Processing Scheduling Algorithm

Operating Systems - CS 149 - Section 01

Homework #2

Team: Cache City

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The purpose of this assignment is to analyze the differences between six process scheduling algorithms.

Pre scheduled process lists:

\_List1\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

[Name: 9 --> Arrival Time: 4.925418, Run Time: 5.064400, Priority: 4, Final runtime: 5.064400, Time started: -1, Turn Around time: -5.925418, Waiting time: -5.925418, Responce time: 0.000000]

[Name: 23 --> Arrival Time: 7.187342, Run Time: 7.212043, Priority: 4, Final runtime: 7.212043, Time started: -1, Turn Around time: -8.187342, Waiting time: -8.187342, Responce time: 0.000000]

[Name: 6 --> Arrival Time: 12.392183, Run Time: 2.695546, Priority: 3, Final runtime: 2.695546, Time started: -1, Turn Around time: -13.392183, Waiting time: -13.392183, Responce time: 0.000000]

[Name: 29 --> Arrival Time: 13.791719, Run Time: 3.910492, Priority: 3, Final runtime: 3.910492, Time started: -1, Turn Around time: -14.791719, Waiting time: -14.791719, Responce time: 0.000000]

[Name: 11 --> Arrival Time: 14.484687, Run Time: 9.379268, Priority: 2, Final runtime: 9.379268, Time started: -1, Turn Around time: -15.484687, Waiting time: -15.484687, Responce time: 0.000000]

[Name: 13 --> Arrival Time: 19.298260, Run Time: 4.874197, Priority: 2, Final runtime: 4.874197, Time started: -1, Turn Around time: -20.298260, Waiting time: -20.298260, Responce time: 0.000000]

[Name: 5 --> Arrival Time: 19.485447, Run Time: 7.669930, Priority: 1, Final runtime: 7.669930, Time started: -1, Turn Around time: -20.485447, Waiting time: -20.485447, Responce time: 0.000000]

[Name: 26 --> Arrival Time: 21.329271, Run Time: 3.649921, Priority: 2, Final runtime: 3.649921, Time started: -1, Turn Around time: -22.329271, Waiting time: -22.329271, Responce time: 0.000000]

[Name: 19 --> Arrival Time: 25.019398, Run Time: 1.053892, Priority: 4, Final runtime: 1.053892, Time started: -1, Turn Around time: -26.019398, Waiting time: -26.019398, Responce time: 0.000000]

[Name: 17 --> Arrival Time: 30.453205, Run Time: 9.863605, Priority: 1, Final runtime: 9.863605, Time started: -1, Turn Around time: -31.453205, Waiting time: -31.453205, Responce time: 0.000000]

[Name: 28 --> Arrival Time: 31.372057, Run Time: 3.691433, Priority: 1, Final runtime: 3.691433, Time started: -1, Turn Around time: -32.372055, Waiting time: -32.372055, Responce time: 0.000000]

[Name: 18 --> Arrival Time: 39.221970, Run Time: 8.495983, Priority: 4, Final runtime: 8.495983, Time started: -1, Turn Around time: -40.221970, Waiting time: -40.221970, Responce time: 0.000000]

[Name: 27 --> Arrival Time: 40.346405, Run Time: 1.581864, Priority: 3, Final runtime: 1.581864, Time started: -1, Turn Around time: -41.346405, Waiting time: -41.346405, Responce time: 0.000000]

[Name: 16 --> Arrival Time: 44.568787, Run Time: 5.771325, Priority: 3, Final runtime: 5.771325, Time started: -1, Turn Around time: -45.568787, Waiting time: -45.568787, Responce time: 0.000000]

[Name: 0 --> Arrival Time: 48.764870, Run Time: 5.270681, Priority: 3, Final runtime: 5.270681, Time started: -1, Turn Around time: -49.764870, Waiting time: -49.764870, Responce time: 0.000000]

[Name: 21 --> Arrival Time: 49.046703, Run Time: 2.520334, Priority: 4, Final runtime: 2.520334, Time started: -1, Turn Around time: -50.046703, Waiting time: -50.046703, Responce time: 0.000000]

[Name: 4 --> Arrival Time: 49.464642, Run Time: 6.061419, Priority: 2, Final runtime: 6.061419, Time started: -1, Turn Around time: -50.464642, Waiting time: -50.464642, Responce time: 0.000000]

[Name: 7 --> Arrival Time: 54.120785, Run Time: 2.570696, Priority: 1, Final runtime: 2.570696, Time started: -1, Turn Around time: -55.120785, Waiting time: -55.120785, Responce time: 0.000000]

[Name: 3 --> Arrival Time: 56.930782, Run Time: 6.835036, Priority: 2, Final runtime: 6.835036, Time started: -1, Turn Around time: -57.930782, Waiting time: -57.930782, Responce time: 0.000000]

[Name: 24 --> Arrival Time: 59.348339, Run Time: 2.045399, Priority: 3, Final runtime: 2.045399, Time started: -1, Turn Around time: -60.348339, Waiting time: -60.348339, Responce time: 0.000000]

[Name: 15 --> Arrival Time: 64.046173, Run Time: 9.893097, Priority: 1, Final runtime: 9.893097, Time started: -1, Turn Around time: -65.046173, Waiting time: -65.046173, Responce time: 0.000000]

[Name: 22 --> Arrival Time: 66.782272, Run Time: 9.908050, Priority: 2, Final runtime: 9.908050, Time started: -1, Turn Around time: -67.782272, Waiting time: -67.782272, Responce time: 0.000000]

[Name: 25 --> Arrival Time: 67.546425, Run Time: 8.079882, Priority: 3, Final runtime: 8.079882, Time started: -1, Turn Around time: -68.546425, Waiting time: -68.546425, Responce time: 0.000000]

[Name: 2 --> Arrival Time: 71.514458, Run Time: 1.566026, Priority: 2, Final runtime: 1.566026, Time started: -1, Turn Around time: -72.514458, Waiting time: -72.514458, Responce time: 0.000000]

[Name: 20 --> Arrival Time: 71.879150, Run Time: 2.021133, Priority: 3, Final runtime: 2.021133, Time started: -1, Turn Around time: -72.879150, Waiting time: -72.879150, Responce time: 0.000000]

[Name: 10 --> Arrival Time: 72.426041, Run Time: 7.558718, Priority: 4, Final runtime: 7.558718, Time started: -1, Turn Around time: -73.426041, Waiting time: -73.426041, Responce time: 0.000000]

[Name: 14 --> Arrival Time: 74.196373, Run Time: 9.996988, Priority: 3, Final runtime: 9.996988, Time started: -1, Turn Around time: -75.196373, Waiting time: -75.196373, Responce time: 0.000000]

[Name: 1 --> Arrival Time: 84.370430, Run Time: 4.440268, Priority: 1, Final runtime: 4.440268, Time started: -1, Turn Around time: -85.370430, Waiting time: -85.370430, Responce time: 0.000000]

[Name: 8 --> Arrival Time: 85.440636, Run Time: 0.865796, Priority: 2, Final runtime: 0.865796, Time started: -1, Turn Around time: -86.440636, Waiting time: -86.440636, Responce time: 0.000000]

[Name: 12 --> Arrival Time: 95.894173, Run Time: 2.012767, Priority: 4, Final runtime: 2.012767, Time started: -1, Turn Around time: -96.894173, Waiting time: -96.894173, Responce time: 0.000000]

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[Name: 53 --> Arrival Time: 4.901030, Run Time: 0.386159, Priority: 3, Final runtime: 0.386159, Time started: -1, Turn Around time: -5.901030, Waiting time: -5.901030, Responce time: 0.000000]

[Name: 44 --> Arrival Time: 7.249442, Run Time: 3.409812, Priority: 1, Final runtime: 3.409812, Time started: -1, Turn Around time: -8.249442, Waiting time: -8.249442, Responce time: 0.000000]

[Name: 57 --> Arrival Time: 9.628675, Run Time: 8.690220, Priority: 1, Final runtime: 8.690220, Time started: -1, Turn Around time: -10.628675, Waiting time: -10.628675, Responce time: 0.000000]

[Name: 40 --> Arrival Time: 9.710154, Run Time: 4.863162, Priority: 3, Final runtime: 4.863162, Time started: -1, Turn Around time: -10.710154, Waiting time: -10.710154, Responce time: 0.000000]

[Name: 49 --> Arrival Time: 14.675604, Run Time: 9.368105, Priority: 2, Final runtime: 9.368105, Time started: -1, Turn Around time: -15.675604, Waiting time: -15.675604, Responce time: 0.000000]

[Name: 59 --> Arrival Time: 22.412457, Run Time: 7.715837, Priority: 3, Final runtime: 7.715837, Time started: -1, Turn Around time: -23.412457, Waiting time: -23.412457, Responce time: 0.000000]

[Name: 45 --> Arrival Time: 22.614899, Run Time: 1.074089, Priority: 3, Final runtime: 1.074089, Time started: -1, Turn Around time: -23.614899, Waiting time: -23.614899, Responce time: 0.000000]

[Name: 34 --> Arrival Time: 22.874483, Run Time: 8.618647, Priority: 3, Final runtime: 8.618647, Time started: -1, Turn Around time: -23.874483, Waiting time: -23.874483, Responce time: 0.000000]

[Name: 58 --> Arrival Time: 23.841799, Run Time: 5.940533, Priority: 4, Final runtime: 5.940533, Time started: -1, Turn Around time: -24.841799, Waiting time: -24.841799, Responce time: 0.000000]

[Name: 47 --> Arrival Time: 23.979761, Run Time: 9.833591, Priority: 1, Final runtime: 9.833591, Time started: -1, Turn Around time: -24.979761, Waiting time: -24.979761, Responce time: 0.000000]

[Name: 39 --> Arrival Time: 24.885868, Run Time: 2.549603, Priority: 1, Final runtime: 2.549603, Time started: -1, Turn Around time: -25.885868, Waiting time: -25.885868, Responce time: 0.000000]

[Name: 32 --> Arrival Time: 25.715010, Run Time: 3.157774, Priority: 2, Final runtime: 3.157774, Time started: -1, Turn Around time: -26.715010, Waiting time: -26.715010, Responce time: 0.000000]

[Name: 52 --> Arrival Time: 28.338371, Run Time: 8.537380, Priority: 4, Final runtime: 8.537380, Time started: -1, Turn Around time: -29.338371, Waiting time: -29.338371, Responce time: 0.000000]

[Name: 38 --> Arrival Time: 29.857384, Run Time: 7.083275, Priority: 2, Final runtime: 7.083275, Time started: -1, Turn Around time: -30.857384, Waiting time: -30.857384, Responce time: 0.000000]

[Name: 46 --> Arrival Time: 34.674980, Run Time: 6.105052, Priority: 4, Final runtime: 6.105052, Time started: -1, Turn Around time: -35.674980, Waiting time: -35.674980, Responce time: 0.000000]

[Name: 30 --> Arrival Time: 39.220222, Run Time: 0.413764, Priority: 3, Final runtime: 0.413764, Time started: -1, Turn Around time: -40.220222, Waiting time: -40.220222, Responce time: 0.000000]

[Name: 35 --> Arrival Time: 40.828869, Run Time: 3.791711, Priority: 4, Final runtime: 3.791711, Time started: -1, Turn Around time: -41.828869, Waiting time: -41.828869, Responce time: 0.000000]

[Name: 37 --> Arrival Time: 42.349533, Run Time: 8.706643, Priority: 4, Final runtime: 8.706643, Time started: -1, Turn Around time: -43.349533, Waiting time: -43.349533, Responce time: 0.000000]

[Name: 41 --> Arrival Time: 43.455933, Run Time: 7.354841, Priority: 2, Final runtime: 7.354841, Time started: -1, Turn Around time: -44.455933, Waiting time: -44.455933, Responce time: 0.000000]

[Name: 36 --> Arrival Time: 43.691555, Run Time: 5.613809, Priority: 1, Final runtime: 5.613809, Time started: -1, Turn Around time: -44.691555, Waiting time: -44.691555, Responce time: 0.000000]

[Name: 33 --> Arrival Time: 45.553875, Run Time: 1.339198, Priority: 1, Final runtime: 1.339198, Time started: -1, Turn Around time: -46.553875, Waiting time: -46.553875, Responce time: 0.000000]

[Name: 42 --> Arrival Time: 54.502048, Run Time: 1.456442, Priority: 1, Final runtime: 1.456442, Time started: -1, Turn Around time: -55.502048, Waiting time: -55.502048, Responce time: 0.000000]

