select ZERO, accuracy: 0.377964)  (Midclass 2212 select XGBOOST, accuracy: 1.402607)  (Midclass 2301 select XGBOOST, accuracy: 1.707330)  (Midclass 2302 select SARIMA, accuracy: 1.730345)  (Midclass 2303 select XGBOOST, accuracy: 2.240427)  (Midclass 2304 select XGBOOST, accuracy: 0.650331)  (Midclass 2305 select SARIMA, accuracy: 1.866917)  (Midclass 2306 select XGBOOST, accuracy: 3.693004)  (Midclass 2307 select SARIMA, accuracy: 1.606624)  (Midclass 2309 select XGBOOST, accuracy: 1.696085)  (Midclass 2310 select ZERO, accuracy: 0.617213)  (Midclass 2311 select XGBOOST, accuracy: 1.108243)  (Midclass 2312 select SARIMA, accuracy: 0.478464)  (Midclass 2313 select ZERO, accuracy: 0.308607)  (Midclass 2314 select XGBOOST, accuracy: 1.468442)  (Midclass 2316 select XGBOOST, accuracy: 1.258186)  (Midclass 2317 select XGBOOST, accuracy: 0.640845)  (Midclass 3001 select ZERO, accuracy: 0.308607)  (Midclass 3002 select SARIMA, accuracy: 1.270771)  (Midclass 3003 select SARIMA, accuracy: 0.708163)  (Midclass 3004 select XGBOOST, accuracy: 0.470117)  (Midclass 3005 select XGBOOST, accuracy: 0.946125)  (Midclass 3006 select SARIMA, accuracy: 2.675442)  (Midclass 3007 select SARIMA, accuracy: 1.639240)  (Midclass 3008 select SARIMA, accuracy: 1.766410)  (Midclass 3010 select SARIMA, accuracy: 0.838993)  (Midclass 3011 select SARIMA, accuracy: 0.640106)  (Midclass 3013 select SARIMA, accuracy: 2.473312)  (Midclass 3014 select ZERO, accuracy: 0.218218)  (Midclass 3016 select SARIMA, accuracy: 3.851208)  (Midclass 3017 select SARIMA, accuracy: 0.888357)  (Midclass 3018 select SARIMA, accuracy: 3.428816)  (Midclass 3102 select ZERO, accuracy: 0.218218)  (Midclass 3105 select XGBOOST, accuracy: 0.214763)  (Midclass 3107 select SARIMA, accuracy: 0.215656)  (Midclass 3109 select ZERO, accuracy: 0.218218)  (Midclass 3110 select XGBOOST, accuracy: 0.681508)  (Midclass 3112 select SARIMA, accuracy: 0.673105)  (Midclass 3113 select SARIMA, accuracy: 0.196265)  (Midclass 3114 select SARIMA, accuracy: 0.820782)  (Midclass 3116 select SARIMA, accuracy: 0.859559)  (Midclass 3117 select ZERO, accuracy: 0.690066)  (Midclass 3118 select XGBOOST, accuracy: 1.138621)  (Midclass 3119 select ZERO, accuracy: 0.308607)  (Midclass 3125 select ZERO, accuracy: 0.000000)  (Midclass 3126 select SARIMA, accuracy: 0.710316)  (Midclass 3208 select ZERO, accuracy: 0.000000)  (Midclass 3217 select ZERO, accuracy: 0.000000)  (Midclass 3227 select SARIMA, accuracy: 0.470535)  (Midclass 3311 select ZERO, accuracy: 0.000000)  (Midclass 3316 select ZERO, accuracy: 0.000000)  (Midclass 3319 select SARIMA, accuracy: 1.418897)  (Midclass 3320 select XGBOOST, accuracy: 0.681791)  (Midclass 3321 select ZERO, accuracy: 0.845154)  (Midclass 3322 select ZERO, accuracy: 0.218218)  (Midclass 3323 select ZERO, accuracy: 0.308607)  (Midclass 3325 select SARIMA, accuracy: 0.306011)  (Midclass 3326 select ZERO, accuracy: 0.000000)  (Midclass 3402 select SARIMA, accuracy: 0.505201)  (Midclass 3403 select ZERO, accuracy: 0.218218)  (Midclass 3407 select XGBOOST, accuracy: 1.583984)  (Midclass 3408 select ZERO, accuracy: 0.218218)  (Midclass 