### INTRODUÇÃO  
  
Número de bases de dados: 20  
Discretização: freq2, freq4, freq8, width2, width4 e width8  
k: 5, 10, 20, 50,   
Função Objetivo: Qg  
Número de repetições: 30  
Métricas de avaliação: WRAcc, Qg, Time, size, Testes, suppP, conf, overoll suppP, GrowthRate, OddsRatio, DiffSup, cov, supp, suppN, TP, FP,

Bases de dados:

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| Base | |D| | |Dp| | |Dn| | Atributos | Itens |
| audiology\_pn | 226 | 57 | 169 | 69 | 154 |
| breast-cancer\_pn | 286 | 201 | 85 | 9 | 41 |
| bridges\_version2\_pn | 105 | 44 | 61 | 12 | 191 |
| car\_pn | 1728 | 1210 | 518 | 6 | 21 |
| kr-vs-kp\_pn | 3196 | 1669 | 1527 | 36 | 73 |
| lung-cancer\_pn | 32 | 13 | 19 | 56 | 157 |
| molecular-biology\_promoters\_pn | 106 | 53 | 53 | 58 | 334 |
| monks-problems-1\_train\_pn | 124 | 62 | 62 | 6 | 17 |
| mushroom\_pn | 8124 | 4208 | 3916 | 22 | 116 |
| nursery\_pn | 12960 | 4320 | 8640 | 8 | 27 |
| postoperative-patient-data\_pn | 90 | 64 | 26 | 8 | 23 |
| primary-tumor\_pn | 339 | 84 | 255 | 17 | 37 |
| shuttle-landing-control\_pn | 15 | 9 | 6 | 6 | 16 |
| solar-flare\_2\_pn | 1066 | 331 | 735 | 12 | 42 |
| soybean\_pn | 683 | 92 | 591 | 35 | 99 |
| spect\_test\_pn | 187 | 172 | 15 | 22 | 44 |
| splice\_pn | 3190 | 1655 | 1535 | 61 | 3465 |
| tic-tac-toe\_pn | 958 | 626 | 332 | 9 | 27 |
| trains\_pn | 10 | 5 | 5 | 32 | 77 |
| vote\_pn | 435 | 267 | 168 | 16 | 32 |

# Resultados Gerais

Média dos algoritmos considerando todas as bases de dados para k = 5 / FO = Qg

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| Algoritmo | WRAcc | Qg | Time | size | Testes | overoll suppP |
| AG | 0.053 | 123.670 | 0.112 | 2.130 | 2884.983 | 0.631 |
| PmPcP | 0.056 | 140.586 | 0.195 | 2.321 | 5113.473 | 0.625 |
| SD | 0.058 | 122.866 | 0.270 | 2.060 | 7997.500 | 0.674 |

Média dos algoritmos considerando todas as bases de dados para k = 10 / FO = Qg

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| Algoritmo | WRAcc | Qg | Time | size | Testes | overoll suppP |
| AG | 0.045 | 81.312 | 0.117 | 2.092 | 3042.745 | 0.754 |
| PmPcP | 0.046 | 99.188 | 0.206 | 2.291 | 5377.517 | 0.731 |
| SD | 0.051 | 124.637 | 0.565 | 1.550 | 14880.000 | 0.920 |

Média dos algoritmos considerando todas as bases de dados para k = 20 / FO = Qg

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| Algoritmo | WRAcc | Qg | Time | size | Testes | overoll suppP |
| AG | 0.037 | 52.014 | 0.129 | 1.963 | 3259.583 | 0.898 |
| PmPcP | 0.038 | 61.897 | 0.233 | 2.165 | 5942.787 | 0.868 |
| SD | 0.032 | 86.741 | 1.147 | 1.057 | 28088.000 | 0.966 |

Média dos algoritmos considerando todas as bases de dados para k = 50 / FO = Qg

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| Algoritmo | WRAcc | Qg | Time | size | Testes | overoll suppP |
| AG | 0.031 | 30.649 | 0.143 | 1.748 | 3541.940 | 0.983 |
| PmPcP | 0.032 | 35.761 | 0.258 | 1.877 | 6492.413 | 0.980 |
| SD | 0.015 | 17.072 | 3.858 | 0.538 | 80480.000 | 0.992 |

# Resultados Específicos

k = 5 / FO = Qg / M = WRAcc

|  |  |  |  |
| --- | --- | --- | --- |
| Base | AG | PmPcP | SD |
| audiology\_pn | 0.081 | 0.101 | 0.134 |
| breast-cancer\_pn | 0.020 | 0.021 | 0.021 |
| bridges\_version2\_pn | 0.079 | 0.085 | 0.077 |
| car\_pn | 0.053 | 0.053 | 0.059 |
| kr-vs-kp\_pn | 0.033 | 0.033 | 0.044 |
| lung-cancer\_pn | 0.073 | 0.076 | 0.089 |
| molecular-biology\_promoters\_pn | 0.067 | 0.065 | 0.064 |
| monks-problems-1\_train\_pn | 0.034 | 0.033 | 0.044 |
| mushroom\_pn | 0.041 | 0.058 | 0.028 |
| nursery\_pn | 0.044 | 0.044 | 0.044 |
| postoperative-patient-data\_pn | 0.021 | 0.022 | 0.019 |
| primary-tumor\_pn | 0.020 | 0.021 | 0.027 |
| shuttle-landing-control\_pn | 0.059 | 0.059 | 0.048 |
| solar-flare\_2\_pn | 0.088 | 0.088 | 0.061 |
| soybean\_pn | 0.035 | 0.037 | 0.041 |
| spect\_test\_pn | 0.024 | 0.024 | 0.025 |
| splice\_pn | 0.019 | 0.019 | 0.019 |
| tic-tac-toe\_pn | 0.012 | 0.015 | 0.020 |
| trains\_pn | 0.131 | 0.130 | 0.160 |
| vote\_pn | 0.119 | 0.128 | 0.137 |

k = 5 / FO = Qg / M = Qg

|  |  |  |  |
| --- | --- | --- | --- |
| Base | AG | PmPcP | SD |
| audiology\_pn | 14.744 | 24.149 | 40.600 |
| breast-cancer\_pn | 15.642 | 17.036 | 19.800 |
| bridges\_version2\_pn | 10.512 | 11.758 | 12.000 |
| car\_pn | 249.019 | 255.108 | 233.081 |
| kr-vs-kp\_pn | 138.989 | 144.161 | 292.400 |
| lung-cancer\_pn | 3.907 | 4.120 | 4.800 |
| molecular-biology\_promoters\_pn | 11.127 | 11.247 | 11.600 |
| monks-problems-1\_train\_pn | 4.322 | 6.320 | 1.747 |
| mushroom\_pn | 693.520 | 972.320 | 470.400 |
| nursery\_pn | 864.400 | 864.400 | 864.400 |
| postoperative-patient-data\_pn | 4.949 | 5.752 | 3.015 |
| primary-tumor\_pn | 4.188 | 6.854 | 12.000 |
| shuttle-landing-control\_pn | 2.134 | 2.145 | 2.057 |
| solar-flare\_2\_pn | 93.326 | 93.326 | 66.714 |
| soybean\_pn | 23.696 | 24.923 | 29.100 |
| spect\_test\_pn | 53.223 | 55.697 | 58.600 |
| splice\_pn | 125.353 | 125.813 | 126.200 |
| tic-tac-toe\_pn | 27.629 | 39.510 | 51.800 |
| trains\_pn | 2.613 | 2.600 | 3.000 |
| vote\_pn | 130.117 | 144.487 | 154.000 |

