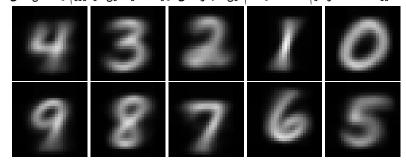
## هوم ورک شماره ۲: تشخیص ارقام دستنوشته با استفاده از میانگین گیری

محمدصادق مغاره دانشکده ریاضیات و علوم کامپیوتر دانشگاه صنعتی امیرکبیر maghareh@aut.ac.ir

	فهرست مطالب
۲	۱ میانگین گیری ارقام
۲	۲ محاسبه فاصله از هرکدام از تصاویر میانگین
۸۳	۳ محاسبه دقت پیش بینی

## میانگین گیری ارقام

در بخش اول خواسته شده تا در هرکدام از پوشه های ارقام که شامل ۴۰۰ عکس از دست نوشته ی عدد میباشد را در پایتون import میکنیم. در قدم بعد عکس ها را به یک سری آرایه ی عددی تبدیل کرده و یک آرایه از جنس array و به سایز ۲۸\*۲۸ خواهیم داشت. از تمام این مجموعه ی آرایه ها میانگین میگیریم و عکس های حاصل را خواهیم داشت.



## محاسبه فاصله از هركدام از تصاوير ميانگين

در زیر لاگ برنامه اجرا شده را میبینیم، که خط اول آی دی تصویر، در خطوط بعدی حد فاصله ی محاسبه شده از تصاویر میانگین به ترتیب از ۰ تا ۹ و خط بعدی مقدار پیش بینی شده و خط بعدی مقدار واقعی و در خط آخر صحیح یا غلط بودن را Image ID: 75 نمایش میدهد.

2029.6462746005768, 1987.9419005594705, [2216.4749039860567, 2166.0992590368523, 1454.6284749034717, 1814.8831918335682, 1818.027502542247, 1823.5948014841456, 1992.4123569181154, 1681.5335262789142

Predict Value: 4 RealValue: 4

True

Image ID: 267

[1502.9028578055204,2341.7843624040192, 1960.8612903517678, 2005.6654755965662, 2075.9041403687215, 1873.284548593726, 2002.6387592374217, 2126.168855006582, 1990.416790524035, 2019.5036518907314

Predict Value: 0 RealValue: 0

True

Image ID: 340

[2197.8180088442264, 1633.5039026583315, 1720.6696370890027, 1863.3424269307025, 1792.1515002923163, 1640.0439018514107, 1571.1317576829767, 1845.5516790380052,

1818.190309071083, 1776.8337007159673

Predict Value: 6 RealValue: 6 True

Image ID: 403

[1800.0241665044389, 2884.945406762492, 2553.66227211039, 2493.2175998095313, 2590.1455557555064, 2263.05656137888, 2489.6566028269845. 2645.6382972734577,

2530.8980619535037, 2621.449026778892]

Predict Value: 0 RealValue: 0

True

Image ID: 341

[2313.4612596713177, 2029.5573408997343, 2561.5358674045538, 2553.084409102057. 2512.7574494964692. 2376.320054201454. 2235.0664419654286. 2679.2618386413824. 2380.0418063555103, 2587.1387670552194 Predict Value: 2 RealValue: 2 True Image ID: 416 [2391.1047655843104, 2423.1089533902514, 2005.788124403971, 2155.6068751050134, 2077.4842959695266, 2136.5701486260637, 2152.938689326754, 2346.5555608167474, 1863.728521002992, 2119.309321453572 Predict Value: 8 RealValue: 8 True Image ID: 154 [2096.374250938987, 1767.6085539507892, 1676.794859247845, 1845.0999972901197, 1702.8305846442856, 1618.0281208928354, 1780.0556171086341, 1728.3801665143, 1534.768060652814, 1724.079754535735] Predict Value: 8 RealValue: 8 True Image ID: 141 [1936.8732534680735, 2895.8299328517205, 2446.434139722547, 2700.043147803383, 2486.142594462353, 2633.987661322657, 2458.683794228123. 2375.4294348601475, 2526.6420403373327, 2561.013861735231 Predict Value: 0 RealValue: 0 True Image ID: 112 [2182.9835088703717, 2002.9687965617438, 1641.9302664851514, 1800.299419541094, 1855.9660557240802, 1891.9912790496683, 1831.9852619494513, 1922.4598825463172, 1933.9744052080937, 1857.46036296875] Predict Value: 2 RealValue: 2 True Image ID: 304 [2277.742303246792. 1989.9022589062006. 2076.9241680908813. 2122.452590754385. 1876.1431182082033. 1953.8208720351004. 2245.5571691675987, 1356.318178009865, 1827.0982458532437, 1620.0024691339208 Predict Value: 7 RealValue: 7 True Image ID: 55 1523.7919805537763.[2232.303518789504, 1758.4996445834158. 1946.551823096421. 1601.9981273397295, 1720.9000552036716. 1709.9315775784714, 1746.9115604403103, 1851.2819882449028, 1666.3321997729024] Predict Value: 1 RealValue: 2 False Image ID: 496 [2396.9887358934334. 2520.2301482205944. 2387.8289302209237. 2561.838012053065. 2426.4150510578356, 2116.48340413999. 2369.714117778767, 2356.423985618887, 2557.1396129269124, 2375.677798018915

Predict Value: 4 RealValue: 4

True

Image ID: 127

2001.497189605821, 1958.3373049605116] Predict Value: 6

RealValue: 6

True

Image ID: 173

 $\begin{bmatrix} 2334.078190635438, & 1572.9748885471759, & 1726.5118012918417, & 1722.7048499380269, \\ 1576.5893568079166, & 1747.2947662028866, & 1904.1654339893894, & 1745.9427252919838, \\ \end{bmatrix}$ 

1692.5138108742274, 1543.415368590063

Predict Value: 9 RealValue: 7 False

Image ID: 625

 $1880.8253507436568,\ 2071.128677798654]$ 

Predict Value: 6 RealValue: 6 True

Image ID: 252

2182.8873081311367, 2251.807940300416]

Predict Value: 6 RealValue: 6 True

Image ID: 150

1787.259634188609, 1949.7192105531503

Predict Value: 3 RealValue: 3 True

Image ID: 5

1830.309809840946, 1751.1778893076512

Predict Value: 5 RealValue: 0 False

Image ID: 104

2110.160657390806, 2115.3713621962456

Predict Value: 4 RealValue: 2 False

Image ID: 229 [1964.8073696930192, 1999.83974357947, 2203.7014316826135, Predict Value: 6 RealValue: 6 True	2184.695859839534,	2040.1671500149198, 1956.7383575736435,	2234.015890722356, 2200.413370255689,
Image ID: 558 [2193.762521331787, 1581.4110787521377, 1737.015831821921, 1 Predict Value: 9 RealValue: 9 True	1765.928367743154, 1654.9525672961145, 1304.5788592492215]	1943.3182961110617, 1910.9837780577834,	1768.8072252226923, 1581.5090894459001,
Image ID: 143 [2276.247570015177, 1637.1188105937822, 1923.7705164597985, Predict Value: 4 RealValue: 4 True	2010.80580862499, 1985.4689622353708, 1835.4092186757698]	1873.9250251811036, 1899.2851286734174,	2275.669132365248, 1952.7293719304782,
Image ID: 329 [2150.5773643373072, 1450.0648261370939, 1852.7895185368466, Predict Value: 4 RealValue: 4 True	1817.7257768981547,	2099.4368292473105, 1862.0698160917598,	2030.3310074960684, 1922.1784516532277,
Image ID: 439 [2169.2261292912735, 1569.606638620008, 1669.5598222286017, Predict Value: 9 RealValue: 9 True	1479.8513438855946,	1939.9092762291746, 1846.4660841726825,	1717.2003377591095, 1511.7549404582742,
Image ID: 414 [2095.303557960039, 2259.3485786836877, 2146.8970632054065, Predict Value: 5 RealValue: 5 True	2402.505358995064, 1844.5679710978395, 2304.822552822668]	2233.2095736853717, 2295.1827813923665,	$1900.2352485942365, \\2348.6166140943483,$
Image ID: 68 [2287.222551480288, 2008.0418322335818, 1670.7725757864234, Predict Value: 1 RealValue: 1 True	$1030.8899068280764, \\ 1719.2553620681251, \\ 1912.2549516212528]$	1758.8140890952632, 1945.830413987817,	1766.8786036397635, 1948.499422632709,
Image ID: 99 [2136.803921748554,	2795.160460510273,	2279.9541662059787,	2017.761135516293,

2650.567486407392, 2083.9800862772177. 2345.7075691569057. 2735.1076761253844. 2254.9179585962765, 2608.8045154821393] Predict Value: 3 RealValue: 5 False Image ID: 317 [2212.7155262256374, 2106.5747079085518, 1894.9311333132928, 2121.9851554617435, 2099.5501899216415, 1957.0401120058832, 1761.3764503932712, 2360.652240377646, 2068.5294293289617, 2201.712515293493] Predict Value: 6 RealValue: 6 True Image ID: 531 [2489.787741957133, 2758.913916743326, 2452.067494992746, 2424.678535393919, 2079.639872670266, 2437.487435865055, 2455.0234214768707, 2512.3140727225964, 2551.6028295955466, 2283.232138876816 Predict Value: 4 RealValue: 4 True Image ID: 152 [2345.815636404532, 1150.3269100564412, 1671.852565270036, 1751.630668834044, 1964.0743366787317, 1781.966610237128, 2017.3839495742995, 1927.8314241655053, 1566.106956756147, 1883.1970157155624 Predict Value: 1 RealValue: 1 True Image ID: 298 [1817.6030919868067, 2209.4225489932883, 1825.4465207176024, 1950.315359115033, 1954.0547587004824, 1895.492811909346, 1927.1808425780907, 2228.1499051904025, 2071.5455582728564, 2083.898030134872] Predict Value: 0 RealValue: 2 False Image ID: 406 [2169.2166788958634, 2175.5941717149362, 1896.6188336089042, 1910.9625846677375. 1976.4807107583924. 1841.588173289566. 2106.111108180193, 2038.238945756851,  $1619.6459489653903,\ 1952.5094109888435]$ Predict Value: 8 RealValue: 8 True Image ID: 160 [2282.23224059253, 1850.3094335813132. 1770.3451640852413. 1869.7868862520136. 1862.8416465174919, 1751.1476237028105, 1407.3737954076025. 2084.4109479658755, 1718.0122234722312, 1858.7571116205581 Predict Value: 6 RealValue: 6 True Image ID: 182 [2262.2530804487815, 1020.4890984229082. 1688.602676771537. 1751.3297804811064. 1748.6194554562178. 1669.6110325462037. 1889.8290928017802, 1695.3984782345417, 1709.6523038325658, 1742.4055211115465

Predict Value: 1

RealValue: 1 True Image ID: 149 [1979.8254973608155, 2142.1125087165706, 2182.6742771196987, 2085.8384405317684. 2097.0660456933633, 2194.930978413672, 2180.562771396412, 1884.68326251389, 2147.9844040402154, 2139.7544251619156 Predict Value: 5 RealValue: 0 False Image ID: 508 [2104.4823591562845, 3305.658028290283, 2796.4481042923003, 2914.6932943278953, 2947.7925639366144, 2777.232075286471, 2762.862464908451, 2972.35647256516, 2826.703026495709, 2937.9979577937083] Predict Value: 0 RealValue: 0 True Image ID: 332 [2229.9614346441062, 2078.608428733031, 1865.6382285963161, 2119.895516293197, 1388.3576628520477, 1953.8510690428786, 1973.4875221292887, 1790.1639589713564, 1921.3250635954344, 1602.0511851997737] Predict Value: 4 RealValue: 4 True Image ID: 674 [2117.759429208143, 2416.643953916257, 2016.6201923019614, 2114.3888005757126, 2109.549240951725, 1990.346452253979, 2153.9628594755295, 2209.886874932742, 1713.9343628038969, 2070.0712548122588] Predict Value: 8 RealValue: 8 True Image ID: 86 [2222.1374844955026, 1893.76344879713, 1958.0063840549653, 1983.4101945891073, 1513.4325224469044, 1803.4708203905047, 1905.8205581848465, 1469.8863901676211, 1741.153927715755, 1337.7290458086047 Predict Value: 9 RealValue: 9 True Image ID: 562 [2172.995628159431, 2042.605933605403, 1963.843170927862, 2123.3532442813184, 1555.6236691436654, 1888.0736214459434, 1929.1524045549122, 1474.06207467664, 1879.1769474958978, 1447.0666881660984] Predict Value: 9 RealValue: 9 True Image ID: 61 [2401.865108618717, 1829.7718437007386. 1786.9851706155819. 2038.7017928083549. 1855.0291102837173, 1970.3426098016557, 2123.3942168142025, 2107.099665416897, 1780.9430086333475, 1974.9936708759346] Predict Value: 8

RealValue: 1 False

Image ID: 24 [2304.6646176830154 2129.7567936269156, 1727.4938494825387, Predict Value: 8 RealValue: 2 False		1817.4132716583754, 2166.01892881849,	1787.2308188927361, 1982.7253970229967,
Image ID: 204 [1645.9507890578018 2421.341983281172, 2362.1016066206803, Predict Value: 0 RealValue: 0 True	5, 2598.4104756562233, 2219.350805979082, 2372.5960465279377]	2211.304140094709, 2354.2087842840106,	2342.4694234930794, 2364.866381003375,
Image ID: 313 [2248.4278952192353 1875.4916688697926, 1619.6691020081848, Predict Value: 1 RealValue: 7 False	· · · · · · · · · · · · · · · · · · ·	1688.795428700587, 2087.178717791076,	1863.4116560760267, 1796.9482463332104,
Image ID: 346 [2153.3738644276336 1729.1217423883143, 1639.0085417715186, Predict Value: 1 RealValue: 6 False		1665.6905474907396, 1576.4510775790031,	1819.7648199698774, 1828.3889083015133,
Image ID: 139 [2174.2771212520265 1676.3740632686965, 1793.1416564231617, Predict Value: 4 RealValue: 3 False	1717.5904634108795,	1728.67319062916, 2007.7813625990257,	1732.9812462920654, 1938.1171275235147,
Image ID: 299 [2328.70479022138, 1777.964285355586, 2136.8565698240022, Predict Value: 4 RealValue: 4 True	2171.647991733467, 2087.00503113912, 1886.879964385652]	1961.0451295164016, 2051.424139469944,	2078.297139487037, 1996.95643417677,
Image ID: 136 [2304.964641811236, 1739.9790228620575, 1897.3065118741358, Predict Value: 7 RealValue: 7 True	1871.6380526159433, 1812.1484486652853, 1490.8749109164055]	2010.648651555015, 2097.119214541701,	1932.7614958913064, 1319.447232745592,
Image ID: 426 [2257.277785298035, 1831.4256741675322,	869.2260925674057, 1664.1649557661044,	1739.1472048104497, 1900.6041144857074,	1698.0076560487, 1676.7021202348376,

1689.1551142509086, 1721.8260655478532

Predict Value: 1 RealValue: 1 True

Image ID: 605

1821.79883631536, 2070.3576985632217]

Predict Value: 3 RealValue: 8 False

Image ID: 399

2204.4446012544745, 2223.4140415136358]

Predict Value: 6 RealValue: 6 True

Image ID: 517

 $\begin{bmatrix} 2138.9193533183993, & 1701.5554648614896, & 2012.468633295933, & 1997.4220885931948, \\ 1927.3227544965061, & 1758.7677504434746, & 1914.7540312008746, & 2067.0522489767886, \\ \end{bmatrix}$ 

1781.6913312917027, 1809.199270395608

Predict Value: 1 RealValue: 8 False

Image ID: 609

1749.140360291306, 1634.9214048387769

Predict Value: 7 RealValue: 7 True

Image ID: 260

 $\begin{bmatrix} 1809.6250992954315, & 2583.1945339056447, & 2200.699661471324, & 2094.9042937566383, \\ 2404.760279113076, & 2157.9385996825768, & 2517.5948840113256, & 2398.8751530665368, \\ \end{bmatrix}$ 

2265.2931377638524, 2386.1707818175964]

Predict Value: 0 RealValue: 0 True

Image ID: 483

1859.3420879440125, 1574.3319218004824]

Predict Value: 9 RealValue: 9 True

Image ID: 185

 $\begin{bmatrix} 2320.053878684717, & 1358.814556884051, & 1658.0832307215462, & 1803.052134576258, \\ 1922.8788313359737, & 1823.6035753419656, & 2037.8854236683671, & 1945.0431871811998, \\ \end{bmatrix}$ 

1579.482826750579, 1934.116852726329]

Predict Value: 1 RealValue: 1

Image ID: 607

Image ID: 67 [2704.7726336977016, 2508.7857620769455, 2418.744922475291. 2209.847958570906. 2272.939946413015, 2278.2267226946487, 2377.6774381736477, 2482.3355937503698, 2325.7241882906064, 2284.999124726309] Predict Value: 3 RealValue: 8 False Image ID: 596 [2418.5787148654063, 2360.734631423024, 2201.0131757897316, 1715.1973647367815, 2404.611818984511, 2058.6201689481236, 2480.0419351293235, 2415.5231317459993, 2076.4664697509565, 2321.123219478018] Predict Value: 3 RealValue: 3 True Image ID: 6 [2253.648819137534, 1692.6901665691805, 1904.9742780415697, 1858.1157122203126, 1683.360329816525, 1774.9487316539596, 2061.412622450925, 1263.8109035769553, 1847.059555076663, 1503.208235741143] Predict Value: 7 RealValue: 7 True Image ID: 114 [1649.6878492611868, 2111.4523437671996, 2458.000203417404, 2251.314282813486, 2430.2508101017065, 2320.4139716869486, 1917.6928846924368, 2203.322718078312, 2248.336718554407, 2316.990289146677] Predict Value: 0 RealValue: 0 True Image ID: 480 [2227.314750995018, 1158.3117024359203, 1670.592409895364, 1740.3413458284556, 1879.6074058164381, 1682.0549931556934, 1960.1382604296055, 1898.468856736923, 1663.2453216528222, 1860.221760973675 Predict Value: 1 RealValue: 1 True Image ID: 256 [2217.7105311559485, 1142.902008047934, 1776.7656007476057, 1719.6944496043475, 1713.2615095191977, 1548.2926080040556, 1764.1743111155429, 1635.4959492459773, 1717.2093640555306, 1629.0303864569255] Predict Value: 1 RealValue: 1 True Image ID: 590 [2170.2559756858177, 943.1903307392416, 1707.5101756651409, 1695.879712715498, 1764.0844650979725, 1583.0120024813457, 1852.2213690593248, 1686.4862881150264, 1725.0724622461516, 1714.521799219829 Predict Value: 1 RealValue: 1 True

[2428.8139080629458 1908.9232567078227, 1770.4324330513152, Predict Value: 6 RealValue: 6 True		1720.1508654766303, 1494.1619724782183,	2095.6955885815096, 2143.8255526045023,
Image ID: 63 [1765.1484356846593 2382.5230324175254, 2432.2744499747555, Predict Value: 0 RealValue: 0 True	2130.6470848078056,	$2366.067412395513, \\2192.1181537499297,$	$2501.623073126725, \\2383.5662357064884,$
Image ID: 123 [2396.032136679306, 1630.9871244126975, 2036.6929076323706, Predict Value: 6 RealValue: 6 True	2079.1385235236253, 1902.25760610912, 1784.6181664434553]	1884.9557023972739, 1596.58980329952,	2070.6672837517863, 1933.5048487138583,
Image ID: 28 [2331.0135134743427 1611.4685848628883, 1666.3228978802397, Predict Value: 9 RealValue: 9 True		2007.86204705403, 1943.614416493148,	1899.542313295495, 1538.0549405011513,
Image ID: 506 [2348.6915506298396 2286.0115922715704, 1689.9295843318444, Predict Value: 8 RealValue: 8 True		2054.1567613013376, 2320.559630778748,	2050.140239105608, 2418.614272677642,
Image ID: 166 [2074.285178079427, 1775.6046857338488, 1484.1735073770856, Predict Value: 1 RealValue: 3 False		1677.0178889922433, 1962.583501408284,	1523.6370958991515, 1633.9430834640477,
Image ID: 291 [2493.2691391023154 2259.8464549610444, 2323.797968843247, Predict Value: 4 RealValue: 4 True	2522.0608636589245,	2615.7100374468114, 2485.687027765161,	2727.0570217727386, 2496.243577858539,
Image ID: 107 [2153.987465144586, 2048.4079183600124, 2142.800970692332,		2086.393059804408, 2069.214102020378,	1844.306644785514, 2289.000873743826,