[Name: 51 --> Arrival Time: 55.981869, Run Time: 9.354110, Priority: 3, Final runtime: 9.354110, Time started: -1, Turn Around time: -56.981869, Waiting time: -56.981869, Responce time: 0.000000]

[Name: 55 --> Arrival Time: 56.448872, Run Time: 3.670006, Priority: 3, Final runtime: 3.670006, Time started: -1, Turn Around time: -57.448872, Waiting time: -57.448872, Responce time: 0.000000]

[Name: 31 --> Arrival Time: 57.562641, Run Time: 9.119443, Priority: 2, Final runtime: 9.119443, Time started: -1, Turn Around time: -58.562641, Waiting time: -58.562641, Responce time: 0.000000]

[Name: 54 --> Arrival Time: 80.480179, Run Time: 0.092720, Priority: 4, Final runtime: 0.092720, Time started: -1, Turn Around time: -81.480179, Waiting time: -81.480179, Responce time: 0.000000]

[Name: 56 --> Arrival Time: 81.225998, Run Time: 6.457469, Priority: 1, Final runtime: 6.457469, Time started: -1, Turn Around time: -82.225998, Waiting time: -82.225998, Responce time: 0.000000]

[Name: 50 --> Arrival Time: 83.426117, Run Time: 4.032755, Priority: 3, Final runtime: 4.032755, Time started: -1, Turn Around time: -84.426117, Waiting time: -84.426117, Responce time: 0.000000]

[Name: 43 --> Arrival Time: 84.326538, Run Time: 4.854564, Priority: 1, Final runtime: 4.854564, Time started: -1, Turn Around time: -85.326538, Waiting time: -85.326538, Responce time: 0.000000]

[Name: 48 --> Arrival Time: 91.995720, Run Time: 8.285643, Priority: 2, Final runtime: 8.285643, Time started: -1, Turn Around time: -92.995720, Waiting time: -92.995720, Responce time: 0.000000]

\_List3\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

[Name: 66 --> Arrival Time: 2.872916, Run Time: 1.705983, Priority: 4, Final runtime: 1.705983, Time started: -1, Turn Around time: -3.872916, Waiting time: -3.872916, Responce time: 0.000000]

[Name: 63 --> Arrival Time: 5.780890, Run Time: 3.725957, Priority: 3, Final runtime: 3.725957, Time started: -1, Turn Around time: -6.780890, Waiting time: -6.780890, Responce time: 0.000000]

[Name: 83 --> Arrival Time: 15.047033, Run Time: 4.041189, Priority: 2, Final runtime: 4.041189, Time started: -1, Turn Around time: -16.047033, Waiting time: -16.047033, Responce time: 0.000000]

[Name: 81 --> Arrival Time: 15.243396, Run Time: 9.204565, Priority: 2, Final runtime: 9.204565, Time started: -1, Turn Around time: -16.243397, Waiting time: -16.243397, Responce time: 0.000000]

[Name: 60 --> Arrival Time: 17.345507, Run Time: 2.598358, Priority: 3, Final runtime: 2.598358, Time started: -1, Turn Around time: -18.345507, Waiting time: -18.345507, Responce time: 0.000000]

[Name: 68 --> Arrival Time: 18.782890, Run Time: 5.060053, Priority: 2, Final runtime: 5.060053, Time started: -1, Turn Around time: -19.782890, Waiting time: -19.782890, Responce time: 0.000000]

[Name: 86 --> Arrival Time: 20.585621, Run Time: 6.320783, Priority: 1, Final runtime: 6.320783, Time started: -1, Turn Around time: -21.585621, Waiting time: -21.585621, Responce time: 0.000000]

[Name: 72 --> Arrival Time: 21.584867, Run Time: 9.351033, Priority: 3, Final runtime: 9.351033, Time started: -1, Turn Around time: -22.584867, Waiting time: -22.584867, Responce time: 0.000000]

[Name: 71 --> Arrival Time: 29.584675, Run Time: 8.059595, Priority: 4, Final runtime: 8.059595, Time started: -1, Turn Around time: -30.584675, Waiting time: -30.584675, Responce time: 0.000000]

[Name: 84 --> Arrival Time: 32.250572, Run Time: 7.643111, Priority: 3, Final runtime: 7.643111, Time started: -1, Turn Around time: -33.250572, Waiting time: -33.250572, Responce time: 0.000000]

[Name: 62 --> Arrival Time: 32.408260, Run Time: 1.148235, Priority: 3, Final runtime: 1.148235, Time started: -1, Turn Around time: -33.408260, Waiting time: -33.408260, Responce time: 0.000000]

[Name: 82 --> Arrival Time: 35.780430, Run Time: 0.979812, Priority: 4, Final runtime: 0.979812, Time started: -1, Turn Around time: -36.780430, Waiting time: -36.780430, Responce time: 0.000000]

[Name: 80 --> Arrival Time: 38.415707, Run Time: 6.488648, Priority: 1, Final runtime: 6.488648, Time started: -1, Turn Around time: -39.415707, Waiting time: -39.415707, Responce time: 0.000000]

[Name: 67 --> Arrival Time: 39.696796, Run Time: 3.156769, Priority: 3, Final runtime: 3.156769, Time started: -1, Turn Around time: -40.696796, Waiting time: -40.696796, Responce time: 0.000000]

[Name: 74 --> Arrival Time: 39.931904, Run Time: 0.106323, Priority: 3, Final runtime: 0.106323, Time started: -1, Turn Around time: -40.931904, Waiting time: -40.931904, Responce time: 0.000000]

[Name: 76 --> Arrival Time: 40.764893, Run Time: 2.666814, Priority: 4, Final runtime: 2.666814, Time started: -1, Turn Around time: -41.764893, Waiting time: -41.764893, Responce time: 0.000000]

[Name: 65 --> Arrival Time: 45.673622, Run Time: 1.461717, Priority: 3, Final runtime: 1.461717, Time started: -1, Turn Around time: -46.673622, Waiting time: -46.673622, Responce time: 0.000000]

[Name: 73 --> Arrival Time: 52.835091, Run Time: 0.426758, Priority: 4, Final runtime: 0.426758, Time started: -1, Turn Around time: -53.835091, Waiting time: -53.835091, Responce time: 0.000000]

[Name: 64 --> Arrival Time: 53.564980, Run Time: 7.224030, Priority: 2, Final runtime: 7.224030, Time started: -1, Turn Around time: -54.564980, Waiting time: -54.564980, Responce time: 0.000000]

[Name: 70 --> Arrival Time: 56.435665, Run Time: 4.244422, Priority: 1, Final runtime: 4.244422, Time started: -1, Turn Around time: -57.435665, Waiting time: -57.435665, Responce time: 0.000000]

[Name: 88 --> Arrival Time: 58.276295, Run Time: 1.387042, Priority: 2, Final runtime: 1.387042, Time started: -1, Turn Around time: -59.276295, Waiting time: -59.276295, Responce time: 0.000000]

[Name: 61 --> Arrival Time: 64.111961, Run Time: 2.775848, Priority: 4, Final runtime: 2.775848, Time started: -1, Turn Around time: -65.111961, Waiting time: -65.111961, Responce time: 0.000000]

[Name: 77 --> Arrival Time: 73.057762, Run Time: 6.592525, Priority: 3, Final runtime: 6.592525, Time started: -1, Turn Around time: -74.057762, Waiting time: -74.057762, Responce time: 0.000000]

[Name: 79 --> Arrival Time: 75.344467, Run Time: 3.229179, Priority: 3, Final runtime: 3.229179, Time started: -1, Turn Around time: -76.344467, Waiting time: -76.344467, Responce time: 0.000000]

[Name: 75 --> Arrival Time: 75.472832, Run Time: 2.805600, Priority: 4, Final runtime: 2.805600, Time started: -1, Turn Around time: -76.472832, Waiting time: -76.472832, Responce time: 0.000000]

[Name: 69 --> Arrival Time: 79.350128, Run Time: 3.837090, Priority: 4, Final runtime: 3.837090, Time started: -1, Turn Around time: -80.350128, Waiting time: -80.350128, Responce time: 0.000000]

[Name: 89 --> Arrival Time: 86.110481, Run Time: 0.552248, Priority: 4, Final runtime: 0.552248, Time started: -1, Turn Around time: -87.110481, Waiting time: -87.110481, Responce time: 0.000000]

[Name: 78 --> Arrival Time: 86.513885, Run Time: 2.778923, Priority: 4, Final runtime: 2.778923, Time started: -1, Turn Around time: -87.513885, Waiting time: -87.513885, Responce time: 0.000000]

[Name: 87 --> Arrival Time: 95.775330, Run Time: 7.717408, Priority: 4, Final runtime: 7.717408, Time started: -1, Turn Around time: -96.775330, Waiting time: -96.775330, Responce time: 0.000000]

[Name: 85 --> Arrival Time: 98.106667, Run Time: 1.843435, Priority: 3, Final runtime: 1.843435, Time started: -1, Turn Around time: -99.106667, Waiting time: -99.106667, Responce time: 0.000000]

\_List4\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

[Name: 117 --> Arrival Time: 1.790563, Run Time: 0.124842, Priority: 2, Final runtime: 0.124842, Time started: -1, Turn Around time: -2.790563, Waiting time: -2.790563, Responce time: 0.000000]

[Name: 93 --> Arrival Time: 3.142698, Run Time: 0.337501, Priority: 3, Final runtime: 0.337501, Time started: -1, Turn Around time: -4.142697, Waiting time: -4.142697, Responce time: 0.000000]

[Name: 118 --> Arrival Time: 8.693843, Run Time: 7.355951, Priority: 4, Final runtime: 7.355951, Time started: -1, Turn Around time: -9.693843, Waiting time: -9.693843, Responce time: 0.000000]

[Name: 113 --> Arrival Time: 10.402991, Run Time: 2.134074, Priority: 2, Final runtime: 2.134074, Time started: -1, Turn Around time: -11.402991, Waiting time: -11.402991, Responce time: 0.000000]

[Name: 99 --> Arrival Time: 11.578650, Run Time: 0.434762, Priority: 3, Final runtime: 0.434762, Time started: -1, Turn Around time: -12.578650, Waiting time: -12.578650, Responce time: 0.000000]

[Name: 115 --> Arrival Time: 17.633928, Run Time: 4.662122, Priority: 4, Final runtime: 4.662122, Time started: -1, Turn Around time: -18.633928, Waiting time: -18.633928, Responce time: 0.000000]

[Name: 110 --> Arrival Time: 22.261290, Run Time: 4.926949, Priority: 4, Final runtime: 4.926949, Time started: -1, Turn Around time: -23.261290, Waiting time: -23.261290, Responce time: 0.000000]

[Name: 101 --> Arrival Time: 33.704914, Run Time: 5.687428, Priority: 2, Final runtime: 5.687428, Time started: -1, Turn Around time: -34.704914, Waiting time: -34.704914, Responce time: 0.000000]

[Name: 95 --> Arrival Time: 40.484848, Run Time: 9.107012, Priority: 2, Final runtime: 9.107012, Time started: -1, Turn Around time: -41.484848, Waiting time: -41.484848, Responce time: 0.000000]

[Name: 96 --> Arrival Time: 43.625114, Run Time: 5.042648, Priority: 2, Final runtime: 5.042648, Time started: -1, Turn Around time: -44.625114, Waiting time: -44.625114, Responce time: 0.000000]

[Name: 111 --> Arrival Time: 43.665382, Run Time: 1.643755, Priority: 1, Final runtime: 1.643755, Time started: -1, Turn Around time: -44.665382, Waiting time: -44.665382, Responce time: 0.000000]

[Name: 105 --> Arrival Time: 48.310268, Run Time: 8.726121, Priority: 3, Final runtime: 8.726121, Time started: -1, Turn Around time: -49.310268, Waiting time: -49.310268, Responce time: 0.000000]

[Name: 97 --> Arrival Time: 50.913570, Run Time: 8.432237, Priority: 1, Final runtime: 8.432237, Time started: -1, Turn Around time: -51.913570, Waiting time: -51.913570, Responce time: 0.000000]

[Name: 94 --> Arrival Time: 52.446972, Run Time: 4.823757, Priority: 2, Final runtime: 4.823757, Time started: -1, Turn Around time: -53.446972, Waiting time: -53.446972, Responce time: 0.000000]

[Name: 116 --> Arrival Time: 53.417931, Run Time: 7.289041, Priority: 1, Final runtime: 7.289041, Time started: -1, Turn Around time: -54.417931, Waiting time: -54.417931, Responce time: 0.000000]