k = 5 / FO = Qg / M = Time

|  |  |  |  |
| --- | --- | --- | --- |
| Base | AG | PmPcP | SD |
| audiology\_pn | 0.013 | 0.026 | 0.036 |
| breast-cancer\_pn | 0.002 | 0.003 | 0.010 |
| bridges\_version2\_pn | 0.005 | 0.009 | 0.013 |
| car\_pn | 0.003 | 0.005 | 0.006 |
| kr-vs-kp\_pn | 0.028 | 0.047 | 0.184 |
| lung-cancer\_pn | 0.002 | 0.004 | 0.004 |
| molecular-biology\_promoters\_pn | 0.006 | 0.012 | 0.020 |
| monks-problems-1\_train\_pn | 0.001 | 0.001 | 0.000 |
| mushroom\_pn | 0.093 | 0.235 | 0.269 |
| nursery\_pn | 0.019 | 0.029 | 0.054 |
| postoperative-patient-data\_pn | 0.000 | 0.001 | 0.000 |
| primary-tumor\_pn | 0.002 | 0.005 | 0.014 |
| shuttle-landing-control\_pn | 0.000 | 0.000 | 0.000 |
| solar-flare\_2\_pn | 0.003 | 0.005 | 0.008 |
| soybean\_pn | 0.013 | 0.028 | 0.040 |
| spect\_test\_pn | 0.001 | 0.003 | 0.005 |
| splice\_pn | 2.035 | 3.469 | 4.700 |
| tic-tac-toe\_pn | 0.006 | 0.010 | 0.017 |
| trains\_pn | 0.000 | 0.001 | 0.001 |
| vote\_pn | 0.002 | 0.006 | 0.011 |

k = 5 / FO = Qg / M = size

|  |  |  |  |
| --- | --- | --- | --- |
| Base | AG | PmPcP | SD |
| audiology\_pn | 4.040 | 5.280 | 4.800 |
| breast-cancer\_pn | 1.967 | 2.053 | 2.600 |
| bridges\_version2\_pn | 2.693 | 2.760 | 2.800 |
| car\_pn | 1.420 | 1.420 | 1.000 |
| kr-vs-kp\_pn | 2.600 | 2.633 | 3.400 |
| lung-cancer\_pn | 2.420 | 2.567 | 2.200 |
| molecular-biology\_promoters\_pn | 1.473 | 1.527 | 1.600 |
| monks-problems-1\_train\_pn | 2.320 | 2.727 | 1.000 |
| mushroom\_pn | 1.433 | 1.760 | 1.000 |
| nursery\_pn | 1.000 | 1.000 | 0.200 |
| postoperative-patient-data\_pn | 2.160 | 2.440 | 1.000 |
| primary-tumor\_pn | 2.793 | 3.427 | 4.000 |
| shuttle-landing-control\_pn | 1.207 | 1.227 | 0.800 |
| solar-flare\_2\_pn | 1.000 | 1.000 | 0.400 |
| soybean\_pn | 3.320 | 3.567 | 2.600 |
| spect\_test\_pn | 1.713 | 1.787 | 1.800 |
| splice\_pn | 2.000 | 2.000 | 2.000 |
| tic-tac-toe\_pn | 3.347 | 3.473 | 3.000 |
| trains\_pn | 1.013 | 1.000 | 2.200 |
| vote\_pn | 2.680 | 2.780 | 2.800 |

k = 5 / FO = Qg / M = Testes

|  |  |  |  |
| --- | --- | --- | --- |
| Base | AG | PmPcP | SD |
| audiology\_pn | 2279.200 | 5092.267 | 9260.000 |
| breast-cancer\_pn | 337.567 | 576.733 | 2070.000 |
| bridges\_version2\_pn | 2425.700 | 4380.267 | 7660.000 |
| car\_pn | 107.800 | 179.200 | 230.000 |
| kr-vs-kp\_pn | 559.667 | 900.333 | 3670.000 |
| lung-cancer\_pn | 1559.533 | 2972.533 | 6300.000 |
| molecular-biology\_promoters\_pn | 2928.067 | 5410.800 | 10040.000 |
| monks-problems-1\_train\_pn | 145.633 | 306.000 | 190.000 |
| mushroom\_pn | 765.600 | 1902.400 | 2340.000 |
| nursery\_pn | 108.000 | 162.000 | 290.000 |
| postoperative-patient-data\_pn | 183.233 | 381.800 | 250.000 |
| primary-tumor\_pn | 402.067 | 772.067 | 2240.000 |
| shuttle-landing-control\_pn | 80.533 | 133.333 | 180.000 |
| solar-flare\_2\_pn | 168.000 | 252.000 | 440.000 |
| soybean\_pn | 1181.400 | 2224.200 | 3980.000 |
| spect\_test\_pn | 341.733 | 616.000 | 1340.000 |
| splice\_pn | 43197.000 | 74382.000 | 103970.000 |
| tic-tac-toe\_pn | 315.000 | 559.800 | 1100.000 |
| trains\_pn | 313.133 | 462.000 | 3100.000 |
| vote\_pn | 300.800 | 603.733 | 1300.000 |

k = 5 / FO = Qg / M = suppP

|  |  |  |  |
| --- | --- | --- | --- |
| Base | AG | PmPcP | SD |
| audiology\_pn | 0.435 | 0.539 | 0.712 |
| breast-cancer\_pn | 0.104 | 0.105 | 0.099 |
| bridges\_version2\_pn | 0.333 | 0.357 | 0.318 |
| car\_pn | 0.285 | 0.285 | 0.384 |
| kr-vs-kp\_pn | 0.135 | 0.135 | 0.175 |
| lung-cancer\_pn | 0.304 | 0.317 | 0.369 |
| molecular-biology\_promoters\_pn | 0.273 | 0.266 | 0.260 |
| monks-problems-1\_train\_pn | 0.169 | 0.138 | 0.377 |
| mushroom\_pn | 0.165 | 0.231 | 0.112 |
| nursery\_pn | 0.533 | 0.533 | 1.000 |
| postoperative-patient-data\_pn | 0.145 | 0.121 | 0.425 |
| primary-tumor\_pn | 0.116 | 0.116 | 0.143 |
| shuttle-landing-control\_pn | 0.680 | 0.658 | 0.733 |
| solar-flare\_2\_pn | 0.553 | 0.553 | 0.938 |
| soybean\_pn | 0.302 | 0.315 | 0.352 |
| spect\_test\_pn | 0.333 | 0.329 | 0.341 |
| splice\_pn | 0.076 | 0.076 | 0.076 |
| tic-tac-toe\_pn | 0.057 | 0.067 | 0.089 |
| trains\_pn | 0.523 | 0.520 | 0.680 |
| vote\_pn | 0.504 | 0.541 | 0.577 |

k = 5 / FO = Qg / M = conf

|  |  |  |  |
| --- | --- | --- | --- |
| Base | AG | PmPcP | SD |
| audiology\_pn | 0.974 | 0.988 | 1.000 |
| breast-cancer\_pn | 0.982 | 0.986 | 1.000 |
| bridges\_version2\_pn | 0.978 | 0.980 | 0.990 |
| car\_pn | 0.936 | 0.944 | 0.890 |
| kr-vs-kp\_pn | 0.967 | 0.964 | 1.000 |
| lung-cancer\_pn | 0.998 | 1.000 | 1.000 |
| molecular-biology\_promoters\_pn | 0.985 | 0.987 | 0.991 |
| monks-problems-1\_train\_pn | 0.873 | 0.972 | 0.652 |
| mushroom\_pn | 1.000 | 1.000 | 1.000 |
| nursery\_pn | 0.467 | 0.467 | 0.467 |
| postoperative-patient-data\_pn | 0.930 | 0.965 | 0.776 |
| primary-tumor\_pn | 0.894 | 0.958 | 1.000 |
| shuttle-landing-control\_pn | 0.800 | 0.810 | 0.777 |
| solar-flare\_2\_pn | 0.677 | 0.677 | 0.496 |
| soybean\_pn | 0.991 | 0.993 | 0.994 |
| spect\_test\_pn | 0.999 | 1.000 | 1.000 |
| splice\_pn | 1.000 | 1.000 | 1.000 |
| tic-tac-toe\_pn | 0.985 | 0.996 | 0.995 |
| trains\_pn | 1.000 | 1.000 | 0.960 |
| vote\_pn | 1.000 | 1.000 | 1.000 |