Predict Value: 3 RealValue: 5 False Image ID: 48 [2008.5285658909609, 1689.6076467629991, 1913.517441780973, 1878.2055265598597, 1702.5251833673415, 1556.0125320832092, 1923.8404299733386, 1394.9688168557748, 1816.8602037581206, 1601.6844258467397] Predict Value: 7 RealValue: 7 True Image ID: 388 [2208.077897176637, 1064.7642931653934, 1767.3211366358973, 1680.6668319449873, 1753.591457552186, 1570.2955135897191, 1784.0322306505564, 1642.1056604250532, 1716.2919332094991, 1632.4429545929008] Predict Value: 1 RealValue: 1 True Image ID: 235 [2075.1272250153725,1940.195350989173, 1795.8541143422535, 1826.17167867646, 1817.6770890342432, 1686.4658312577815, 1647.1605871923964, 1919.692683738728, 1963.4156462654564, 1859.791117303231 Predict Value: 6 RealValue: 2 False Image ID: 187 [2193.175779548917, 2682.7096376611466, 2396.019198587524, 2307.5877014752873, 1864.059280173246, 2155.623807625069, 2235.537742915561, 2272.6282142048663, 2091.73181837443, 1862.7254225999063 Predict Value: 9 RealValue: 9 True Image ID: 57 2118.5152819840596, [2290.201082874602, 2296.6845669355644. 1487.6007528903715, 2194.180940578967, 1942.993823973715, 2334.863165155509, 2129.5731966758035, 1982.3473459512588, 2072.1484020214384 Predict Value: 3 RealValue: 3 True Image ID: 435 [1564.2164172517816, 2605.796615240721, 2086.447459199488, 2097.6872979545833, 2218.7960699442388, 1994.9122787731797. 2125.057646276919, 2388.2633858098648, 2090.58915141163, 2222.5829568319828 Predict Value: 0 RealValue: 0 True Image ID: 634 [1966.4943427327728, 2279.7107272634394, 2002.9608084033996, 2034.5223026548517, 2068.2715005530586, 1865.7641866002252, 1683.3101318533077, 2389.0954355152912, 1961.5514268048137, 2118.3951472754084] Predict Value: 6

RealValue: 6

Image ID: 101 [2557.037934798778, 2061.6663163567473, 1830.0275954203532, 2127.1309315601616, 2399.5616266309976, 2242.6067421641274, 2192.2130370928826. 2542.744973448969, 2122.500647820867, 2419.9646691635808] Predict Value: 2 RealValue: 2 True Image ID: 94 [2171.153380118503, 2029.2937194994715, 2243.784303358948, 2089.4640461132612, 1867.3682015071372, 2002.7957958813474, 2019.2350036585638, 1910.1282679443284, 2204.5722941196555, 1892.1054410365189] Predict Value: 4 RealValue: 2 False Image ID: 259 [2230.8738198293513, 2163.964648509767, 2047.9311511864846, 2027.22544380244, 1851.1674694635276, 1947.4840179061805, 2154.5558707074642, 1206.1538044544734, 1977.354798714687, 1588.9877280835117] Predict Value: 7 RealValue: 7 True Image ID: 355 [2213.187972134315, 2142.620358346294, 1645.044376301138, 2044.4862435340572, 2122.2865028077617, 2077.3415703730575, 2109.4141366739723, 2009.0881016023166, 1907.4341404095712, 2163.8930195367793 Predict Value: 2 RealValue: 2 True Image ID: 281 [2241.033243840885, 1021.0078354253703, 1697.0774879185687, 1685.2456794188793, 1749.5179336034255, 1650.797383084914, 1951.5304250766883, 1643.196579840647,  $1646.6985152115733,\ 1683.642479863228]$ Predict Value: 1 RealValue: 1 True Image ID: 582 [2165.373870720712, 2055.6986646879936, 1871.8242438861614. 2021.124192126748. 1898.0924635011856, 1843.0957652818804, 2048.247299522204, 1689.3037027130438, 1632.3345245383987, 1714.4806793895345] Predict Value: 8 RealValue: 7 False Image ID: 183 [2103.9123080584895, 2528.2705551423883, 2178.677351054993, 2413.458514248795, 2396.755306659401, 2284.1768758132544, 2367.8403662409337, 2329.470540702329, 2424.004331679298, 2409.9379660065943 Predict Value: 0 RealValue: 0 True Image ID: 305 [2125.853946064969, 2289.6715921721175, 2107.8133219049546, 1889.8232721606537,

2022.6749615299043, 1857.6988453460372, 2152.697842243542, 1853.2436429136887. 1841.1949923894535, 1866.8034176098993] Predict Value: 8 RealValue: 9 False Image ID: 131 [2329.992489258281, 2424.564290754114, 2283.0556278811955, 1999.2573621222457, 2112.1316246863025, 2041.9644952838921, 2078.753953694376, 2093.663296712248, 2179.3978526189294, 2078.9009115395565] Predict Value: 3 RealValue: 8 False Image ID: 287 [2214.5505187283493, 1656.5056595134229, 1605.2015449780754, 1776.141041696858, 2131.3960213906753, 1843.706050323641, 1870.0762016559645, 2165.1861351856105, 1911.4497116063503, 2119.1894676974966] Predict Value: 2 RealValue: 2 True Image ID: 96 [2237.585305636413, 902.0437905113033, 1754.0809559424558, 1697.4583941882051, 1806.1326086420122, 1635.6044754157406, 1905.1186314767908, 1674.3640583815695, 1712.1524464836652, 1707.85011051907 Predict Value: 1 RealValue: 1 True Image ID: 151 [1973.6415581356205, 2067.212132317339, 2045.2787096139245, 1899.9978947356758, 2051.4097591656327, 1560.201589538993, 2130.8120517774437, 1968.4394834487546, 1826.038608573214, 1918.918705938321] Predict Value: 5 RealValue: 5 True Image ID: 230 [2123.4490810942466, 1798.150438645221, 1777.1510909317756. 1342.628392370726, 2040.2811080829033. 1666.5401285297633. 2063.67948092721, 1970.7559463312548, 1782.2435299363553, 1980.4105634943478] Predict Value: 3 RealValue: 3 True Image ID: 228 [2198.8499266662106. 1995.6146922690261. 1758.4569940717913. 1688.9843101698725. 2102.718240754096, 1851.1890773230054, 2033.4876444178362, 2140.0429902223927, 1906.8411050740438, 2112.2895161411943 Predict Value: 3 RealValue: 3 True Image ID: 561 [1976.0321353662243. 1758.0591571389173. 1998.1899309124747. 1929.262035079735. 1747.2692980762868. 1562.649992800691. 2029.3274748053848, 1656.716028774998, 1800.4535539691103, 1700.0544108939573] Predict Value: 5

RealValue: 5 True

Image ID: 192

 $\begin{bmatrix} 2306.8608540612067, & 1508.7869299539946, & 1814.8583966800275, & 1789.8050173133386, \\ 1632.4558186977067, & 1684.5020035606963, & 1897.0882952567074, & 1447.0908748243837, \\ \end{bmatrix}$ 

 $1684.7608138842736,\ 1448.9544506298325]$ 

Predict Value: 7 RealValue: 3 False

Image ID: 17

 $\begin{bmatrix} 1600.8963114455603, & 2485.127360921367, & 2177.4436846908347, & 2110.65819118113, \\ 2267.470837739705, & 1906.6921618342064, & 2115.3273978275797, & 2342.005123820185, \\ \end{bmatrix}$ 

2208.205379940915, 2293.794018651195]

Predict Value: 0 RealValue: 0 True

Image ID: 223

 $\begin{bmatrix} 2250.9015971383556, & 1865.0557632414104, & 1858.801764578461, & 1844.9073147451068, \\ 1674.8991014386509, & 1795.5918244411785, & 2048.3732570017605, & 1274.007456807063, \\ \end{bmatrix}$ 

1843.797711247088, 1490.777649416572

Predict Value: 7 RealValue: 7 True

Image ID: 390

1940.9848015891314, 1524.2854063462]

Predict Value: 4 RealValue: 4 True

Image ID: 12

 $\begin{bmatrix} 2252.649329123377, & 886.5585147072921, & 1743.9148488386697, & 1733.8569721865756, \\ 1779.5476953428363, & 1592.591912575221, & 1778.0, & 1715.6654685573176, & 1647.9098883130716, \\ 1779.5476953428363, & 1592.591912575221, & 1778.0, & 1715.6654685573176, & 1647.9098883130716, \\ 1779.5476953428363, & 1592.591912575221, & 1778.0, & 1715.6654685573176, & 1647.9098883130716, \\ 1779.5476953428363, & 1592.591912575221, & 1778.0, & 1715.6654685573176, & 1647.9098883130716, \\ 1779.5476953428363, & 1592.591912575221, & 1778.0, & 1715.6654685573176, & 1647.9098883130716, \\ 1779.5476953428363, & 1592.591912575221, & 1778.0, & 1715.6654685573176, & 1647.9098883130716, \\ 1779.5476953428363, & 1592.591912575221, & 1778.0, & 1715.6654685573176, & 1647.9098883130716, \\ 1779.5476953428363, & 1592.591912575221, & 1778.0, & 1715.6654685573176, & 1647.9098883130716, \\ 1779.5476953428363, & 1592.591912575221, & 1778.0, & 1715.6654685573176, & 1647.9098883130716, \\ 1779.5476953428363, & 1592.591912575221, & 1778.0, & 1715.6654685573176, & 1647.9098883130716, \\ 1779.5476953428363, & 1715.6654685573176, & 1715.6654685573176, & 1715.6654685573176, & 1715.665468573176, & 1715.665468573176, & 1715.665468573176, & 1715.665468573176, & 1715.6654685776, & 1715.6654685776, & 1715.6654685776, & 1715.6654685776, & 1715.6654685776, & 1715.6654685776, & 1715.665468576, & 1715.665468576, & 1715.665468576, & 1715.665468576, & 1715.665468576, & 1715.6654686, & 1715.6654686, & 1715.665468, & 1715.665468, & 1715.665468, & 1715.665468, & 1715.665468, & 1715.66546,$ 

1671.4535590317787] Predict Value: 1 RealValue: 1 True

Image ID: 221

1651.828683610985, 1741.5079672513702

Predict Value: 1 RealValue: 1 True

Image ID: 100

1907.767281405151, 1565.0718833331587

Predict Value: 9 RealValue: 9 True

Image ID: 557 [2010.1313389925544. 2516.4655769551073. 2234.652098202313. 1943.7101121309217. 2521.4434358121143, 1920.1661386452997. 2342.463019985588, 2569.1630933048996, 2142.319770715847, 2466.8672440972578] Predict Value: 5 RealValue: 5 True Image ID: 72 [2497.1485738738093, 2622.7279691191766, 2209.1892177900922, 2599.1548626428553, 2319.609449885907. 2570.2877270842655, 2081.4706339509094, 2563.7460872715146, 2498.6698461381407, 2487.1274595404234] Predict Value: 6 RealValue: 6 True Image ID: 526 [2173.6911004096237, 2497.5435932131395, 2390.1391172900376, 2138.85950917773, 2163.957947835401, 2087.6386181520975, 2420.9927715711997, 2219.0876503644463, 2228.4153562565484, 2100.074046313606] Predict Value: 5 RealValue: 5 True Image ID: 277 [2276.792700269394, 2451.603556858245. 2703.812493498763, 2357.610442800082. 1886.4045165340333, 2264.219733153123, 2238.4539307298687, 2288.541893870418, 2334.636374256171, 2032.3825919348944] Predict Value: 4 RealValue: 4 True Image ID: 408 [2020.6409874096883, 2195.9278221289514, 2142.439264016602, 1992.3636716222268, 1995.2636417275787, 1903.8707939353449, 2146.137693625458, 1616.4216652841546, 2100.082379336582, 1825.9392103791408] Predict Value: 7 RealValue: 7 True Image ID: 164 [2169.736159075568, 1259.5356287140114, 1684.5394029229474. 1759.5249358846836, 1702.6802400920733, 1551.1908328764712. 1749.6353905885649, 1716.5453678828299, 1688.847832103295, 1689.606758982693 Predict Value: 1 RealValue: 6 False Image ID: 224 [2351.8426818135604. 1122.8388130092405. 1718.864741624541. 1773.1404343706113. 2028.8826974470455, 1992.0976381693745, 1784.5727780059854, 1969.6596152635104, 1611.940445550021, 1932.9645625308292 Predict Value: 1 RealValue: 1 True Image ID: 443 [2600.917530411143, 2698.8076997074095, 2570.415530609788, 2354.183722652079,

2581.435453386352,

2624.495951606708,

2438.241169367788,

2435.7834468605784,

2556.166270022355, 2544.035770188776]

Predict Value: 3 RealValue: 5 False

Image ID: 604

 $\begin{bmatrix} 2056.8911006662456, & 2749.4275767875756, & 2301.2185902256224, & 2313.416088817574, \\ 2386.334427526871, & 2180.8885803726885, & 1829.8202097473948, & 2671.913546505575, \\ \end{bmatrix}$ 

2288.9855831787145, 2382.0921476718736]

Predict Value: 6 RealValue: 6 True

Image ID: 77

1702.3689376865404, 1658.4100819761077]

Predict Value: 1 RealValue: 1 True

Image ID: 158

1809.2667022857631, 1403.8383097778747]

Predict Value: 9 RealValue: 9 True

Image ID: 586

2349.9023383962153, 1894.7936563119479Predict Value: 9

RealValue: 7 False

Image ID: 133

1643.9282222773597, 1824.4637568337716

Predict Value: 8 RealValue: 6 False

Image ID: 615

 $\begin{bmatrix} 2127.8999036608843, & 2216.875955032216, & 2036.6320237097325, & 1697.1950388803286, \\ 1896.8028363538474, & 1843.202647567543, & 2055.224318657212, & 2042.2935636190994, \\ \end{bmatrix}$ 

1793.9933110243194, 1798.9463582886513]

Predict Value: 3 RealValue: 3 True

Image ID: 193

1943.8058030574969, 1941.9595773341937]

Predict Value: 0 RealValue: 0

True			
Image ID: 478 [2243.573711737593, 1754.3779524378435, 1701.1787090132536, Predict Value: 7 RealValue: 7 True	1391.9475564833613, 1722.57046299999, 1565.565393076891]	1837.09417287193, 1999.687475582122,	1858.7829351486955, 1343.3197683351495,
Image ID: 266 [2023.3682314398434 2115.858690933778, 2252.3780766114733, Predict Value: 6 RealValue: 6 True	2088.837236359023,	2078.05943129642, 1590.6746996164866,	2364.0579519123467, 2395.0749466352822,
Image ID: 162 [2273.801662414732, 2013.6233510763625, 1864.1287509182407, Predict Value: 8 RealValue: 5 False	$2012.0782787953356, \\ 1894.0786678488305, \\ 2020.5157757364825]$	1967.8043601943766, 2008.4668282050366,	2240.2037853731076, 1994.688697516482,
Image ID: 4 [1898.0534765912155 2946.0461639288683, 2774.304777776687, Predict Value: 0 RealValue: 0 True	2723.61616238412,	2596.782817256769, 2867.536922168571,	2665.6166265988063, 2949.978305004971,
Image ID: 417 [2155.3074026690483 2066.4774375734182, 1998.8801865044338, Predict Value: 3 RealValue: 3 True	, 2118.1244061669277, 1864.5176319895718, 2057.3429466182833]	1930.2222669941407, 2239.4148789360133,	1846.1086100227149, 2063.194852649647,
Image ID: 286 [2030.8825667674632 3089.050177643607, 2810.5291316760977, Predict Value: 0 RealValue: 0 True	, 3183.466820935943, 2697.7501737559023, 3062.5744072593566]	2665.7291685390696, 2916.932464079345,	2760.1411195806636, 3038.0340682750743,
Image ID: 245 [2413.8458940040064 2297.946692158023, 1805.2556605644531, Predict Value: 8 RealValue: 8 True	, 2215.466767974641, 2169.4427856018697, 2213.7700874300385]	1962.4026090484083, 2372.1557706019225,	2154.4324078513114, 2266.6828185699032,

Image ID: 147

[1991.3919754784592, 2095.987118281026, 2322.912180862634, 2056.1855461022965, 2163.086914573707. 1824.9597255830058. 2136.64901188754. 2125.567453646202. 1831.273327496472, 2029.5595581307782 Predict Value: 5 RealValue: 5 True Image ID: 240 [2097.8958506084136, 2674.026551850224, 2028.4597605079575, 2254.217824434897, 2713.8290292500005, 2349.094932096189, 2361.1010143574968, 2648.686844457079, 2407.6571599793856, 2745.281952732724] Predict Value: 2 RealValue: 3 False Image ID: 619 [2155.587622900076, 2551.1042707031793, 2135.50462420478, 1751.8581563585562, 2335.2239721277274, 2082.0288182443587, 2347.791515445952, 2505.3013790759787, 2133.712258014187, 2402.6664354420905] Predict Value: 3 RealValue: 3 True Image ID: 236 [1997.0060090044797, 1660.3885087532979, 1568.7953977494963, 1557.0414252678058, 1955.1516565218158. 1933.4187337460037, 1970.2903339355853, 1641.3887412797737. 1616.7928129479053, 1958.475682769638] Predict Value: 3 RealValue: 2 False Image ID: 424 [2243.4774346981962, 1125.8063776689135, 1822.1029059852794, 1747.014023984925, 1782.638493918495, 1632.2888837457663, 1852.3919671602985, 1674.2335559891278, 1824.0518084747484, 1681.5573139206406 Predict Value: 1 RealValue: 1 True Image ID: 242 [2172.5172036142776. 1963.7876667297817. 1915.7742560124352. 2071.0480438657137. 1641.4700728310584, 1814.5393354788428, 2030.7702972025172, 1505.7801964430266, 1796.863656485934, 1647.229492208053 Predict Value: 7 RealValue: 7 True Image ID: 21 1956.373686185745, [2019.8554403719095, 2108.6870322549053, 2215.3796514367464. 2002.81926293912. 1941.848088806125. 1813.7764470849213, 2196.0430323652586, 2061.7051195551703, 2057.1937196093127 Predict Value: 6 RealValue: 6 True Image ID: 66 [2399.36574952632, 2419.5948007879338. 2126.3381668963193. 2147.0149044661985. 1586.520406424071, 2019.814842999229, 2075.2062548093863, 1961.1468583459016, 2081.842933556708, 1797.8008788517154

Predict Value: 4 RealValue: 4

True

Image ID: 462

Predict Value: 2 RealValue: 2 True

Truc

Image ID: 500

2697.2322851397134, 2748.82702256799]

Predict Value: 6 RealValue: 6 True

Image ID: 247

Predict Value: 2 RealValue: 2

True

Image ID: 381

 $\begin{bmatrix} 2075.4939171194887, & 1541.8047866056195, & 1838.902661915524, & 1891.395252188183, \\ 1923.7109970055274, & 1659.310398930833, & 1995.770026831749, & 1745.486178690625, \\ \end{bmatrix}$ 

1832.144917849022, 1878.0567084089873]

Predict Value: 1 RealValue: 5 False

Image ID: 630

Predict Value: 6 RealValue: 6

True

Image ID: 376

1662.059866551142, 1445.7506700672839

Predict Value: 9 RealValue: 4

False

Image ID: 186

 $\begin{bmatrix} 1885.3318010366238, & 2000.529179992134, & 1909.9858638220337, & 1855.1601009077356, \\ 2009.2389106325809, & 1529.2691064688386, & 1903.8059249829012, & 2065.178684763137, \\ \end{bmatrix}$ 

1586.9146164806725, 1867.0500796711372

Predict Value: 5 RealValue: 5

Image ID: 157 [1636.8775152710725, 2419.538179074676. 2066.0822829693884, 2092.90826363699, 2175.906477769667, 1859.184767579597, 2016.3677739936234, 2296.8641666411186, 2129.462843066298, 2220.7719378630486 Predict Value: 0 RealValue: 0 True Image ID: 584 [2366.5428371360617, 1863.749178403575, 1070.4485041327302, 1743.941512780747, 1959.2115761193327, 1721.849877312189, 1938.7279334656525, 1809.914362614983, 1632.9369246850902, 1771.096552986313 Predict Value: 1 RealValue: 1 True Image ID: 490 [2403.2301179870396, 2646.0015117153657, 2290.2172386042334, 2458.8883667218406, 1834.8509476249017, 2413.9422114044073, 2225.628899884255, 2271.3696308615204,2469.859712615273, 2122.2009801147487] Predict Value: 4 RealValue: 4 True Image ID: 302 [2247.176673072235, 2523.148430037361, 1736.6793025771915. 2356.2321617361904. 2270.8874917089133, 2266.0002206531226, 2047.6186168327342, 2467.7986141498664, 2127.638832132935, 2346.1609066728565] Predict Value: 2 RealValue: 2 True Image ID: 117 [2246.256441281805, 1792.716095760843, 1770.5174384907932, 1956.2788656017322, 1952.0391901803612, 1879.465881573805, 2132.3477671336823, 1779.4181633331723,  $1674.2090669925306,\, 1819.5774234695264]$ Predict Value: 8 RealValue: 7 False Image ID: 446 [2258.771790154995, 2418.94129734477. 1996.230948562816. 2246.694238208662. 1632.2680539666271, 2105.985754937578, 2063.5069663076015, 1958.798866652725, 2108.607597444342, 1847.1009717933669 Predict Value: 4 RealValue: 4 True Image ID: 535 2189.6652712229784,[2476.764825331626, 2501.6360646584867, 2300.852668034179, 1907.256406464532, 2278.7281540368085, 2263.3830873274633, 2033.192317514504, 2300.003043476247, 1894.8904981555004] Predict Value: 9 RealValue: 9 True Image ID: 248 [1882.374564214041, 3107.7572299006883, 2386.8464550531944, 2719.865254015353,