[Name: 108 --> Arrival Time: 58.575775, Run Time: 9.696788, Priority: 1, Final runtime: 9.696788, Time started: -1, Turn Around time: -59.575775, Waiting time: -59.575775, Responce time: 0.000000]

[Name: 91 --> Arrival Time: 62.370754, Run Time: 5.588043, Priority: 4, Final runtime: 5.588043, Time started: -1, Turn Around time: -63.370754, Waiting time: -63.370754, Responce time: 0.000000]

[Name: 119 --> Arrival Time: 63.631615, Run Time: 3.195596, Priority: 4, Final runtime: 3.195596, Time started: -1, Turn Around time: -64.631615, Waiting time: -64.631615, Responce time: 0.000000]

[Name: 107 --> Arrival Time: 63.996483, Run Time: 5.345612, Priority: 2, Final runtime: 5.345612, Time started: -1, Turn Around time: -64.996483, Waiting time: -64.996483, Responce time: 0.000000]

[Name: 98 --> Arrival Time: 65.825943, Run Time: 4.361660, Priority: 4, Final runtime: 4.361660, Time started: -1, Turn Around time: -66.825943, Waiting time: -66.825943, Responce time: 0.000000]

[Name: 102 --> Arrival Time: 69.780418, Run Time: 1.192713, Priority: 4, Final runtime: 1.192713, Time started: -1, Turn Around time: -70.780418, Waiting time: -70.780418, Responce time: 0.000000]

[Name: 112 --> Arrival Time: 81.020805, Run Time: 1.870512, Priority: 1, Final runtime: 1.870512, Time started: -1, Turn Around time: -82.020805, Waiting time: -82.020805, Responce time: 0.000000]

[Name: 109 --> Arrival Time: 83.139763, Run Time: 7.104462, Priority: 1, Final runtime: 7.104462, Time started: -1, Turn Around time: -84.139763, Waiting time: -84.139763, Responce time: 0.000000]

[Name: 106 --> Arrival Time: 85.010445, Run Time: 4.434739, Priority: 4, Final runtime: 4.434739, Time started: -1, Turn Around time: -86.010445, Waiting time: -86.010445, Responce time: 0.000000]

[Name: 114 --> Arrival Time: 85.040649, Run Time: 9.128793, Priority: 4, Final runtime: 9.128793, Time started: -1, Turn Around time: -86.040649, Waiting time: -86.040649, Responce time: 0.000000]

[Name: 90 --> Arrival Time: 86.139038, Run Time: 4.382562, Priority: 3, Final runtime: 4.382562, Time started: -1, Turn Around time: -87.139038, Waiting time: -87.139038, Responce time: 0.000000]

[Name: 103 --> Arrival Time: 87.468391, Run Time: 5.988275, Priority: 1, Final runtime: 5.988275, Time started: -1, Turn Around time: -88.468391, Waiting time: -88.468391, Responce time: 0.000000]

[Name: 92 --> Arrival Time: 89.486115, Run Time: 2.911094, Priority: 1, Final runtime: 2.911094, Time started: -1, Turn Around time: -90.486115, Waiting time: -90.486115, Responce time: 0.000000]

[Name: 100 --> Arrival Time: 91.057190, Run Time: 0.463269, Priority: 1, Final runtime: 0.463269, Time started: -1, Turn Around time: -92.057190, Waiting time: -92.057190, Responce time: 0.000000]

[Name: 104 --> Arrival Time: 92.076164, Run Time: 4.307108, Priority: 4, Final runtime: 4.307108, Time started: -1, Turn Around time: -93.076164, Waiting time: -93.076164, Responce time: 0.000000]

\_List5\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

[Name: 137 --> Arrival Time: 2.845430, Run Time: 5.772370, Priority: 3, Final runtime: 5.772370, Time started: -1, Turn Around time: -3.845430, Waiting time: -3.845430, Responce time: 0.000000]

[Name: 127 --> Arrival Time: 10.883511, Run Time: 9.594334, Priority: 2, Final runtime: 9.594334, Time started: -1, Turn Around time: -11.883511, Waiting time: -11.883511, Responce time: 0.000000]

[Name: 130 --> Arrival Time: 12.285331, Run Time: 5.964684, Priority: 1, Final runtime: 5.964684, Time started: -1, Turn Around time: -13.285331, Waiting time: -13.285331, Responce time: 0.000000]

[Name: 138 --> Arrival Time: 13.671094, Run Time: 9.937965, Priority: 1, Final runtime: 9.937965, Time started: -1, Turn Around time: -14.671094, Waiting time: -14.671094, Responce time: 0.000000]

[Name: 129 --> Arrival Time: 18.272532, Run Time: 2.441851, Priority: 1, Final runtime: 2.441851, Time started: -1, Turn Around time: -19.272532, Waiting time: -19.272532, Responce time: 0.000000]

[Name: 141 --> Arrival Time: 21.316042, Run Time: 2.610370, Priority: 3, Final runtime: 2.610370, Time started: -1, Turn Around time: -22.316042, Waiting time: -22.316042, Responce time: 0.000000]

[Name: 142 --> Arrival Time: 21.335238, Run Time: 8.841830, Priority: 4, Final runtime: 8.841830, Time started: -1, Turn Around time: -22.335238, Waiting time: -22.335238, Responce time: 0.000000]

[Name: 134 --> Arrival Time: 23.062620, Run Time: 9.879070, Priority: 4, Final runtime: 9.879070, Time started: -1, Turn Around time: -24.062620, Waiting time: -24.062620, Responce time: 0.000000]

[Name: 148 --> Arrival Time: 35.770630, Run Time: 7.992897, Priority: 4, Final runtime: 7.992897, Time started: -1, Turn Around time: -36.770630, Waiting time: -36.770630, Responce time: 0.000000]

[Name: 120 --> Arrival Time: 36.215614, Run Time: 9.097556, Priority: 2, Final runtime: 9.097556, Time started: -1, Turn Around time: -37.215614, Waiting time: -37.215614, Responce time: 0.000000]

[Name: 125 --> Arrival Time: 39.136997, Run Time: 5.267299, Priority: 2, Final runtime: 5.267299, Time started: -1, Turn Around time: -40.136997, Waiting time: -40.136997, Responce time: 0.000000]

[Name: 143 --> Arrival Time: 48.158363, Run Time: 9.235239, Priority: 4, Final runtime: 9.235239, Time started: -1, Turn Around time: -49.158363, Waiting time: -49.158363, Responce time: 0.000000]

[Name: 139 --> Arrival Time: 49.915791, Run Time: 3.905920, Priority: 4, Final runtime: 3.905920, Time started: -1, Turn Around time: -50.915791, Waiting time: -50.915791, Responce time: 0.000000]

[Name: 132 --> Arrival Time: 51.691727, Run Time: 0.505751, Priority: 4, Final runtime: 0.505751, Time started: -1, Turn Around time: -52.691727, Waiting time: -52.691727, Responce time: 0.000000]

[Name: 122 --> Arrival Time: 54.228855, Run Time: 1.951412, Priority: 2, Final runtime: 1.951412, Time started: -1, Turn Around time: -55.228855, Waiting time: -55.228855, Responce time: 0.000000]

[Name: 135 --> Arrival Time: 54.340904, Run Time: 6.054524, Priority: 1, Final runtime: 6.054524, Time started: -1, Turn Around time: -55.340904, Waiting time: -55.340904, Responce time: 0.000000]

[Name: 136 --> Arrival Time: 57.954350, Run Time: 8.506113, Priority: 3, Final runtime: 8.506113, Time started: -1, Turn Around time: -58.954350, Waiting time: -58.954350, Responce time: 0.000000]

[Name: 126 --> Arrival Time: 61.351170, Run Time: 9.538275, Priority: 4, Final runtime: 9.538275, Time started: -1, Turn Around time: -62.351170, Waiting time: -62.351170, Responce time: 0.000000]

[Name: 149 --> Arrival Time: 64.497627, Run Time: 8.967103, Priority: 3, Final runtime: 8.967103, Time started: -1, Turn Around time: -65.497627, Waiting time: -65.497627, Responce time: 0.000000]

[Name: 145 --> Arrival Time: 64.756287, Run Time: 3.912549, Priority: 2, Final runtime: 3.912549, Time started: -1, Turn Around time: -65.756287, Waiting time: -65.756287, Responce time: 0.000000]

[Name: 147 --> Arrival Time: 71.561119, Run Time: 5.464321, Priority: 2, Final runtime: 5.464321, Time started: -1, Turn Around time: -72.561119, Waiting time: -72.561119, Responce time: 0.000000]

[Name: 121 --> Arrival Time: 77.896637, Run Time: 7.888207, Priority: 4, Final runtime: 7.888207, Time started: -1, Turn Around time: -78.896637, Waiting time: -78.896637, Responce time: 0.000000]

[Name: 140 --> Arrival Time: 80.311874, Run Time: 3.337926, Priority: 4, Final runtime: 3.337926, Time started: -1, Turn Around time: -81.311874, Waiting time: -81.311874, Responce time: 0.000000]

[Name: 124 --> Arrival Time: 85.149826, Run Time: 1.577914, Priority: 2, Final runtime: 1.577914, Time started: -1, Turn Around time: -86.149826, Waiting time: -86.149826, Responce time: 0.000000]

[Name: 146 --> Arrival Time: 89.585114, Run Time: 8.186455, Priority: 4, Final runtime: 8.186455, Time started: -1, Turn Around time: -90.585114, Waiting time: -90.585114, Responce time: 0.000000]

[Name: 133 --> Arrival Time: 91.580925, Run Time: 8.778682, Priority: 4, Final runtime: 8.778682, Time started: -1, Turn Around time: -92.580925, Waiting time: -92.580925, Responce time: 0.000000]

[Name: 144 --> Arrival Time: 93.540276, Run Time: 4.190795, Priority: 4, Final runtime: 4.190795, Time started: -1, Turn Around time: -94.540276, Waiting time: -94.540276, Responce time: 0.000000]

[Name: 128 --> Arrival Time: 95.675903, Run Time: 6.291814, Priority: 3, Final runtime: 6.291814, Time started: -1, Turn Around time: -96.675903, Waiting time: -96.675903, Responce time: 0.000000]

[Name: 131 --> Arrival Time: 96.177414, Run Time: 7.972837, Priority: 3, Final runtime: 7.972837, Time started: -1, Turn Around time: -97.177414, Waiting time: -97.177414, Responce time: 0.000000]

[Name: 123 --> Arrival Time: 97.798576, Run Time: 1.800334, Priority: 4, Final runtime: 1.800334, Time started: -1, Turn Around time: -98.798576, Waiting time: -98.798576, Responce time: 0.000000]

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First Come First Served(FCFS)

List1

[ 0| 1| 2| 3| 4| 5| 6| 7| 8| 9| 10| 11| 12| 13| 14| 15| 16| 17| 18| 19| 20| 21| 22| 23| 24| 25| 26| 27| 28| 29| 30| 31| 32| 33| 34| 35| 36| 37| 38| 39| 40| 41| 42| 43| 44| 45| 46| 47| 48| 49| 50| 51| 52| 53| 54| 55| 56| 57| 58| 59| 60| 61| 62| 63| 64| 65| 66| 67| 68| 69| 70| 71| 72| 73| 74| 75| 76| 77| 78| 79| 80| 81| 82| 83| 84| 85| 86| 87| 88| 89| 90| 91| 92| 93| 94| 95| 96| 97| 98| 99]

[ | | | | ] 9| 9| 9| 9| 9| 9] 23| 23| 23| 23| 23| 23| 23| 23] 6| 6| 6] 29| 29| 29| 29] 11| 11| 11| 11| 11| 11| 11| 11| 11| 11] 13| 13| 13| 13| 13] 5| 5| 5| 5| 5| 5| 5| 5] 26| 26| 26| 26] 19| 19] 17| 17| 17| 17| 17| 17| 17| 17| 17| 17] 28| 28| 28| 28] 18| 18| 18| 18| 18| 18| 18| 18| 18] 27| 27] 16| 16| 16| 16| 16| 16] 0| 0| 0| 0| 0| 0] 21| 21| 21] 4| 4| 4| 4| 4| 4| 4]

Average Turnaround: 28.873394

Average Waiting: 23.16751

Average Response: 4.7058825

[Name: 9 --> Arrival Time: 4.925418, Run Time: -0.935600, Priority: 4, Final runtime: -0.935600, Time started: 5, Turn Around time: 5.074582, Waiting time: -0.925418, Responce time: 5.000000]

[Name: 23 --> Arrival Time: 7.187342, Run Time: -0.787957, Priority: 4, Final runtime: -0.787957, Time started: 11, Turn Around time: 10.812658, Waiting time: 2.812658, Responce time: 7.000000]