3413 select ZERO, accuracy: 0.000000)  (Midclass 3415 select SARIMA, accuracy: 0.871680)  (Midclass 3417 select XGBOOST, accuracy: 0.377431)  (Midclass 3423 select SARIMA, accuracy: 0.438360)  (Midclass 3424 select XGBOOST, accuracy: 1.109004)  (Midclass 3426 select XGBOOST, accuracy: 0.215652)  (Midclass 3431 select SARIMA, accuracy: 0.555214)  (Larclass 10 select SUM, accuracy: 5.288813)  (Larclass 11 select SUM, accuracy: 1.967995)  (Larclass 12 select SARIMA, accuracy: 29.097950)  (Larclass 13 select SARIMA, accuracy: 3.669651)  (Larclass 15 select SARIMA, accuracy: 15.189662)  (Larclass 20 select SARIMA, accuracy: 13.969971)  (Larclass 21 select SUM, accuracy: 2.007923)  (Larclass 22 select SUM, accuracy: 22.782286)  (Larclass 23 select SARIMA, accuracy: 9.731009)  (Larclass 30 select SARIMA, accuracy: 8.978236)  (Larclass 31 select SUM, accuracy: 2.468272)  (Larclass 32 select SARIMA, accuracy: 0.447503)  (Larclass 33 select SARIMA, accuracy: 2.195191)  (Larclass 34 select SARIMA, accuracy: 2.465107)  (Predict finished, accuracy: 4.692148)  train set 99 days  test set 21 days  sarima without log function  score 0.1721 | (Midclass 1001 select SARIMA, accuracy: 4.545295)  (Midclass 1002 select SARIMA, accuracy: 0.552378)  (Midclass 1004 select SARIMA, accuracy: 2.256997)  (Midclass 1005 select SARIMA, accuracy: 0.357175)  (Midclass 1099 select SARIMA, accuracy: 0.201466)  (Midclass 1101 select SARIMA, accuracy: 1.624047)  (Midclass 1102 select SARIMA, accuracy: 0.803240)  (Midclass 1103 select SARIMA, accuracy: 0.428004)  (Midclass 1201 select SARIMA, accuracy: 23.045677)  (Midclass 1202 select SARIMA, accuracy: 2.746981)  (Midclass 1203 select SARIMA, accuracy: 12.229445)  (Midclass 1205 select SARIMA, accuracy: 0.718229)  (Midclass 1301 select XGBOOST, accuracy: 1.802102)  (Midclass 1302 select SARIMA, accuracy: 1.111331)  (Midclass 1306 select XGBOOST, accuracy: 0.668731)  (Midclass 1308 select XGBOOST, accuracy: 3.809263)  (Midclass 1501 select XGBOOST, accuracy: 1.607822)  (Midclass 1502 select SARIMA, accuracy: 0.658598)  (Midclass 1503 select XGBOOST, accuracy: 0.854608)  (Midclass 1504 select SARIMA, accuracy: 0.550231)  (Midclass 1505 select SARIMA, accuracy: 5.900934)  (Midclass 1507 select ZERO, accuracy: 0.000000)  (Midclass 1508 select SARIMA, accuracy: 1.090505)  (Midclass 1510 select SARIMA, accuracy: 0.978474)  (Midclass 1511 select SARIMA, accuracy: 0.203452)  (Midclass 1512 select XGBOOST, accuracy: 0.536687)  (Midclass 1513 select SARIMA, accuracy: 1.463766)  (Midclass 1515 select SARIMA, accuracy: 1.367005)  (Midclass 1516 select XGBOOST, accuracy: 1.640316)  (Midclass 1517 select XGBOOST, accuracy: 2.080571)  (Midclass 1518 select SARIMA, accuracy: 6.108727)  (Midclass 1519 select XGBOOST, accuracy: 1.276925)  (Midclass 1521 select SARIMA, accuracy: 4.370770)  (Midclass 2001 select SARIMA, accuracy: 1.927162)  (Midclass 2002 select SARIMA, accuracy: 1.255241)  (Midclass 2003 select XGBOOST, accuracy: 1.401267)  (Midclass 2004 select SARIMA, accuracy: 0.204822)  (Midclass 2005 select SARIMA, accuracy: 2.096124)  (Midclass 2006 select SARIMA, accuracy: 