2865.587374344045, 2663.2115950483544, 2522.4145178776625, 2862.15321043441, 2697.099553223796, 2859.2460544696046] Predict Value: 0 RealValue: 0 True Image ID: 144 [1990.0479893711106, 1589.6433562280565, 1793.045175114113, 1902.3574848066805, 1654.5585513967162, 1517.7763339833705, 1840.9182491354688, 1643.058732973353, 1801.3797489702165, 1659.0054249459222] Predict Value: 5 RealValue: 5 True Image ID: 115 [2417.125358768138, 2350.662885230462, 2099.370143638325, 2106.7937725368374, 1638.0085469862481, 2076.0484098401944, 2161.6290153493037, 2048.757184246098, 2214.9214433022225, 1825.166019845866] Predict Value: 4 RealValue: 4 True Image ID: 618 [2030.7663578068257, 1557.441812717252, 1726.3018276072119, 1571.6154109705085, 1765.0096317017649, 1430.964010728432, 1875.4516789296385, 1800.5868487801415, 1367.6154430248293, 1613.5284317296673 Predict Value: 8 RealValue: 8 True Image ID: 62 [2145.0820497127843, 2357.13724674657, 2271.925394901866, 2379.615094926068, 1951.6157408670385, 2113.465164132118, 2311.354581192596, 1941.2732934854896, 2082.49777911046, 1869.7168234788926] Predict Value: 9 RealValue: 5 False Image ID: 505 [2435.9460174642622, 2355.220584149179, 1863.0230809090906. 2187.328050384761, 1756.4213617466623. 2052.6434176446724. 1508.6159219629096, 2079.8947088735044, 1866.112804736091, 1852.4624152732492Predict Value: 6 RealValue: 6 True Image ID: 333 [2093.671416435731. 2130.5733969990333. 2006.3663673417175. 1518.1077036890367. 2240.730014972799, 1715.2988077883108. 2086.237043099369. 2299.743246538622, 1970.7029202799695, 2215.5613284222127] Predict Value: 3 RealValue: 3 True Image ID: 503 [1855.3342017005994. 1990.8766913096351. 1852.8278387373177. 1552.834827017993. 1855.2757207488055. 1515.18612718042. 1858.1609187581143, 1938.0479870219933, 1800.875065072533, 1850.8038793994353 Predict Value: 5

RealValue: 5 True Image ID: 23 [1863.023617671016, 2872.24337408932, 2504.9489016744433, 2503.6193800176575. 2472.800234551914. 2760.6615149271743, 2754.2922865955966, 2642.5828274625565, 2547.5751215616783, 2655.8936349183864 Predict Value: 0 RealValue: 0 True Image ID: 80 [2235.0297537169386, 1645.2133600235563, 1861.5853458813, 1896.0883418237663, 1819.784327880642, 1700.6710440293855, 1952.9938555970932, 1816.7143418820692, 1862.438186893729, 1860.2284805904892 Predict Value: 1 RealValue: 5 False Image ID: 84 [2075.11108136408, 1750.2556956056449, 1464.7894046585673, 1681.6257015162441, 1900.5622852198242, 1763.7034898190796, 1873.265330912842, 1760.8523504257817, 1756.4173763658796, 1864.6849599865388] Predict Value: 2 RealValue: 2 True Image ID: 227 [2195.2416723449837, 2160.2951187279946, 1885.5439533460894, 2023.0311416288184, 1849.4304528692069, 1849.367459430386, 1293.1121374420704, 2166.665410256046, 1915.5803298217488, 1903.2377675950002 Predict Value: 6 RealValue: 6 True Image ID: 50 [2132.4617229859014, 1769.1229465472431, 1851.641163940789, 1775.5083779019462, 1574.4376773946944, 1618.8906695635749, 1943.9907407186897, 1335.9730536204688, 1839.8138492793232, 1389.084230707411] Predict Value: 7 RealValue: 7 True Image ID: 207 [1966.3710229760811, 2343.631370331094. 1835.8455817415581, 2167.009921527818. 2039.8889675666173,2170.760696161601, 2008.2733877637277, 1989.9462304293552, 1967.808171545184, 2037.5291408959038 Predict Value: 2 RealValue: 2 True Image ID: 386 [1959.5417831727907, 2226.106241849207, 2147.267100292835. 2103.3247490580243, 1822.4661862432456, 1856.5101669530388, 2158.098931930601, 1456.6561021737423, 1992.290641447678, 1604.6987256179896 Predict Value: 7

RealValue: 7

Image ID: 81 [2258.1966256285123 1528.7180904274012, 1991.3045974938138, Predict Value: 4 RealValue: 4 True		2106.5711476235497, 1896.0835952035447,	2187.4946857078303, 2013.2518471368653,
Image ID: 125 [2049.428212941356, 1841.8363119452283, 1851.1979904915627, Predict Value: 3 RealValue: 5 False	1994.2875920989932, 1753.935004497031, 1873.0712746716288]	1746.377965962695, 1785.9084523009572,	1710.7077482726265, 2089.2455576116467,
Image ID: 8 [2043.588510439418, 1832.8734271629341, 1760.8111767023743, Predict Value: 5 RealValue: 5 True	2253.747767608434, 1596.234318638714, 1749.9765712717412]	2102.904182315495, 1979.1879647976843,	1694.1378338258078, 2057.108893568836,
Image ID: 292 [1474.210975403453, 2121.971488969633, 1951.0294718430064, Predict Value: 0 RealValue: 0 True	2494.70539342825, 1817.2093990511935, 2127.7199063786566]	2008.2415193397433, 1940.069844103557,	1939.5558769986494, 2298.823394695643,
Image ID: 485 [2169.9748846472853 2058.234194643554, 1593.6125627014867, Predict Value: 8 RealValue: 8 True	1808.9878385439742,	1724.699684002986, 1905.730306208095,	1842.1243171946892, 2212.5984723849015,
Image ID: 234 [2177.6914381977995 1821.819694700878, 1698.6806645158472, Predict Value: 1 RealValue: 3 False	5, 1458.211575869565, 1526.5745969326229, 1676.5774661494172]	$1835.18445939366, \\1912.6596665376724,$	1509.5479455784105, 1692.5634404653788,
Image ID: 120 [2334.448971384896, 2039.6717873226564, 2344.4082409000357, Predict Value: 4 RealValue: 7 False	2263.497956703297, 2089.12565443058, 2110.5833316881854]	2324.8152614777805, 2285.119909326423,	2190.645795193737, 2056.4515554712198,
Image ID: 35 [2188.2367330798556 1763.0754379776267,		1783.7483006298842, 1740.454825613121,	1759.8820983236349, 1766.2160117041176,

1728.3471873440244, 1721.8025438475806

Predict Value: 1 RealValue: 1 True

Image ID: 637

1947.9997433264718, 2140.2805890817212]

Predict Value: 3 RealValue: 8 False

Image ID: 473

2246.631923569146, 2291.2134339689965]

Predict Value: 2 RealValue: 2 True

Image ID: 191

1973.515644731503, 1887.3272106341285

Predict Value: 5 RealValue: 1 False

Image ID: 611

Predict Value: 8 RealValue: 8 True

Image ID: 477

2363.158691243565, 2491.4551972692584] Predict Value: 2

RealValue: 2
True

Image ID: 217

2125.261866217902, 2077.5581820974353]

Predict Value: 5 RealValue: 6 False

Image ID: 358

2520.0170634342935, 2115.2886327874976]

Predict Value: 7 RealValue: 7

True			
Image ID: 470 [2143.46565169587, 1824.3475546068519, 1703.3152967081578, Predict Value: 3 RealValue: 3 True	1639.3004605623705, 1639.869202101192, 1748.5751342164283]	1642.435691282919, 1950.0271792977655,	1441.8404904842976, 1763.2725257316295,
Image ID: 194 [1953.570065290723, 1952.9907833883908, 1700.5328576655024, Predict Value: 6 RealValue: 6 True	2105.1653141736874, 1694.5011065207364, 1995.7595045495837]	1798.2586020925912, 1616.5472464484296,	1921.0635075395087, 2207.240584983884,
Image ID: 307 [2215.256418566483, 1443.1437904796596, 1673.7965826228706, Predict Value: 9 RealValue: 9 True	1679.0681939695005, 1529.5996208158526, 1287.7736602369223]	1813.6154498680253, 1722.3309786449292,	1729.072583785886, 1589.417503364047,
Image ID: 418 [1576.7279410221663 2269.7154006615015, 1996.2587507635376, Predict Value: 0 RealValue: 0 True	1931.3842186369857,	2094.7570264830238, 2072.0226832735207,	2015.2166136671265, 2324.2512772933997,
Image ID: 589 [2022.2697643984097 1728.9089044828245, 1887.4551650304174, Predict Value: 5 RealValue: 5 True	, 1819.2734813655698, 1577.5541195153971, 1814.1237554257427]	1925.2976393274885, 1967.8795694858973,	1915.3135513539291, 1864.0595484050395,
Image ID: 672 [2122.183309707246, 1892.4151235920729, 1573.7680896498061, Predict Value: 8 RealValue: 8 True	1981.4148985005638, 1641.7783041568066, 1828.8504586214806]	1862.589058273456, 2013.4187343918304,	1808.088216874387, 2007.2959423064651,
Image ID: 497 [2248.212400997735, 1765.1277574158762, 1713.3513941979327, Predict Value: 1 RealValue: 1 True	913.3991460473345, 1607.6619669569843, 1648.4183328269557]	1753.5258766268605, 1805.2584302531313,	1685.8232410309213, 1629.2808229399866,

Image ID: 465

[2344.830057808028, 2287.982735948853, 2139.241921803142, Predict Value: 2 RealValue: 2 True	2512.7031261173693, 2287.5458465351026, 2319.6301429322734]	1679.1354918528762, 1932.6435263648596,	2336.0074914263437, 2428.3605580720505,
Image ID: 494 [2294.369630203468, 1545.6134704381946, 1953.6007780506231, Predict Value: 4 RealValue: 4 True		2146.5162473179653, 2057.4078351168005,	2277.910226501475, 1951.4228142563056,
Image ID: 109 [2084.9985611505826 1879.6494354001227 1898.798304191364, Predict Value: 6 RealValue: 6 True		1771.8665299621189, 1240.9383546332992,	2098.800133409563, 2159.0775808201056,
Image ID: 175 [2172.299703079665, 1708.6512224558878 1604.7535636352393 Predict Value: 9 RealValue: 8 False		1791.8604856405534, 1871.096737210559,	1796.0264474667404, 1707.0205036847096,
Image ID: 159 [2503.456011197321, 2231.2505462184204 2467.766196380848, Predict Value: 6 RealValue: 6 True	,	2205.556165687013, 1905.3180836805177,	2596.0760774676846, 2662.407744880562,
Image ID: 401 [2210.112893044154, 1858.0473621519986 1654.8193254854139 Predict Value: 1 RealValue: 1 True		1683.1437847076525, 1851.6214515931706,	1707.3927491939282, 1821.8726629487583,
Image ID: 337 [2197.9931756036003 2028.0500486920928 1804.1529868611476 Predict Value: 8 RealValue: 8 True		2042.3089873963734, 2130.6564716068146,	$2256.9884802541637, \\2074.0219381674824,$
Image ID: 339 [2119.3579216357016 1662.047231579175, 1718.532513512619,	1685.0471803483724,	$1919.1039575802035, \\1979.9643936192388,$	1938.214900365798, 1235.2566534935158,

Predict Value: 7 RealValue: 7 True Image ID: 45 [2165.11362288449, 1864.1032696715063, 2027.0308335099394, 2136.7564203717748, 1895.8982040183487, 1737.8788795540383, 1466.0634365538212, 2206.3014299954575, 1810.2991465500943, 1893.7040423466387] Predict Value: 6 RealValue: 6 True Image ID: 197 [2452.8984895425247, 2475.691418573809, 2340.199777796759, 2343.9488049016772, 2229.939012618955, 2132.496893315439, 2285.3275476395065, 2310.9984855036146, 2219.095085840172, 2162.7984187159004] Predict Value: 5 RealValue: 8 False Image ID: 583 [1985.1105762652114, 2490.7410543852207, 2182.3913489564607, 2128.9854391235276, 2152.6033076254434, 1800.1886012304378, 1997.8318247540258, 2398.6906845193694, 2171.137029300546, 2211.2751977083267 Predict Value: 6 RealValue: 6 True Image ID: 481 [2240.854970764507, 1673.2704503456696, 1741.0924731328892, 1357.9933725906028, 1799.6671914551312, 1648.496587803566, 2029.9847290066002, 1829.8065471519114, 1579.0937274272228, 1672.9964136243689 Predict Value: 3 RealValue: 3 True Image ID: 60 1893.3607685805682, [2388.505809078136, 1840.8568657014048, 1891.1448913290594, 2044.1112983396965, 1854.1569512854082, 1745.2097295167707, 2042.9955947089068,  $2002.8185139947154,\ 2000.1004974750645]$ Predict Value: 6 RealValue: 1 False Image ID: 598 [2306.527476532634, 991.4645732450555, 1761.7914178471865, 1743.7769352758396, 2023.2671598184952. 1718.991273974362, 1894.395945941608, 1900.9650180894967, 1604.5102056390915, 1876.1170006158998] Predict Value: 1 RealValue: 1 True Image ID: 20 [2109.652104020945, 1757.0543531718079, 1700.5055130754502, 1814.015711067575, 1841.5865442601387, 1627.911545508539. 1960.9739926883274, 1876.4016094642427, 1411.6040521336001, 1737.3278331967172] Predict Value: 8 RealValue: 8

Image ID: 102 [1981.8087697858236, 2196.949475977998, 2186.973250865223, 2229.0897245288265, 1816.6290210166742. 1941.3418040108238, 2139.385659482647, 1588.552485755507, 2098.409874166627, 1692.9819845467937] Predict Value: 7 RealValue: 7 True Image ID: 10 [2346.379125375948, 2529.6865418466377, 2386.957687098789, 2334.3418772750492, 2255.602801913493, 2124.839993976017, 2447.4476501040836, 2211.0345994579097, 1912.4494764568292, 2106.355857873973 Predict Value: 8 RealValue: 8 True Image ID: 219 [2103.6706015914183, 2026.0688537164772, 1901.8533066459147. 1492.969189233321, 2014.6461227719374, 1745.5497701297434, 2122.2636499737728, 1892.7944949201433, 1759.1878808131894, 1822.2365378841464] Predict Value: 3 RealValue: 3 True Image ID: 411 [2226.477486973538, 2134.998126462878, 1839.4705760082165, 1775.0495767724349, 2014.8630226395044, 2020.9787232922567, 2205.9834541537252, 1852.732036750053, 1631.5618284331122, 2059.1216574063806] Predict Value: 8 RealValue: 8 True Image ID: 349 [2165.7218196250415, 2299.5490862340816, 1906.1959500534042, 2085.5828921431053, 1773.8827469706107, 1975.552327831384, 1964.2504931907233, 2070.6076402834024,  $1933.9873319130093,\ 1739.4019087031036]$ Predict Value: 9 RealValue: 9 True Image ID: 22 1877.136116534973. [2214.4947505017935, 1650.8655305626803. 1673.762826687222. 2317.3044685582427, 1942.1490673993076, 2167.060682122215, 2314.2666224962068, 1771.0112930187656, 2275.7291139325] Predict Value: 2 RealValue: 2 True Image ID: 370 [2303.4272291522475,1842.7891903307877. 1829.9423488186724, 1995.8261447330526, 2209.3134680257576, 1942.4631270631626, 1928.8919098798667, 2280.738915351777, 2056.0201847258213, 2181.378234052958] Predict Value: 2 RealValue: 2 True Image ID: 128 [2115.4829235897887, 2080.3622280747168, 1947.5569311319246, 1890.3705985864253,

2007.7945612039096. 1771.473962552089, 1909.6677721530518, 2131.908769155003. 2023.6096461521427, 2020.6800835362335] Predict Value: 5 RealValue: 5 True Image ID: 427 [2145.010023286605, 2019.9987623758584, 2157.304336434709, 2116.5682129333795, 1803.4342239183552, 1692.546602017209, 2071.9080578056546, 1792.0644519659443, 1884.0743085133347, 1769.4117666614518] Predict Value: 5 RealValue: 5 True Image ID: 264 [1664.7083828707057, 2664.797365654657, 2346.447527646847, 2432.8392877459046, 2467.5155521293073, 2078.6240641347345, 2194.8605878278463, 2617.0974380026432, 2328.2916483980266, 2476.2108149347864] Predict Value: 0 RealValue: 0 True Image ID: 323 [2226.5473271412848, 2092.2882210632456, 2078.460247394691, 2002.4305231393173, 1610.805388617756, 1863.3644302712232, 2082.2699152607474, 1682.5213223017413, 1801.248178347448, 1471.3058825410847 Predict Value: 9 RealValue: 9 True Image ID: 533 [2233.0051500164527, 2619.5352641260624, 2251.1445977546623, 2012.0236082113947, 2433.9562444711287. 1903.044928529014, 2277.4896267601307. 2619.8875930085246, 2021.2298236469796, 2371.1503537312856] Predict Value: 5 RealValue: 5 True Image ID: 374 [1939.1057217181326, 2128.903943347374. 1790.3912980128116. 2093.691954419274, 1846.3732017119398. 1914.219684362273. 1472.6771540293548, 2037.5740477342167, 2003.9009456557478, 1890.540927882811] Predict Value: 6 RealValue: 6 True Image ID: 19 [2402.518470272393. 2774.6913341847594. 2282.434007808331. 2325.200206433846. 2428.41882713835, 2325.5208018850317. 2132.693601997249, 2802.703337850797. 2344.732180868425, 2562.0364946659133 Predict Value: 6 RealValue: 5 False Image ID: 573 [2454.3913705845694. 2142.679164037397. 2162.852976972776. 2114.6016173265357. 1754.4930891855915. 2033.972222032543. 2152.9681836943155, 1938.1903931244733, 1984.3747125984044, 1826.5078702266794] Predict Value: 4

RealValue: 7 False Image ID: 91 [1962.1317488894572, 2229.8627760469926, 1871.7139204483146, 2257.0175010398125, 1596.8105711072933, 2132.8225430166476, 1984.1048359398753, 1953.560595425696, 2121.196124831459, 2020.7273442995718] Predict Value: 6 RealValue: 6 True Image ID: 461 [2077.7798247167575,1648.332490731163, 1657.3493898390889, 1620.0506164932008, 1800.2044328353377, 1583.106755718009, 1916.6778550398083, 1809.2689131248567, 1417.864944203079, 1692.9710570473437 Predict Value: 8 RealValue: 8 True Image ID: 258 [2170.451105185279, 2586.5252753452846, 2128.7888575431807, 2303.2670275067976, 1614.4190905709706, 2095.274206398771, 1978.9757451772873, 2072.860101405785, 2077.324240459346, 1799.0764297272087] Predict Value: 4 RealValue: 4 True Image ID: 196 [1807.584022943332, 2566.6844371679194, 2082.0999015417106, 2077.6782715329146, 2198.704391226797, 2046.0190614947849, 2006.6546788124756, 2312.604808435717, 2153.798040671409, 2140.0219625041236] Predict Value: 0 RealValue: 0 True Image ID: 142 [2111.003789669739, 1479.3370136652431, 1726.8303332985554, 1412.6471604756794, 1957.2286529682729, 1612.5194572469507, 1945.4269454286891, 1842.9975583271944, 1734.5497974978982, 1845.2682731787268] Predict Value: 3 RealValue: 3 True Image ID: 171 [2062.329750549121,1767.9561646149489. 1772.1963773803398, 1725.8479075515315, 1808.244729012088, 1606.192391963055, 1967.3502484306143, 1776.1652513209463, 1469.593821435025, 1611.9503714444809 Predict Value: 8 RealValue: 8 True Image ID: 629 [2141.7506857708718, 2452.3472429490894, 1857.7335653962868, 1838.9679170665268. 2223.8864629292566, 1980.5812278217725, 2064.4875877563422, 2314.9438438113352, 1603.3726952895263, 2144.455641882107 Predict Value: 8 RealValue: 8