k = 5 / FO = Qg / M = overoll suppP

|  |  |  |  |
| --- | --- | --- | --- |
| Base | AG | PmPcP | SD |
| audiology\_pn | 0.803 | 0.864 | 0.947 |
| breast-cancer\_pn | 0.223 | 0.222 | 0.269 |
| bridges\_version2\_pn | 0.598 | 0.566 | 0.477 |
| car\_pn | 0.919 | 0.921 | 0.990 |
| kr-vs-kp\_pn | 0.471 | 0.459 | 0.477 |
| lung-cancer\_pn | 0.767 | 0.733 | 0.615 |
| molecular-biology\_promoters\_pn | 0.754 | 0.699 | 0.604 |
| monks-problems-1\_train\_pn | 0.507 | 0.367 | 1.000 |
| mushroom\_pn | 0.544 | 0.615 | 0.452 |
| nursery\_pn | 1.000 | 1.000 | 1.000 |
| postoperative-patient-data\_pn | 0.390 | 0.337 | 0.938 |
| primary-tumor\_pn | 0.321 | 0.308 | 0.417 |
| shuttle-landing-control\_pn | 1.000 | 1.000 | 1.000 |
| solar-flare\_2\_pn | 1.000 | 1.000 | 1.000 |
| soybean\_pn | 0.483 | 0.530 | 0.413 |
| spect\_test\_pn | 0.655 | 0.632 | 0.605 |
| splice\_pn | 0.281 | 0.279 | 0.279 |
| tic-tac-toe\_pn | 0.193 | 0.251 | 0.371 |
| trains\_pn | 1.000 | 1.000 | 1.000 |
| vote\_pn | 0.705 | 0.708 | 0.622 |

k = 5 / FO = Qg / M = GrowthRate

|  |  |  |  |
| --- | --- | --- | --- |
| Base | AG | PmPcP | SD |
| audiology\_pn | Infinity | Infinity | Infinity |
| breast-cancer\_pn | Infinity | Infinity | Infinity |
| bridges\_version2\_pn | Infinity | Infinity | Infinity |
| car\_pn | Infinity | Infinity | Infinity |
| kr-vs-kp\_pn | Infinity | Infinity | Infinity |
| lung-cancer\_pn | Infinity | Infinity | Infinity |
| molecular-biology\_promoters\_pn | Infinity | Infinity | Infinity |
| monks-problems-1\_train\_pn | Infinity | Infinity | 1.890 |
| mushroom\_pn | Infinity | Infinity | Infinity |
| nursery\_pn | Infinity | Infinity | Infinity |
| postoperative-patient-data\_pn | Infinity | Infinity | 1.454 |
| primary-tumor\_pn | Infinity | Infinity | Infinity |
| shuttle-landing-control\_pn | Infinity | Infinity | Infinity |
| solar-flare\_2\_pn | Infinity | Infinity | Infinity |
| soybean\_pn | Infinity | Infinity | Infinity |
| spect\_test\_pn | Infinity | Infinity | Infinity |
| splice\_pn | Infinity | Infinity | Infinity |
| tic-tac-toe\_pn | Infinity | Infinity | Infinity |
| trains\_pn | Infinity | Infinity | Infinity |
| vote\_pn | Infinity | Infinity | Infinity |

k = 5 / FO = Qg / M = OddsRatio

|  |  |  |  |
| --- | --- | --- | --- |
| Base | AG | PmPcP | SD |
| audiology\_pn | Infinity | Infinity | Infinity |
| breast-cancer\_pn | Infinity | Infinity | Infinity |
| bridges\_version2\_pn | Infinity | Infinity | Infinity |
| car\_pn | Infinity | Infinity | Infinity |
| kr-vs-kp\_pn | Infinity | Infinity | Infinity |
| lung-cancer\_pn | Infinity | Infinity | Infinity |
| molecular-biology\_promoters\_pn | Infinity | Infinity | Infinity |
| monks-problems-1\_train\_pn | Infinity | Infinity | 2.480 |
| mushroom\_pn | Infinity | Infinity | Infinity |
| nursery\_pn | Infinity | Infinity | NaN |
| postoperative-patient-data\_pn | Infinity | Infinity | 1.722 |
| primary-tumor\_pn | Infinity | Infinity | Infinity |
| shuttle-landing-control\_pn | Infinity | Infinity | NaN |
| solar-flare\_2\_pn | Infinity | Infinity | NaN |
| soybean\_pn | Infinity | Infinity | Infinity |
| spect\_test\_pn | Infinity | Infinity | Infinity |
| splice\_pn | Infinity | Infinity | Infinity |
| tic-tac-toe\_pn | Infinity | Infinity | Infinity |
| trains\_pn | Infinity | Infinity | Infinity |
| vote\_pn | Infinity | Infinity | Infinity |

k = 5 / FO = Qg / M = DiffSup

|  |  |  |  |
| --- | --- | --- | --- |
| Base | AG | PmPcP | SD |
| audiology\_pn | 0.429 | 0.536 | 0.712 |
| breast-cancer\_pn | 0.096 | 0.100 | 0.099 |
| bridges\_version2\_pn | 0.324 | 0.350 | 0.315 |
| car\_pn | 0.250 | 0.252 | 0.280 |
| kr-vs-kp\_pn | 0.131 | 0.131 | 0.175 |
| lung-cancer\_pn | 0.303 | 0.317 | 0.369 |
| molecular-biology\_promoters\_pn | 0.267 | 0.261 | 0.257 |
| monks-problems-1\_train\_pn | 0.136 | 0.132 | 0.177 |
| mushroom\_pn | 0.165 | 0.231 | 0.112 |
| nursery\_pn | 0.200 | 0.200 | 0.200 |
| postoperative-patient-data\_pn | 0.102 | 0.105 | 0.094 |
| primary-tumor\_pn | 0.109 | 0.113 | 0.143 |
| shuttle-landing-control\_pn | 0.246 | 0.246 | 0.200 |
| solar-flare\_2\_pn | 0.410 | 0.410 | 0.287 |
| soybean\_pn | 0.302 | 0.315 | 0.352 |
| spect\_test\_pn | 0.327 | 0.327 | 0.341 |
| splice\_pn | 0.076 | 0.076 | 0.076 |
| tic-tac-toe\_pn | 0.055 | 0.066 | 0.088 |
| trains\_pn | 0.523 | 0.520 | 0.640 |
| vote\_pn | 0.503 | 0.541 | 0.577 |

k = 5 / FO = Qg / M = cov

|  |  |  |  |
| --- | --- | --- | --- |
| Base | AG | PmPcP | SD |
| audiology\_pn | 0.114 | 0.138 | 0.180 |
| breast-cancer\_pn | 0.075 | 0.075 | 0.069 |
| bridges\_version2\_pn | 0.144 | 0.154 | 0.135 |
| car\_pn | 0.210 | 0.210 | 0.300 |
| kr-vs-kp\_pn | 0.072 | 0.073 | 0.091 |
| lung-cancer\_pn | 0.124 | 0.129 | 0.150 |
| molecular-biology\_promoters\_pn | 0.139 | 0.136 | 0.132 |
| monks-problems-1\_train\_pn | 0.101 | 0.072 | 0.289 |
| mushroom\_pn | 0.085 | 0.120 | 0.058 |
| nursery\_pn | 0.400 | 0.400 | 0.867 |
| postoperative-patient-data\_pn | 0.115 | 0.091 | 0.398 |
| primary-tumor\_pn | 0.034 | 0.031 | 0.035 |
| shuttle-landing-control\_pn | 0.582 | 0.560 | 0.653 |
| solar-flare\_2\_pn | 0.270 | 0.270 | 0.740 |
| soybean\_pn | 0.041 | 0.043 | 0.048 |
| spect\_test\_pn | 0.307 | 0.302 | 0.313 |
| splice\_pn | 0.039 | 0.039 | 0.040 |
| tic-tac-toe\_pn | 0.038 | 0.044 | 0.058 |
| trains\_pn | 0.261 | 0.260 | 0.360 |
| vote\_pn | 0.309 | 0.332 | 0.354 |