3.304013)  (Midclass 2007 select SARIMA, accuracy: 1.645440)  (Midclass 2008 select SARIMA, accuracy: 3.439280)  (Midclass 2009 select SARIMA, accuracy: 2.526234)  (Midclass 2010 select XGBOOST, accuracy: 1.422014)  (Midclass 2011 select SARIMA, accuracy: 8.032599)  (Midclass 2012 select XGBOOST, accuracy: 0.779130)  (Midclass 2013 select SARIMA, accuracy: 3.248557)  (Midclass 2014 select XGBOOST, accuracy: 4.282614)  (Midclass 2015 select SARIMA, accuracy: 1.613012)  (Midclass 2101 select SARIMA, accuracy: 0.529949)  (Midclass 2102 select SARIMA, accuracy: 0.355914)  (Midclass 2103 select SARIMA, accuracy: 0.955614)  (Midclass 2104 select SARIMA, accuracy: 1.104273)  (Midclass 2105 select SARIMA, accuracy: 1.074882)  (Midclass 2106 select XGBOOST, accuracy: 0.528829)  (Midclass 2107 select ZERO, accuracy: 0.000000)  (Midclass 2201 select SARIMA, accuracy: 5.805622)  (Midclass 2202 select SARIMA, accuracy: 7.763053)  (Midclass 2203 select SARIMA, accuracy: 6.805800)  (Midclass 2204 select SARIMA, accuracy: 2.982091)  (Midclass 2205 select SARIMA, accuracy: 3.530498)  (Midclass 2206 select SARIMA, accuracy: 4.565338)  (Midclass 2207 select SARIMA, accuracy: 2.534159)  (Midclass 2208 select SARIMA, accuracy: 1.949155)  (Midclass 2209 select XGBOOST, accuracy: 1.610905)  (Midclass 2210 select XGBOOST, accuracy: 3.916886)  (Midclass 2211 select ZERO, accuracy: 0.377964)  (Midclass 2212 select SARIMA, accuracy: 1.322813)  (Midclass 2301 select SARIMA, accuracy: 1.694978)  (Midclass 2302 select SARIMA, accuracy: 1.803575)  (Midclass 2303 select XGBOOST, accuracy: 2.240427)  (Midclass 2304 select XGBOOST, accuracy: 0.650331)  (Midclass 2305 select SARIMA, accuracy: 2.082788)  (Midclass 2306 select XGBOOST, accuracy: 3.693004)  (Midclass 2307 select XGBOOST, accuracy: 1.669855)  (Midclass 2309 select XGBOOST, accuracy: 1.696085)  (Midclass 2310 select ZERO, accuracy: 0.617213)  (Midclass 2311 select XGBOOST, accuracy: 1.108243)  (Midclass 2312 select SARIMA, accuracy: 0.467421)  (Midclass 2313 select ZERO, accuracy: 0.308607)  (Midclass 2314 select XGBOOST, accuracy: 1.468442)  (Midclass 2316 select XGBOOST, accuracy: 1.258186)  (Midclass 2317 select XGBOOST, accuracy: 0.640845)  (Midclass 3001 select ZERO, accuracy: 0.308607)  (Midclass 3002 select SARIMA, accuracy: 1.197418)  (Midclass 3003 select SARIMA, accuracy: 0.719734)  (Midclass 3004 select SARIMA, accuracy: 0.466813)  (Midclass 3005 select XGBOOST, accuracy: 0.946125)  (Midclass 3006 select SARIMA, accuracy: 2.926062)  (Midclass 3007 select SARIMA, accuracy: 1.663672)  (Midclass 3008 select SARIMA, accuracy: 1.805282)  (Midclass 3010 select SARIMA, accuracy: 0.878675)  (Midclass 3011 select SARIMA, accuracy: 0.638697)  (Midclass 3013 select SARIMA, accuracy: 2.643550)  (Midclass 3014 select ZERO, accuracy: 0.218218)  (Midclass 3016 select SARIMA, accuracy: 4.004200)  (Midclass 3017 select SARIMA, accuracy: 0.906709)  (Midclass 3018 select SARIMA, accuracy: 3.431105)  (Midclass 3102 select ZERO, accuracy: 0.218218)  (Midclass 3105 select XGBOOST, accuracy: 0.214763)  (Midclass 3107 select SARIMA, accuracy: 0.214775)  (Midclass 3109 select ZERO, accuracy: 0.218218)  (Midclass 3110 select XGBOOST, accuracy: 0.681508)  (Midclass 3112 select SARIMA, accuracy: 0.669775)  (Midclass 3113 select SARIMA, accuracy: 0.189941)  (Midclass 3114 select SARIMA, accuracy: 0.757669)  (Midclass 3116 select SARIMA, accuracy: 0.876391)  (Midclass 3117 select SARIMA, accuracy: 0.642410)  (Midclass 3118 select XGBOOST, accuracy: 1.138621)  (Midclass 3119 select ZERO, accuracy: 0.308607)  (Midclass 3125 select ZERO, accuracy: 0.000000)  (Midclass 3126 select SARIMA, accuracy: 0.721825)  (Midclass 3208 select ZERO, accuracy: 0.000000)  (Midclass 3217 select ZERO, accuracy: 0.000000)  (Midclass 3227 select SARIMA, accuracy: 0.477001)  (Midclass 3311 select ZERO, accuracy: 0.000000)  (Midclass 3316 select ZERO, accuracy: 0.000000)  (Midclass 3319 select ZERO, accuracy: 1.511858)  (Midclass 3320 select XGBOOST, accuracy: 0.681791)  (Midclass 3321 select ZERO, accuracy: 0.845154)  (Midclass 3322 select ZERO, accuracy: 0.218218)  (Midclass 3323 select ZERO, accuracy: 0.308607)  (Midclass 3325 select SARIMA, accuracy: 0.306316)  (Midclass 3326 select ZERO, accuracy: 0.000000)  (Midclass 3402 select SARIMA, accuracy: 0.494645)  (Midclass 3403 select SARIMA, accuracy: 0.215481)  (Midclass 3407 select SARIMA, accuracy: 1.583542)  (Midclass 3408 select ZERO, accuracy: 0.218218)  (Midclass 3413 select ZERO, accuracy: 0.000000)  (Midclass 3415 select ZERO, accuracy: 0.899735)  (Midclass 3417 select SARIMA, accuracy: 0.367048)  (Midclass 3423 select SARIMA, accuracy: 0.435744)  (Midclass 3424 select XGBOOST, accuracy: 1.109004)  (Midclass 3426 select XGBOOST, accuracy: 0.215652)  (Midclass 3431 select SARIMA, accuracy: 0.533821)  (Larclass 10 select SARIMA, accuracy: 4.636930)  (Larclass 11 select SARIMA, accuracy: 1.924124)  (Larclass 12 select SARIMA, accuracy: 30.081308)  (Larclass 13 select SARIMA, accuracy: 3.668549)  (Larclass 15 select SARIMA, accuracy: 15.745058)  (Larclass 20 select SARIMA, accuracy: 13.885411)  (Larclass 21 select SARIMA, accuracy: 2.141705)  (Larclass 22 select SARIMA, accuracy: 22.780336)  (Larclass 23 select SARIMA, accuracy: 9.183560)  (Larclass 30 select SARIMA, accuracy: 9.066867)  (Larclass 31 select SARIMA, accuracy: 2.413565)  (Larclass 32 select SARIMA, accuracy: 0.440988)  (Larclass 33 select SARIMA, accuracy: 2.220987)  (Larclass 34 select SARIMA, accuracy: 2.590418)  (Predict finished, accuracy: 4.799438)  train set 99 days  test set 21 days  sarima with log function  score 0.1736 |
| (Midclass 1001 select SARIMA, accuracy: 5.837228)  (Midclass 1002 select SARIMA, accuracy: 0.366143)  (Midclass 1004 select XGBOOST, accuracy: 1.363746)  (Midclass 1005 select SARIMA, accuracy: 0.524090)  (Midclass 1099 select SARIMA, accuracy: 0.253536)  (Midclass 1101 select SARIMA, accuracy: 0.948596)  (Midclass 1102 select SARIMA, accuracy: 1.251373)  (Midclass 1103 select SARIMA, accuracy: 0.198515)  (Midclass 1201 select SARIMA, accuracy: 16.613673)  (Midclass 1202 select SARIMA, accuracy: 4.390584)  (Midclass 1203 select SARIMA, accuracy: 13.635208)  (Midclass 1205 select SARIMA, accuracy: 1.342587)  (Midclass 1301 select SARIMA, accuracy: 1.665809)  (Midclass 1302 select SARIMA, accuracy: 0.978777)  (Midclass 1306 select SARIMA, accuracy: 0.614782)  (Midclass 1308 select SARIMA, accuracy: 4.072984)  (Midclass 1501 select SARIMA, accuracy: 1.209696)  (Midclass 1502 select SARIMA, accuracy: 0.256677)  (Midclass 1503 select SARIMA, accuracy: 0.354237)  (Midclass 1504 select XGBOOST, accuracy: 0.423001)  (Midclass 1505 select XGBOOST, accuracy: 3.792905)  (Midclass 1507 select ZERO, accuracy: 0.000000)  (Midclass 1508 select XGBOOST, accuracy: 1.020931)  (Midclass 1510 select SARIMA, accuracy: 0.972737)  (Midclass 1511 select ZERO, accuracy: 0.267261)  (Midclass 1512 select SARIMA, accuracy: 0.415125)  (Midclass 1513 select ZERO, accuracy: 0.707107)  (Midclass 1515 select SARIMA, accuracy: 0.742279)  (Midclass 1516 select ZERO, accuracy: 0.000000)  (Midclass 1517 select XGBOOST, accuracy: 1.755939)  (Midclass 1518 select SARIMA, accuracy: 3.705156)  (Midclass 1519 select SARIMA, accuracy: 1.570086)  (Midclass 1521 select SARIMA, accuracy: 4.229869)  (Midclass 2001 select XGBOOST, accuracy: 1.890716)  (Midclass 2002 select SARIMA, accuracy: 1.928834)  (Midclass 2003 select SARIMA, accuracy: 2.038428)  (Midclass 2004 select ZERO, accuracy: 0.000000)  (Midclass 2005 select SARIMA, accuracy: 2.174667)  (Midclass 2006 select SARIMA, accuracy: 2.473882)  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(Midclass 2313 select SARIMA, accuracy: 0.432341)  (Midclass 2314 select XGBOOST, accuracy: 1.072645)  (Midclass 2316 select SARIMA, accuracy: 1.311450)  (Midclass 2317 select SARIMA, accuracy: 0.688537)  (Midclass 3001 select ZERO, accuracy: 0.000000)  (Midclass 3002 select SARIMA, accuracy: 0.909592)  (Midclass 3003 select SARIMA, accuracy: 0.347974)  (Midclass 3004 select SARIMA, accuracy: 1.011102)  (Midclass 3005 select ZERO, accuracy: 0.000000)  (Midclass 3006 select XGBOOST, accuracy: 2.416071)  (Midclass 3007 select SARIMA, accuracy: 1.092309)  (Midclass 3008 select SARIMA, accuracy: 0.735035)  (Midclass 3010 select XGBOOST, accuracy: 0.495866)  (Midclass 3011 select SARIMA, accuracy: 0.798892)  (Midclass 3013 select SARIMA, accuracy: 3.236000)  (Midclass 3014 select ZERO, accuracy: 0.925820)  (Midclass 3016 select SARIMA, accuracy: 2.806787)  (Midclass 3017 select SARIMA, accuracy: 0.501910)  (Midclass 3018 select SARIMA, accuracy: 2.282177)  (Midclass 3102 select ZERO, accuracy: 0.000000)  (Midclass 3105 select ZERO, accuracy: 0.000000)  (Midclass 3107 select ZERO, accuracy: 0.000000)  (Midclass 3109 select ZERO, accuracy: 0.377964)  (Midclass 3110 select SARIMA, accuracy: 0.843928)  (Midclass 3112 select ZERO, accuracy: 0.377964)  (Midclass 3113 select XGBOOST, accuracy: 0.263659)  (Midclass 3114 select SARIMA, accuracy: 2.088206)  (Midclass 3116 select SARIMA, accuracy: 1.064627)  (Midclass 3117 select SARIMA, accuracy: 1.084333)  (Midclass 3118 select XGBOOST, accuracy: 0.541672)  (Midclass 3119 select SARIMA, accuracy: 0.796244)  (Midclass 3125 select ZERO, accuracy: 0.000000)  (Midclass 3126 select ZERO, accuracy: 0.534522)  (Midclass 3208 select ZERO, accuracy: 