Image ID: 602 [2120.9365855678006. 1983.3085992855474. 1895.690375562423. 1702.2652554757733. 1626.2263065145637, 1912.6648948522059, 2006.9840557413504, 2043.279471829539, 1904.389140905818, 1976.336509807983] Predict Value: 5 RealValue: 5 True Image ID: 456 [1859.2216113201782, 2218.2713990853326, 2097.574074973277, 1505.4308353424942, 2214.5157484199567, 1560.0131409702933, 2050.297051648858, 2135.665704177505, 1780.5614283141147, 2018.111741207607 Predict Value: 3 RealValue: 5 False Image ID: 338 [2260.176762998859, 2276.9958278398317. 2144.8219040283975, 2093.099137642553, 1558.9239878839508, 1922.7654563154601, 2054.977372138195, 1676.174215289091, 1849.4445111978894, 1377.101666544631] Predict Value: 9 RealValue: 9 True Image ID: 528 [2306.136162502119. 2116.160201875085. 2041.3517580270188. 1944.3320189720685. 2077.259011293488, 1924.4988958167785, 2264.3367682392122, 1924.4934398433268, 1902.8494422838608, 1960.027040629797] Predict Value: 8 RealValue: 8 True Image ID: 345 [2002.355612772117,2045.5495594094023, 1998.6415386456872, 1611.2060699984966, 2014.2549491064929, 1529.5731430696605, 1960.1318833180587, 1970.7270232074254, 1789.3769865514646, 1883.5254179330843] Predict Value: 5 RealValue: 5 True Image ID: 325 [2280.12104941821, 2293.4055463436903. 2298.104871410354, 2185.1812281822304, 2006.0645552922767, 2052.9403303554636. 2242.3253555182396, 1859.2694801991454, 2305.690785860064, 1977.5044879847935] Predict Value: 7 RealValue: 7 True Image ID: 211 [2220.218908125953, 1673.573721112996, 1955.258550678145. 1663.0096211387354. 1637.9685589168066, 1844.1819324567737, 1503.4174403671125, 1643.451550852656, 1649.2113266649608, 1382.3885126837536] Predict Value: 9 RealValue: 9 True Image ID: 366 [1707.6703428940846, 2561.8499175400575, 2070.4081723177196, 2008.82478081091, 2346.5951930403335,2201.1562870455155, 2078.4662614533822, 2222.8191559368925,

2171.2811886073164, 2228.911393483375]

Predict Value: 0 RealValue: 0 True

Image ID: 184

 $\begin{bmatrix} 2307.7811854679812, & 2154.9243606215045, & 2168.3104021334216, & 2126.8124035748897, \\ 1695.0383476488075, & 1911.0405542531012, & 2064.248773767348, & 1924.5646260907945, \\ \end{bmatrix}$ 

1862.8751971079544, 1785.8404184024955]

Predict Value: 4 RealValue: 4 True

\_\_\_\_\_

Image ID: 520

2244.438905383704, 2083.150018601637]

Predict Value: 4 RealValue: 9 False

Image ID: 580

1881.2692523931814, 1923.230615396916

Predict Value: 1 RealValue: 5 False

Image ID: 88

 $\begin{bmatrix} 2007.9653881479132, & 2048.094724371898, & 1965.668079814087, & 1898.8222665641986, \\ 1451.5254045313848, & 1675.363542637836, & 1843.7944570911368, & 1572.7428270381652, \\ \end{bmatrix}$ 

1858.6422463723352, 1319.659425761056

Predict Value: 9 RealValue: 9 True

Image ID: 334

2202.4073192758874, 2298.4677504807414]

Predict Value: 3 RealValue: 3 True

Image ID: 243

1695.623779026468, 1951.5496406702034

Predict Value: 5 RealValue: 5 True

Image ID: 620

 $\begin{bmatrix} 2189.1546313588724, & 1493.7064638007027, & 1758.5829522658294, & 1830.2155610747056, \\ 1758.5963152469074, & 1742.4890243556772, & 1999.5256937583972, & 1398.5860717167177, \\ \end{bmatrix}$ 

1662.008423564694, 1558.6102784211325]

Predict Value: 7 RealValue: 7

True			
Image ID: 385 [1820.4452752005484, 2186.181145285084, 2070.907771968612, 2 Predict Value: 5 RealValue: 5 True	1783.1923620294026,	2215.8273849738384, 2095.142477255425,	1897.0724814829823, 2233.8451154903287,
Image ID: 11 [2184.4939917518655, 1727.2339158319003, 1661.5396474354743, Predict Value: 9 RealValue: 9 True	1704.5697404330513,	1991.9533127058978, 1981.5375343404423,	1944.7470272505882, 1675.115816891477,
Image ID: 167 [2072.3976452408933, 1942.2844796785048, 1576.390180126735, 1 Predict Value: 3 RealValue: 5 False	1502.474625409694,	1855.5662208608994, 1979.2915399202816,	1500.82210804612, 2126.222707055872,
Image ID: 467 [2301.273125902269, 1638.9963392271504, 1606.8049041498473, Predict Value: 9 RealValue: 4 False	1455.0288656930488, 1573.7795271257025, 1446.2067625343204]	1915.3370460574295, 1918.2630163770557,	1715.3183378020535, 1567.0976357585382,
Image ID: 289 [2327.723780864044, 1702.1559858015364, 1803.5187828242877, Predict Value: 6 RealValue: 6 True	1849.2776968319279,	1790.0363124808391, 1455.76406055377,	2010.8189873780286, 1884.5782021449786,
Image ID: 108 [1559.9128180767027, 2320.553166811741, 2142.0802972811266, Predict Value: 0 RealValue: 0 True	2826.635632691274, 2149.8697634973146, 2266.8687655001117]	2254.986917922142, 2094.4610285226127,	2287.0603402621455, 2415.3792662851106,
Image ID: 447 [2239.5908108402305, 1955.900304207758,	2102.0038058956984, 1907.595082820251,	1857.397372669618, 1367.9890350437754,	2093.990926436884, 2208.5963868484437,

1955.900304207758, 1907.595082820251, 1912.1351939651129, 1979.3294319036436] Predict Value: 6 RealValue: 6 True

Image ID: 233

[2350.6607581699236, 1685.3459585497571, 1456.1414766429807, 1878.570999456768. 1686.0874829023553. 1832.3449456911762. 1703.7244495516286. 1797.5096661770694. 1647.3639549292075, 1685.638751334342 Predict Value: 2 RealValue: 2 True Image ID: 448 [2218.9418649437393, 2025.4476048518263, 1978.2838522315244, 1942.5570776685045, 1430.6795588111268, 1694.2718199863916, 1747.1737177510427, 1640.2512002739093, 1706.6097972295834, 1399.6988961916059 Predict Value: 9 RealValue: 4 False Image ID: 241 [2353.2347949152886, 2525.97604897592, 1701.0608454726128, 2328.4112609244958, 2302.91619474092, 2317.641473567471, 2175.5888857962113, 2553.0634539705434, 2126.078549818891, 2455.4804010620815 Predict Value: 2 RealValue: 2 True Image ID: 380 [2327.0874500112795, 1283.9957165037583, 1644.444587087081. 1817.4600408262074, 1850.1759375799913, 2003.1557602942414, 1814.4599747583302, 1797.8387024424633. 1644.2086242323387, 1867.740345979601] Predict Value: 1 RealValue: 1 True Image ID: 122 [2076.4645434006334, 2312.979463808531, 2006.500685272746, 2240.593225018767. 1549.1520261097683, 1931.4862153274612, 1827.1305372085487, 1777.8875105022814, 1981.7060831515857, 1679.0345440162928] Predict Value: 4 RealValue: 4 True Image ID: 2 [2249.5012780614284. 1047.0171918359315. 1807.689685759146. 1771.57302982406. 1637.1340812529681, 1856.1931472775132, 1799.2373384298137, 1706.6596028499648, 1736.2257917678794, 1740.6113868408422 Predict Value: 1 RealValue: 1 True Image ID: 293 2126.6878003129655. [2460.7153431471916, 2000.2082391591132. 1914.4153154422893. 1916.0947262596387, 2109.1889436463484. 2036.4319286438229, 1784.3758012257395, 1986.005035240344, 1810.4921982709564] Predict Value: 7 RealValue: 7 True Image ID: 0 [2317.406524544194. 1481.7800106628515. 1768.049490257555. 1829.7262090269135. 1940.2443145129946, 1782.4929172369802, 2129.519194560124, 2062.728290395999, 1723.5843466450954, 1990.9110979649492]

Predict Value: 1 RealValue: 1 True Image ID: 537 1823.3746186672665. [2217.625306493412, 2172.675769644426, 2427.5046858863116, 2375.6268646401522, 2033.6322184701933, 2454.494448965, 2562.2640379164673, 2034.013274292968, 2388.8675141162603] Predict Value: 3 RealValue: 3 True Image ID: 606 [2273.4075745453124,2169.423195229552, 2184.352993451379, 1722.3887482214925, 2199.7024798822226, 1823.1714126762738, 2158.2476688276533, 2256.4239406636334, 2105.4334470602485, 2186.642631981733] Predict Value: 3 RealValue: 3 True Image ID: 544 [2225.6886574721093, 1715.8018533618617, 1680.5234303632901, 854.1984546930531, 1829.0552205988752, 1608.8685465257875, 1835.3814317465458, 1743.4462997178891, 1667.063286141231, 1723.1697536806987 Predict Value: 1 RealValue: 1 True Image ID: 54 [1374.7425213471795, 2737.9021165848862, 2323.882311994306, 2334.4742448782767, 2103.150731640507, 2507.8855635774134, 2310.4562320026753, 2633.0769073462325, 2320.7742242622394, 2509.150254568267 Predict Value: 0 RealValue: 0 True Image ID: 16 2061.2651454871107,[2468.6178319051332, 2214.269857086078, 2024.6449071380393, 2464.039163649799, 2153.8012907415578, 2381.4144956306955, 2327.3351713923803, 1807.3206688355003, 2259.9672563999684] Predict Value: 8 RealValue: 2 False Image ID: 284 [2000.701626929913, 1809.226906720105, 1727.963251924068, 1565.2635560824892, 2067.528476224693, 1680.2556353126747. 1821.4977353815184, 1884.2621898239108, 1892.8943446478993, 1917.015127744171 Predict Value: 3 RealValue: 3 True Image ID: 463 1985.6203061008416, 1648.3582741625073, [2013.7077742314052, 1951.5491282568319, 1836.5331469919076, 1774.7954811752254, 1841.4521443686774, 1890.6258223138707. 1808.062775458861, 1890.6900856565574] Predict Value: 2

RealValue: 2

Image ID: 356 [2126.674869367671, 1649.3777614603637, 1794.3115671476903, Predict Value: 9 RealValue: 9 True	1985.6945888026185, 1614.4317885869318, 1572.0038167892596]	2047.0148997992173, 2005.620851507084,	1886.744020793494, 1674.2923878462805,
Image ID: 30 [2237.8610323252874 1992.3335564106728, 1699.1939265428182, Predict Value: 8 RealValue: 8 True	1803.9933481030355,	1968.7422380799371, 2169.3641925688735,	1935.4195927498513, 2000.9810094051368,
Image ID: 422 [2157.826684421156, 1947.5294606244086, 1823.1275325659476, Predict Value: 5 RealValue: 6 False	· · · · · · · · · · · · · · · · · · ·	1841.0029875043658, 1772.1486957927657,	2025.613734155651, 2107.5922281124494,
Image ID: 44 [2482.4373103867097 1983.5407734654714, 2020.9826817664718, Predict Value: 6 RealValue: 2 False	, 1958.2757722037006, 1987.2647030529174, 2017.6280628500388]	1977.786388870143, 1904.4631789562118,	2131.372327867658, 2103.3867927701745,
Image ID: 237 [2377.100755121667, 2070.2577134260364, 2370.8158933160544, Predict Value: 9 RealValue: 7 False	2643.7766547119672, 2220.9678070606965, 2065.5924089713344]	2610.0532561616437, 2491.4708507225205,	2313.6276709963513, 2136.603613214206,
Image ID: 482 [2148.467826149603, 1540.150966626324, 1840.6221774171906, Predict Value: 4 RealValue: 4 True	2184.0895128176408, 1780.0016853924606, 1638.9307489945998]	1878.061234358454, 1663.337307944483,	2055.8363261699606, 1724.462524962488,
Image ID: 9 [2108.800606980186, 2327.345053918735, 2131.0199435950854, Predict Value: 3 RealValue: 3 True	2171.5803001501004, 2008.581589082206, 2274.8314223256193]	1859.2864222598948, 2144.121032031541,	1656.547916602475, 2213.332103413313,
Image ID: 110 [1895.960706343884,	3341.651088907997,	2676.9256620235087,	2816.373909835127,

2962.50603374913, 2776.489690238377. 2795.7718075694233, 2943.484329837684, 2841.9421176371625, 2936.679587561435] Predict Value: 0 RealValue: 0 True Image ID: 231 [2444.0908330092807, 2535.5758714737763, 2183.428496653829, 2441.6406369488527, 2010.9960218757271, 2423.462811763366, 2018.547249880468, 2286.755124625284, 2383.5922470087035, 2191.176852743749] Predict Value: 4 RealValue: 6 False Image ID: 73 [2250.068221187971, 2895.9737567871707, 2100.8610139654647, 2182.8243172550556, 2689.985130070425, 2474.6120908134267, 2496.0997576218783, 2617.4074959776517, 2488.24938460758, 2649.175154647197] Predict Value: 2 RealValue: 2 True Image ID: 270 [2155.6678779440954, 2437.291324400922, 2017.3135601586582, 2265.576527067669, 2076.2213273155635, 2053.8617285494174, 1612.4605421528925, 2484.8655899263445, 2130.053989926077, 2150.5306321929015 Predict Value: 6 RealValue: 6 True Image ID: 279 [1671.7170813268613, 2467.26224791772, 2081.5009007925028, 2261.894559876742, 2192.5804432220953. 2019.9955445495418, 1664.8534470036695, 2381.047878561034, 2196.2112830964147, 2198.127839776386] Predict Value: 6 RealValue: 0 False Image ID: 87 [2041.3243250399971, 1794.8214395866794, 1774.1338731899575, 1676.9561711625024, 1691.239781935134. 1595.4457057512172. 1926.186906818754, 1846.03358582665,  $1763.0221212452213,\ 1762.3141036716468]$ Predict Value: 5 RealValue: 8 False Image ID: 484 [2248.416776311723. 948.2631491310838. 1654.1215191152069. 1747.7130771382356. 1869.8681771718561. 1680.1583258728922, 1868.391019032151, 1837.4033307904936, 1677.5869575077174, 1830.121853866567 Predict Value: 1 RealValue: 1 True Image ID: 262 [2426.0092745082407. 1944.4901645418524. 2137.333151382816. 1905.0249342200223. 1702.9216071211265. 1781.1701210159574. 2027.1127250352902, 1592.350463936881, 1808.3486942511945, 1532.5250405784566 Predict Value: 9

RealValue: 9 True Image ID: 213 [2151.1390006226934, 2057.6355362405657. 2072.2589123948774, 1833.8958530952623, 1612.9848108398294, 1688.4321129379173, 1955.1613744138872, 1455.3082147778869, 1785.6435814573972, 1310.7436820370335] Predict Value: 9 RealValue: 9 True Image ID: 275 [2463.31443384721, 2588.3892674789086, 1894.9612133233757, 2446.360357755987, 2373.5612484197663, 2387.47188465121, 2224.2641479824288, 2487.4362303383778, 2419.2250825419283, 2532.0710890494365] Predict Value: 2 RealValue: 2 True Image ID: 578 [2143.405467941145, 1161.3672976281018, 1700.3543748289649, 1637.4932060927765, 1692.1140623492258, 1550.2519150125247, 1827.641649777111, 1535.8613218647054, 1704.4198426444113, 1598.7760943922071] Predict Value: 1 RealValue: 7 False Image ID: 445 [2310.3445630468195, 1990.1399448280013, 1817.9372926479066, 1924.8722035501473, 1401.10920345275, 1819.357029282598, 1861.275637835514, 1606.3763568977229, 1836.8549207817148, 1473.5799944353207 Predict Value: 4 RealValue: 4 True Image ID: 25 [1994.9674182803087, 2079.4210732797724, 2041.0960290980922, 1605.5005450014646, 2241.0091476832486, 1793.0741758220713, 2157.419755170514, 2196.9410551946994, 2018.952946455167, 2246.304298175116] Predict Value: 3 RealValue: 3 True Image ID: 398 [2254.133536417042, 1945.2601368454555, 1915.5735433545744. 2006.7473682554064. 1715.651188324713, 1789.558604796166, 1907.2317635777777, 1900.8763768325389, 1734.4578403639564, 1730.6807909028169 Predict Value: 4 RealValue: 4 True Image ID: 311 [2399.3238630914334, 2393.650768178182, 2091.940486725184. 1763.0467946143688. 2226.0139262816842, 2049.0995583426393, 2422.6980827168704, 2510.769603129686, 2103.725980255033, 2362.1831004390833 Predict Value: 3

RealValue: 3

Image ID: 396 [2006.9539107812118. 2330.134974631298. 1938.6082636778376. 2314.456523678939. 2046.661427789169, 2097.5209176549347, 1467.9294942196645, 2296.4178626722096. 2064.868518816634, 2068.0638288021964 Predict Value: 6 RealValue: 6 True Image ID: 85 [2197.0025034123196, 1518.888738519053, 1920.2484214288525, 1708.883553668886, 1670.0985000891415, 1511.3973666776053. 1718.6346324917347, 1864.146721693333, 1732.4185406534993, 1538.3920176599981] Predict Value: 5 RealValue: 9 False Image ID: 250 [2264.4440818885328, 2451.0716023812934, 2375.3191364530367, 2381.5129644828726, 1800.0394440122693, 2057.002916867159, 2019.5786689307254, 2043.5361508913904, 2162.631961291611, 1813.2415724331934] Predict Value: 4 RealValue: 4 True Image ID: 489 [2224.6649185888646, 1412.5689363708943. 1917.5419160998802, 2012.0362819790303, 2075.086745174765, 1647.3026437179053, 2081.2786934959, 1996.5908444145487, 1834.0556152963302, 1940.2365835124335] Predict Value: 3 RealValue: 3 True Image ID: 309 [2322.70122917262, 2413.6445471527077, 2146.7978479586754, 2095.490873280053. 1609.3191106800416, 2015.749240357044, 2014.1410079733741, 2185.810604787158, 2114.1052480896024, 1823.8100230012994 Predict Value: 4 RealValue: 4 True Image ID: 180 [2122.0016493867292, 1680.0244045846478. 1676.2305927288166, 1855.2153513810736. 1442.9677751079544, 1670.72589014476, 1718.1559882618342, 1473.6892481116906, 1537.8033034169227, 1286.4085665137652 Predict Value: 9 RealValue: 9 True Image ID: 452 [2009.9437803082951, 2519.2135677627653. 2415.581503489377. 2265.055186965651. 2258.1348498262896, 1965.6675710811328, 2035.1334108603298, 1813.820002095026, 2261.056390274245, 1858.6032389942723 Predict Value: 7 RealValue: 7 True Image ID: 495 [2387.21783672961, 1444.0048476372924, 1729.3799466860949. 1831.1307981681703, 2133.5322823899337, 1926.9657495658817, 2148.009776514064, 2009.2311962539304,

1595.3836529186326, 1989.7248553506085

Predict Value: 1 RealValue: 1 True

Image ID: 271

 $1663.088993409553,\, 1993.7279152381852]$ 

Predict Value: 1 RealValue: 2 False

Image ID: 365

1718.1257229900261, 2148.062848242574]

Predict Value: 8 RealValue: 2 False

Image ID: 521

1945.2313487089395, 1542.703147076585

Predict Value: 7 RealValue: 7 True

Image ID: 121

1979.6393610958537, 1737.8268037983532]

Predict Value: 9 RealValue: 9 True

Image ID: 126

 $\begin{bmatrix} 2285.883636583455, & 1592.8273603878106, & 1741.168573114045, & 1761.0613277225755, \\ 1692.3903214093373, & 1748.6531960340221, & 1878.0913183335895, & 1225.845422555389, \\ \end{bmatrix}$ 

1690.4585176809278, 1431.9881284424114

Predict Value: 7 RealValue: 7 True

Image ID: 216

 $1693.3918625055453,\ 1757.3861271786573]$ 

Predict Value: 1 RealValue: 6 False

Image ID: 421

1629.602712319785, 1853.2601004715987

Predict Value: 3 RealValue: 8

False			
Image ID: 36 [2241.5601709523658, 1914.4960172327337, 1603.209905159022, 16 Predict Value: 3 RealValue: 3 True	1908.7040105789058, 1673.502913053933, 696.993223321767]	1829.3829560810934, 2148.769182578715,	1492.3206759942716, 1874.9599995733242,
Image ID: 318 [2209.4798030305687, 2112.9197807773016, 1762.2471449827915, Predict Value: 8 RealValue: 8 True	2277.091566011345, 1943.6272790841356, 2145.191133675505]	1940.7604179805398, 1958.0520932804623,	1866.6654761900966, 2299.133749915389,
Image ID: 261 [2231.4956867536175, 2310.5159596938515, 1892.5984782832306, Predict Value: 2 RealValue: 2 True	2274.0470531631486, 2149.433646335704, 2332.59619308615]	1580.251562252036, 2126.349924165823,	1918.2898633939553, 2413.594829295091,
Image ID: 472 [1675.5930293481172, 2408.497664520354, 2427.93574873801, 24 Predict Value: 0 RealValue: 0 True	2178.0932027808176,	2351.662815966609, 2312.2086843535553,	2456.88196704685, 2522.2864627159224,
Image ID: 97 [2310.6994612021704, 2416.317652958733, 2295.5905558265395, Predict Value: 2 RealValue: 2 True	2624.644928366502, 2354.670677610778, 2532.436376298524]	1915.9206664160183, 2273.673459404406,	2242.6745194075756, 2445.9670889036915,
Image ID: 348 [2282.802663394276, 2032.8976855710175, 1827.4944596359246, Predict Value: 3 RealValue: 2 False	1694.8442406309791, 1852.744450808044, 1955.4186252564948]	1762.9872376168807, 2005.4792444700095,	1623.446026204752, 1894.4463571186175,
Image ID: 493 [2324.1839428065928,	1468.598651776584,	1772.9847715082044,	1677.5112518251553,