k = 5 / FO = Qg / M = supp

|  |  |  |  |
| --- | --- | --- | --- |
| Base | AG | PmPcP | SD |
| audiology\_pn | 0.110 | 0.136 | 0.180 |
| breast-cancer\_pn | 0.073 | 0.074 | 0.069 |
| bridges\_version2\_pn | 0.139 | 0.150 | 0.133 |
| car\_pn | 0.200 | 0.200 | 0.269 |
| kr-vs-kp\_pn | 0.070 | 0.071 | 0.091 |
| lung-cancer\_pn | 0.124 | 0.129 | 0.150 |
| molecular-biology\_promoters\_pn | 0.136 | 0.133 | 0.130 |
| monks-problems-1\_train\_pn | 0.085 | 0.069 | 0.189 |
| mushroom\_pn | 0.085 | 0.120 | 0.058 |
| nursery\_pn | 0.178 | 0.178 | 0.333 |
| postoperative-patient-data\_pn | 0.103 | 0.086 | 0.302 |
| primary-tumor\_pn | 0.029 | 0.029 | 0.035 |
| shuttle-landing-control\_pn | 0.408 | 0.395 | 0.440 |
| solar-flare\_2\_pn | 0.172 | 0.172 | 0.291 |
| soybean\_pn | 0.041 | 0.042 | 0.047 |
| spect\_test\_pn | 0.306 | 0.302 | 0.313 |
| splice\_pn | 0.039 | 0.039 | 0.040 |
| tic-tac-toe\_pn | 0.037 | 0.044 | 0.058 |
| trains\_pn | 0.261 | 0.260 | 0.340 |
| vote\_pn | 0.309 | 0.332 | 0.354 |

k = 5 / FO = Qg / M = suppN

|  |  |  |  |
| --- | --- | --- | --- |
| Base | AG | PmPcP | SD |
| audiology\_pn | 0.006 | 0.003 | 0.000 |
| breast-cancer\_pn | 0.007 | 0.004 | 0.000 |
| bridges\_version2\_pn | 0.009 | 0.008 | 0.003 |
| car\_pn | 0.035 | 0.033 | 0.104 |
| kr-vs-kp\_pn | 0.004 | 0.004 | 0.000 |
| lung-cancer\_pn | 0.001 | 0.000 | 0.000 |
| molecular-biology\_promoters\_pn | 0.006 | 0.005 | 0.004 |
| monks-problems-1\_train\_pn | 0.033 | 0.007 | 0.200 |
| mushroom\_pn | 0.000 | 0.000 | 0.000 |
| nursery\_pn | 0.333 | 0.333 | 0.800 |
| postoperative-patient-data\_pn | 0.042 | 0.016 | 0.331 |
| primary-tumor\_pn | 0.007 | 0.003 | 0.000 |
| shuttle-landing-control\_pn | 0.434 | 0.412 | 0.533 |
| solar-flare\_2\_pn | 0.143 | 0.143 | 0.651 |
| soybean\_pn | 0.000 | 0.000 | 0.000 |
| spect\_test\_pn | 0.007 | 0.001 | 0.000 |
| splice\_pn | 0.000 | 0.000 | 0.000 |
| tic-tac-toe\_pn | 0.002 | 0.000 | 0.001 |
| trains\_pn | 0.000 | 0.000 | 0.040 |
| vote\_pn | 0.000 | 0.000 | 0.000 |

k = 5 / FO = Qg / M = TP

|  |  |  |  |
| --- | --- | --- | --- |
| Base | AG | PmPcP | SD |
| audiology\_pn | 24.773 | 30.747 | 40.600 |
| breast-cancer\_pn | 20.893 | 21.067 | 19.800 |
| bridges\_version2\_pn | 14.640 | 15.727 | 14.000 |
| car\_pn | 345.047 | 345.100 | 464.400 |
| kr-vs-kp\_pn | 224.900 | 225.600 | 292.400 |
| lung-cancer\_pn | 3.953 | 4.120 | 4.800 |
| molecular-biology\_promoters\_pn | 14.460 | 14.093 | 13.800 |
| monks-problems-1\_train\_pn | 10.480 | 8.567 | 23.400 |
| mushroom\_pn | 693.520 | 972.320 | 470.400 |
| nursery\_pn | 2304.000 | 2304.000 | 4320.000 |
| postoperative-patient-data\_pn | 9.253 | 7.747 | 27.200 |
| primary-tumor\_pn | 9.767 | 9.733 | 12.000 |
| shuttle-landing-control\_pn | 6.120 | 5.920 | 6.600 |
| solar-flare\_2\_pn | 183.000 | 183.000 | 310.400 |
| soybean\_pn | 27.800 | 28.980 | 32.400 |
| spect\_test\_pn | 57.313 | 56.507 | 58.600 |
| splice\_pn | 125.353 | 125.813 | 126.200 |
| tic-tac-toe\_pn | 35.893 | 41.740 | 55.600 |
| trains\_pn | 2.613 | 2.600 | 3.400 |
| vote\_pn | 134.467 | 144.487 | 154.000 |

k = 5 / FO = Qg / M = FP

|  |  |  |  |
| --- | --- | --- | --- |
| Base | AG | PmPcP | SD |
| audiology\_pn | 1.033 | 0.493 | 0.000 |
| breast-cancer\_pn | 0.633 | 0.367 | 0.000 |
| bridges\_version2\_pn | 0.527 | 0.480 | 0.200 |
| car\_pn | 18.073 | 17.060 | 54.000 |
| kr-vs-kp\_pn | 6.453 | 6.547 | 0.000 |
| lung-cancer\_pn | 0.013 | 0.000 | 0.000 |
| molecular-biology\_promoters\_pn | 0.327 | 0.273 | 0.200 |
| monks-problems-1\_train\_pn | 2.053 | 0.413 | 12.400 |
| mushroom\_pn | 0.000 | 0.000 | 0.000 |
| nursery\_pn | 2880.000 | 2880.000 | 6912.000 |
| postoperative-patient-data\_pn | 1.100 | 0.413 | 8.600 |
| primary-tumor\_pn | 1.727 | 0.653 | 0.000 |
| shuttle-landing-control\_pn | 2.607 | 2.473 | 3.200 |
| solar-flare\_2\_pn | 104.800 | 104.800 | 478.200 |
| soybean\_pn | 0.287 | 0.247 | 0.200 |
| spect\_test\_pn | 0.100 | 0.020 | 0.000 |
| splice\_pn | 0.000 | 0.000 | 0.000 |
| tic-tac-toe\_pn | 0.773 | 0.160 | 0.200 |
| trains\_pn | 0.000 | 0.000 | 0.200 |
| vote\_pn | 0.053 | 0.000 | 0.000 |