0.000000)  (Midclass 3217 select SARIMA, accuracy: 0.437400)  (Midclass 3227 select SARIMA, accuracy: 0.403153)  (Midclass 3311 select ZERO, accuracy: 0.000000)  (Midclass 3316 select XGBOOST, accuracy: 0.265604)  (Midclass 3319 select XGBOOST, accuracy: 1.083829)  (Midclass 3320 select ZERO, accuracy: 0.000000)  (Midclass 3321 select ZERO, accuracy: 0.377964)  (Midclass 3322 select ZERO, accuracy: 0.377964)  (Midclass 3323 select SARIMA, accuracy: 0.705310)  (Midclass 3325 select ZERO, accuracy: 0.000000)  (Midclass 3326 select ZERO, accuracy: 0.000000)  (Midclass 3402 select ZERO, accuracy: 0.462910)  (Midclass 3403 select ZERO, accuracy: 0.377964)  (Midclass 3407 select ZERO, accuracy: 0.534522)  (Midclass 3408 select SARIMA, accuracy: 0.653455)  (Midclass 3413 select ZERO, accuracy: 0.000000)  (Midclass 3415 select SARIMA, accuracy: 1.146716)  (Midclass 3417 select ZERO, accuracy: 0.000000)  (Midclass 3423 select ZERO, accuracy: 0.000000)  (Midclass 3424 select ZERO, accuracy: 0.000000)  (Midclass 3426 select XGBOOST, accuracy: 0.592272)  (Midclass 3431 select SARIMA, accuracy: 1.085403)  (Larclass 10 select SARIMA, accuracy: 4.746204)  (Larclass 11 select SUM, accuracy: 1.679322)  (Larclass 12 select SUM, accuracy: 29.072118)  (Larclass 13 select SARIMA, accuracy: 4.560386)  (Larclass 15 select SARIMA, accuracy: 9.101182)  (Larclass 20 select SARIMA, accuracy: 13.245425)  (Larclass 21 select SARIMA, accuracy: 1.855899)  (Larclass 22 select SUM, accuracy: 21.218876)  (Larclass 23 select SARIMA, accuracy: 5.974582)  (Larclass 30 select SARIMA, accuracy: 8.064308)  (Larclass 31 select SARIMA, accuracy: 5.180750)  (Larclass 32 select SUM, accuracy: 0.838675)  (Larclass 33 select SARIMA, accuracy: 1.926167)  (Larclass 34 select SARIMA, accuracy: 2.197209)  (Predict finished, accuracy: 4.278304)  train set 75 days  test set 14 days  sarima with log function  score 0.1755 | (Midclass 1001 select SARIMA, accuracy: 5.837228)  (Midclass 1002 select SARIMA, accuracy: 0.366143)  (Midclass 1004 select SARIMA, accuracy: 1.575130)  (Midclass 1005 select SARIMA, accuracy: 0.524090)  (Midclass 1099 select SARIMA, accuracy: 0.253536)  (Midclass 1101 select kNN, accuracy: 0.886405)  (Midclass 1102 select SARIMA, accuracy: 1.251373)  (Midclass 1103 select SARIMA, accuracy: 0.198515)  (Midclass 1201 select SARIMA, accuracy: 16.613673)  (Midclass 1202 select SARIMA, accuracy: 4.390584)  (Midclass 1203 select SARIMA, accuracy: 13.635208)  (Midclass 1205 select SARIMA, accuracy: 1.342587)  (Midclass 1301 select SARIMA, accuracy: 1.665809)  (Midclass 1302 select kNN, accuracy: 0.925820)  (Midclass 1306 select SARIMA, accuracy: 0.614782)  (Midclass 1308 select SARIMA, accuracy: 4.072984)  (Midclass 1501 select SARIMA, accuracy: 1.209696)  (Midclass 1502 select SARIMA, accuracy: 0.256677)  (Midclass 1503 select SARIMA, accuracy: 0.354237)  (Midclass 1504 select SARIMA, accuracy: 0.442236)  (Midclass 1505 select SARIMA, accuracy: 4.149918)  (Midclass 1507 select ZERO, accuracy: 0.000000)  (Midclass 1508 select SARIMA, accuracy: 1.072670)  (Midclass 1510 select SARIMA, accuracy: 0.972737)  (Midclass 