 $\lfloor 2324.1839428065928,$ 1468.598651776584, 1672.422195499689, 1692.6219306153398, 1902.917759652266, 1543.9974093242515,

1618.6831067259582, 1401.4010846292363] Predict Value: 9 RealValue: 7

False

Image ID: 251

[2120.329927157564, 1831.4142076548385 1677.456705849662, Predict Value: 8 RealValue: 0 False	,	1897.5687075834699, 1733.1710821497109,	1837.6800592050838, 1815.2140369664398,
Image ID: 569 [2063.303176947101, 2410.0080912727244 1816.6182868175692 Predict Value: 5 RealValue: 5 True		1974.8513868137015, 2130.5827841226915,	1876.3637707011933, 2324.0647581339035,
Image ID: 530 [2440.5183875562175 1705.996189913682, 1919.2863256950486 Predict Value: 9 RealValue: 4 False	5, 2020.248252072007, 1850.6555595247864, , 1614.0743477299923]	$2124.586077333653, \\ 2154.052692020323,$	1872.524766191358, 1689.2078024920438,
Image ID: 460 [1912.719007068210: 1746.8935285242774 1686.100234268414, Predict Value: 5 RealValue: 5 True		1810.6402182653517, 1767.790428755626,	1408.913411108007, 1729.355660354457,
Image ID: 265 [1919.935155154986, 1915.567800940494, 1854.039643589101, Predict Value: 5 RealValue: 5 True	2144.3208715115375, 1514.7597169188255, 1841.8183949564625]	1915.3258208461557, 1846.8150963212315,	1878.9193702764362, 2040.6298047416635,
Image ID: 285 [1905.729256741366; 2408.6554340544435 2352.7558309352885 Predict Value: 0 RealValue: 0 True		2256.1063804705664, 2462.7519160483866,	2227.0336773385357, 2460.947988072889,
Image ID: 499 [2174.58800695672, 2462.6075611026617 2267.364328907024, Predict Value: 0 RealValue: 9 False	2799.6321186898826, 7, 2374.2137645966086, 2485.3939325587803]	2390.2859661555144, 2614.616606693991,	2298.71181316841, 2617.483524303448,
Image ID: 263 [2467.259613417282] 2469.2677052114054 2036.3712824531779		1942.2502413437874, 2375.562880666391,	2012.7396751691463, 2644.1945843677995,

Predict Value: 2 RealValue: 2 True Image ID: 274 [2358.995337002598, 2155.8645597532327, 2083.2765058916207, 2047.8998998974535, 1876.0628987323425, 2003.5301345375367, 2253.827411316137, 1272.610702453818, 1995.8810084772088, 1606.2910695138662 Predict Value: 7 RealValue: 7 True Image ID: 407 [2202.0924140462407, 1934.8700214743108, 1820.0019230759071, 2008.9280723808904, 1813.0940405836648, 1831.7693632114278, 1545.317443116462, 2101.380974502244, 1894.1623478466674, 1851.2890103924888] Predict Value: 6 RealValue: 6 True Image ID: 413 [2195.6122153057904, 2262.010610054692, 1519.6167279942663, 1958.9517605086655, 2044.7606216865581, 2040.3511952602669, 2186.640345370038, 1956.1472337224516, 1974.941264949416, 2032.5223246006426] Predict Value: 2 RealValue: 2 True Image ID: 351 [2216.4645271242216, 1936.865509011919, 1671.7374195728228, 1791.4410400568588, 1481.923749725336, 1673.6203273144122, 1838.0603907380194, 1660.601698180512, 1679.745516439916, 1579.3831074188429 Predict Value: 4 RealValue: 4 True Image ID: 549 [2438.589551359556, 1749.2284013244239. 1955.2015241401589, 1834.062703399205, 2058.1025241712327, 1831.47618057129, 1899.8273605777974, 1988.2846878653972, 1786.166565581161, 1914.8647471818995 Predict Value: 1 RealValue: 1 True Image ID: 512 [2200.2836180819963, 2105.202365569638, 1832.3585893596264, 1860.1653152341057, 2085.0633083913785. 1855.3705829294588. 2117.297097716804, 2215.135436039973, 1484.5470689742376, 2038.112852616361 Predict Value: 8 RealValue: 8 True Image ID: 353 [2089.6267609312436, 2461.4323066052416, 1987.2448263865226, 2307.033809895295, 2183.0707730167614, 2226.99775482599. 2027.0148001433042, 2544.0167059199907. 2353.055885439188, 2443.72338860191] Predict Value: 2

RealValue: 2

Image ID: 118 [2320.951959864745, 1145.8669207198539, 1827.274473088266, 1814.2042332659241, 1961.3258270873812, 1713.2069343777475, 1801.826018238165, 1854.5891728358602, 1704.6577369079107, 1828.9685617855764] Predict Value: 1 RealValue: 1 True Image ID: 31 [2121.4061374475186, 1771.5038808876486, 1937.9796180558762, 1961.2539356238397, 1559.9214723825044, 1750.3279692674741, 1723.9997099767738, 1661.716883226502, 1838.8045029311843, 1458.289408862315] Predict Value: 9 RealValue: 9 True Image ID: 296 1954.7690400658591. [2361.466281783418, 2047.7980857496668, 1935.5634838464998, 1683.2789430156845, 1764.271804456445, 1907.562843001509, 1645.7721592006592, 1605.2529395705837, 1407.9371434833304] Predict Value: 9 RealValue: 9 True Image ID: 310 [2136.9737948791044, 2117.7285000679385, 1897.5144268226263, 1707.735928063821, 1556.5236907930441, 1702.6112298466728, 1947.2781003236287, 1701.1008200574122,  $1666.7048328963351,\ 1430.499563089762]$ Predict Value: 9 RealValue: 9 True Image ID: 53 [2385.69088525735, 2184.894963150403, 2006.6726190387908, 1946.2230088044896, 1691.7582569622648, 1951.5278629832576, 2038.9340352252693, 2024.618976499035, 1997.2178148614637, 1636.819171441977 Predict Value: 9 RealValue: 9 True Image ID: 454 [2306.5305113958498, 1815.1639044449953, 1834.2189073281302. 2019.0037147068354. 2016.9422401248876, 1837.4321756190077, 2043.9510757354246, 2042.7975915396023, 1514.7260478383541, 1980.4199049696506 Predict Value: 8 RealValue: 8 True Image ID: 49 [2222.2612357686485, 2429.6794027196265, 2123.374437069449, 2214.266018345583, 1522.7468601182536, 2026.374841928314, 1994.0396184629833, 1914.4503127529845, 1981.6879169031636, 1697.7399683108129 Predict Value: 4 RealValue: 4 True Image ID: 249 [2294.025501166018, 1306.178395166602, 1709.3838071071107, 1790.6378751718619,

1914.200094034059, 1741.5088285736597. 2036.3246303082424, 2000.4959385112484, 1707.0152313321637, 1917.3442570388866 Predict Value: 1 RealValue: 1 True Image ID: 434 [2011.819077352633, 1977.468330972711, 1739.2469634873594, 1813.3005818120723, 2173.043717921938, 1758.0739461126202, 1607.2849778430707, 2161.7920806590073, 1764.6421733598004, 2068.400831560459] Predict Value: 6 RealValue: 5 False Image ID: 278 [2233.007389150336, 2054.779550219439, 1788.5167038638472, 1985.9045797822212, 2201.8394582711976, 1988.3832628545233, 1860.1997204601446, 2305.440305017677, 2083.17354053857, 2198.2752329951772] Predict Value: 2 RealValue: 2 True Image ID: 362 [2022.1075639045516, 1802.504368926744, 1803.1697091510825, 1627.3782596556955, 1842.2763093521014, 1555.2957918029613, 1509.3230270555075, 2015.9479159938633, 1718.5863376624404, 1822.9577614415534] Predict Value: 6 RealValue: 6 True Image ID: 525 [1911.65085724355, 2277.2088178294057, 1998.7443558394355, 1941.2444462251528, 2281.734428017424, 1848.0419367536008, 1987.820917487287, 2189.6177748639143, 2093.9768384583435, 2167.488638955231] Predict Value: 5 RealValue: 5 True Image ID: 546 [2165.4835487714977, 2420.9287474025336, 2125.9912981947973, 2315.5919329622825, 1953.4840669941489. 2155.8828817911235. 2153.3476263715525, 2004.9064816095538, 2279.595797504461, 1956.3877427544878] Predict Value: 4 RealValue: 9 False Image ID: 379 [2188.395302499071. 2303.6751073013747. 2040.959088271982. 1675.4369579306767. 2127.7859384815947. 1878.1868916590809. 2339.2184592294925, 2425.9441461006477, 1947.34537255208, 2198.7996725486387 Predict Value: 3 RealValue: 3 True Image ID: 201 [1957.465197647202. 1937.8382285423104.1770.1005621150455. 1563.644780632737. 1832.4592764915678. 1570.5776007571228. 1747.0835698386038, 1811.0171175336802, 1635.1715506331439, 1721.5562726788805 Predict Value: 3

RealValue: 0 False Image ID: 397 [2269.825323675811, 2280.675338578466, 2005.66223477434, 2280.149117930667. 1876.3373897036747, 2058.116371831292, 2165.078751454552, 2187.765069654418, 2059.198630535675, 2071.257347603141] Predict Value: 4 RealValue: 2 False Image ID: 593 [2261.5569857954056, 2253.9083832312263, 2050.297051648858, 1977.9972194115946, 1927.792779320433, 1981.9495452710194, 2266.342207169959, 1406.0657879345476, 1936.7653445887554, 1662.6238299747781] Predict Value: 7 RealValue: 7 True Image ID: 246 [2327.0717651159794, 2177.010335299307, 2091.31657096672, 1936.6589787569726, 1804.1845803575643, 1844.8932218423915, 2100.7479620363792, 1804.6528752089694, 1868.3257210668594, 1730.889077901874] Predict Value: 9 RealValue: 8 False Image ID: 404 [1607.2174712838334, 2397.968098203143, 2161.2121598769522, 2161.764325730259, 2203.450249041262, 2069.1382264121457, 1886.3112150437955, 2321.5664970015396, 2218.2533669533786, 2234.601530474729] Predict Value: 0 RealValue: 0 True Image ID: 331 [2268.1913499526445, 2037.874628135892, 1882.826598494933, 1949.2006053764708, 2192.954855896491, 1855.4314862047588, 2036.527191077988, 2270.361424971804, 1530.4404594756375, 2094.0611261374393 Predict Value: 8 RealValue: 8 True Image ID: 387

1796.3337663140444, 1917.6649863831794] Predict Value: 8 RealValue: 3

False

Predict Value: 5 RealValue: 5 True

Image ID: 389 [1996.743098147581. 1839.6608383068874. 1844.8189613075858. 1609.929812134678. 1857.5704562680792, 1413.1946079715985, 1771.3170241376895, 1939.2220089510122. 1607.3764338200308, 1811.951158282143] Predict Value: 5 RealValue: 5 True Image ID: 501 [2367.9926097857656, 1709.8888852788066, 1846.7660923896128, 1845.2680022153963, 1597.0629292548242, 1714.6238654585443, 1841.140950606444, 1646.4634827411144, 1554.6726343510393, 1428.0864819750939] Predict Value: 9 RealValue: 9 True Image ID: 343 [2234.443331122989, 2134.020149858009, 2145.1463819515907. 2108.4828668974287. 1839.4385012823886, 1947.6655256999338, 2190.8112652622544, 1305.303796056688, 2071.3399045062592, 1724.2723102804846] Predict Value: 7 RealValue: 7 True Image ID: 430 [2266.3238956512814, 2286.980760741113, 2130.674071743494, 2149.927208070078. 1673.6137547235921, 2011.660508137494, 2074.142473409192, 1932.5938528309564, 2006.702269894565, 1832.519031279075] Predict Value: 4 RealValue: 4 True Image ID: 205 [2148.685877460919, 2343.734626616247, 1960.7883618585663, 2224.55074116101, 1741.1616811772535, 2075.0636134827287, 2068.434190396204, 2096.5848420705515, 2191.318552835256, 1967.96925788997 Predict Value: 4 RealValue: 4 True Image ID: 440 [2010.590211853226, 2044.5155905495071, 1729.2191879573857. 1827.1113813886661, 1714.3441894788805, 1655.405992498517, 1802.154266426712, 2014.8449071826844, 1634.070071936941, 1770.4866562614925] Predict Value: 8 RealValue: 8 True Image ID: 587 [2194.6489468705468, 1969.7946593490399. 2186.920666142236. 1952.2789247441053. 1873.8166932760525, 1616.4522881916434, 2139.5740230242095, 1778.4203665050622, 1845.8721515858026, 1776.6941211137048] Predict Value: 5 RealValue: 5 True Image ID: 371 [2187.528056962927, 1181.789321325929, 1799.4518609843387. 1725.6320581166774, 1668.6964972696503, 1513.5577293251818, 1777.4543594703073, 1620.597420706327, 1743.7474014317556, 1622.5150230429301]

Predict Value: 1 RealValue: 1 True

Image ID: 455

[2167.4826412223006, 1542.6717084331326,

1556.4632986357244, 1618.9573805384748, 1652.783409887696, 1559.9733972090678

Predict Value: 1 RealValue: 9

False

Image ID: 200

[1507.185124661201, 2503.426052432945, 2275.029670136194, 1914.681957924083, 2124.1268794495304, 2200.561519249121]

Predict Value: 0 RealValue: 0 True

Image ID: 595

[1839.5733200935483, 2553.721402189362, 2254.618149487846, 1918.8105690765829,

2178.542173105676, 2247.8029273047937] Predict Value: 6

RealValue: 6 True

Image ID: 591

[2339.92200724725, 2322.037036741662, 2044.4977378319595, 2034.6758955666626, 1371.1914527154843,

2011.2685051976525, 2081.9743033956975] Predict Value: 6

RealValue: 6 True

Image ID: 543

[2134.1000445152517, 1674.7047500977599, 2014.737700049314, 1624.5648648176532, 2174.438778167829. 1858.9451309815468, 1958.6773598528166

Predict Value: 5 RealValue: 5 True

Image ID: 368

[2269.0301893099618, 1990.0610543397909, 2076.7123055445113, 1883.609566762709. 1686.279039779597, 1740.4999281815556. 2013.2384359533771, 1573.4932475228484,

 $1737.071098141927,\ 1519.617057024565]$ 

Predict Value: 9 RealValue: 9 True

Image ID: 163

[2085.3882132591043, 2187.769411981071, 1364.095671131611. 1721.5516257144309.

1809.1959540082992, 1326.484074536894

Predict Value: 9 RealValue: 4

2185.069564110031,

1835.9812090541668,

1841.8838182686768,

2082.270875750799,

2076.4325175646813, 2300.461258095863,

1848.5286040524231,

1702.1439422093538,

2042.3506065316014, 2077.0823286523814, 1570.0003184713053,

2423.92594771375,

1947.554107078928, 2209.49858565241, 2373.814230305312,

1943.3288450491336,

1887.2042814703448, 1873.3558124392707,

1967.1194676480634.

1581.638074908416,

1979.4241586885819.

1771.4561806604192,

Image ID: 174 [2050.923450546119, 1851.2800976621554, 1874.9031975011403. 1939.677034972575, 2145.4761709233685. 1655.8553680801956, 2199.4440206561294, 2038.8903844983918, 1729.8066365926568, 2034.1256106740311] Predict Value: 5 RealValue: 5 True Image ID: 165 [2070.4728928435648, 1709.7710373029483, 1794.298748815258, 1689.428009712163, 1382.7996962684074, 1563.7103312314593, 1863.5098604515083, 1397.7192135761745, 1685.3510020170872, 1270.9594800779448] Predict Value: 9 RealValue: 9 True Image ID: 328 [2141.8648416741894, 1717.3462085438684, 1932.7785698315263, 1796.1959803985756, 1854.8854412065452, 1506.137111952295, 1943.9593617151568, 1698.617084572035, 1651.1284020329854, 1668.0302755046146] Predict Value: 5 RealValue: 5 True Image ID: 181 [2068.6442420097273, 1942.9245996692719,1962.2530417864052, 1617.6761109690653, 2083.90354863175, 1667.1199716877006, 2086.616879065249, 2111.6500657069105, 1989.0442428462973, 2084.850354342009] Predict Value: 3 RealValue: 3 True Image ID: 273 [1683.24151564771, 2574.9254358136277, 2178.273169278821, 2099.5806724200907, 2117.098722308433, 1966.8655266692738, 2030.2283122841136, 2173.270576803542, 2139.709793406573, 2021.9020747800819 Predict Value: 0 RealValue: 0 True Image ID: 138 [2373.7409294192153, 2411.166522660764,2488.654455725021, 2252.0019982229146, 2075.5758237173604, 2157.307117681671, 2386.471663355758, 1697.85776789459, 2316.1683876609663, 1933.971561321417] Predict Value: 7 RealValue: 7 True Image ID: 83 [2146.3229020816043, 1827.205242987224, 1873.6285651110254, 1745.2779148319044, 1603.76775126575, 1577.6076825370749, 1854.7390652056692, 1439.4349585861808, 1534.993811062442, 1285.3489798494415 Predict Value: 9 RealValue: 9

Image ID: 220

[2169.556867196617, 2125.0359996950638, 1690.1215932588993, Predict Value: 8 RealValue: 8 True	2388.1139001312313, 1950.2602390450359, 2114.9111092431285]	1986.3320467635817, 2158.9701248511988,	2109.3890110645784, 2270.284563661569,
Image ID: 451 [2347.632850340956, 1887.7973937899162, 1695.7759285943412, Predict Value: 1 RealValue: 1 True	959.6567094539588, 1751.7031712022444, 1773.9706874692151]	1698.78839176632, 1803.2168477473806,	1766.6773899045631, 1772.4246105264956,
Image ID: 198 [2547.732128776493, 2441.47824073859, 2079.4501677126095, Predict Value: 3 RealValue: 3 True	2440.226219021507, 2181.044933053879, 2295.515410534201]	2246.817972155288, 2488.34965388709,	1894.831390915825, 2331.1456410958112,
Image ID: 342 [2244.926724862083, 1704.3711450268102, 1694.2679835256288, Predict Value: 1 RealValue: 1 True		1691.3479831187904, 1955.4904755584978,	1770.7995369323994, 1766.060870978121,
Image ID: 92 [2144.625841493103, 1312.999238385156, 1701.8813119603847, Predict Value: 4 RealValue: 4 True	1715.0903766274243, 1574.5596209734326, 1335.5066454346081]	1729.855485293497, 1756.7592322227881,	1769.8968896520498, 1519.2968768479714,
Image ID: 170 [2340.0547002153603 1976.400010119409, 1961.9740059440135, Predict Value: 8 RealValue: 4 False	, 2355.4016642602596, 2126.5831749546032, 2007.5467615973482]	2184.5109292470934, 1979.0970163183006,	2434.111131398893, 2341.0738988763255,
Image ID: 203 [1727.0581924185415 2696.0161349665545, 2549.072772597911, : Predict Value: 0 RealValue: 0 True	2400.877756155028,	2525.3752196455875, 2643.710082440962,	2548.8489559014674, 2646.312339841992,
Image ID: 232 [2166.0953349287283 2062.1605175155496, 1753.3410963072758,		1791.7022632122782, 2144.9466193824032,	1407.3983089374522, 2162.4851444576448,

Predict Value: 3 RealValue: 3

True

Image ID: 315

[2277.3124511142514, 2042.9324511593622, 1787.006994949936, 1878.3367642677922, 1843.7196099190353,

1284.8653625964084,

2052.8368176745075, 2127.7610298151435,

1848.79311984873, 1917.5776385846807

Predict Value: 6 RealValue: 6 True

1777.2619390511911,

Image ID: 391 [2145.5919929007937,

1621.8353800555715, 1565.0594237919531,

1858.2225378032633, 1850.5961201731727, 1973.5470604979248, 1828.1766873035,

1761.6977606842781, 1833.6376414111921]

Predict Value: 5 RealValue: 5 True

Image ID: 294

[2395.0419620541097, 1652.118034524168, 1912.8740157156194, 1674.4584199077624, 1778.2696645897101, 1902.917759652266, 1817.1805083700408, 1925.769716243352,

1870.79501816741, 1755.4144809702352

Predict Value: 2 RealValue: 2 True

Image ID: 541

[2347.157642767098, 2073.8384700839165, 1780.5075119190035, 1945.5806331272934, 1528.0628259335413, 1828.2792456296165, 1767.9994343890498, 1785.3375031069056,

1692.807431458168, 1549.3588996743138]

Predict Value: 4 RealValue: 4 True

Image ID: 560

[2185.7076657229345, 1771.1580957102615, 1837.223992876209, 1419.7989294262761, 1975.7922461635485, 1618.6766199584154, 2080.6871461130336, 2034.560149024845,

1830.9849808231634, 1981.3192574645814]

Predict Value: 3 RealValue: 3 True

Image ID: 548

[1913.4272915373608, 2452.924580984911, 1955.5434027400158, 2211.463994732901, 1895.9459380478127, 1910.476380382652, 1754.5515096456986, 2010.6876933029655,

1991.0017579098217, 1937.0632410946216]

Predict Value: 6 RealValue: 4 False

Image ID: 119

[2036.5711379669506, 2058.569649052468, 1996.8945891057945, 1467.1813112223042. 1950.5745307472873, 1505.7708989085957. 2010.384291621878, 1963.5704723793338.