[Name: 6 --> Arrival Time: 12.392183, Run Time: -0.304454, Priority: 3, Final runtime: -0.304454, Time started: 19, Turn Around time: 8.607817, Waiting time: 5.607817, Responce time: 2.000000]

[Name: 29 --> Arrival Time: 13.791719, Run Time: -0.089508, Priority: 3, Final runtime: -0.089508, Time started: 22, Turn Around time: 11.208281, Waiting time: 7.208281, Responce time: 3.000000]

[Name: 11 --> Arrival Time: 14.484687, Run Time: -0.620732, Priority: 2, Final runtime: -0.620732, Time started: 26, Turn Around time: 20.515312, Waiting time: 10.515312, Responce time: 9.000000]

[Name: 13 --> Arrival Time: 19.298260, Run Time: -0.125803, Priority: 2, Final runtime: -0.125803, Time started: 36, Turn Around time: 20.701740, Waiting time: 15.701740, Responce time: 4.000000]

[Name: 5 --> Arrival Time: 19.485447, Run Time: -0.330070, Priority: 1, Final runtime: -0.330070, Time started: 41, Turn Around time: 28.514553, Waiting time: 20.514553, Responce time: 7.000000]

[Name: 26 --> Arrival Time: 21.329271, Run Time: -0.350079, Priority: 2, Final runtime: -0.350079, Time started: 49, Turn Around time: 30.670729, Waiting time: 26.670729, Responce time: 3.000000]

[Name: 19 --> Arrival Time: 25.019398, Run Time: -0.946108, Priority: 4, Final runtime: -0.946108, Time started: 53, Turn Around time: 28.980602, Waiting time: 26.980602, Responce time: 1.000000]

[Name: 17 --> Arrival Time: 30.453205, Run Time: -0.136395, Priority: 1, Final runtime: -0.136395, Time started: 55, Turn Around time: 33.546795, Waiting time: 23.546795, Responce time: 9.000000]

[Name: 28 --> Arrival Time: 31.372057, Run Time: -0.308567, Priority: 1, Final runtime: -0.308567, Time started: 65, Turn Around time: 36.627945, Waiting time: 32.627945, Responce time: 3.000000]

[Name: 18 --> Arrival Time: 39.221970, Run Time: -0.504017, Priority: 4, Final runtime: -0.504017, Time started: 69, Turn Around time: 37.778030, Waiting time: 28.778030, Responce time: 8.000000]

[Name: 27 --> Arrival Time: 40.346405, Run Time: -0.418136, Priority: 3, Final runtime: -0.418136, Time started: 78, Turn Around time: 38.653595, Waiting time: 36.653595, Responce time: 1.000000]

[Name: 16 --> Arrival Time: 44.568787, Run Time: -0.228675, Priority: 3, Final runtime: -0.228675, Time started: 80, Turn Around time: 40.431213, Waiting time: 34.431213, Responce time: 5.000000]

[Name: 0 --> Arrival Time: 48.764870, Run Time: -0.729319, Priority: 3, Final runtime: -0.729319, Time started: 86, Turn Around time: 42.235130, Waiting time: 36.235130, Responce time: 5.000000]

[Name: 21 --> Arrival Time: 49.046703, Run Time: -0.479666, Priority: 4, Final runtime: -0.479666, Time started: 92, Turn Around time: 44.953297, Waiting time: 41.953297, Responce time: 2.000000]

[Name: 4 --> Arrival Time: 49.464642, Run Time: -0.938581, Priority: 2, Final runtime: -0.938581, Time started: 95, Turn Around time: 51.535358, Waiting time: 44.535358, Responce time: 6.000000]

Throughput: 16.0

List2

[ 0| 1| 2| 3| 4| 5| 6| 7| 8| 9| 10| 11| 12| 13| 14| 15| 16| 17| 18| 19| 20| 21| 22| 23| 24| 25| 26| 27| 28| 29| 30| 31| 32| 33| 34| 35| 36| 37| 38| 39| 40| 41| 42| 43| 44| 45| 46| 47| 48| 49| 50| 51| 52| 53| 54| 55| 56| 57| 58| 59| 60| 61| 62| 63| 64| 65| 66| 67| 68| 69| 70| 71| 72| 73| 74| 75| 76| 77| 78| 79| 80| 81| 82| 83| 84| 85| 86| 87| 88| 89| 90| 91| 92| 93| 94| 95| 96| 97| 98| 99]

[ | | | | ] 53] | ] 44| 44| 44| 44] 57| 57| 57| 57| 57| 57| 57| 57| 57] 40| 40| 40| 40| 40] 49| 49| 49| 49| 49| 49| 49| 49| 49| 49] 59| 59| 59| 59| 59| 59| 59| 59] 45| 45] 34| 34| 34| 34| 34| 34| 34| 34| 34] 58| 58| 58| 58| 58| 58] 47| 47| 47| 47| 47| 47| 47| 47| 47| 47] 39| 39| 39] 32| 32| 32| 32] 52| 52| 52| 52| 52| 52| 52| 52| 52] 38| 38| 38| 38| 38| 38| 38| 38] 46| 46| 46| 46| 46| 46| 46]

Average Turnaround: 32.909336

Average Waiting: 26.576006

Average Response: 5.3333335

[Name: 53 --> Arrival Time: 4.901030, Run Time: -0.613841, Priority: 3, Final runtime: -0.613841, Time started: 5, Turn Around time: 0.098970, Waiting time: -0.901030, Responce time: 0.000000]

[Name: 44 --> Arrival Time: 7.249442, Run Time: -0.590188, Priority: 1, Final runtime: -0.590188, Time started: 8, Turn Around time: 3.750558, Waiting time: -0.249442, Responce time: 3.000000]

[Name: 57 --> Arrival Time: 9.628675, Run Time: -0.309780, Priority: 1, Final runtime: -0.309780, Time started: 12, Turn Around time: 10.371325, Waiting time: 1.371325, Responce time: 8.000000]

[Name: 40 --> Arrival Time: 9.710154, Run Time: -0.136838, Priority: 3, Final runtime: -0.136838, Time started: 21, Turn Around time: 15.289846, Waiting time: 10.289846, Responce time: 4.000000]

[Name: 49 --> Arrival Time: 14.675604, Run Time: -0.631895, Priority: 2, Final runtime: -0.631895, Time started: 26, Turn Around time: 20.324396, Waiting time: 10.324396, Responce time: 9.000000]

[Name: 59 --> Arrival Time: 22.412457, Run Time: -0.284163, Priority: 3, Final runtime: -0.284163, Time started: 36, Turn Around time: 20.587543, Waiting time: 12.587543, Responce time: 7.000000]

[Name: 45 --> Arrival Time: 22.614899, Run Time: -0.925911, Priority: 3, Final runtime: -0.925911, Time started: 44, Turn Around time: 22.385101, Waiting time: 20.385101, Responce time: 1.000000]

[Name: 34 --> Arrival Time: 22.874483, Run Time: -0.381353, Priority: 3, Final runtime: -0.381353, Time started: 46, Turn Around time: 31.125517, Waiting time: 22.125517, Responce time: 8.000000]

[Name: 58 --> Arrival Time: 23.841799, Run Time: -0.059467, Priority: 4, Final runtime: -0.059467, Time started: 55, Turn Around time: 36.158203, Waiting time: 30.158203, Responce time: 5.000000]

[Name: 47 --> Arrival Time: 23.979761, Run Time: -0.166409, Priority: 1, Final runtime: -0.166409, Time started: 61, Turn Around time: 46.020241, Waiting time: 36.020241, Responce time: 9.000000]

[Name: 39 --> Arrival Time: 24.885868, Run Time: -0.450397, Priority: 1, Final runtime: -0.450397, Time started: 71, Turn Around time: 48.114132, Waiting time: 45.114132, Responce time: 2.000000]

[Name: 32 --> Arrival Time: 25.715010, Run Time: -0.842226, Priority: 2, Final runtime: -0.842226, Time started: 74, Turn Around time: 51.284988, Waiting time: 47.284988, Responce time: 3.000000]

[Name: 52 --> Arrival Time: 28.338371, Run Time: -0.462620, Priority: 4, Final runtime: -0.462620, Time started: 78, Turn Around time: 57.661629, Waiting time: 48.661629, Responce time: 8.000000]

[Name: 38 --> Arrival Time: 29.857384, Run Time: -0.916725, Priority: 2, Final runtime: -0.916725, Time started: 87, Turn Around time: 64.142616, Waiting time: 56.142616, Responce time: 7.000000]

[Name: 46 --> Arrival Time: 34.674980, Run Time: -0.894948, Priority: 4, Final runtime: -0.894948, Time started: 95, Turn Around time: 66.325020, Waiting time: 59.325020, Responce time: 6.000000]

Throughput: 14.0

List3

[ 0| 1| 2| 3| 4| 5| 6| 7| 8| 9| 10| 11| 12| 13| 14| 15| 16| 17| 18| 19| 20| 21| 22| 23| 24| 25| 26| 27| 28| 29| 30| 31| 32| 33| 34| 35| 36| 37| 38| 39| 40| 41| 42| 43| 44| 45| 46| 47| 48| 49| 50| 51| 52| 53| 54| 55| 56| 57| 58| 59| 60| 61| 62| 63| 64| 65| 66| 67| 68| 69| 70| 71| 72| 73| 74| 75| 76| 77| 78| 79| 80| 81| 82| 83| 84| 85| 86| 87| 88| 89| 90| 91| 92| 93| 94| 95| 96| 97| 98| 99]

[ | | ] 66| 66] ] 63| 63| 63| 63] | | | | | ] 83| 83| 83| 83| 83] 81| 81| 81| 81| 81| 81| 81| 81| 81| 81] 60| 60| 60] 68| 68| 68| 68| 68| 68] 86| 86| 86| 86| 86| 86| 86] 72| 72| 72| 72| 72| 72| 72| 72| 72| 72] 71| 71| 71| 71| 71| 71| 71| 71| 71] 84| 84| 84| 84| 84| 84| 84| 84] 62| 62] 82] 80| 80| 80| 80| 80| 80| 80] 67| 67| 67| 67] 74] 76| 76| 76] 65| 65] 73] 64| 64| 64| 64| 64| 64| 64| 64]

Average Turnaround: 31.886837

Average Waiting: 26.992102

Average Response: 3.8947368

[Name: 66 --> Arrival Time: 2.872916, Run Time: -0.294017, Priority: 4, Final runtime: -0.294017, Time started: 3, Turn Around time: 1.127084, Waiting time: -0.872916, Responce time: 1.000000]

[Name: 63 --> Arrival Time: 5.780890, Run Time: -0.274043, Priority: 3, Final runtime: -0.274043, Time started: 6, Turn Around time: 3.219110, Waiting time: -0.780890, Responce time: 3.000000]

[Name: 83 --> Arrival Time: 15.047033, Run Time: -0.958811, Priority: 2, Final runtime: -0.958811, Time started: 16, Turn Around time: 4.952967, Waiting time: -0.047033, Responce time: 4.000000]

[Name: 81 --> Arrival Time: 15.243396, Run Time: -0.795435, Priority: 2, Final runtime: -0.795435, Time started: 21, Turn Around time: 14.756604, Waiting time: 4.756604, Responce time: 9.000000]

[Name: 60 --> Arrival Time: 17.345507, Run Time: -0.401642, Priority: 3, Final runtime: -0.401642, Time started: 31, Turn Around time: 15.654493, Waiting time: 12.654493, Responce time: 2.000000]

[Name: 68 --> Arrival Time: 18.782890, Run Time: -0.939947, Priority: 2, Final runtime: -0.939947, Time started: 34, Turn Around time: 20.217110, Waiting time: 14.217110, Responce time: 5.000000]

[Name: 86 --> Arrival Time: 20.585621, Run Time: -0.679217, Priority: 1, Final runtime: -0.679217, Time started: 40, Turn Around time: 25.414379, Waiting time: 18.414379, Responce time: 6.000000]

[Name: 72 --> Arrival Time: 21.584867, Run Time: -0.648967, Priority: 3, Final runtime: -0.648967, Time started: 47, Turn Around time: 34.415131, Waiting time: 24.415131, Responce time: 9.000000]

[Name: 71 --> Arrival Time: 29.584675, Run Time: -0.940405, Priority: 4, Final runtime: -0.940405, Time started: 57, Turn Around time: 35.415325, Waiting time: 26.415325, Responce time: 8.000000]