k = 10 / FO = Qg / M = WRAcc

|  |  |  |  |
| --- | --- | --- | --- |
| Base | AG | PmPcP | SD |
| audiology\_pn | 0.079 | 0.099 | 0.132 |
| breast-cancer\_pn | 0.019 | 0.019 | 0.028 |
| bridges\_version2\_pn | 0.081 | 0.079 | 0.063 |
| car\_pn | 0.035 | 0.035 | 0.033 |
| kr-vs-kp\_pn | 0.029 | 0.026 | 0.050 |
| lung-cancer\_pn | 0.068 | 0.069 | 0.087 |
| molecular-biology\_promoters\_pn | 0.058 | 0.058 | 0.057 |
| monks-problems-1\_train\_pn | 0.033 | 0.030 | 0.027 |
| mushroom\_pn | 0.034 | 0.053 | 0.076 |
| nursery\_pn | 0.022 | 0.022 | 0.022 |
| postoperative-patient-data\_pn | 0.019 | 0.021 | 0.013 |
| primary-tumor\_pn | 0.021 | 0.022 | 0.033 |
| shuttle-landing-control\_pn | 0.030 | 0.030 | 0.024 |
| solar-flare\_2\_pn | 0.055 | 0.055 | 0.031 |
| soybean\_pn | 0.027 | 0.029 | 0.041 |
| spect\_test\_pn | 0.023 | 0.023 | 0.023 |
| splice\_pn | 0.018 | 0.018 | 0.018 |
| tic-tac-toe\_pn | 0.011 | 0.012 | 0.022 |
| trains\_pn | 0.106 | 0.107 | 0.080 |
| vote\_pn | 0.123 | 0.123 | 0.151 |

k = 10 / FO = Qg / M = Qg

|  |  |  |  |
| --- | --- | --- | --- |
| Base | AG | PmPcP | SD |
| audiology\_pn | 11.430 | 19.376 | 32.450 |
| breast-cancer\_pn | 10.886 | 12.405 | 4.295 |
| bridges\_version2\_pn | 8.233 | 9.173 | 1.569 |
| car\_pn | 126.621 | 127.511 | 117.873 |
| kr-vs-kp\_pn | 83.071 | 73.493 | 335.300 |
| lung-cancer\_pn | 3.406 | 3.652 | 4.700 |
| molecular-biology\_promoters\_pn | 9.927 | 10.247 | 11.000 |
| monks-problems-1\_train\_pn | 3.266 | 5.098 | 1.414 |
| mushroom\_pn | 569.773 | 891.160 | 1288.000 |
| nursery\_pn | 432.450 | 432.450 | 432.450 |
| postoperative-patient-data\_pn | 4.131 | 4.691 | 2.734 |
| primary-tumor\_pn | 3.302 | 5.629 | 0.738 |
| shuttle-landing-control\_pn | 1.660 | 1.650 | 1.671 |
| solar-flare\_2\_pn | 46.921 | 46.921 | 33.582 |
| soybean\_pn | 14.730 | 17.568 | 28.650 |
| spect\_test\_pn | 45.640 | 48.485 | 54.500 |
| splice\_pn | 120.823 | 120.953 | 121.500 |
| tic-tac-toe\_pn | 20.273 | 30.018 | 2.472 |
| trains\_pn | 2.015 | 2.020 | 1.550 |
| vote\_pn | 107.685 | 121.256 | 16.286 |

k = 10 / FO = Qg / M = Time

|  |  |  |  |
| --- | --- | --- | --- |
| Base | AG | PmPcP | SD |
| audiology\_pn | 0.012 | 0.026 | 0.074 |
| breast-cancer\_pn | 0.002 | 0.003 | 0.005 |
| bridges\_version2\_pn | 0.004 | 0.010 | 0.010 |
| car\_pn | 0.003 | 0.004 | 0.014 |
| kr-vs-kp\_pn | 0.029 | 0.047 | 0.380 |
| lung-cancer\_pn | 0.002 | 0.004 | 0.010 |
| molecular-biology\_promoters\_pn | 0.007 | 0.014 | 0.037 |
| monks-problems-1\_train\_pn | 0.000 | 0.001 | 0.001 |
| mushroom\_pn | 0.094 | 0.301 | 0.809 |
| nursery\_pn | 0.019 | 0.029 | 0.110 |
| postoperative-patient-data\_pn | 0.000 | 0.001 | 0.001 |
| primary-tumor\_pn | 0.003 | 0.006 | 0.005 |
| shuttle-landing-control\_pn | 0.000 | 0.000 | 0.000 |
| solar-flare\_2\_pn | 0.003 | 0.005 | 0.016 |
| soybean\_pn | 0.013 | 0.025 | 0.105 |
| spect\_test\_pn | 0.001 | 0.003 | 0.010 |
| splice\_pn | 2.148 | 3.618 | 9.692 |
| tic-tac-toe\_pn | 0.006 | 0.011 | 0.011 |
| trains\_pn | 0.000 | 0.000 | 0.001 |
| vote\_pn | 0.002 | 0.005 | 0.006 |

k = 10 / FO = Qg / M = size

|  |  |  |  |
| --- | --- | --- | --- |
| Base | AG | PmPcP | SD |
| audiology\_pn | 3.860 | 5.003 | 4.700 |
| breast-cancer\_pn | 2.047 | 2.163 | 1.000 |
| bridges\_version2\_pn | 2.453 | 2.493 | 1.000 |
| car\_pn | 1.443 | 1.413 | 0.800 |
| kr-vs-kp\_pn | 2.780 | 2.697 | 3.600 |
| lung-cancer\_pn | 2.437 | 2.587 | 2.400 |
| molecular-biology\_promoters\_pn | 1.620 | 1.667 | 1.800 |
| monks-problems-1\_train\_pn | 2.127 | 2.620 | 0.900 |
| mushroom\_pn | 1.417 | 1.807 | 2.000 |
| nursery\_pn | 1.000 | 1.000 | 0.100 |
| postoperative-patient-data\_pn | 1.893 | 2.130 | 0.900 |
| primary-tumor\_pn | 2.473 | 3.357 | 1.000 |
| shuttle-landing-control\_pn | 1.193 | 1.183 | 0.400 |
| solar-flare\_2\_pn | 1.000 | 1.000 | 0.200 |
| soybean\_pn | 3.370 | 3.580 | 3.300 |
| spect\_test\_pn | 1.647 | 1.807 | 1.900 |
| splice\_pn | 2.000 | 2.000 | 2.000 |
| tic-tac-toe\_pn | 3.360 | 3.503 | 1.000 |
| trains\_pn | 1.120 | 1.130 | 1.000 |
| vote\_pn | 2.593 | 2.687 | 1.000 |

k = 10 / FO = Qg / M = Testes

|  |  |  |  |
| --- | --- | --- | --- |
| Base | AG | PmPcP | SD |
| audiology\_pn | 2458.867 | 5328.400 | 18520.000 |
| breast-cancer\_pn | 338.933 | 606.800 | 860.000 |
| bridges\_version2\_pn | 2412.967 | 4673.133 | 3860.000 |
| car\_pn | 109.900 | 173.600 | 460.000 |
| kr-vs-kp\_pn | 569.400 | 885.733 | 7340.000 |
| lung-cancer\_pn | 1658.967 | 3150.467 | 12600.000 |
| molecular-biology\_promoters\_pn | 3395.667 | 6435.067 | 20080.000 |
| monks-problems-1\_train\_pn | 139.967 | 353.600 | 380.000 |
| mushroom\_pn | 773.333 | 2366.400 | 7000.000 |
| nursery\_pn | 108.000 | 162.000 | 580.000 |
| postoperative-patient-data\_pn | 190.133 | 364.933 | 500.000 |
| primary-tumor\_pn | 388.500 | 858.400 | 780.000 |
| shuttle-landing-control\_pn | 85.333 | 135.467 | 360.000 |
| solar-flare\_2\_pn | 168.000 | 252.000 | 880.000 |
| soybean\_pn | 1161.600 | 2158.200 | 9940.000 |
| spect\_test\_pn | 343.200 | 674.667 | 2680.000 |
| splice\_pn | 45507.000 | 77154.000 | 207940.000 |
| tic-tac-toe\_pn | 334.800 | 640.800 | 580.000 |
| trains\_pn | 385.000 | 626.267 | 1580.000 |
| vote\_pn | 325.333 | 550.400 | 680.000 |