1664.3196808305788, 1823.6309933755788]

Predict Value: 3 RealValue: 5 False

Image ID: 238 [2289.363448646807, 1941.3974348391419, 1847.6663659871065, 1879.7223199185564, 1624.3454066176935. 1843.409070174062, 1913.1664851758196, 1873.5938727483071, 1707.8790940813112, 1454.3517456241457 Predict Value: 9 RealValue: 9 True Image ID: 132 [2532.182852797167, 2270.0495589303773, 2065.7323156691914. 2180.571714023641, 2318.3686074479183, 2273.334115346884, 2370.626710386939, 2288.212184217189, 2028.585221281078, 2226.7932099770737] Predict Value: 8 RealValue: 7 False Image ID: 330 [2064.3318531670243, 2256.3720881095833, 1940.5391003533014. 1855.0716967276494, 2225.9925875887366, 1772.7047131431675, 1793.0909067863793, 2349.9751062511277, 2010.9067606430688, 2248.780113750564] Predict Value: 5 RealValue: 5 True Image ID: 70 1551.7783346857243, [2154.920184136758, 2089.0045476254954, 1765.8955235234048, 1995.302984511375, 2177.1651292449087, 2028.0862900774218, 1767.0418783945104, 1685.014243263243, 1922.4273718400912 Predict Value: 3 RealValue: 3 True Image ID: 300 [2212.9841843086, 1769.07772582213, 1699.6073075860788, 1736.5114453985036, 1767.4475946969403, 1911.1891586130348, 1885.153574645843, 1862.5026174478253,  $1419.7094773227373,\ 1803.9115831991323]$ Predict Value: 8 RealValue: 8 True Image ID: 32 [2045.320268319854, 2410.903565056056. 2251.535253998924. 2034.9152316497118. 1726.6875803109258, 1840.6517867320804, 1964.613956990024, 2081.974543552346, 2057.797123139208, 1854.010517769519 Predict Value: 4 RealValue: 4 True Image ID: 303 [2070.605708482424, 1851.4464615537765, 1909.8389984498692, 2056.763720022307, 1869.1321515612533, 1477.0027081897988, 1773.2427921748335, 1768.194276656273, 1787.6498538584115, 1357.627342093551] Predict Value: 9 RealValue: 9 True Image ID: 469 [2283.319294360734, 1965.984740530811, 1879.0665235696154, 1760.597057818739,

1599.1372674038962, 1690.5605579215435, 1871.3417646170353. 1795.0420607885487. 1851.3170987164788, 1521.3635331504433 Predict Value: 9 RealValue: 9 True Image ID: 225 1824.3428954009714, [2064.0171995407404, 1777.4020366816283, 1347.5147494554558, 2078.598566342236, 1625.9621766818564, 1980.701390921913, 2032.3956307766457, 1880.4246860749302, 1987.8800265609593] Predict Value: 3 RealValue: 3 True Image ID: 210 [2218.575218467925, 1867.9595820038505, 2032.7390388340555, 1913.0543640994629, 1645.6132595479412, 1641.6765820343544, 1950.8416132531108, 1528.6716455799133, 1669.6562520471093, 1356.6687141671691] Predict Value: 9 RealValue: 9 True Image ID: 395 [2116.5412823755646, 1890.8812760192004, 1795.002785513159, 1828.4107853543196, 2021.8140369480077, 1741.6408929512422, 2011.5914098046849, 2033.1846940206883, 1460.0270545438534, 1970.4332011007123 Predict Value: 8 RealValue: 8 True Image ID: 464 [2429.961110799924, 2140.1289680764567, 2028.7116601429589, 2138.9805983224815, 1899.2198398289756, 2061.0412417028438, 1908.4800234741783, 1921.647210077854, 2026.9437584698792, 1815.5497789925782] Predict Value: 9 RealValue: 7 False Image ID: 190 [2124.830346168842, 1334.916102232646, 1539.676589417401. 1823.6833606742152, 1746.8866591739718. 1671.0703156959016. 1734.6599090311622. 1733.757480156899, 1598.1514321240024, 1641.8203312177616] Predict Value: 1 RealValue: 2 False Image ID: 653 [2367.0002112378443. 2747.3396222527713. 2382.791640072627. 2528.6808814083283. 2346.0748069914566, 2388.26841037602, 2501.140339924971, 2491.67433666601, 2000.4034593051472, 2301.977845245258 Predict Value: 8 RealValue: 8 True Image ID: 581 [2181.2897560846886, 1579.3574642872968, 1682.2083699708546. 1394.3270778407768. 1952.629509149137. 1660.6814866192735. 1983.1071579720547, 1849.0981585627087, 1565.3137065776943, 1787.732921887383 Predict Value: 3

RealValue: 3 True Image ID: 319 [2167.863233693491, 2590.488756972321, 2164.988914521273, 2132.4267865509473, 2088.4975460842657, 1974.4986705490587, 2246.4371791795115, 2320.2904990539437, 1914.0504173088023, 2058.323832636643 Predict Value: 8 RealValue: 8 True Image ID: 178 [2167.0662195696746, 2072.575933470231, 1621.642994003304, 1799.4051794968248, 2044.2649045561586, 1931.3150959902944, 1972.4211010836402, 1905.1060337944448, 2057.1528868803116, 1975.8238787908197 Predict Value: 2 RealValue: 2 True Image ID: 659 [2280.785829489477, 1746.5551809204312, 1719.276010418339, 1903.3935483761627, 1790.8883270600654, 1714.6941418223835, 1474.778966489555, 1983.4038923023218, 1721.0479365781769, 1783.1775009796418] Predict Value: 6 RealValue: 6 True Image ID: 155 [2132.2119969646546, 2362.037044586727, 2089.593261857436, 1553.898001800633, 2422.237601887973, 2436.0773797233946,1969.169368033131, 2323.4640087593352, 2005.6530108670343, 2359.362625795365] Predict Value: 3 RealValue: 3 True Image ID: 297 [2216.498364538084, 2422.400462351343, 2282.5260129952517, 1843.1413402124103, 1907.6385926060523, 2203.20766156983, 2252.763192170895, 2303.8602388165823, 2133.4040873683543, 2198.2618133425326 Predict Value: 3 RealValue: 5 False Image ID: 58 [2265.198225321572, 1719.228315262403, 1886.6957889389587, 1913.388617087496, 1580.9800757757828, 1675.1008924837931, 1842.1682876436669, 1533.5964267042357, 1670.6235362881728, 1509.1457848730188] Predict Value: 9 RealValue: 9 True Image ID: 56 [2434.605922937016, 1814.2174621582717, 1697.103414645083. 1957.2651838726401, 1977.8121751066253, 2017.0894873554817, 1875.3093078209793, 2113.0208233711282, 1909.4831761500284, 1944.6783795784845] Predict Value: 2

RealValue: 2

Image ID: 69 [1876.1897558615972. 1889.560001693516. 1746.9562100980093. 1693.601192725135. 1794.3313517853942, 1537.8491473483348, 1643.910885662602, 1888.001324152078, 1701.1884081429664, 1774.6441896898657] Predict Value: 5 RealValue: 0 False Image ID: 357 [1903.6509659073536, 2921.4739430636723, 2491.3255507861672, 2527.2095283137883, 2734.188727941069, 2405.1854398361884, 2628.520876843096, 2772.126259750807, 2594.4554341903813, 2749.7358054911383] Predict Value: 0 RealValue: 0 True Image ID: 375 [1794.1477085234649, 2588.3301566840346, 2295.942072439982, 2373.456761771741, 2227.537429539625, 2055.1218941950865, 2284.7439681504798, 2280.2695016159823, 2369.5104979721023, 2263.2366204177592 Predict Value: 0 RealValue: 0 True Image ID: 124 [2411.6985715466185, 1660.5303369706921. 1894.8997334951525. 1816.2169473936751, 1949.481213041049, 1885.0421745945102, 2198.53928779997, 2091.2371936248646, 1651.1480854241995, 2026.297115430015 Predict Value: 8 RealValue: 1 False Image ID: 13 [2567.1176443630316, 2424.796486305603, 2357.8030027973073, 1996.2054002531904. 2420.2231302092787, 2177.346779913572, 2548.9397795946456, 2226.454131573341, 2220.442973823016, 2304.0388451586487 Predict Value: 3 RealValue: 3 True Image ID: 511 [2056.550023704748, 2368.960320478163, 2047.5307079504328. 2001.6150978647217. 2195.2792533069683, 1776.4678437844013, 2249.101376105577, 2378.238633947401, 1860.1693471294489, 2194.373259042317] Predict Value: 5 RealValue: 5 True Image ID: 384 [2264.431716789005. 2089.0586396748176. 2088.8257466816135. 1939.817001678251. 1802.916526076568, 1815.7469537355694. 2080.7421752826563, 1740.7889016190331, 1648.500227479511, 1631.0232984234162 Predict Value: 9 RealValue: 9 True Image ID: 466 [2162.5491901919827, 1849.5956314827304, 1885.14216970498, 1981.6528454802572, 1975.0367085196162, 1743.5151275512353, 1987.8938603456675, 2009.304357234115, 1542.4814423519008, 1920.4736394962572]

Predict Value: 8 RealValue: 8 True

Image ID: 42

2170.8104477360525, 1885.4447751127584] Predict Value: 4 RealValue: 4

True

Image ID: 449

 $1411.0251592370705,\ 1756.4008654063002]$ 

Predict Value: 8 RealValue: 8 True

Image ID: 189

 $2357.569299087516,\,2164.1347000591254]$ 

Predict Value: 6 RealValue: 6 True

Image ID: 26

Predict Value: 6
RealValue: 6
True

Image ID: 534

1090.3042939131211, 2039.113110

Predict Value: 8 RealValue: 8 True

Image ID: 542

 $\begin{bmatrix} 1677.1836512439536, & 2404.6979020242857, & 2123.3692566296613, & 2260.4813646654998, \\ 2267.6256304778353, & 2007.582376890174, & 2014.691043311604, & 2351.2332934015712, \\ \end{bmatrix}$ 

2286.9562741775367, 2267.408432550254

Predict Value: 0 RealValue: 0 True

Image ID: 89

2318.0839070232123, 2030.6144390307088]

Predict Value: 4 RealValue: 6

False			
Image ID: 509 [2151.649134966015, 1699.8914671237103, 1935.1165339586141, Predict Value: 7 RealValue: 7 True	2128.601183876397, 1779.678622673206, 1406.450852322967]	2141.677846922828, 2089.1488697553364,	2019.6274408910174, 1305.6213080369055,
Image ID: 327 [2015.9236096638185. 2743.076557444214, 2689.901485184913, 2 Predict Value: 0 RealValue: 0 True	2703.2983557128873,	2446.287391129669, 2516.57286800919,	2680.3979182203525, 2745.2681107680537,
Image ID: 378 [2122.17317860725, 1514.023117392862, 2037.3583386336336, Predict Value: 4 RealValue: 4 True	2430.8969538012097, 2007.8568176042832, 1661.1938478094603]	2065.9857211510443, 1915.5578821847175,	2205.877149797785, 1915.9206664160183,
Image ID: 321 [2238.187883087566, 1749.030016895079, 1800.4430010416881, Predict Value: 7 RealValue: 7 True	1748.7870081859596, 1826.348542858126, 1602.6088106584214]	1773.119567316316, 1989.884418754014,	1874.5463451192666, 1318.8654214892435,
Image ID: 40 [2012.545403214546, 1828.597823470213, 1570.294558355215, 1 Predict Value: 3 RealValue: 9 False	1897.8777621332729, 1544.8278221212875, 1677.9699043785022]	1800.1647146858534, 1997.4243414958175,	1442.4707969314318, 1646.3462576262625,
Image ID: 433 [1772.9230101727485	, 2517.406006189705,	2371.4379603944944,	2358.3593873708055,

2323.126987489061, 2045.14889433508, 2406.013715671629, 2367.9797296429715]

Predict Value: 0 RealValue: 0 True

Image ID: 209

[2295.552438956688, 1173.060100762105, 1791.5473758737166, 1605.979763259799, 1694.1697081461468, 1695.3321208542

Predict Value: 1 RealValue: 1 True

Image ID: 27

2298.5110397820586,

1813.2410209346137,

1748.8218891585273,

2372.214366367424,

1773.8686535366703,

1738.5281130887702,

[2258.8917636752763, 1651.9900120763443, 1856.3205542147077, 1789.5180915542599. 1775.7254855410506. 1686.894780358277. 1966.5057843800003. 1669.0581176220317. 1567.1892036381569, 1579.0813785236023 Predict Value: 8 RealValue: 9 False Image ID: 510 [2339.701476684579, 2056.0384237654703, 1954.885418637113, 1525.6113528680887, 2042.6233132910238, 1824.5336390431391, 2302.7270789218596, 2208.3564023952295, 1724.2462121170515, 2033.00295130135 Predict Value: 3 RealValue: 3 True Image ID: 514 [2182.5730228333714, 1859.8080546120882, 1698.971159260804, 1724.344513141153, 1911.4444799679638, 1773.9546217420557, 2044.9689484195108, 1845.1883372707514, 1344.559035520568, 1807.0215826049227 Predict Value: 8 RealValue: 8 True Image ID: 594 [2334.218927178854, 1055.1516478686842, 1727.4738782395525, 1747.378894229869, 1900.2497204315016, 1710.3116675039084. 1880.6714226573445, 1831.8921911509967, 1579.6835126062435, 1807.504356841222 Predict Value: 1 RealValue: 1 True Image ID: 409 [2302.4074357072427, 2216.503327315346, 2070.0415454768054. 2327.812492448651, 1602.081458603151, 2133.4108840071103, 2095.2143088476655, 1992.3912768329417, 2118.7118728132905, 1857.3680303052488 Predict Value: 4 RealValue: 4 True Image ID: 269 [2401.1041210243257. 2176.418617821489. 2126.881519972375. 2015.2052004696693. 1809.5623780350872, 2003.201687299609. 2108.784009802806, 1931.92598201898, 2180.6294962693687, 1788.4918227378062 Predict Value: 9 RealValue: 9 True Image ID: 394 [2149.4445794204603, 1930.7099730410055. 1929.398870114731. 1580.2123275053893. 2048.0241697792535, 1788.1135310712236. 2043.7379969066485, 1882.53047784093,  $1981.4777313913976,\ 1972.463434388582]$ Predict Value: 3 RealValue: 3 True Image ID: 335 [2291.921028307913. 1210.9306338515019. 1842.3050778847678. 1765.2764655996523. 1835.2168809162583, 1622.9171266580436, 1785.4783672730398, 1754.9965811932511, 1711.3205427388523, 1717.5028384256022

Predict Value: 1 RealValue: 1

True

Image ID: 113

1981.295788114435, 1634.6733618677463]

Predict Value: 9 RealValue: 9 True

Image ID: 82

1783.0086931924925,

1836.0386706167167,

1495.821179152107, 1853.1073903041886]

Predict Value: 8 RealValue: 8 True

Image ID: 153

 $\begin{bmatrix} 1455.15566177643, & 2242.3940331707986, & 1996.0180359906572, & 1884.114911569886, \\ 2100.6977412278998, & 1716.936224791125, & 2038.0870933304102, & 2171.727653275152, \\ \end{bmatrix}$ 

1971.7149895459029, 2086.2626871992893]

Predict Value: 0 RealValue: 0 True

Image ID: 350

 $2265.534594748003,\ 2356.9550271483754]$ 

Predict Value: 0 RealValue: 5 False

Image ID: 322

Predict Value: 0 RealValue: 0

True

Image ID: 1

2520.189477003664, 2693.470809197679

Predict Value: 0 RealValue: 0 True

Image ID: 492

[2049.439191583883, 2247.0206941637184, 1964.5999592792423, 1729.5675760143054, 2253.200834368743, 1906.6559731634861, 2268.8045310250945, 2272.2204998635148,

2006.787731674678, 2188.6358765221776]

Predict Value: 3 RealValue: 3 True Image ID: 202 [2030.720069335013, 2240.499274715348, 1905.6862281078697. 2246.7267301565626, 1939.9615975580548, 1982.4984237068134, 1303.1611565727394. 2218.8499273272178, 2030.1394040804194, 1981.0704177287591] Predict Value: 6 RealValue: 6 True Image ID: 188 [1534.6015769573548, 2313.3058595870975, 2289.3730582847347. 2717.6443843888037, 2381.1738701741206, 2052.7133263074024, 2305.5183798876988, 2493.4428006272774, 2302.2988511485646, 2401.38793200932 Predict Value: 0 RealValue: 0 True Image ID: 145 [2208.973064570956, 2104.5096816123228, 2087.2671127577323, 2104.2202831452796, 1565.1610140812988, 1787.803121151767, 1927.6444174172786, 1909.9143959874223, 2000.1734924750904, 1783.3883480610723] Predict Value: 4 RealValue: 4 True Image ID: 41 [2246.945482204675, 930.8603547256699, 1750.617605303911, 1711.6936057600963, 1902.211081872882, 1651.3854789236825, 1790.0952488624732, 1745.3294817884673, 1690.9482546784216, 1754.5232970810048] Predict Value: 1 RealValue: 1 True Image ID: 444 [2283.943300522147, 2555.602864296407, 1893.4574196427022. 2309.31938025038, 2297.7602137734043, 2289.030580835477, 2291.4148467704404, 2335.6707815957284,  $2104.3158032956935,\ 2348.318334468306]$ Predict Value: 2 RealValue: 2 True Image ID: 610 [2081.723564741486, 1788.458554174516, 1932.448964397249. 1502.4000798722022. 1980.8558756254833, 1537.4735770087239, 2136.9342526151804, 1884.728097100481, 1632.1326539224683, 1827.352456424321] Predict Value: 3 RealValue: 3 True Image ID: 226 [2412.8878962769904, 2306.3761618608532, 2306.803849485257, 2167.067834655851, 1909.6499679260594, 2057.453766187712, 2313.8264844192618, 1542.5897056573403, 2167.481487810219, 1796.5912167212664 Predict Value: 7 RealValue: 7 True Image ID: 400 [2271.4695683631776, 1295.3721472997634, 1849.0570569887777, 1800.92170845931,

1882.7471949255428, 1645.6068789355495, 1815.2881313995308, 1842.6597624086764. 1763.2844353648677, 1800.4321703413323 Predict Value: 1 RealValue: 1 True Image ID: 639 [2422.6753806484267, 2414.468678612336, 2347.8287842174523, 2490.856679939655, 2255.801188048273, 2217.223037946341, 2276.055579286235, 2252.211579758882, 2075.205050109507, 2171.5330989879017 Predict Value: 8 RealValue: 8 True Image ID: 111 [1685.5886212240518, 2155.523602283213, 1804.6110384235158, 1882.8621829544509, 1677.3005097477314, 1908.2667528414365, 1744.2064098036103, 2023.290883684301, 1904.3794264799228, 1925.1921981973644] Predict Value: 5 RealValue: 0 False Image ID: 179 [2706.1330344238436, 2748.269091628402, 2511.70897995767, 2589.0312860218587, 2449.385841389633, 2572.129467970071, 2342.845918962662, 2699.4312363903623, 2637.4889573228547, 2593.4463557205113 Predict Value: 6 RealValue: 6 True Image ID: 640 [2345.75019982947, 2146.7577879211244, 1901.2806210551876, 1767.805136320177, 2029.9283238577661, 1948.3002848637066, 2175.980468662345, 2105.569044225337, 1681.3530265830552, 1997.868364032025] Predict Value: 8 RealValue: 8 True Image ID: 199 [2324.2633241524077, 2135.9089400065723, 1499.2844960180173, 2021.710414475822, 1966.82002226945. 2035.5077990516272. 1869.5761551752846, 2295.1089298767497, 1763.5657061759848, 2040.7699527384266Predict Value: 2 RealValue: 2 True Image ID: 46 [2120.6572094518247. 1790.538466495484. 1853.3005692547554. 1658.3268676590874. 1776.264056946489, 1574.5967737805129. 2007.6458851102204, 1990.4929037803677, 1776.7377409173253, 1834.591780206158 Predict Value: 5 RealValue: 3 False Image ID: 90 [2231.544532381104. 2141.684383843707. 2076.712546309672. 1818.5774660431707.2007.2055201199503. 1792.0393410860154. 1967.3413531972533, 2177.188554076105, 1945.0277632979946, 1995.8534515339547] Predict Value: 5

RealValue: 3 False

Image ID: 402

 $\begin{bmatrix} 2219.227343018286, & 2024.7278829511881, & 1956.8868132827713, & 1960.9841916751905, \\ 1393.9774029732332, & 1711.1177633348325, & 1914.8313241640894, & 1540.712497515354, \\ \end{bmatrix}$ 

1733.204546497614, 1426.2096620062564]

Predict Value: 4 RealValue: 4 True

Image ID: 431

1846.305770992443, 2163.582445852249]