[Name: 84 --> Arrival Time: 32.250572, Run Time: -0.356889, Priority: 3, Final runtime: -0.356889, Time started: 66, Turn Around time: 40.749428, Waiting time: 32.749428, Responce time: 7.000000]

[Name: 62 --> Arrival Time: 32.408260, Run Time: -0.851765, Priority: 3, Final runtime: -0.851765, Time started: 74, Turn Around time: 42.591740, Waiting time: 40.591740, Responce time: 1.000000]

[Name: 82 --> Arrival Time: 35.780430, Run Time: -0.020188, Priority: 4, Final runtime: -0.020188, Time started: 76, Turn Around time: 40.219570, Waiting time: 39.219570, Responce time: 0.000000]

[Name: 80 --> Arrival Time: 38.415707, Run Time: -0.511352, Priority: 1, Final runtime: -0.511352, Time started: 77, Turn Around time: 44.584293, Waiting time: 37.584293, Responce time: 6.000000]

[Name: 67 --> Arrival Time: 39.696796, Run Time: -0.843231, Priority: 3, Final runtime: -0.843231, Time started: 84, Turn Around time: 47.303204, Waiting time: 43.303204, Responce time: 3.000000]

[Name: 74 --> Arrival Time: 39.931904, Run Time: -0.893677, Priority: 3, Final runtime: -0.893677, Time started: 88, Turn Around time: 48.068096, Waiting time: 47.068096, Responce time: 0.000000]

[Name: 76 --> Arrival Time: 40.764893, Run Time: -0.333186, Priority: 4, Final runtime: -0.333186, Time started: 89, Turn Around time: 50.235107, Waiting time: 47.235107, Responce time: 2.000000]

[Name: 65 --> Arrival Time: 45.673622, Run Time: -0.538283, Priority: 3, Final runtime: -0.538283, Time started: 92, Turn Around time: 47.326378, Waiting time: 45.326378, Responce time: 1.000000]

[Name: 73 --> Arrival Time: 52.835091, Run Time: -0.573242, Priority: 4, Final runtime: -0.573242, Time started: 94, Turn Around time: 41.164909, Waiting time: 40.164909, Responce time: 0.000000]

[Name: 64 --> Arrival Time: 53.564980, Run Time: -0.775970, Priority: 2, Final runtime: -0.775970, Time started: 95, Turn Around time: 48.435020, Waiting time: 40.435020, Responce time: 7.000000]

Throughput: 18.0

List4

[ 0| 1| 2| 3| 4| 5| 6| 7| 8| 9| 10| 11| 12| 13| 14| 15| 16| 17| 18| 19| 20| 21| 22| 23| 24| 25| 26| 27| 28| 29| 30| 31| 32| 33| 34| 35| 36| 37| 38| 39| 40| 41| 42| 43| 44| 45| 46| 47| 48| 49| 50| 51| 52| 53| 54| 55| 56| 57| 58| 59| 60| 61| 62| 63| 64| 65| 66| 67| 68| 69| 70| 71| 72| 73| 74| 75| 76| 77| 78| 79| 80| 81| 82| 83| 84| 85| 86| 87| 88| 89| 90| 91| 92| 93| 94| 95| 96| 97| 98| 99]

[ | ]117] ] 93] | | | ]118|118|118|118|118|118|118|118]113|113|113] 99]115|115|115|115|115]110|110|110|110|110] | | ]101|101|101|101|101|101] ] 95| 95| 95| 95| 95| 95| 95| 95| 95| 95] 96| 96| 96| 96| 96| 96]111|111]105|105|105|105|105|105|105|105|105] 97| 97| 97| 97| 97| 97| 97| 97| 97] 94| 94| 94| 94| 94]116|116|116|116|116|116|116|116]108|108|108|108|108|108|108|108|108|108] 91| 91| 91| 91| 91| 91]

Average Turnaround: 16.057676

Average Waiting: 10.469441

Average Response: 4.5882354

[Name: 117 --> Arrival Time: 1.790563, Run Time: -0.875158, Priority: 2, Final runtime: -0.875158, Time started: 2, Turn Around time: 0.209437, Waiting time: -0.790563, Responce time: 0.000000]

[Name: 93 --> Arrival Time: 3.142698, Run Time: -0.662499, Priority: 3, Final runtime: -0.662499, Time started: 4, Turn Around time: 0.857302, Waiting time: -0.142698, Responce time: 0.000000]

[Name: 118 --> Arrival Time: 8.693843, Run Time: -0.644049, Priority: 4, Final runtime: -0.644049, Time started: 9, Turn Around time: 7.306157, Waiting time: -0.693843, Responce time: 7.000000]

[Name: 113 --> Arrival Time: 10.402991, Run Time: -0.865926, Priority: 2, Final runtime: -0.865926, Time started: 17, Turn Around time: 8.597009, Waiting time: 5.597009, Responce time: 2.000000]

[Name: 99 --> Arrival Time: 11.578650, Run Time: -0.565238, Priority: 3, Final runtime: -0.565238, Time started: 20, Turn Around time: 8.421350, Waiting time: 7.421350, Responce time: 0.000000]

[Name: 115 --> Arrival Time: 17.633928, Run Time: -0.337878, Priority: 4, Final runtime: -0.337878, Time started: 21, Turn Around time: 7.366072, Waiting time: 2.366072, Responce time: 4.000000]

[Name: 110 --> Arrival Time: 22.261290, Run Time: -0.073051, Priority: 4, Final runtime: -0.073051, Time started: 26, Turn Around time: 7.738710, Waiting time: 2.738710, Responce time: 4.000000]

[Name: 101 --> Arrival Time: 33.704914, Run Time: -0.312572, Priority: 2, Final runtime: -0.312572, Time started: 34, Turn Around time: 5.295086, Waiting time: -0.704914, Responce time: 5.000000]

[Name: 95 --> Arrival Time: 40.484848, Run Time: -0.892988, Priority: 2, Final runtime: -0.892988, Time started: 41, Turn Around time: 9.515152, Waiting time: -0.484848, Responce time: 9.000000]

[Name: 96 --> Arrival Time: 43.625114, Run Time: -0.957352, Priority: 2, Final runtime: -0.957352, Time started: 51, Turn Around time: 12.374886, Waiting time: 6.374886, Responce time: 5.000000]

[Name: 111 --> Arrival Time: 43.665382, Run Time: -0.356245, Priority: 1, Final runtime: -0.356245, Time started: 57, Turn Around time: 14.334618, Waiting time: 12.334618, Responce time: 1.000000]

[Name: 105 --> Arrival Time: 48.310268, Run Time: -0.273879, Priority: 3, Final runtime: -0.273879, Time started: 59, Turn Around time: 18.689732, Waiting time: 9.689732, Responce time: 8.000000]

[Name: 97 --> Arrival Time: 50.913570, Run Time: -0.567763, Priority: 1, Final runtime: -0.567763, Time started: 68, Turn Around time: 25.086430, Waiting time: 16.086430, Responce time: 8.000000]

[Name: 94 --> Arrival Time: 52.446972, Run Time: -0.176243, Priority: 2, Final runtime: -0.176243, Time started: 77, Turn Around time: 28.553028, Waiting time: 23.553028, Responce time: 4.000000]

[Name: 116 --> Arrival Time: 53.417931, Run Time: -0.710959, Priority: 1, Final runtime: -0.710959, Time started: 82, Turn Around time: 35.582069, Waiting time: 27.582069, Responce time: 7.000000]

[Name: 108 --> Arrival Time: 58.575775, Run Time: -0.303212, Priority: 1, Final runtime: -0.303212, Time started: 90, Turn Around time: 40.424225, Waiting time: 30.424225, Responce time: 9.000000]

[Name: 91 --> Arrival Time: 62.370754, Run Time: -0.411957, Priority: 4, Final runtime: -0.411957, Time started: 100, Turn Around time: 42.629246, Waiting time: 36.629246, Responce time: 5.000000]

Throughput: 16.0

List5

[ 0| 1| 2| 3| 4| 5| 6| 7| 8| 9| 10| 11| 12| 13| 14| 15| 16| 17| 18| 19| 20| 21| 22| 23| 24| 25| 26| 27| 28| 29| 30| 31| 32| 33| 34| 35| 36| 37| 38| 39| 40| 41| 42| 43| 44| 45| 46| 47| 48| 49| 50| 51| 52| 53| 54| 55| 56| 57| 58| 59| 60| 61| 62| 63| 64| 65| 66| 67| 68| 69| 70| 71| 72| 73| 74| 75| 76| 77| 78| 79| 80| 81| 82| 83| 84| 85| 86| 87| 88| 89| 90| 91| 92| 93| 94| 95| 96| 97| 98| 99]

[ | | ]137|137|137|137|137|137] | ]127|127|127|127|127|127|127|127|127|127]130|130|130|130|130|130]138|138|138|138|138|138|138|138|138|138]129|129|129]141|141|141]142|142|142|142|142|142|142|142|142]134|134|134|134|134|134|134|134|134|134]148|148|148|148|148|148|148|148]120|120|120|120|120|120|120|120|120|120]125|125|125|125|125|125]143|143|143|143|143|143|143|143|143|143]139|139|139|139]132]

Average Turnaround: 30.388506

Average Waiting: 23.531363

Average Response: 5.857143

[Name: 137 --> Arrival Time: 2.845430, Run Time: -0.227630, Priority: 3, Final runtime: -0.227630, Time started: 3, Turn Around time: 5.154570, Waiting time: -0.845430, Responce time: 5.000000]

[Name: 127 --> Arrival Time: 10.883511, Run Time: -0.405666, Priority: 2, Final runtime: -0.405666, Time started: 11, Turn Around time: 9.116489, Waiting time: -0.883511, Responce time: 9.000000]

[Name: 130 --> Arrival Time: 12.285331, Run Time: -0.035316, Priority: 1, Final runtime: -0.035316, Time started: 21, Turn Around time: 13.714669, Waiting time: 7.714669, Responce time: 5.000000]

[Name: 138 --> Arrival Time: 13.671094, Run Time: -0.062035, Priority: 1, Final runtime: -0.062035, Time started: 27, Turn Around time: 22.328907, Waiting time: 12.328907, Responce time: 9.000000]

[Name: 129 --> Arrival Time: 18.272532, Run Time: -0.558149, Priority: 1, Final runtime: -0.558149, Time started: 37, Turn Around time: 20.727468, Waiting time: 17.727468, Responce time: 2.000000]

[Name: 141 --> Arrival Time: 21.316042, Run Time: -0.389630, Priority: 3, Final runtime: -0.389630, Time started: 40, Turn Around time: 20.683958, Waiting time: 17.683958, Responce time: 2.000000]

[Name: 142 --> Arrival Time: 21.335238, Run Time: -0.158170, Priority: 4, Final runtime: -0.158170, Time started: 43, Turn Around time: 29.664762, Waiting time: 20.664762, Responce time: 8.000000]

[Name: 134 --> Arrival Time: 23.062620, Run Time: -0.120930, Priority: 4, Final runtime: -0.120930, Time started: 52, Turn Around time: 37.937378, Waiting time: 27.937378, Responce time: 9.000000]

[Name: 148 --> Arrival Time: 35.770630, Run Time: -0.007103, Priority: 4, Final runtime: -0.007103, Time started: 62, Turn Around time: 33.229370, Waiting time: 25.229370, Responce time: 7.000000]

[Name: 120 --> Arrival Time: 36.215614, Run Time: -0.902444, Priority: 2, Final runtime: -0.902444, Time started: 70, Turn Around time: 42.784386, Waiting time: 32.784386, Responce time: 9.000000]

[Name: 125 --> Arrival Time: 39.136997, Run Time: -0.732701, Priority: 2, Final runtime: -0.732701, Time started: 80, Turn Around time: 45.863003, Waiting time: 39.863003, Responce time: 5.000000]

[Name: 143 --> Arrival Time: 48.158363, Run Time: -0.764761, Priority: 4, Final runtime: -0.764761, Time started: 86, Turn Around time: 46.841637, Waiting time: 36.841637, Responce time: 9.000000]

[Name: 139 --> Arrival Time: 49.915791, Run Time: -0.094080, Priority: 4, Final runtime: -0.094080, Time started: 96, Turn Around time: 49.084209, Waiting time: 45.084209, Responce time: 3.000000]

[Name: 132 --> Arrival Time: 51.691727, Run Time: -0.494249, Priority: 4, Final runtime: -0.494249, Time started: 100, Turn Around time: 48.308273, Waiting time: 47.308273, Responce time: 0.000000]

Throughput: 13.0

Avgerage Throughput: 15.4

Shortest Job First(SJF)