1511 select ZERO, accuracy: 0.267261)  (Midclass 1512 select SARIMA, accuracy: 0.415125)  (Midclass 1513 select ZERO, accuracy: 0.707107)  (Midclass 1515 select SARIMA, accuracy: 0.742279)  (Midclass 1516 select ZERO, accuracy: 0.000000)  (Midclass 1517 select SARIMA, accuracy: 2.002575)  (Midclass 1518 select SARIMA, accuracy: 3.705156)  (Midclass 1519 select kNN, accuracy: 1.224745)  (Midclass 1521 select SARIMA, accuracy: 4.229869)  (Midclass 2001 select SARIMA, accuracy: 2.214098)  (Midclass 2002 select SARIMA, accuracy: 1.928834)  (Midclass 2003 select kNN, accuracy: 1.945691)  (Midclass 2004 select ZERO, accuracy: 0.000000)  (Midclass 2005 select SARIMA, accuracy: 2.174667)  (Midclass 2006 select SARIMA, accuracy: 2.473882)  (Midclass 2007 select SARIMA, accuracy: 0.999546)  (Midclass 2008 select SARIMA, accuracy: 2.041851)  (Midclass 2009 select kNN, accuracy: 2.449490)  (Midclass 2010 select ZERO, accuracy: 1.488048)  (Midclass 2011 select kNN, accuracy: 4.035556)  (Midclass 2012 select SARIMA, accuracy: 0.648593)  (Midclass 2013 select kNN, accuracy: 1.982062)  (Midclass 2014 select SARIMA, accuracy: 4.724489)  (Midclass 2015 select SARIMA, accuracy: 2.450939)  (Midclass 2101 select ZERO, accuracy: 0.534522)  (Midclass 2102 select SARIMA, accuracy: 0.210817)  (Midclass 2103 select SARIMA, accuracy: 0.800756)  (Midclass 2104 select SARIMA, accuracy: 1.058633)  (Midclass 2105 select kNN, accuracy: 1.414214)  (Midclass 2106 select SARIMA, accuracy: 0.862746)  (Midclass 2107 select SARIMA, accuracy: 0.352747)  (Midclass 2201 select SARIMA, accuracy: 6.172388)  (Midclass 2202 select SARIMA, accuracy: 4.096126)  (Midclass 2203 select kNN, accuracy: 8.647873)  (Midclass 2204 select SARIMA, accuracy: 3.404916)  (Midclass 2205 select SARIMA, accuracy: 2.385780)  (Midclass 2206 select kNN, accuracy: 5.216731)  (Midclass 2207 select SARIMA, accuracy: 3.581646)  (Midclass 2208 select kNN, accuracy: 1.963961)  (Midclass 2209 select SARIMA, accuracy: 1.664681)  (Midclass 2210 select kNN, accuracy: 2.329929)  (Midclass 2211 select SARIMA, accuracy: 0.662472)  (Midclass 2212 select SARIMA, accuracy: 1.399357)  (Midclass 2301 select SARIMA, accuracy: 1.710486)  (Midclass 2302 select SARIMA, accuracy: 0.760018)  (Midclass 2303 select SARIMA, accuracy: 1.707846)  (Midclass 2304 select ZERO, accuracy: 0.534522)  (Midclass 2305 select SARIMA, accuracy: 3.029229)  (Midclass 2306 select kNN, accuracy: 1.253566)  (Midclass 2307 select kNN, accuracy: 2.000000)  (Midclass 2309 select SARIMA, accuracy: 1.149293)  (Midclass 2310 select kNN, accuracy: 1.035098)  (Midclass 2311 select SARIMA, accuracy: 0.872644)  (Midclass 2312 select SARIMA, accuracy: 0.573902)  (Midclass 2313 select SARIMA, accuracy: 0.432341)  (Midclass 2314 select SARIMA, accuracy: 1.181278)  (Midclass 2316 select SARIMA, accuracy: 1.311450)  (Midclass 2317 select SARIMA, accuracy: 0.688537)  (Midclass 3001 select ZERO, accuracy: 0.000000)  (Midclass 3002 select SARIMA, accuracy: 0.909592)  (Midclass 3003 select SARIMA, accuracy: 0.347974)  (Midclass 3004 select kNN, accuracy: 0.925820)  (Midclass 3005 select ZERO, accuracy: 