k = 10 / FO = Qg / M = suppP

|  |  |  |  |
| --- | --- | --- | --- |
| Base | AG | PmPcP | SD |
| audiology\_pn | 0.432 | 0.529 | 0.700 |
| breast-cancer\_pn | 0.117 | 0.113 | 0.450 |
| bridges\_version2\_pn | 0.356 | 0.339 | 0.580 |
| car\_pn | 0.245 | 0.250 | 0.472 |
| kr-vs-kp\_pn | 0.127 | 0.111 | 0.201 |
| lung-cancer\_pn | 0.289 | 0.291 | 0.362 |
| molecular-biology\_promoters\_pn | 0.237 | 0.236 | 0.228 |
| monks-problems-1\_train\_pn | 0.197 | 0.136 | 0.465 |
| mushroom\_pn | 0.135 | 0.212 | 0.306 |
| nursery\_pn | 0.433 | 0.433 | 1.000 |
| postoperative-patient-data\_pn | 0.163 | 0.150 | 0.514 |
| primary-tumor\_pn | 0.126 | 0.121 | 0.449 |
| shuttle-landing-control\_pn | 0.653 | 0.633 | 0.867 |
| solar-flare\_2\_pn | 0.734 | 0.734 | 0.969 |
| soybean\_pn | 0.229 | 0.250 | 0.354 |
| spect\_test\_pn | 0.335 | 0.315 | 0.317 |
| splice\_pn | 0.073 | 0.073 | 0.073 |
| tic-tac-toe\_pn | 0.053 | 0.054 | 0.411 |
| trains\_pn | 0.530 | 0.526 | 0.800 |
| vote\_pn | 0.522 | 0.520 | 0.746 |

k = 10 / FO = Qg / M = conf

|  |  |  |  |
| --- | --- | --- | --- |
| Base | AG | PmPcP | SD |
| audiology\_pn | 0.952 | 0.978 | 0.994 |
| breast-cancer\_pn | 0.950 | 0.959 | 0.793 |
| bridges\_version2\_pn | 0.943 | 0.961 | 0.597 |
| car\_pn | 0.871 | 0.868 | 0.808 |
| kr-vs-kp\_pn | 0.933 | 0.933 | 1.000 |
| lung-cancer\_pn | 0.980 | 0.994 | 1.000 |
| molecular-biology\_promoters\_pn | 0.986 | 0.988 | 0.996 |
| monks-problems-1\_train\_pn | 0.812 | 0.934 | 0.590 |
| mushroom\_pn | 1.000 | 1.000 | 1.000 |
| nursery\_pn | 0.400 | 0.400 | 0.400 |
| postoperative-patient-data\_pn | 0.897 | 0.919 | 0.755 |
| primary-tumor\_pn | 0.847 | 0.926 | 0.413 |
| shuttle-landing-control\_pn | 0.715 | 0.718 | 0.689 |
| solar-flare\_2\_pn | 0.508 | 0.508 | 0.403 |
| soybean\_pn | 0.965 | 0.977 | 0.995 |
| spect\_test\_pn | 0.996 | 0.998 | 1.000 |
| splice\_pn | 1.000 | 1.000 | 1.000 |
| tic-tac-toe\_pn | 0.972 | 0.995 | 0.710 |
| trains\_pn | 0.900 | 0.901 | 0.673 |
| vote\_pn | 0.997 | 0.999 | 0.917 |

k = 10 / FO = Qg / M = overoll suppP

|  |  |  |  |
| --- | --- | --- | --- |
| Base | AG | PmPcP | SD |
| audiology\_pn | 0.902 | 0.940 | 0.965 |
| breast-cancer\_pn | 0.447 | 0.410 | 1.000 |
| bridges\_version2\_pn | 0.757 | 0.716 | 1.000 |
| car\_pn | 0.991 | 0.991 | 1.000 |
| kr-vs-kp\_pn | 0.620 | 0.546 | 0.865 |
| lung-cancer\_pn | 0.900 | 0.895 | 0.923 |
| molecular-biology\_promoters\_pn | 0.860 | 0.840 | 0.792 |
| monks-problems-1\_train\_pn | 0.795 | 0.588 | 1.000 |
| mushroom\_pn | 0.727 | 0.783 | 0.839 |
| nursery\_pn | 1.000 | 1.000 | 1.000 |
| postoperative-patient-data\_pn | 0.585 | 0.510 | 1.000 |
| primary-tumor\_pn | 0.498 | 0.414 | 1.000 |
| shuttle-landing-control\_pn | 1.000 | 1.000 | 1.000 |
| solar-flare\_2\_pn | 1.000 | 1.000 | 1.000 |
| soybean\_pn | 0.610 | 0.607 | 0.815 |
| spect\_test\_pn | 0.812 | 0.769 | 0.744 |
| splice\_pn | 0.455 | 0.462 | 0.463 |
| tic-tac-toe\_pn | 0.292 | 0.329 | 1.000 |
| trains\_pn | 1.000 | 1.000 | 1.000 |
| vote\_pn | 0.824 | 0.815 | 0.996 |

k = 10 / FO = Qg / M = GrowthRate

|  |  |  |  |
| --- | --- | --- | --- |
| Base | AG | PmPcP | SD |
| audiology\_pn | Infinity | Infinity | Infinity |
| breast-cancer\_pn | Infinity | Infinity | 2.477 |
| bridges\_version2\_pn | Infinity | Infinity | 2.481 |
| car\_pn | Infinity | Infinity | Infinity |
| kr-vs-kp\_pn | Infinity | Infinity | Infinity |
| lung-cancer\_pn | Infinity | Infinity | Infinity |
| molecular-biology\_promoters\_pn | Infinity | Infinity | Infinity |
| monks-problems-1\_train\_pn | Infinity | Infinity | 1.508 |
| mushroom\_pn | Infinity | Infinity | Infinity |
| nursery\_pn | Infinity | Infinity | Infinity |
| postoperative-patient-data\_pn | Infinity | Infinity | 1.290 |
| primary-tumor\_pn | Infinity | Infinity | 2.357 |
| shuttle-landing-control\_pn | Infinity | Infinity | Infinity |
| solar-flare\_2\_pn | Infinity | Infinity | Infinity |
| soybean\_pn | Infinity | Infinity | Infinity |
| spect\_test\_pn | Infinity | Infinity | Infinity |
| splice\_pn | Infinity | Infinity | Infinity |
| tic-tac-toe\_pn | Infinity | Infinity | 1.325 |
| trains\_pn | Infinity | Infinity | Infinity |
| vote\_pn | Infinity | Infinity | 11.998 |

k = 10 / FO = Qg / M = OddsRatio

|  |  |  |  |
| --- | --- | --- | --- |
| Base | AG | PmPcP | SD |
| audiology\_pn | Infinity | Infinity | Infinity |
| breast-cancer\_pn | Infinity | Infinity | 3.433 |
| bridges\_version2\_pn | Infinity | Infinity | 6.908 |
| car\_pn | Infinity | Infinity | NaN |
| kr-vs-kp\_pn | Infinity | Infinity | Infinity |
| lung-cancer\_pn | Infinity | Infinity | Infinity |
| molecular-biology\_promoters\_pn | Infinity | Infinity | Infinity |
| monks-problems-1\_train\_pn | Infinity | Infinity | NaN |
| mushroom\_pn | Infinity | Infinity | Infinity |
| nursery\_pn | Infinity | Infinity | NaN |
| postoperative-patient-data\_pn | Infinity | Infinity | NaN |
| primary-tumor\_pn | Infinity | Infinity | 3.575 |
| shuttle-landing-control\_pn | Infinity | Infinity | NaN |
| solar-flare\_2\_pn | Infinity | Infinity | NaN |
| soybean\_pn | Infinity | Infinity | Infinity |
| spect\_test\_pn | Infinity | Infinity | Infinity |
| splice\_pn | Infinity | Infinity | Infinity |
| tic-tac-toe\_pn | Infinity | Infinity | 1.630 |
| trains\_pn | Infinity | Infinity | Infinity |
| vote\_pn | Infinity | Infinity | 89.243 |