List1

[ 0| 1| 2| 3| 4| 5| 6| 7| 8| 9| 10| 11| 12| 13| 14| 15| 16| 17| 18| 19| 20| 21| 22| 23| 24| 25| 26| 27| 28| 29| 30| 31| 32| 33| 34| 35| 36| 37| 38| 39| 40| 41| 42| 43| 44| 45| 46| 47| 48| 49| 50| 51| 52| 53| 54| 55| 56| 57| 58| 59| 60| 61| 62| 63| 64| 65| 66| 67| 68| 69| 70| 71| 72| 73| 74| 75| 76| 77| 78| 79| 80| 81| 82| 83| 84| 85| 86| 87| 88| 89| 90| 91| 92| 93| 94| 95| 96| 97| 98| 99]

[ | | | | ] 9| 9| 9| 9| 9| 9] 23| 23| 23| 23| 23| 23| 23| 23] 6| 6| 6] 29| 29| 29| 29] 11| 11| 11| 11| 11| 11| 11| 11| 11| 11] 13| 13| 13| 13| 13] 5| 5| 5| 5| 5| 5| 5| 5] 26| 26| 26| 26] 19| 19] 17| 17| 17| 17| 17| 17| 17| 17| 17| 17] 28| 28| 28| 28] 18| 18| 18| 18| 18| 18| 18| 18| 18] 27| 27] 16| 16| 16| 16| 16| 16] 0| 0| 0| 0| 0| 0] 21| 21| 21] 4| 4| 4| 4| 4| 4| 4]

Average Turnaround: 28.873394

Average Waiting: 23.16751

Average Response: 4.7058825

Throughput: 16.0

List2

[ 0| 1| 2| 3| 4| 5| 6| 7| 8| 9| 10| 11| 12| 13| 14| 15| 16| 17| 18| 19| 20| 21| 22| 23| 24| 25| 26| 27| 28| 29| 30| 31| 32| 33| 34| 35| 36| 37| 38| 39| 40| 41| 42| 43| 44| 45| 46| 47| 48| 49| 50| 51| 52| 53| 54| 55| 56| 57| 58| 59| 60| 61| 62| 63| 64| 65| 66| 67| 68| 69| 70| 71| 72| 73| 74| 75| 76| 77| 78| 79| 80| 81| 82| 83| 84| 85| 86| 87| 88| 89| 90| 91| 92| 93| 94| 95| 96| 97| 98| 99]

[ | | | | ] 53] | ] 44| 44| 44| 44] 57| 57| 57| 57| 57| 57| 57| 57| 57] 40| 40| 40| 40| 40] 49| 49| 49| 49| 49| 49| 49| 49| 49| 49] 59| 59| 59| 59| 59| 59| 59| 59] 45| 45] 34| 34| 34| 34| 34| 34| 34| 34| 34] 58| 58| 58| 58| 58| 58] 47| 47| 47| 47| 47| 47| 47| 47| 47| 47] 39| 39| 39] 32| 32| 32| 32] 52| 52| 52| 52| 52| 52| 52| 52| 52] 38| 38| 38| 38| 38| 38| 38| 38] 46| 46| 46| 46| 46| 46| 46]

Average Turnaround: 32.909336

Average Waiting: 26.576006

Average Response: 5.3333335

Throughput: 14.0

List3

[ 0| 1| 2| 3| 4| 5| 6| 7| 8| 9| 10| 11| 12| 13| 14| 15| 16| 17| 18| 19| 20| 21| 22| 23| 24| 25| 26| 27| 28| 29| 30| 31| 32| 33| 34| 35| 36| 37| 38| 39| 40| 41| 42| 43| 44| 45| 46| 47| 48| 49| 50| 51| 52| 53| 54| 55| 56| 57| 58| 59| 60| 61| 62| 63| 64| 65| 66| 67| 68| 69| 70| 71| 72| 73| 74| 75| 76| 77| 78| 79| 80| 81| 82| 83| 84| 85| 86| 87| 88| 89| 90| 91| 92| 93| 94| 95| 96| 97| 98| 99]

[ | | ] 66| 66] ] 63| 63| 63| 63] | | | | | ] 83| 83| 83| 83| 83] 81| 81| 81| 81| 81| 81| 81| 81| 81| 81] 60| 60| 60] 68| 68| 68| 68| 68| 68] 86| 86| 86| 86| 86| 86| 86] 72| 72| 72| 72| 72| 72| 72| 72| 72| 72] 71| 71| 71| 71| 71| 71| 71| 71| 71] 84| 84| 84| 84| 84| 84| 84| 84] 62| 62] 82] 80| 80| 80| 80| 80| 80| 80] 67| 67| 67| 67] 74] 76| 76| 76] 65| 65] 73] 64| 64| 64| 64| 64| 64| 64| 64]

Average Turnaround: 31.886837

Average Waiting: 26.992102

Average Response: 3.8947368

Throughput: 18.0

List4

[ 0| 1| 2| 3| 4| 5| 6| 7| 8| 9| 10| 11| 12| 13| 14| 15| 16| 17| 18| 19| 20| 21| 22| 23| 24| 25| 26| 27| 28| 29| 30| 31| 32| 33| 34| 35| 36| 37| 38| 39| 40| 41| 42| 43| 44| 45| 46| 47| 48| 49| 50| 51| 52| 53| 54| 55| 56| 57| 58| 59| 60| 61| 62| 63| 64| 65| 66| 67| 68| 69| 70| 71| 72| 73| 74| 75| 76| 77| 78| 79| 80| 81| 82| 83| 84| 85| 86| 87| 88| 89| 90| 91| 92| 93| 94| 95| 96| 97| 98| 99]

[ | ]117] ] 93] | | | ]118|118|118|118|118|118|118|118]113|113|113] 99]115|115|115|115|115]110|110|110|110|110] | | ]101|101|101|101|101|101] ] 95| 95| 95| 95| 95| 95| 95| 95| 95| 95] 96| 96| 96| 96| 96| 96]111|111]105|105|105|105|105|105|105|105|105] 97| 97| 97| 97| 97| 97| 97| 97| 97] 94| 94| 94| 94| 94]116|116|116|116|116|116|116|116]108|108|108|108|108|108|108|108|108|108]

Average Turnaround: 14.396954

Average Waiting: 8.834454

Average Response: 4.5625

Throughput: 16.0

List5

[ 0| 1| 2| 3| 4| 5| 6| 7| 8| 9| 10| 11| 12| 13| 14| 15| 16| 17| 18| 19| 20| 21| 22| 23| 24| 25| 26| 27| 28| 29| 30| 31| 32| 33| 34| 35| 36| 37| 38| 39| 40| 41| 42| 43| 44| 45| 46| 47| 48| 49| 50| 51| 52| 53| 54| 55| 56| 57| 58| 59| 60| 61| 62| 63| 64| 65| 66| 67| 68| 69| 70| 71| 72| 73| 74| 75| 76| 77| 78| 79| 80| 81| 82| 83| 84| 85| 86| 87| 88| 89| 90| 91| 92| 93| 94| 95| 96| 97| 98| 99]

[ | | ]137|137|137|137|137|137] | ]127|127|127|127|127|127|127|127|127|127]130|130|130|130|130|130]138|138|138|138|138|138|138|138|138|138]129|129|129]141|141|141]142|142|142|142|142|142|142|142|142]134|134|134|134|134|134|134|134|134|134]148|148|148|148|148|148|148|148]120|120|120|120|120|120|120|120|120|120]125|125|125|125|125|125]143|143|143|143|143|143|143|143|143|143]139|139|139|139]

Average Turnaround: 29.010063

Average Waiting: 21.70237

Average Response: 6.3076925

Throughput: 13.0

Avgerage Throughput: 15.4

Shortest Remaining Time(SRT)

List1

[ 0| 1| 2| 3| 4| 5| 6| 7| 8| 9| 10| 11| 12| 13| 14| 15| 16| 17| 18| 19| 20| 21| 22| 23| 24| 25| 26| 27| 28| 29| 30| 31| 32| 33| 34| 35| 36| 37| 38| 39| 40| 41| 42| 43| 44| 45| 46| 47| 48| 49| 50| 51| 52| 53| 54| 55| 56| 57| 58| 59| 60| 61| 62| 63| 64| 65| 66| 67| 68| 69| 70| 71| 72| 73| 74| 75| 76| 77| 78| 79| 80| 81| 82| 83| 84| 85| 86| 87| 88| 89| 90| 91| 92| 93| 94| 95| 96| 97| 98| 99]

[ | | | | ]

Average Turnaround: 32.246593

Average Waiting: -0.08674113

Average Response: 32.0

Throughput: 2.0

List2

[ 0| 1| 2| 3| 4| 5| 6| 7| 8| 9| 10| 11| 12| 13| 14| 15| 16| 17| 18| 19| 20| 21| 22| 23| 24| 25| 26| 27| 28| 29| 30| 31| 32| 33| 34| 35| 36| 37| 38| 39| 40| 41| 42| 43| 44| 45| 46| 47| 48| 49| 50| 51| 52| 53| 54| 55| 56| 57| 58| 59| 60| 61| 62| 63| 64| 65| 66| 67| 68| 69| 70| 71| 72| 73| 74| 75| 76| 77| 78| 79| 80| 81| 82| 83| 84| 85| 86| 87| 88| 89| 90| 91| 92| 93| 94| 95| 96| 97| 98| 99]

[ | | | | ]

Average Turnaround: 61.18517

Average Waiting: 38.685165

Average Response: 21.75

Throughput: 3.0

List3

[ 0| 1| 2| 3| 4| 5| 6| 7| 8| 9| 10| 11| 12| 13| 14| 15| 16| 17| 18| 19| 20| 21| 22| 23| 24| 25| 26| 27| 28| 29| 30| 31| 32| 33| 34| 35| 36| 37| 38| 39| 40| 41| 42| 43| 44| 45| 46| 47| 48| 49| 50| 51| 52| 53| 54| 55| 56| 57| 58| 59| 60| 61| 62| 63| 64| 65| 66| 67| 68| 69| 70| 71| 72| 73| 74| 75| 76| 77| 78| 79| 80| 81| 82| 83| 84| 85| 86| 87| 88| 89| 90| 91| 92| 93| 94| 95| 96| 97| 98| 99]

[ | | ]

Average Turnaround: 30.56034

Average Waiting: 13.893676

Average Response: 16.333334

Throughput: 5.0

List4

[ 0| 1| 2| 3| 4| 5| 6| 7| 8| 9| 10| 11| 12| 13| 14| 15| 16| 17| 18| 19| 20| 21| 22| 23| 24| 25| 26| 27| 28| 29| 30| 31| 32| 33| 34| 35| 36| 37| 38| 39| 40| 41| 42| 43| 44| 45| 46| 47| 48| 49| 50| 51| 52| 53| 54| 55| 56| 57| 58| 59| 60| 61| 62| 63| 64| 65| 66| 67| 68| 69| 70| 71| 72| 73| 74| 75| 76| 77| 78| 79| 80| 81| 82| 83| 84| 85| 86| 87| 88| 89| 90| 91| 92| 93| 94| 95| 96| 97| 98| 99]

[ | | | | | | ]

Average Turnaround: 18.747412

Average Waiting: 0.1474121

Average Response: 18.0

Throughput: 4.0

List5

[ 0| 1| 2| 3| 4| 5| 6| 7| 8| 9| 10| 11| 12| 13| 14| 15| 16| 17| 18| 19| 20| 21| 22| 23| 24| 25| 26| 27| 28| 29| 30| 31| 32| 33| 34| 35| 36| 37| 38| 39| 40| 41| 42| 43| 44| 45| 46| 47| 48| 49| 50| 51| 52| 53| 54| 55| 56| 57| 58| 59| 60| 61| 62| 63| 64| 65| 66| 67| 68| 69| 70| 71| 72| 73| 74| 75| 76| 77| 78| 79| 80| 81| 82| 83| 84| 85| 86| 87| 88| 89| 90| 91| 92| 93| 94| 95| 96| 97| 98| 99]

[ | | ]

Average Turnaround: 25.37861

Average Waiting: 0.12861061

Average Response: 25.0

Throughput: 3.0

Avgerage Throughput: 3.4

Round Robin(RR)