0.000000)  (Midclass 3006 select kNN, accuracy: 1.889822)  (Midclass 3007 select SARIMA, accuracy: 1.092309)  (Midclass 3008 select kNN, accuracy: 0.707107)  (Midclass 3010 select SARIMA, accuracy: 0.547226)  (Midclass 3011 select kNN, accuracy: 0.755929)  (Midclass 3013 select kNN, accuracy: 3.184785)  (Midclass 3014 select ZERO, accuracy: 0.925820)  (Midclass 3016 select SARIMA, accuracy: 2.806787)  (Midclass 3017 select SARIMA, accuracy: 0.501910)  (Midclass 3018 select SARIMA, accuracy: 2.282177)  (Midclass 3102 select ZERO, accuracy: 0.000000)  (Midclass 3105 select ZERO, accuracy: 0.000000)  (Midclass 3107 select ZERO, accuracy: 0.000000)  (Midclass 3109 select ZERO, accuracy: 0.377964)  (Midclass 3110 select SARIMA, accuracy: 0.843928)  (Midclass 3112 select ZERO, accuracy: 0.377964)  (Midclass 3113 select ZERO, accuracy: 0.267261)  (Midclass 3114 select kNN, accuracy: 1.982062)  (Midclass 3116 select SARIMA, accuracy: 1.064627)  (Midclass 3117 select SARIMA, accuracy: 1.084333)  (Midclass 3118 select SARIMA, accuracy: 0.824613)  (Midclass 3119 select SARIMA, accuracy: 0.796244)  (Midclass 3125 select ZERO, accuracy: 0.000000)  (Midclass 3126 select ZERO, accuracy: 0.534522)  (Midclass 3208 select ZERO, accuracy: 0.000000)  (Midclass 3217 select SARIMA, accuracy: 0.437400)  (Midclass 3227 select SARIMA, accuracy: 0.403153)  (Midclass 3311 select ZERO, accuracy: 0.000000)  (Midclass 3316 select SARIMA, accuracy: 0.265842)  (Midclass 3319 select kNN, accuracy: 1.195229)  (Midclass 3320 select ZERO, accuracy: 0.000000)  (Midclass 3321 select ZERO, accuracy: 0.377964)  (Midclass 3322 select ZERO, accuracy: 0.377964)  (Midclass 3323 select kNN, accuracy: 0.462910)  (Midclass 3325 select ZERO, accuracy: 0.000000)  (Midclass 3326 select ZERO, accuracy: 0.000000)  (Midclass 3402 select ZERO, accuracy: 0.462910)  (Midclass 3403 select kNN, accuracy: 0.267261)  (Midclass 3407 select ZERO, accuracy: 0.534522)  (Midclass 3408 select SARIMA, accuracy: 0.653455)  (Midclass 3413 select ZERO, accuracy: 0.000000)  (Midclass 3415 select SARIMA, accuracy: 1.146716)  (Midclass 3417 select ZERO, accuracy: 0.000000)  (Midclass 3423 select ZERO, accuracy: 0.000000)  (Midclass 3424 select ZERO, accuracy: 0.000000)  (Midclass 3426 select ZERO, accuracy: 0.597614)  (Midclass 3431 select SARIMA, accuracy: 1.085403)  (Larclass 10 select SARIMA, accuracy: 4.746204)  (Larclass 11 select SUM, accuracy: 1.534360)  (Larclass 12 select SUM, accuracy: 29.072118)  (Larclass 13 select kNN, accuracy: 4.415880)  (Larclass 15 select SARIMA, accuracy: 9.101182)  (Larclass 20 select SUM, accuracy: 11.994515)  (Larclass 21 select SUM, accuracy: 1.828407)  (Larclass 22 select SUM, accuracy: 20.429317)  (Larclass 23 select SARIMA, accuracy: 5.974582)  (Larclass 30 select SUM, accuracy: 7.697194)  (Larclass 31 select SARIMA, accuracy: 5.180750)  (Larclass 32 select SUM, accuracy: 0.838675)  (Larclass 33 select SARIMA, accuracy: 1.926167)  (Larclass 34 select kNN, accuracy: 1.927248)  (Predict finished, accuracy: 4.221576)  1502: failed to use arima, use kNN instead  2314: failed to use arima, use kNN instead |