k = 10 / FO = Qg / M = DiffSup

|  |  |  |  |
| --- | --- | --- | --- |
| Base | AG | PmPcP | SD |
| audiology\_pn | 0.421 | 0.524 | 0.698 |
| breast-cancer\_pn | 0.090 | 0.093 | 0.136 |
| bridges\_version2\_pn | 0.333 | 0.325 | 0.258 |
| car\_pn | 0.167 | 0.167 | 0.155 |
| kr-vs-kp\_pn | 0.115 | 0.102 | 0.201 |
| lung-cancer\_pn | 0.282 | 0.288 | 0.362 |
| molecular-biology\_promoters\_pn | 0.232 | 0.232 | 0.226 |
| monks-problems-1\_train\_pn | 0.133 | 0.122 | 0.110 |
| mushroom\_pn | 0.135 | 0.212 | 0.306 |
| nursery\_pn | 0.100 | 0.100 | 0.100 |
| postoperative-patient-data\_pn | 0.092 | 0.100 | 0.064 |
| primary-tumor\_pn | 0.113 | 0.116 | 0.178 |
| shuttle-landing-control\_pn | 0.158 | 0.156 | 0.100 |
| solar-flare\_2\_pn | 0.259 | 0.259 | 0.144 |
| soybean\_pn | 0.228 | 0.249 | 0.354 |
| spect\_test\_pn | 0.314 | 0.306 | 0.317 |
| splice\_pn | 0.073 | 0.073 | 0.073 |
| tic-tac-toe\_pn | 0.049 | 0.053 | 0.099 |
| trains\_pn | 0.425 | 0.426 | 0.320 |
| vote\_pn | 0.520 | 0.518 | 0.636 |

k = 10 / FO = Qg / M = cov

|  |  |  |  |
| --- | --- | --- | --- |
| Base | AG | PmPcP | SD |
| audiology\_pn | 0.117 | 0.138 | 0.178 |
| breast-cancer\_pn | 0.090 | 0.086 | 0.409 |
| bridges\_version2\_pn | 0.162 | 0.151 | 0.430 |
| car\_pn | 0.195 | 0.200 | 0.425 |
| kr-vs-kp\_pn | 0.072 | 0.063 | 0.105 |
| lung-cancer\_pn | 0.121 | 0.119 | 0.147 |
| molecular-biology\_promoters\_pn | 0.121 | 0.120 | 0.115 |
| monks-problems-1\_train\_pn | 0.130 | 0.075 | 0.410 |
| mushroom\_pn | 0.070 | 0.110 | 0.159 |
| nursery\_pn | 0.367 | 0.367 | 0.933 |
| postoperative-patient-data\_pn | 0.136 | 0.121 | 0.496 |
| primary-tumor\_pn | 0.041 | 0.034 | 0.315 |
| shuttle-landing-control\_pn | 0.603 | 0.583 | 0.827 |
| solar-flare\_2\_pn | 0.555 | 0.555 | 0.870 |
| soybean\_pn | 0.032 | 0.035 | 0.048 |
| spect\_test\_pn | 0.310 | 0.291 | 0.291 |
| splice\_pn | 0.038 | 0.038 | 0.038 |
| tic-tac-toe\_pn | 0.036 | 0.035 | 0.377 |
| trains\_pn | 0.318 | 0.313 | 0.640 |
| vote\_pn | 0.322 | 0.320 | 0.500 |

k = 10 / FO = Qg / M = supp

|  |  |  |  |
| --- | --- | --- | --- |
| Base | AG | PmPcP | SD |
| audiology\_pn | 0.109 | 0.134 | 0.177 |
| breast-cancer\_pn | 0.082 | 0.080 | 0.316 |
| bridges\_version2\_pn | 0.149 | 0.142 | 0.243 |
| car\_pn | 0.171 | 0.175 | 0.330 |
| kr-vs-kp\_pn | 0.066 | 0.058 | 0.105 |
| lung-cancer\_pn | 0.117 | 0.118 | 0.147 |
| molecular-biology\_promoters\_pn | 0.119 | 0.118 | 0.114 |
| monks-problems-1\_train\_pn | 0.098 | 0.068 | 0.232 |
| mushroom\_pn | 0.070 | 0.110 | 0.159 |
| nursery\_pn | 0.144 | 0.144 | 0.333 |
| postoperative-patient-data\_pn | 0.116 | 0.107 | 0.366 |
| primary-tumor\_pn | 0.031 | 0.030 | 0.111 |
| shuttle-landing-control\_pn | 0.392 | 0.380 | 0.520 |
| solar-flare\_2\_pn | 0.228 | 0.228 | 0.301 |
| soybean\_pn | 0.031 | 0.034 | 0.048 |
| spect\_test\_pn | 0.308 | 0.290 | 0.291 |
| splice\_pn | 0.038 | 0.038 | 0.038 |
| tic-tac-toe\_pn | 0.035 | 0.035 | 0.269 |
| trains\_pn | 0.265 | 0.263 | 0.400 |
| vote\_pn | 0.321 | 0.319 | 0.458 |

k = 10 / FO = Qg / M = suppN

|  |  |  |  |
| --- | --- | --- | --- |
| Base | AG | PmPcP | SD |
| audiology\_pn | 0.011 | 0.006 | 0.002 |
| breast-cancer\_pn | 0.027 | 0.020 | 0.314 |
| bridges\_version2\_pn | 0.023 | 0.014 | 0.321 |
| car\_pn | 0.078 | 0.083 | 0.316 |
| kr-vs-kp\_pn | 0.012 | 0.009 | 0.000 |
| lung-cancer\_pn | 0.007 | 0.002 | 0.000 |
| molecular-biology\_promoters\_pn | 0.005 | 0.004 | 0.002 |
| monks-problems-1\_train\_pn | 0.064 | 0.014 | 0.355 |
| mushroom\_pn | 0.000 | 0.000 | 0.000 |
| nursery\_pn | 0.333 | 0.333 | 0.900 |
| postoperative-patient-data\_pn | 0.071 | 0.050 | 0.450 |
| primary-tumor\_pn | 0.012 | 0.005 | 0.271 |
| shuttle-landing-control\_pn | 0.527 | 0.508 | 0.767 |
| solar-flare\_2\_pn | 0.475 | 0.475 | 0.825 |
| soybean\_pn | 0.001 | 0.001 | 0.000 |
| spect\_test\_pn | 0.021 | 0.010 | 0.000 |
| splice\_pn | 0.000 | 0.000 | 0.000 |
| tic-tac-toe\_pn | 0.005 | 0.001 | 0.312 |
| trains\_pn | 0.105 | 0.100 | 0.480 |
| vote\_pn | 0.003 | 0.001 | 0.110 |