List1

[ 0| 1| 2| 3| 4| 5| 6| 7| 8| 9| 10| 11| 12| 13| 14| 15| 16| 17| 18| 19| 20| 21| 22| 23| 24| 25| 26| 27| 28| 29| 30| 31| 32| 33| 34| 35| 36| 37| 38| 39| 40| 41| 42| 43| 44| 45| 46| 47| 48| 49| 50| 51| 52| 53| 54| 55| 56| 57| 58| 59| 60| 61| 62| 63| 64| 65| 66| 67| 68| 69| 70| 71| 72| 73| 74| 75| 76| 77| 78| 79| 80| 81| 82| 83| 84| 85| 86| 87| 88| 89| 90| 91| 92| 93| 94| 95| 96| 97| 98| 99]

[ | | | | ] 9| 9| 9| 9] 23] 9] 23] 9] 23] 6] 23] 29] 6] 11] 23] 29] 6] 11] 23] 13] 5] 29] 26] 11] 23] 13] 5] 19] 29] 26] 11] 23] 13] 17] 5] 28] 19] 26] 11] 13] 17] 5] 18] 28] 27] 26] 11] 13] 16] 17] 5] 18] 28] 0] 27] 21] 4] 11] 16] 17] 7] 5] 18] 3] 28] 0] 24] 21] 4] 11] 16] 17] 15] 7] 5] 22] 18] 25] 3] 0] 24] 2] 20] 21] 10] 4] 11] 14] 16] 17] 15] 7] 5] 22] 18] 25] 3] 0] 1] 24] 8] 2] 20] 10] 4] 11] 14] 16] 17] 15] 12] 22] 18] 25] 3] 0] 1] 20] 10] 4] 14] 16] 17] 15] 12] 22] 18] 25] 3] 0] 1] 10] 4] 14] 17] 15] 12] 22] 18] 25] 3] 1] 10] 4] 14] 17] 15] 22] 18] 25] 3] 1] 10] 14] 15] 22] 25] 10] 14] 15] 22] 25] 10] 14] 15] 22] 25] 14] 15] 22] 14]

Average Turnaround: 60.945057

Average Waiting: 55.245052

Average Response: 50.933334

Throughput: 12.0

List2

[ 0| 1| 2| 3| 4| 5| 6| 7| 8| 9| 10| 11| 12| 13| 14| 15| 16| 17| 18| 19| 20| 21| 22| 23| 24| 25| 26| 27| 28| 29| 30| 31| 32| 33| 34| 35| 36| 37| 38| 39| 40| 41| 42| 43| 44| 45| 46| 47| 48| 49| 50| 51| 52| 53| 54| 55| 56| 57| 58| 59| 60| 61| 62| 63| 64| 65| 66| 67| 68| 69| 70| 71| 72| 73| 74| 75| 76| 77| 78| 79| 80| 81| 82| 83| 84| 85| 86| 87| 88| 89| 90| 91| 92| 93| 94| 95| 96| 97| 98| 99]

[ | | | | ] 53] | ] 44| 44| 44] 57] 40] 44] 57] 40] 57] 49] 40] 57] 49] 40] 57] 49] 40] 57] 59] 45] 34] 49] 58] 47] 39] 57] 32] 59] 45] 34] 52] 49] 38] 58] 47] 39] 57] 32] 46] 59] 34] 52] 49] 30] 38] 35] 58] 47] 37] 39] 41] 36] 57] 32] 33] 46] 59] 34] 52] 49] 38] 35] 58] 42] 47] 51] 37] 55] 31] 41] 36] 32] 33] 46] 59] 34] 52] 49] 38] 35] 58] 42] 47] 51] 37] 55] 31] 41] 36] 54] 46] 56] 59] 34] 50] 52] 43] 49] 38] 35] 58] 47] 51] 48] 37] 55] 31] 41] 36] 46] 56] 59] 34] 50] 52] 43] 49] 38] 47] 51] 48] 37] 55] 31] 41] 36] 46] 56] 59] 34] 50] 52] 43] 38] 47] 51] 48] 37] 31] 41] 36] 46] 56] 34] 50] 52] 43] 38] 47] 51] 48] 37] 31] 41] 56] 50] 52] 43] 47] 51] 48] 37] 31] 41] 56] 51] 48] 37] 31] 56] 51] 48] 31] 51] 48] 31] 48]

Average Turnaround: 77.38634

Average Waiting: 71.453

Average Response: 66.53333

Throughput: 11.0

List3

[ 0| 1| 2| 3| 4| 5| 6| 7| 8| 9| 10| 11| 12| 13| 14| 15| 16| 17| 18| 19| 20| 21| 22| 23| 24| 25| 26| 27| 28| 29| 30| 31| 32| 33| 34| 35| 36| 37| 38| 39| 40| 41| 42| 43| 44| 45| 46| 47| 48| 49| 50| 51| 52| 53| 54| 55| 56| 57| 58| 59| 60| 61| 62| 63| 64| 65| 66| 67| 68| 69| 70| 71| 72| 73| 74| 75| 76| 77| 78| 79| 80| 81| 82| 83| 84| 85| 86| 87| 88| 89| 90| 91| 92| 93| 94| 95| 96| 97| 98| 99]

[ | | ] 66| 66] ] 63| 63| 63| 63] | | | | | ] 83] 81] 83] 81] 60] 83] 68] 81] 60] 86] 83] 72] 68] 81] 60] 86] 83] 72] 68] 81] 71] 86] 84] 62] 72] 68] 81] 82] 71] 86] 84] 80] 62] 67] 74] 72] 76] 68] 81] 71] 86] 65] 84] 80] 67] 72] 76] 73] 68] 64] 81] 71] 86] 70] 65] 84] 88] 80] 67] 72] 76] 61] 64] 81] 71] 86] 70] 84] 88] 80] 77] 67] 72] 79] 75] 61] 64] 81] 69] 71] 70] 84] 80] 77] 89] 78] 72] 79] 75] 61] 64] 69] 71] 87] 70] 84] 80] 85] 77] 78] 72] 79] 75] 64] 69] 71] 87] 70] 84] 80] 85] 77] 78] 72] 79] 64] 69] 71] 87] 77] 64] 87] 77] 64] 87] 77] 87| 87| 87]

Average Turnaround: 44.143147

Average Waiting: 39.643147

Average Response: 35.2

Throughput: 15.0

List4

[ 0| 1| 2| 3| 4| 5| 6| 7| 8| 9| 10| 11| 12| 13| 14| 15| 16| 17| 18| 19| 20| 21| 22| 23| 24| 25| 26| 27| 28| 29| 30| 31| 32| 33| 34| 35| 36| 37| 38| 39| 40| 41| 42| 43| 44| 45| 46| 47| 48| 49| 50| 51| 52| 53| 54| 55| 56| 57| 58| 59| 60| 61| 62| 63| 64| 65| 66| 67| 68| 69| 70| 71| 72| 73| 74| 75| 76| 77| 78| 79| 80| 81| 82| 83| 84| 85| 86| 87| 88| 89| 90| 91| 92| 93| 94| 95| 96| 97| 98| 99]

[ | ]117] ] 93] | | | ]118|118|118]113]118] 99]113]118]113]118]115]118]115]118]115]110]115]110]115]110|110|110] | | ]101|101|101|101|101|101] ] 95| 95| 95| 95] 96]111] 95] 96]111] 95] 96]105] 95] 97] 96]105] 94] 95]116] 97] 96]105] 94] 95]108]116] 97] 96]105] 91] 94]119]107] 95]108] 98]116] 97]105]102] 91] 94]119]107]108] 98]116] 97]105]102] 91]112] 94]119]109]107]108]106]114] 98] 90]116]103] 97]105] 92] 91]100]112]104]119]109]107]108]106]114] 98] 90]116]103] 97]105] 92] 91]104]109]107]108]106]114] 98] 90]116]103] 97]105] 92] 91]104]109]107]108]106]114] 90]116]103] 97]104]109]108]106]114] 90]103]104]109]108]114]103]109]108]114]109]114|114|114]

Average Turnaround: 44.743584

Average Waiting: 39.51025

Average Response: 37.633335

Throughput: 13.0

List5

[ 0| 1| 2| 3| 4| 5| 6| 7| 8| 9| 10| 11| 12| 13| 14| 15| 16| 17| 18| 19| 20| 21| 22| 23| 24| 25| 26| 27| 28| 29| 30| 31| 32| 33| 34| 35| 36| 37| 38| 39| 40| 41| 42| 43| 44| 45| 46| 47| 48| 49| 50| 51| 52| 53| 54| 55| 56| 57| 58| 59| 60| 61| 62| 63| 64| 65| 66| 67| 68| 69| 70| 71| 72| 73| 74| 75| 76| 77| 78| 79| 80| 81| 82| 83| 84| 85| 86| 87| 88| 89| 90| 91| 92| 93| 94| 95| 96| 97| 98| 99]

[ | | ]137|137|137|137|137|137] | ]127|127|127]130]127]138]130]127]138]130]127]129]138]130]127]141]142]129]138]134]130]127]141]142]129]138]134]130]127]141]142]148]138]120]134]127]125]142]148]138]120]134]125]142]143]148]139]138]120]132]134]125]142]122]135]143]148]139]136]138]120]134]126]125]142]122]149]145]135]143]148]139]136]138]120]147]134]126]125]142]149]121]145]135]143]140]148]139]136]120]124]147]134]126]125]146]142]149]133]121]145]144]135]143]128]140]131]148]123]136]120]124]147]134]126]146]149]133]121]145]144]135]143]128]140]131]148]123]136]120]147]134]126]146]149]133]121]144]135]143]128]140]131]136]120]147]126]146]149]133]121]144]135]143]128]131]136]120]147]126]146]149]133]121]144]143]128]131]136]126]146]149]133]121]143]128]131]136]126]146]149]133]121]128]131]126]146]133]131]146]133]

Average Turnaround: 77.30107

Average Waiting: 70.734406

Average Response: 66.9

Throughput: 9.0

Avgerage Throughput: 12.0

Highest Priority First(HPF)

List1

[ 0| 1| 2| 3| 4| 5| 6| 7| 8| 9| 10| 11| 12| 13| 14| 15| 16| 17| 18| 19| 20| 21| 22| 23| 24| 25| 26| 27| 28| 29| 30| 31| 32| 33| 34| 35| 36| 37| 38| 39| 40| 41| 42| 43| 44| 45| 46| 47| 48| 49| 50| 51| 52| 53| 54| 55| 56| 57| 58| 59| 60| 61| 62| 63| 64| 65| 66| 67| 68| 69| 70| 71| 72| 73| 74| 75| 76| 77| 78| 79| 80| 81| 82| 83| 84| 85| 86| 87| 88| 89| 90| 91| 92| 93| 94| 95| 96| 97| 98| 99]

[ | | | | ] 9| 9| 9| 9| 9| 9] 23| 23| 23| 23| 23| 23| 23| 23] 11| 11| 11| 11| 11| 11| 11| 11| 11| 11] 5| 5| 5| 5| 5| 5| 5| 5] 17| 17| 17| 17| 17| 17| 17| 17| 17| 17] 28| 28| 28| 28] 13| 13| 13| 13| 13] 7| 7| 7] 26| 26| 26| 26] 4| 4| 4| 4| 4| 4| 4] 15| 15| 15| 15| 15| 15| 15| 15| 15| 15] 3| 3| 3| 3| 3| 3| 3] 1| 1| 1| 1| 1] 22| 22| 22| 22| 22| 22| 22| 22| 22| 22]

Average Turnaround: 5.928571

Average Waiting: -9.357142

Average Response: 57.357143

Throughput: 13.0

List2

[ 0| 1| 2| 3| 4| 5| 6| 7| 8| 9| 10| 11| 12| 13| 14| 15| 16| 17| 18| 19| 20| 21| 22| 23| 24| 25| 26| 27| 28| 29| 30| 31| 32| 33| 34| 35| 36| 37| 38| 39| 40| 41| 42| 43| 44| 45| 46| 47| 48| 49| 50| 51| 52| 53| 54| 55| 56| 57| 58| 59| 60| 61| 62| 63| 64| 65| 66| 67| 68| 69| 70| 71| 72| 73| 74| 75| 76| 77| 78| 79| 80| 81| 82| 83| 84| 85| 86| 87| 88| 89| 90| 91| 92| 93| 94| 95| 96| 97| 98| 99]

[ | | | | ] 53] | ] 44| 44| 44| 44] 57| 57| 57| 57| 57| 57| 57| 57| 57] 49| 49| 49| 49| 49| 49| 49| 49| 49| 49] 47| 47| 47| 47| 47| 47| 47| 47| 47| 47] 39| 39| 39] 36| 36| 36| 36| 36| 36] 33| 33] 32| 32| 32| 32] 42| 42] 38| 38| 38| 38| 38| 38| 38| 38] 41| 41| 41| 41| 41| 41| 41| 41] 31| 31| 31| 31| 31| 31| 31| 31| 31| 31] 56| 56| 56| 56| 56| 56| 56] 43| 43| 43| 43| 43] 48| 48| 48| 48| 48| 48| 48| 48| 48]