Predict Value: 3 RealValue: 3 True

Image ID: 78

2073.0974410287618, 1692.0186169188564

Predict Value: 4 RealValue: 4 True

Image ID: 134

 $\begin{bmatrix} 2359.328082314963, & 1267.488855966789, & 1652.1897590773283, & 1761.932461815719, \\ 1877.5164446683284, & 1814.097296177909, & 2050.0190243019697, & 1870.1507960589702, \\ \end{bmatrix}$ 

1577.0982848256479, 1826.7892598764643]

Predict Value: 1 RealValue: 1 True

Image ID: 437

1671.2944085348936, 1320.471506697513]

Predict Value: 9 RealValue: 9 True

Image ID: 255

 $\begin{bmatrix} 2240.5352039189206, & 1175.0714871870562, & 1704.8618712376672, & 1740.2002758303424, \\ 1741.5421327088243, & 1627.8826739049716, & 1941.3400011332378, & 1791.5454222542057, \\ \end{bmatrix}$ 

1692.8821577416427, 1775.859791762852

Predict Value: 1 RealValue: 1 True

Image ID: 516

 $\begin{bmatrix} 2314.2156338595587, & 1614.0294297192972, & 1961.3235327196785, & 1687.9505324505217, \\ 1743.7365053241272, & 1626.220157297283, & 1912.5252939503832, & 1918.870761672083, \\ \end{bmatrix}$ 

1791.2749649341945, 1647.0154826230385]

Predict Value: 1 RealValue: 4 False

Image ID: 272 [1794.9590524577434. 2873.5436311286453. 2469.574862197945. 2447.0580295530385. 2663.640929254542, 2372.4860378935846, 2740.7373095574117, 2629.03347259026, 2430.9603040773827, 2604.805558962127] Predict Value: 0 RealValue: 0 True Image ID: 504 [2172.3390619330125, 1743.7694801779276, 1876.4719555591553, 1956.896522558104, 1760.9611012171733, 1769.8782443998796, 1964.5462580453534, 1549.5347688903273, 1692.7926630275783, 1603.5139537902376] Predict Value: 7 RealValue: 7 True Image ID: 74 [2351.7818776408667, 1624.868917789986, 1727.1988883738895, 1912.9189737153008, 1952.3199020652328, 1811.0267805860851, 1823.1020267664671, 2066.884854073879, 1700.7568903285385, 1949.1639233271273] Predict Value: 1 RealValue: 6 False Image ID: 222 [2130.0711255730407, 1579.6917420813468. 1519.512421798519, 1658.8263923629863. 1711.921727182642, 1537.8910884714821, 1854.1909286802154, 1769.8689217001354, 1430.1024438829547, 1687.4664441108155] Predict Value: 8 RealValue: 8 True Image ID: 419 [2166.6056401662026, 1642.519101867616, 1644.5972151259407. 1803.0399330020398, 1459.5413663202562, 1554.4381621666396, 1490.8678680553821, 1586.9035887538978, 1773.3313283196685, 1534.853087432149 Predict Value: 4 RealValue: 6 False Image ID: 37 [2217.7175203348147, 916.61769566161, 1707.2044400129705. 1727.6938386184052. 1891.908031591388, 1631.470195866293, 1820.6982177175876, 1822.6222867067108, 1663.1328870538277, 1815.8818794183724 Predict Value: 1 RealValue: 1 True Image ID: 106 [2091.2297817313142, 1621.4490432942998. 1676.370484111433. 1850.586123367405. 1727.7045465009346, 1820.30409547416,1770.6747301523226, 1636.2084219316316, 1437.5242606648417, 1686.080662364645] Predict Value: 8 RealValue: 8 True Image ID: 244 [2061.767445664035, 1635.008868477477, 1844.3896009249238, 1908.487359140741, 1572.187011776907, 1616.362892422367, 1750.0954259696812, 1743.5417976062404, 1835.1705642800616, 1686.755168956064

Predict Value: 4 RealValue: 5 False

Image ID: 290

 $\begin{bmatrix} 2156.3707937180006, & 1567.4877989955776, & 1709.5511106720385, & 1804.3829970380457, \\ 1776.2223959853675, & 1618.9172307440551, & 1819.4911376536022, & 1803.111754717383, \\ \end{bmatrix}$ 

1419.664396961479, 1767.3638561428147]

Predict Value: 8 RealValue: 8 True

Image ID: 3

2092.9937888106597, 1823.273704082851]

Predict Value: 4 RealValue: 4 True

Image ID: 326

1643.5893647745472, 1519.9618416262956

Predict Value: 9 RealValue: 9 True

Image ID: 432

1963.989052922648, 2139.3627555886824

Predict Value: 1 RealValue: 2 False

Image ID: 282

 $1987.242310338626,\ 2002.3421286083953]$ 

Predict Value: 6 RealValue: 6 True

Image ID: 218

 $\begin{bmatrix} 2241.3855090099964, & 1308.5404082411824, & 1831.143085616195, & 1878.6367397663657, \\ 1984.9372786060521, & 1670.2924893562804, & 2028.7321163721938, & 1921.6399246476954, \\ \end{bmatrix}$ 

1794.1173317261055, 1952.6394956570964

Predict Value: 1 RealValue: 5 False

Image ID: 468

1694.2275526032506, 1683.2750815003471

Predict Value: 1 RealValue: 1

T.			
True  Image ID: 98 [1831.273327496472, 2389.3515856817726, 2359.934744860544, Predict Value: 0 RealValue: 0 True		2292.2726713896845, 2246.082144535235,	2276.0828192313215, 2493.254299103884,
Image ID: 626 [2175.5436102271083 1625.522377575898, 1903.9322466936685, Predict Value: 1 RealValue: 5 False	1759.013359812824,	1871.0734886690047, 1839.7486241331994,	2002.5950664075851, 1870.6049823519663,
Image ID: 308 [1973.3235923183, 1553.9282480217676, 1899.2645945207319, Predict Value: 7 RealValue: 7 True	1976.2922354753105, 1640.813213013596, 1413.6102716095409]	2017.5366167680822, 1950.366888562252,	1954.1399642809622, 1363.9182526823226,
Image ID: 363 [2282.983136161982, 2193.1427222139464, 1819.8439493539, 219 Predict Value: 3 RealValue: 3 True		2007.347005377994, 2351.563522425027,	1454.0952513504747, 2283.516805280837,
Image ID: 177 [2097.6513056273197 2126.996944050461, 1696.948732283919, 2 Predict Value: 8 RealValue: 8 True	1967.756336541697,	$1845.9168453643842, \\ 2096.2561866336855,$	2001.395513135772, 2163.556793800431,
Image ID: 415 [2244.216121499888, 1587.7125054618673, 1788.4333926652118, Predict Value: 4 RealValue: 4 True	$2014.7171017291732, \\ 1806.835354978422, \\ 1625.6789350914282]$	1946.8882864715172, 1861.870833328671,	2110.2765221648087, 1766.9496314269968,
Image ID: 59 [2237.680048621786, 1825.2158776429708, 1707.1988753510823, Predict Value: 1 RealValue: 1 True	934.7036963658591, 1612.73928457144, 1740.8285383690147]	1781.080009432479, 1877.9677846012162,	1722.2441754873205, 1742.103613451278,

Image ID: 361

[2204.7913733503224, 1690.97397969336, 2314.634744403531, 2470.9738970697363, 2167.9409586056536. 2292.6410534577803, 1987.9929577340056. 2269.122737976066. 2142.6980655239317, 2160.7061345773054Predict Value: 2 RealValue: 2 True Image ID: 474 [2198.1651439325483, 1686.8399449858898, 1471.719402603635, 1734.9544662612907, 1723.7891402372854, 1750.2622660618608, 1790.1360283509184, 1821.9695387135318, 1803.7388946297078, 1729.55659057459] Predict Value: 2 RealValue: 2 True Image ID: 214 [2232.7839125181818, 2615.6339575712805, 2067.384821459227, 2066.258212324878, 2213.9406044426755. 2053.2242936415887, 2277.9914398434425, 2393.218961984047, 1728.2540322533605, 2146.2455591101407 Predict Value: 8 RealValue: 8 True Image ID: 135 [2181.007336072027, 1188.054712544839, 1585.7764659623374, 1664.7354144127528, 1729.0263155892105. 1835.007356933481, 1717.8736856940327, 1627.5893216656343. 1499.5882768280098, 1701.1328578332734] Predict Value: 1 RealValue: 8 False Image ID: 486 [1530.262069058761, 2645.20339482619, 2223.0573541858967. 2216.8249818152085, 2323.615932119592, 2112.4810058317685, 2282.2495481432347, 2477.307207433103, 2302.7783219406942, 2417.552894974586] Predict Value: 0 RealValue: 0 True Image ID: 148 [2413.703585778502. 2285.8298274368544. 2118.727684248261. 2310.4540679269085. 1679.9208314679595. 2069.1300104150055. 2041.6904760516468, 2209.2636782421423, 1973.1799208384418, 1952.829485643844] Predict Value: 4 RealValue: 4 True Image ID: 405 2588.338076836177.[2038.6036888027058, 2130.351379467716, 1895.6708575066507. 2558.354158438585. 1899.7334023488663. 2233.907786816636, 2591.140675455503, 2051.963693635928, 2477.5045913176427] Predict Value: 3 RealValue: 5 False Image ID: 288 [1921.2045700549434. 3190.2742828791384. 2631.5389033795414. 2606.1899393559174. 2945.4806059453185, 2906.040261248973, 2601.9548420370406, 2849.3837930331533, 2706.4351091426524, 2933.7915740556623

Predict Value: 0 RealValue: 0 True Image ID: 425 [2252.2428821066346, 1887.797658648829, 1743.0843353091095, 2061.659283198851, 1972.2370547173075, 1749.7359800838526, 2149.7141670464007,1876.5369700594763, 1597.0948625551332, 1894.2877289366577 Predict Value: 8 RealValue: 8 True Image ID: 195 [1862.9508850208585, 2298.1029132743383, 2139.2938087135203, 2361.698753016565, 2179.338202299037, 1965.1325655028975, 2047.6769764784679, 2240.8197160860577, 2292.4667936526366, 2220.3044836238114] Predict Value: 0 RealValue: 0 True Image ID: 52 [2205.0941023003984, 896.8539457459058, 1754.545525200187,1673.0239089744055, 1825.0389036949323, 1819.2682594933601, 1595.3802054682765, 1699.2566021646053, 1711.3427476692095, 1712.9243999663265] Predict Value: 1 RealValue: 1 True Image ID: 301 [1880.8516687926244, 2370.325294131588, 2096.5206891418934, 1823.514738081379, 1968.9027401067835, 2229.195819124018, 1647.2719872565065, 2144.845448977618, 1849.070306938057, 1921.2399641897937] Predict Value: 5 RealValue: 5 True Image ID: 215 [2167.512399041814, 2045.2234596737835, 1937.2635339571125, 2014.4684162329277, 1656.5980200398647, 1852.44972941238, 1818.4798596630098, 1869.4841534498225, 2041.2701927966323, 1725.4014025727463 Predict Value: 4 RealValue: 4 True Image ID: 436 [2099.346565005407, 2368.2805999289862, 2229.004710627593, 2146.864457761598, 1872.8184642404613, 2012.891949410102, 2079.877159834205, 1920.0898416480413, 2270.0162995009528, 1873.5404986281987 Predict Value: 4 RealValue: 7 False

Image ID: 18

 $\begin{bmatrix} 2098.492792458435, & 1543.894102586055, & 1758.2337728527455, & 1792.0449213119632, \\ 1653.387129501134, & 1622.0524035924363, & 1902.289935840486, & 1180.287676797483, \\ \end{bmatrix}$ 

1711.7891225264868, 1385.7474517385915

Predict Value: 7 RealValue: 7 True

Image ID: 116 [2370.03945114844, 2104.9950118705747, 2275.9554037810144, Predict Value: 7 RealValue: 7 True	2318.852733573221, 2237.848743771571, 2082.5837318100803]	2332.949849439546, 2338.5191895727517,	2402.2581043676387, 1772.703020813131,
Image ID: 168 [2295.6970618964515 2054.89464450127, 2374.482469928974, 2 Predict Value: 4 RealValue: 4 True	2412.1643807999485,	2209.482066005515, 2316.0803094884254,	2488.917033571027, 2311.150795599456,
Image ID: 161 [2188.8341645725473 1576.1928815979343, 1495.0729079212158, Predict Value: 9 RealValue: 9 True		1806.592095631994, 1835.4808634251679,	1690.4330806039025, 1425.5904040081077,
Image ID: 502 [1509.8162139810263 2087.3528690664643, 1973.0724771279945, Predict Value: 0 RealValue: 0 True		1996.363443864869, 1835.5146417285807,	1938.7000799504806, 2273.7282159484234,
Image ID: 571 [2274.4181673562143 1805.5827314194164, 1846.9260948938916, Predict Value: 1 RealValue: 5 False		1879.8691443821297, 1953.0153609226938,	1957.6442475587846, 1988.3432802209984,
Image ID: 169 [2420.3384060911812 2448.750497702859, 2330.0120171363924, Predict Value: 2 RealValue: 2 True	2510.6333862195015,	1911.133171707299, 2376.017466265768,	2417.742128515777, 2575.9943711118626,
Image ID: 206 [2153.9405748534477 1726.7967454219968, 1884.180989183364, Predict Value: 7 RealValue: 7 True	1841.6926996651748,	2060.2698852334856, 2151.6265939981313,	2021.7509737848527, 1232.6228133537038,
Image ID: 438 [2275.966388152514,	2152.4558067472603,	1492.7273696157647,	2053.9488795975426,

2084.3576948307123, 2051.65981585642, 1900.485201205208, 2133.8931557132846, 1753.9472626051218, 1980.0017676759787] Predict Value: 2 RealValue: 2 True Image ID: 176 [2777.861947613668, 2858.247714947044, 2428.273666619971, 2379.566347047293, 2636.2344357055954, 2544.21952669183, 2728.5747195193317, 2657.644822018172, 2260.4395590238637, 2578.3772028157555] Predict Value: 8 RealValue: 8 True Image ID: 538 [1574.4443464282883, 2456.176703740999, 2044.3358334676816, 2055.1827169378394, 2205.659538550771, 1974.1927464156076, 2131.902436792078, 2442.9011441317066, 2165.6590220992775, 2330.9592446029596] Predict Value: 0 RealValue: 0 True Image ID: 93 [2247.607617000797, 1817.2377389873895, 1680.2874754041345, 1904.8031394346242, 1635.5002292876636, 1658.4957039437877, 1477.9928957880684, 1711.5901962794715, 1782.582957396373, 1655.7282385705694] Predict Value: 6 RealValue: 6 True Image ID: 314 [2101.0295095500205, 1801.8762443630806, 1873.209812060571, 1423.0523532182503, 1812.154518797997, 1559.2783587288063, 1915.7927862897907. 1907.5680852855553, 1745.007449840831, 1737.4984892079763 Predict Value: 3 RealValue: 3 True Image ID: 71 [2178.7179716521364, 1559.9349345405403, 1879.9361691291542, 1755.556606891387. 1504.410515783508. 1520.487421848665. 1761.9123133686307, 1522.7090989417513, 1660.9846477315798, 1283.8356592648454Predict Value: 9 RealValue: 9 True Image ID: 283 [2143.4136325030686. 1674.9050719369143. 1836.416074858854. 1830.2270350970123. 1435.6479373439715, 1607.4849921538926, 1793.363599496767, 1606.442342569443, 1621.6688934551344, 1236.0016181219182 Predict Value: 9 RealValue: 9 True Image ID: 369 [2034.8402885730368. 2071.979488315461. 2144.3647077864343. 2246.2764745240065, 2085.555561475167. 2009.2762378528244. 1987.1743758412345, 2259.7601642652257, 2199.395598795269, 2213.304542985443] Predict Value: 6

RealValue: 6 True

Image ID: 280

Predict Value: 9 RealValue: 9 True

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Image ID: 306

 $2039.8298948686872,\,2163.2475586488017]$ 

Predict Value: 2 RealValue: 2 True

Image ID: 47

2000.422705330051, 1649.1103662278035

Predict Value: 7 RealValue: 7 True

Image ID: 15

1725.7612812900861, 1623.2239525093264] Predict Value: 1

RealValue: 1
True

Image ID: 442

Predict Value: 6 RealValue: 6 True

Image ID: 79

Predict Value: 1 RealValue: 1 True

Image ID: 568

[2383.253238747406, 2473.5393669800364, 2144.970396066109, 1983.5687535349007, 2231.82100536759, 2149.836272835678, 2523.9082788405763, 2282.872970622763, 2104.8311096142606, 2281.352668922541]

Predict Value: 3 RealValue: 3 True

Image ID: 336 [2322.5938086544534. 1954.0806022270422. 1964.8893098594638. 1945.8394075565434. 1747.1831615488973, 1909.1202162252644, 2155.029234140456, 1130.9946949477703, 1835.3168663748502, 1483.842309681187] Predict Value: 7 RealValue: 7 True Image ID: 51 [2204.6172003320667, 2624.8222796981895, 2241.189193263255, 2058.004373173196, 2356.5674189379774, 2637.312268200336, 2154.6946419388523, 2297.17652782715, 2242.956308089839, 2423.028889633799] Predict Value: 3 RealValue: 5 False Image ID: 529 [2167.0223810565503, 1134.8528538978082, 1785.02605023008, 1736.1402593108658, 1612.3284404859949. 1709.523032895433, 1532.6349858984688, 1783.7334442118868, 1771.5597647271175, 1649.4186854767954] Predict Value: 1 RealValue: 1 True Image ID: 276 [1505.3740398983903, 2112.56053167714. 2449.5709828457716. 2112.6819448274746. 2214.0578131566485, 1912.6497327006846, 2108.406507294075, 2395.0486425122976, 2165.7855387826376, 2298.2134365632796] Predict Value: 0 RealValue: 0 True Image ID: 551 [2148.4084807131067, 1710.245011686922, 1913.7755876800184. 1755.0584035866157. 1800.805930687702, 1584.726159309551, 1941.917608962852, 1856.011314620684, 1567.6954423611749, 1655.1431962220067 Predict Value: 8 RealValue: 8 True Image ID: 324 [2272.5751912753076, 2310.45601559519, 1776.2854500332992. 2117.9143042153523, 2283.5457078849986, 2151.1680548018558. 2237.1403621587983, 2509.0984436645763, 2007.3554742496408, 2405.4966223214697] Predict Value: 2 RealValue: 2 True Image ID: 457 [1996.4345719306707, 2522.7183750866843. 2034.8697747030399. 2251.486175840305. 1912.0047071071765, 2171.0829095177364. 2032.173220963213, 2044.3042826350484, 2105.746186034775, 1884.6445288170394] Predict Value: 9 RealValue: 9 True Image ID: 459 [2434.067172450259, 2190.6962363595735, 2116.139173116929, 1896.244182588308, 2283.6339461481125,2018.13973748103, 1994.9523803840532, 1771.0488417883907, 2114.7021066807497, 1892.0298623436154]

Predict Value: 7 RealValue: 2 False

Image ID: 383

[2289.2040101310326, 1732.6624022007288, 2158.2789439736466, 1876.6592658231807, 2055.583372184159, 1961.985728796211,

2070.210858825738, 1925.0961014972734]

Predict Value: 2 RealValue: 2 True

Image ID: 613

[2517.883039380503, 2369.571691255616, 2415.5833663941303, 2107.078546234098, 2286.1353853173264,

2211.2093975921866, 2010.8542960642374]

Predict Value: 7 RealValue: 7 True

Image ID: 212

[2148.272794595696, 1754.952990823401, 1266.7197795882087, 1714.8880429928947, 1933.3098561792933, 1602.162913064711, 1960.9857215186448, 1918.8374084325123, 1752.5353063490618, 1856.395970691598

2425.6112631664623,

2116.8623006704993,

1972.6778753765147,

2438.1899023660976,

1677.501117734352,

Predict Value: 3 RealValue: 3

True

Image ID: 471

[2310.2701140775725,2265.4635287287238, 1876.5036637321016, 2041.992899106165, 1802.9500825036725, 1867.5475897550778, 1350.6024581645038, 2050.8303196510433, 1946.9257818417218, 1858.8657832129786

Predict Value: 6 RealValue: 6 True

Image ID: 208

[2208.7931093699112, 1924.4864249975888, 1987.8840509446218, 2097.8207740414814, 1826.5940983152223, 1850.4175204531543, 2071.3869749518076, 1490.7025189487003,

1846.3810549288032, 1703.3974873763316]

Predict Value: 7 RealValue: 7 True

Image ID: 344

[1798.786257452508, 2695.549851143547. 2309.881382235893. 2484.024758330722, 2358.377196294096. 2178.6798755209543. 2258.548427641081, 2453.366055035408,

2431.8601933499385, 2395.5942895240005

Predict Value: 0 RealValue: 0 True

Image ID: 476

[2210.2094923332493, 1054.8739261162918, 1803.0707140874981, 1736.7420649019818, 1859.1602943264468. 1827.2807666037531, 1576.297560741626, 1801.6434164395573,

1646.5837361033298, 1747.7402553011132

Predict Value: 1 RealValue: 1

True		
Image ID: 522 [2284.421808685953, 1037.0053037472856, 1832.4409949572728, 1728.313918245178, 1666.2481807942056, 1796.1539466315241] Predict Value: 1 RealValue: 1 True	1639.9070095587738, 1924.368467835617,	1758.2400291200288, 1751.0665321454808,
Image ID: 532 [2372.7553603353213, 1939.1211927056029 1976.0766685531207, 1954.615563224646, 1836.4748841190287, 1982.8847672015638] Predict Value: 6 RealValue: 6 True	, 1751.017989627748, 1670.9156172589926,	1968.3330510866294, 2116.214308618104,
Image ID: 38 [2268.936314663768, 976.0035860589858, 1852.3582266937462, 1689.250129495333, 1667.571887505903, 1814.3819884467548] Predict Value: 1 RealValue: 1 True	1666.2982926235027, 1896.9836583376252,	1744.580465326836, 1828.3213612491652,
Image ID: 360 [2158.2668973044088, 1310.2331853528974 1984.3711850357029, 1714.5553359399048, 1705.0994105916523, 1893.5580265732551] Predict Value: 1 RealValue: 2 False	, 1609.422877928607, 1702.8620026296906,	1642.2122274541741, 1962.1551926389513,
Image ID: 130 [2370.966469606856, 2639.8695043505463, 1976.4450409763485, 2352.106715266125, 2497.5620112421634, 2277.9381027587206] Predict Value: 4 RealValue: 4 True	$2334.812626315011, \\ 2262.0369139339878,$	2510.932296976563, 2431.732098731273,
Image ID: 129 [1880.1880225126422, 2467.4926544976784 2331.7890127539413, 1986.2419288696933, 2316.7509576991656, 2343.013230863198] Predict Value: 0 RealValue: 0 True		2308.3821174147056, 2506.2449999950127,
Image ID: 29 [2383.3444988083447, 2445.4386109653215, 2017.9732406550886, 2132.4415584020117, 2230.310516497647, 1866.0013397637206] Predict Value: 7 RealValue: 7 True		2180.2174203505483, 1579.9683541134614,

Image ID: 364

[2396.0815929345977 2025.0387650610544, 2499.542958222563, 2 Predict Value: 4 RealValue: 4 True	2356.828589439631,	2293.567744802843, 2318.8617897580702,	2485.9722444146473, 2377.438958206919,
Image ID: 423 [2315.222883439087, 1481.9048552454371, 1660.536961347142, Predict Value: 9 RealValue: 4 False	1582.9794692288338, 1645.445532371096, 1428.034663444834]	1873.8182942857613, 1901.8186033373424,	1773.6482176576053, 1660.189748191453,
Image ID: 367 [2073.163042309987, 1921.4078172007107, 1693.3419619202732, Predict Value: 1 RealValue: 5 False	$1436.5507300474983, \\ 1552.4203683281148, \\ 1785.1663788005867]$	1861.9304498288866, 1984.9967254381052,	1774.229410194747, 1728.69719731363,
Image ID: 570 [2146.6615941969058 1994.8340783132817, 1786.5004897844276, Predict Value: 6 RealValue: 6 True		1916.4159256278372, 1625.1489162535229,	1770.9265936226718, 2176.115575974769,
Image ID: 295 [2175.353994181177, 1769.8361506082986, 1731.0693227020113, Predict Value: 1 RealValue: 1 True	$1286.7680443654172, \\ 1529.91078171245, \\ 1657.5901182137882]$	1821.6023166432349, 1773.615516395817,	1703.4265466993286, 1682.0439946683916,
Image ID: 354 [1952.4144027331902 2291.169352099491, 2102.4595120952986, Predict Value: 2 RealValue: 2 True	2169.728554450994,	1791.2487264475585, 2009.8748717270933,	$2324.328505181658, \\ 2288.1269632605618,$
Image ID: 453 [2132.918423193911, 2188.3564609085056, 1738.5399046326202, Predict Value: 3 RealValue: 5 False	2381.4088267242146, 1762.4786523529867, 1975.5128448076464]	2181.195314500744, 2172.4755464676696,	1627.4624419629474, 2192.667781493585,
Image ID: 105 [2130.663042341515, 2023.548368584255, 1534.1678526158732,	2123.7353884135377, 1789.1212927020906, 1971.4859877767328]	1908.71553668953, 2084.73163740564,	2009.530293377037, 2056.9453079749105,

Predict Value: 8 RealValue: 8 True Image ID: 14 [2226.643438002591, 2051.396353706421, 1756.0102505395575, 2430.650118795381, 2287.94624062717, 2393.111781760309,2113.8157440988084, 2283.174544357045, 2125.801731112288, 2318.2219479592545] Predict Value: 3 RealValue: 3 True Image ID: 257 [2302.593320584423, 1035.774589377438, 1685.5325567902864, 1753.3279784455617, 1923.4944762073012, 1765.8227544122315, 1969.7804446181306, 1820.9802305351918, 1646.430077470647, 1847.263381329257] Predict Value: 1 RealValue: 1 True Image ID: 320 [2320.5266643587615, 2247.30416276925, 1728.4898032675808, 2388.7111587632357, 2242.2107394266045, 1880.4611136633482, 2019.5794116597644, 2322.761503039001, 2041.5445133525745, 2145.5651936028416] Predict Value: 3 RealValue: 3 True Image ID: 392 [2441.310713530746, 2435.4061262959817, 2218.474250470354, 1593.2730462792622, 2436.9482965381108, 2077.9076014106113, 2530.3148025492796, 2417.7168982327107, 2091.586479206633, 2325.9703351504722] Predict Value: 3 RealValue: 3 True Image ID: 33 1962.534330909908, [2144.7729483560724, 2036.0844776187455, 2084.5248859152534, 1513.011566380112, 1780.7209214248032, 1825.844462159907, 1583.7221978617335, 1732.1411605293606, 1412.2531642733181] Predict Value: 9 RealValue: 9 True Image ID: 103 [2223.886687760867, 1868.5796745121681, 1774.0961078814191, 1814.797233852862, 1641.9540188446204, 1708.8264979218925. 1998.1624058119, 1237.3677707132993, 1812.9136769300408, 1381.6106542727587 Predict Value: 7 RealValue: 7 True Image ID: 527 [2264.621381158449, 1015.9296235468282, 1759.2856504843096, 1769.0791389872868, 1793.4505847666949. 1601.701595179327. 1739.8422342270003, 1763.9214835133678, 1683.982779009334, 1721.043288241176] Predict Value: 1

RealValue: 1

Image ID: 450 [2199.2660139237364, 2252.328572833014. 2043.8622752034933, 2276.152894688755, 1539.3498627667461. 2022.0269533317305. 2001.6208432168166, 1858.8340431571614, 2039.3275852594159, 1769.2255367815603 Predict Value: 4 RealValue: 4 True Image ID: 539 [2118.6306898560683, 1679.3722041286737, 1923.2092969825203, 1626.5346599442632, 1804.7861369148422, 1518.2615058019485, 2034.4082677771441, 1766.607766313734,  $1627.018131429395,\ 1705.7338596627553]$ Predict Value: 5 RealValue: 5 True Image ID: 654 [1834.7403085995577, 2248.797011737609, 2391.751868401068, 2172.920845313975, 1866.821630472499, 1991.5642093590657, 2146.8993921467304, 1785.9980403124746, 2217.2086054316133, 1747.4787552356681] Predict Value: 9 RealValue: 7 False Image ID: 524 [2408.1395308411843, 2831.8448050696566, 2364.264790585014. 2562.830661592763. 2015.816211860595, 2458.2660555765724, 2320.2708893575336, 2504.359598779696, 2529.163498075994, 2312.3732397690474] Predict Value: 4 RealValue: 4 True Image ID: 565 [2162.0293707533206, 1912.6437200900748, 1999.3461431177943, 1481.3257575563857, 1962.103463123186, 1564.782732522314, 2006.2985819663033, 1903.5004596794822, 1802.6549864020014, 1852.4095119600308] Predict Value: 3 RealValue: 3 True Image ID: 347 [1763.180365135683, 2161.8288553907314, 2065.796456575526. 1855.1156298193382. 2051.0899541463314, 2187.765983829166, 1710.366335028844, 2208.7272353099647, 2022.3127849074187, 2146.382305182374 Predict Value: 5 RealValue: 5 True Image ID: 554 [2218.393337530565, 2212.027576681629, 2033.9609140787343, 1918.4108006368187. 1581.6023520468095, 1870.6953252734663, 2028.152361140553, 1727.2909424876864, 1795.4974241139973, 1310.4766308484864] Predict Value: 9 RealValue: 9 True Image ID: 146 [1709.5867921810814, 2269.862110349437, 2096.114739225885, 1822.4209173514223,

2193.0348834434894, 1789.9058634464552, 2073.705379266785. 2255.2716022687823, 1982.4936317678298, 2154.659369830879] Predict Value: 0 RealValue: 0 True Image ID: 64 [2302.5042888125095, 2563.0542327465487, 2076.9010568633257, 2434.552320242882, 2087.1490124090324, 2217.837234785276, 1571.828552991706, 2458.52333729009, 2260.734836286644, 2177.7139389736203 Predict Value: 6 RealValue: 6 True Image ID: 410 [2435.612859220447, 2373.349742452637, 1822.7172024206059, 2289.635123769724, 2254.478431921672, 2310.937904834312, 2124.973646895415, 2351.0131858413724, 2149.779988743034, 2193.216815547428] Predict Value: 2 RealValue: 2 True Image ID: 312 [2107.210952894845, 2466.1709186510166, 2032.5939092696308, 2346.674881614409, 2176.9632518717444, 2150.665013431892, 2064.831954421473, 2369.6782482016415, 2385.5879778369103, 2320.862339734953 Predict Value: 2 RealValue: 2 True Image ID: 420 [2295.1904060447796, 2027.3610926522192, 2353.2411691112325, 2276.0030755690996, 1729.9184951898746, 2209.263451922382, 2055.3306303366376, 2080.8008073816195, 2221.2804865662506, 1975.8443764628832 Predict Value: 4 RealValue: 4 True Image ID: 540 [2233.436813523051, 1105.7734849416493, 1665.544355458599. 1748.2731479949007. 1743.1910394446159. 1651.0699561193644. 1920.7782276983462, 1757.584421869971, 1694.512909363632, 1765.8244533361747Predict Value: 1 RealValue: 1 True Image ID: 608 [2312.3766994155603. 1249.8619923815588. 1698.6323910723002. 1646.6478069095406. 1840.1970003236067. 1725.8881771424242, 1844.321826580166, 1910.8765004573163. 1619.5487025711823, 1787.2627115228472 Predict Value: 1 RealValue: 7 False Image ID: 373 [1526,2774977047916, 2204.7732309695707. 2118.5244865235804. 2577.7451386822554, 2285.392307679362. 1942.0553545149016. 2169.5137704103195, 2419.161838323348, 2209.672600183113, 2333.9693656944173] Predict Value: 0

RealValue: 0 True Image ID: 382 [2258.310651792618, 2267.893736487669, 1918.4715270235313, 2136.7358283138324, 1590.342730357202, 2015.5269782367093, 1895.953585929782, 1946.380230068113, 2113.5621590102337, 1836.1571283525818 Predict Value: 4 RealValue: 4 True Image ID: 491 [2263.7091244238954, 1076.1468301305356, 1665.021020888325, 1754.9831908026927, 1745.9822450414551, 1679.7478977513263, 1914.9673626461627, 1738.2404896906526, 1679.171521911922, 1756.790539592014] Predict Value: 1 RealValue: 1 True Image ID: 156 [2084.1137205056734, 1950.0017948709688, 1914.6957982927731, 1983.3237254669243, 1781.4979651967049, 1840.7520202352082, 2028.9832429076391, 1270.1515657589846, 1916.777504041614, 1581.2691105564543 Predict Value: 7 RealValue: 7 True Image ID: 352 [1964.4604857313877, 2510.0609554351463, 1992.126251019247, 2131.5623378170294, 1863.4060212417476, 1983.8727277726261, 1763.3071201580285, 2046.4496084682858, 2140.323573668243, 1969.3366903604879] Predict Value: 6 RealValue: 6 True Image ID: 39 [2161.8674797498575, 2018.4731853557034, 1968.056147573031, 2029.7384067903922, 1855.7677656431044, 1676.9245659838132, 1343.103867911935, 1753.062748449125, 1830.6564396412562, 1456.7110214452282 Predict Value: 4 RealValue: 4 True Image ID: 76 [2309.8101653599156, 1964.9076314168053, 1944.955269408528, 1961.091022874767. 1792.1074186554779, 1638.0280827873496, 1883.8258942906587, 1488.9969778344077, 1758.4393648914938, 1453.8111981959694 Predict Value: 9 RealValue: 7 False Image ID: 43 [2094.7116746702873, 2251.560791984085, 1992.0554711151997. 2191.3831248779843. 1995.5112126971374, 2074.728897952694, 1893.7697853751918, 1906.9840062255373, 1989.231761258602, 1815.5145276202006 Predict Value: 9 RealValue: 4

False

Image ID: 254 [2300.624263107733. 1793.0429442709953. 1861.6148903572941. 1828.0155907431424. 1752.0570766958479, 1539.9009708419565. 1914.60100282017, 1479.9233088238052, 1871.3385583586953, 1506.43552799315] Predict Value: 7 RealValue: 7 True Image ID: 172 [2205.0553281040366, 1940.802926625988, 1730.755615331061, 1955.4810149934976, 1892.2362431789536, 1896.5460711514497, 2068.4153354681935, 1741.1249237202942, 1789.852787242571, 1841.0293316511825] Predict Value: 2 RealValue: 7 False Image ID: 518 [2104.6355979123796, 1862.2840814440744, 2073.2657813218257, 2032.7375629923308, 1836.0321347950312, 1667.2999130330452, 1982.654785886842, 1852.44972941238, 1884.4020271693616, 1758.2380384919443] Predict Value: 5 RealValue: 5 True Image ID: 268 [2143.262233139006. 1894.137270632728. 2140.455091797069, 2092.3582389256385, 2160.006018510134, 1706.984768531928, 2162.8767879840034, 2174.0850949307387, 1593.1437474377508, 1962.6887170409882] Predict Value: 8 RealValue: 8 True Image ID: 65 [2218.590318197571, 1666.895917566541, 1766.790593137738, 1455.681283798071, 1882.465404728597, 1642.1330640359204, 1971.7007886593747, 2018.0089197027846, 1723.9260424971833, 1865.3141826512765 Predict Value: 3 RealValue: 3 True Image ID: 441 [2260.9201666578147, 1853.402007120959, 2005.844460570161. 1792.5766371343793. 1694.3237589079604, 1591.2045751568212, 1917.5450451032434, 1525.4799244827839, 1738.9462326363055, 1413.170194987143] Predict Value: 9 RealValue: 9 True Image ID: 316 [2021.9230944820824, 2415.8571977664574, 2013.4589640715303. 1573.2361551909491. 2474.177439069397, 2435.4970745209284. 1918.039363516818, 2355.408244869666, 1988.5801467378678, 2350.220202449124] Predict Value: 3 RealValue: 3 True Image ID: 137 [2077.5143802149723, 1856.0622295602052, 1914.2889019163226, 1479.7313945442936, 2070.4562299164886, 1673.0750132615094, 2061.7980017450786, 2028.339961643511, 1984.9433241279207, 2042.5126682593673

Predict Value: 3 RealValue: 3 True

Image ID: 359

 $\begin{bmatrix} 2309.0779545091154, & 1841.9690551146618, & 1752.8208693417591, & 1870.6843667492387, \\ 1917.941604950474, & 1924.1327916752523, & 2118.6080335918678, & 1495.9010662473638, \\ \end{bmatrix}$ 

1728.6957511372555, 1703.9674292661816

Predict Value: 7 RealValue: 7 True

Image ID: 34

 $\begin{bmatrix} 2387.025764418977, & 2033.5473931039817, & 1884.274926861789, & 2157.1502033933566, \\ 1843.5566169770866, & 2025.5996642969706, & 1771.032184913645, & 1813.3287071019417, \\ \end{bmatrix}$ 

1938.9074242985403, 1864.516559325768

Predict Value: 6 RealValue: 2 False

Image ID: 498

1934.1835486840437, 1894.671475480644]

Predict Value: 5 RealValue: 5 True

Image ID: 428

1838.666092579074, 1791.1122242897009]

Predict Value: 4 RealValue: 4 True

Image ID: 412

2400.141870806807, 2455.22768801592

Predict Value: 0 RealValue: 0 True

Image ID: 429

1735.1593586757385, 1418.2877000101214]

Predict Value: 7 RealValue: 9 False

Image ID: 393

 $\begin{bmatrix} 2148.9990693343725, & 1779.4358656608, & 1905.5962321541256, & 1897.9799788195871, \\ 1693.1396870902295, & 1682.832433725949, & 1934.5464584754743, & 1238.0557338019964, \\ \end{bmatrix}$ 

1763.078273928869, 1492.1980431564705]

Predict Value: 7 RealValue: 7

True		
Image ID: 458 [2106.9216881507487, 1931.7261710708378, 1691.3332019445488, 1717.7715214777547, 1625.9984624838978, 1527.7313245463026] Predict Value: 9 RealValue: 3 False	1858.4609223763625, 2040.4117231578532,	1728.947078426636, 1646.8102501502715,
Image ID: 377 [2048.160638231289, 1895.0712387665008, 1921.1660521672768, 1621.0632313392343, 1799.287636816304, 1911.8059524962255] Predict Value: 3 RealValue: 8 False	1804.505472421738, 1673.7685025116227,	1597.4971048487068, 2020.280921060237,
Image ID: 372 [2237.01430482686, 1767.1230856960701, 1488.8626531685184, 1607.3851436416849, 1653.029037857472, 1218.6258654730746] Predict Value: 9 RealValue: 9 True	1930.9932677251882, 1853.6218600351044,	1853.8333258413497, 1453.1586286431361,
Image ID: 550 [2233.470617671072, 2603.3205718850686, 2064.8520528115328, 2103.3014524789355, 2191.1008648622274, 2166.492326319205] Predict Value: 6 RealValue: 6 True	2049.7616934658527, 1693.7496863468343,	2232.1424685713946, 2486.603707871441,
Image ID: 95 [2255.0139689146054, 2070.430148544017, 1830.7771573842624, 1850.6793347308983, 1865.1391369010516, 1608.9586694505238] Predict Value: 7 RealValue: 9 False	2190.589874896714, 2183.141543739205,	1987.8654381018853, 1496.7120631571056,
Image ID: 7 [2280.871982378669, 2152.740114365875, 2033.244697521673, 1906.9239628259959, 2044.2306621318446, 1942.2468947072614] Predict Value: 3 RealValue: 3 True	2105.883899933707, 2313.1342373498346,	$1886.7336854998905, \\ 2029.1890005615544,$
Image ID: 140 [2315.5476673996586, 982.7532752425708, 1945.5220379116759, 1707.0990012298641, 1636.589441491054, 1782.5176015961245] Predict Value: 1 RealValue: 1 True	1748.1862028971627, 1824.9904109337124,	1741.7428053533047, 1796.4281226923608,

Image ID: 239

[2557.6805899095375, 1978.796098641798, 2264.0050794996023, 2453.4903708798206, 2784.1822856989806. 2459.5926492002695. 2345.139867897009. 2869.110140792786. 2364.20092208763, 2755.265504447802 Predict Value: 2 RealValue: 2 True Image ID: 597 [2178.0787405417645, 2036.2529312440536, 2007.3686756547736, 1760.1028379046493, 1896.1065370912047, 1755.2204989687193, 2127.3579858594558, 2054.8547393915705, 1881.3742317784624, 1944.5516192685654] Predict Value: 5 RealValue: 3 False Image ID: 647 [2316.245237447883, 2210.9647215638697, 1937.471548178192, 1693.2043586053044, 2042.405689377113, 1891.7362395429232, 1950.3766302947747, 2250.5565978219697, 1866.4597504366388, 2024.8812310849246] Predict Value: 3 RealValue: 8 False Image ID: 519 [2079.5309567303875, 1783.2728338647455, 1690.0062130063309, 1608.3550603022952, 2010.6237838044192, 1617.2090155573583, 1975.2741581866553, 2062.457272284689, 1412.8046574102168, 1883.1481619883232] Predict Value: 8 RealValue: 8 True Image ID: 253 [2075.913292986969, 2496.830590969279, 2253.920584226516, 1789.1084371831687. 2474.767665862798, 2083.318986617268, 2314.1385006088117, 2355.0382162504284,  $2150.444605192145,\ 2366.304714105941]$ Predict Value: 3 RealValue: 3 True Image ID: 475 [2499.9675997900454. 2267.3312506116085. 2326.6546800073274. 2183.8065390505635. 1794.8139179313268, 2083.415465047718, 1945.3393020241995, 2179.021569420551, 1945.8936250473714, 1717.9522694184493 Predict Value: 9 RealValue: 9

## ۳ محاسبه دقت پیش بینی

در پایان دقت پیش بینی را با استفاده از معیار ارزیابی تعداد صحیح ها تقسیم بر تعداد کل محاسبه نمودیم و این عدد ۵.۷۹

True