Average Turnaround: 5.125

Average Waiting: -7.0

Average Response: 55.4375

Throughput: 15.0

List3

[ 0| 1| 2| 3| 4| 5| 6| 7| 8| 9| 10| 11| 12| 13| 14| 15| 16| 17| 18| 19| 20| 21| 22| 23| 24| 25| 26| 27| 28| 29| 30| 31| 32| 33| 34| 35| 36| 37| 38| 39| 40| 41| 42| 43| 44| 45| 46| 47| 48| 49| 50| 51| 52| 53| 54| 55| 56| 57| 58| 59| 60| 61| 62| 63| 64| 65| 66| 67| 68| 69| 70| 71| 72| 73| 74| 75| 76| 77| 78| 79| 80| 81| 82| 83| 84| 85| 86| 87| 88| 89| 90| 91| 92| 93| 94| 95| 96| 97| 98| 99]

[ | | ] 66| 66] ] 63| 63| 63| 63] | | | | | ] 83| 83| 83| 83| 83] 86| 86| 86| 86| 86| 86| 86] 81| 81| 81| 81| 81| 81| 81| 81| 81| 81] 68| 68| 68| 68| 68| 68] 80| 80| 80| 80| 80| 80| 80] 60| 60| 60] 64| 64| 64| 64| 64| 64| 64| 64] 70| 70| 70| 70| 70] 88| 88] 72| 72| 72| 72| 72| 72| 72| 72| 72| 72] 84| 84| 84| 84| 84| 84| 84| 84] 62| 62] 67| 67| 67| 67] 74] 65| 65] 77| 77| 77| 77| 77| 77| 77]

Average Turnaround: 4.1666665

Average Waiting: -20.11111

Average Response: 60.555557

Throughput: 17.0

List4

[ 0| 1| 2| 3| 4| 5| 6| 7| 8| 9| 10| 11| 12| 13| 14| 15| 16| 17| 18| 19| 20| 21| 22| 23| 24| 25| 26| 27| 28| 29| 30| 31| 32| 33| 34| 35| 36| 37| 38| 39| 40| 41| 42| 43| 44| 45| 46| 47| 48| 49| 50| 51| 52| 53| 54| 55| 56| 57| 58| 59| 60| 61| 62| 63| 64| 65| 66| 67| 68| 69| 70| 71| 72| 73| 74| 75| 76| 77| 78| 79| 80| 81| 82| 83| 84| 85| 86| 87| 88| 89| 90| 91| 92| 93| 94| 95| 96| 97| 98| 99]

[ | ]117] ] 93] | | | ]118|118|118|118|118|118|118|118]113|113|113] 99]115|115|115|115|115]110|110|110|110|110] | | ]101|101|101|101|101|101] ] 95| 95| 95| 95| 95| 95| 95| 95| 95| 95]111|111] 97| 97| 97| 97| 97| 97| 97| 97| 97]116|116|116|116|116|116|116|116]108|108|108|108|108|108|108|108|108|108] 96| 96| 96| 96| 96| 96]112|112]109|109|109|109|109|109|109|109]103|103|103|103|103|103]

Average Turnaround: 4.352941

Average Waiting: -4.117647

Average Response: 50.058823

Throughput: 16.0

List5

[ 0| 1| 2| 3| 4| 5| 6| 7| 8| 9| 10| 11| 12| 13| 14| 15| 16| 17| 18| 19| 20| 21| 22| 23| 24| 25| 26| 27| 28| 29| 30| 31| 32| 33| 34| 35| 36| 37| 38| 39| 40| 41| 42| 43| 44| 45| 46| 47| 48| 49| 50| 51| 52| 53| 54| 55| 56| 57| 58| 59| 60| 61| 62| 63| 64| 65| 66| 67| 68| 69| 70| 71| 72| 73| 74| 75| 76| 77| 78| 79| 80| 81| 82| 83| 84| 85| 86| 87| 88| 89| 90| 91| 92| 93| 94| 95| 96| 97| 98| 99]

[ | | ]137|137|137|137|137|137] | ]127|127|127|127|127|127|127|127|127|127]130|130|130|130|130|130]138|138|138|138|138|138|138|138|138|138]129|129|129]120|120|120|120|120|120|120|120|120|120]125|125|125|125|125|125]135|135|135|135|135|135|135]122|122]145|145|145|145]141|141|141]147|147|147|147|147|147]136|136|136|136|136|136|136|136|136]124|124]149|149|149|149|149|149|149|149|149]128|128|128|128|128|128|128]

Average Turnaround: 5.25

Average Waiting: -8.6875

Average Response: 60.375

Throughput: 15.0

Avgerage Throughput: 15.2

Highest Priority First Preemptive(HPFP)

List1

[ 0| 1| 2| 3| 4| 5| 6| 7| 8| 9| 10| 11| 12| 13| 14| 15| 16| 17| 18| 19| 20| 21| 22| 23| 24| 25| 26| 27| 28| 29| 30| 31| 32| 33| 34| 35| 36| 37| 38| 39| 40| 41| 42| 43| 44| 45| 46| 47| 48| 49| 50| 51| 52| 53| 54| 55| 56| 57| 58| 59| 60| 61| 62| 63| 64| 65| 66| 67| 68| 69| 70| 71| 72| 73| 74| 75| 76| 77| 78| 79| 80| 81| 82| 83| 84| 85| 86| 87| 88| 89| 90| 91| 92| 93| 94| 95| 96| 97| 98| 99]

[ | | | | ] 9| 9| 9| 9| 9| 9] 23| 23] 6| 6] 11| 11| 11| 11| 11] 5| 5| 5| 5| 5| 5| 5| 5] 11| 11| 11] 17| 17| 17| 17| 17| 17| 17| 17| 17| 17] 28| 28| 28| 28] 11| 11] 13| 13| 13| 13| 13] 26| 26| 26] 7| 7| 7] 26] 4| 4| 4| 4| 4| 4] 15| 15| 15| 15| 15| 15| 15| 15| 15| 15] 4] 3| 3| 3| 3| 3| 3| 3] 22| 22] 1| 1| 1| 1| 1] 22| 22| 22| 22| 22| 22| 22| 22] 2| 2] 8]

Average Turnaround: 18.332098

Average Waiting: 12.198763

Average Response: 7.8

Throughput: 14.0

List2

[ 0| 1| 2| 3| 4| 5| 6| 7| 8| 9| 10| 11| 12| 13| 14| 15| 16| 17| 18| 19| 20| 21| 22| 23| 24| 25| 26| 27| 28| 29| 30| 31| 32| 33| 34| 35| 36| 37| 38| 39| 40| 41| 42| 43| 44| 45| 46| 47| 48| 49| 50| 51| 52| 53| 54| 55| 56| 57| 58| 59| 60| 61| 62| 63| 64| 65| 66| 67| 68| 69| 70| 71| 72| 73| 74| 75| 76| 77| 78| 79| 80| 81| 82| 83| 84| 85| 86| 87| 88| 89| 90| 91| 92| 93| 94| 95| 96| 97| 98| 99]

[ | | | | ] 53] | ] 44| 44| 44| 44] 57| 57| 57| 57| 57| 57| 57| 57| 57] 49| 49| 49] 47| 47| 47| 47| 47| 47| 47| 47| 47| 47] 39| 39| 39] 49| 49| 49| 49| 49| 49| 49] 36| 36| 36| 36| 36| 36] 33| 33] 32| 32| 32] 42| 42] 32] 38| 38| 38| 38| 38| 38| 38| 38] 41| 41| 41| 41| 41| 41| 41| 41] 31| 31| 31| 31| 31| 31| 31| 31] 56| 56| 56| 56| 56| 56| 56] 43| 43| 43| 43| 43] 31| 31] 48| 48| 48| 48| 48| 48| 48| 48| 48]

Average Turnaround: 14.737057

Average Waiting: 8.612057

Average Response: 6.8125

Throughput: 15.0

List3

[ 0| 1| 2| 3| 4| 5| 6| 7| 8| 9| 10| 11| 12| 13| 14| 15| 16| 17| 18| 19| 20| 21| 22| 23| 24| 25| 26| 27| 28| 29| 30| 31| 32| 33| 34| 35| 36| 37| 38| 39| 40| 41| 42| 43| 44| 45| 46| 47| 48| 49| 50| 51| 52| 53| 54| 55| 56| 57| 58| 59| 60| 61| 62| 63| 64| 65| 66| 67| 68| 69| 70| 71| 72| 73| 74| 75| 76| 77| 78| 79| 80| 81| 82| 83| 84| 85| 86| 87| 88| 89| 90| 91| 92| 93| 94| 95| 96| 97| 98| 99]

[ | | ] 66| 66] ] 63| 63| 63| 63] | | | | | ] 83| 83| 83| 83| 83] 86| 86| 86| 86| 86| 86| 86] 81| 81| 81| 81| 81| 81| 81| 81| 81| 81] 68] 80| 80| 80| 80| 80| 80| 80] 68| 68| 68| 68| 68] 60| 60| 60] 64| 64| 64] 70| 70| 70| 70| 70] 64| 64| 64| 64| 64] 88| 88] 72| 72| 72| 72| 72| 72| 72| 72| 72| 72] 84| 84| 84| 84| 84| 84| 84| 84] 62| 62] 67| 67| 67| 67] 74] 65| 65] 77| 77| 77| 77| 77| 77| 77]

Average Turnaround: 27.058071

Average Waiting: 21.891405

Average Response: 4.8333335

Throughput: 17.0

List4

[ 0| 1| 2| 3| 4| 5| 6| 7| 8| 9| 10| 11| 12| 13| 14| 15| 16| 17| 18| 19| 20| 21| 22| 23| 24| 25| 26| 27| 28| 29| 30| 31| 32| 33| 34| 35| 36| 37| 38| 39| 40| 41| 42| 43| 44| 45| 46| 47| 48| 49| 50| 51| 52| 53| 54| 55| 56| 57| 58| 59| 60| 61| 62| 63| 64| 65| 66| 67| 68| 69| 70| 71| 72| 73| 74| 75| 76| 77| 78| 79| 80| 81| 82| 83| 84| 85| 86| 87| 88| 89| 90| 91| 92| 93| 94| 95| 96| 97| 98| 99]

[ | ]117] ] 93] | | | ]118|118]113|113|113] 99]118|118|118|118|118|118]115|115|115|115|115]110|110|110|110|110] | | ]101|101|101|101|101|101] ] 95| 95| 95]111|111] 95| 95| 95| 95| 95] 97| 97| 97| 97| 97| 97| 97| 97| 97]116|116|116|116|116|116|116|116]108|108|108|108|108|108|108|108|108|108] 95| 95] 96| 96]112|112]109|109|109|109|109|109|109|109]103|103|103|103|103|103] 92| 92| 92]

Average Turnaround: 8.683444

Average Waiting: 3.5069733

Average Response: 6.117647

Throughput: 16.0

List5

[ 0| 1| 2| 3| 4| 5| 6| 7| 8| 9| 10| 11| 12| 13| 14| 15| 16| 17| 18| 19| 20| 21| 22| 23| 24| 25| 26| 27| 28| 29| 30| 31| 32| 33| 34| 35| 36| 37| 38| 39| 40| 41| 42| 43| 44| 45| 46| 47| 48| 49| 50| 51| 52| 53| 54| 55| 56| 57| 58| 59| 60| 61| 62| 63| 64| 65| 66| 67| 68| 69| 70| 71| 72| 73| 74| 75| 76| 77| 78| 79| 80| 81| 82| 83| 84| 85| 86| 87| 88| 89| 90| 91| 92| 93| 94| 95| 96| 97| 98| 99]

[ | | ]137|137|137|137|137|137] | ]127|127]130|130|130|130|130|130]138|138|138|138|138|138|138|138|138|138]129|129|129]127|127|127|127|127|127|127|127]120|120|120|120|120|120|120|120|120|120]125|125|125|125|125]135|135|135|135|135|135|135]125]122|122]145|145|145|145]141|141|141]147|147|147|147|147|147]136|136|136|136|136|136|136|136]124|124]136]149|149|149|149|149|149|149|149|149]128|128|128|128|128|128|128]

Average Turnaround: 15.575537

Average Waiting: 9.325537

Average Response: 7.0

Throughput: 15.0

Avgerage Throughput: 15.4

Patricks-MBP-2:Code Patrick$