k = 10 / FO = Qg / M = TP

|  |  |  |  |
| --- | --- | --- | --- |
| Base | AG | PmPcP | SD |
| audiology\_pn | 24.613 | 30.177 | 39.900 |
| breast-cancer\_pn | 23.467 | 22.747 | 90.400 |
| bridges\_version2\_pn | 15.660 | 14.920 | 25.500 |
| car\_pn | 296.333 | 302.833 | 570.600 |
| kr-vs-kp\_pn | 211.160 | 186.043 | 335.300 |
| lung-cancer\_pn | 3.753 | 3.777 | 4.700 |
| molecular-biology\_promoters\_pn | 12.567 | 12.513 | 12.100 |
| monks-problems-1\_train\_pn | 12.190 | 8.437 | 28.800 |
| mushroom\_pn | 569.773 | 891.160 | 1288.000 |
| nursery\_pn | 1872.000 | 1872.000 | 4320.000 |
| postoperative-patient-data\_pn | 10.423 | 9.613 | 32.900 |
| primary-tumor\_pn | 10.563 | 10.190 | 37.700 |
| shuttle-landing-control\_pn | 5.880 | 5.700 | 7.800 |
| solar-flare\_2\_pn | 242.900 | 242.900 | 320.700 |
| soybean\_pn | 21.110 | 22.963 | 32.600 |
| spect\_test\_pn | 57.637 | 54.197 | 54.500 |
| splice\_pn | 120.823 | 120.953 | 121.500 |
| tic-tac-toe\_pn | 33.300 | 33.590 | 257.400 |
| trains\_pn | 2.650 | 2.630 | 4.000 |
| vote\_pn | 139.497 | 138.773 | 199.200 |

k = 10 / FO = Qg / M = FP

|  |  |  |  |
| --- | --- | --- | --- |
| Base | AG | PmPcP | SD |
| audiology\_pn | 1.830 | 0.947 | 0.300 |
| breast-cancer\_pn | 2.303 | 1.707 | 26.700 |
| bridges\_version2\_pn | 1.377 | 0.883 | 19.600 |
| car\_pn | 40.427 | 43.047 | 163.800 |
| kr-vs-kp\_pn | 17.610 | 14.077 | 0.000 |
| lung-cancer\_pn | 0.133 | 0.047 | 0.000 |
| molecular-biology\_promoters\_pn | 0.280 | 0.233 | 0.100 |
| monks-problems-1\_train\_pn | 3.943 | 0.880 | 22.000 |
| mushroom\_pn | 0.000 | 0.000 | 0.000 |
| nursery\_pn | 2880.000 | 2880.000 | 7776.000 |
| postoperative-patient-data\_pn | 1.833 | 1.303 | 11.700 |
| primary-tumor\_pn | 3.173 | 1.313 | 69.000 |
| shuttle-landing-control\_pn | 3.163 | 3.050 | 4.600 |
| solar-flare\_2\_pn | 348.900 | 348.900 | 606.600 |
| soybean\_pn | 0.867 | 0.633 | 0.200 |
| spect\_test\_pn | 0.320 | 0.143 | 0.000 |
| splice\_pn | 0.000 | 0.000 | 0.000 |
| tic-tac-toe\_pn | 1.553 | 0.210 | 103.600 |
| trains\_pn | 0.527 | 0.500 | 2.400 |
| vote\_pn | 0.443 | 0.217 | 18.500 |

k = 20 / FO = Qg / M = WRAcc

|  |  |  |  |
| --- | --- | --- | --- |
| Base | AG | PmPcP | SD |
| audiology\_pn | 0.073 | 0.080 | 0.038 |
| breast-cancer\_pn | 0.022 | 0.020 | 0.015 |
| bridges\_version2\_pn | 0.068 | 0.073 | 0.036 |
| car\_pn | 0.015 | 0.015 | 0.016 |
| kr-vs-kp\_pn | 0.026 | 0.026 | 0.033 |
| lung-cancer\_pn | 0.061 | 0.064 | 0.087 |
| molecular-biology\_promoters\_pn | 0.047 | 0.049 | 0.053 |
| monks-problems-1\_train\_pn | 0.031 | 0.030 | 0.014 |
| mushroom\_pn | 0.024 | 0.034 | 0.072 |
| nursery\_pn | 0.011 | 0.011 | 0.011 |
| postoperative-patient-data\_pn | 0.017 | 0.018 | 0.007 |
| primary-tumor\_pn | 0.023 | 0.022 | 0.020 |
| shuttle-landing-control\_pn | 0.017 | 0.017 | 0.012 |
| solar-flare\_2\_pn | 0.018 | 0.018 | 0.015 |
| soybean\_pn | 0.023 | 0.025 | 0.033 |
| spect\_test\_pn | 0.020 | 0.020 | 0.019 |
| splice\_pn | 0.017 | 0.017 | 0.017 |
| tic-tac-toe\_pn | 0.014 | 0.009 | 0.015 |
| trains\_pn | 0.078 | 0.079 | 0.040 |
| vote\_pn | 0.126 | 0.125 | 0.095 |

k = 20 / FO = Qg / M = Qg

|  |  |  |  |
| --- | --- | --- | --- |
| Base | AG | PmPcP | SD |
| audiology\_pn | 8.414 | 10.461 | 0.539 |
| breast-cancer\_pn | 7.309 | 8.582 | 3.356 |
| bridges\_version2\_pn | 5.649 | 6.732 | 1.155 |
| car\_pn | 64.110 | 64.472 | 60.102 |
| kr-vs-kp\_pn | 39.584 | 38.968 | 30.687 |
| lung-cancer\_pn | 2.764 | 3.029 | 4.700 |
| molecular-biology\_promoters\_pn | 8.760 | 9.173 | 10.250 |
| monks-problems-1\_train\_pn | 2.471 | 3.828 | 1.199 |
| mushroom\_pn | 402.968 | 562.517 | 1207.800 |
| nursery\_pn | 216.475 | 216.475 | 216.475 |
| postoperative-patient-data\_pn | 3.619 | 3.942 | 2.552 |
| primary-tumor\_pn | 2.545 | 4.364 | 0.543 |
| shuttle-landing-control\_pn | 1.187 | 1.169 | 1.479 |
| solar-flare\_2\_pn | 23.631 | 23.631 | 17.016 |
| soybean\_pn | 9.710 | 12.724 | 23.200 |
| spect\_test\_pn | 38.156 | 39.952 | 26.963 |
| splice\_pn | 112.380 | 113.082 | 113.800 |
| tic-tac-toe\_pn | 11.901 | 18.068 | 2.303 |
| trains\_pn | 1.499 | 1.516 | 1.192 |
| vote\_pn | 77.147 | 95.251 | 9.504 |

k = 20 / FO = Qg / M = Time

|  |  |  |  |
| --- | --- | --- | --- |
| Base | AG | PmPcP | SD |
| audiology\_pn | 0.012 | 0.022 | 0.028 |
| breast-cancer\_pn | 0.002 | 0.003 | 0.012 |
| bridges\_version2\_pn | 0.005 | 0.010 | 0.020 |
| car\_pn | 0.003 | 0.005 | 0.033 |
| kr-vs-kp\_pn | 0.028 | 0.048 | 0.185 |
| lung-cancer\_pn | 0.003 | 0.005 | 0.036 |
| molecular-biology\_promoters\_pn | 0.007 | 0.015 | 0.079 |
| monks-problems-1\_train\_pn | 0.001 | 0.001 | 0.002 |
| mushroom\_pn | 0.115 | 0.291 | 1.672 |
| nursery\_pn | 0.020 | 0.030 | 0.222 |
| postoperative-patient-data\_pn | 0.000 | 0.001 | 0.003 |
| primary-tumor\_pn | 0.002 | 0.006 | 0.011 |
| shuttle-landing-control\_pn | 0.000 | 0.000 | 0.001 |
| solar-flare\_2\_pn | 0.003 | 0.004 | 0.031 |
| soybean\_pn | 0.014 | 0.028 | 0.217 |
| spect\_test\_pn | 0.001 | 0.002 | 0.010 |
| splice\_pn | 2.357 | 4.171 | 20.345 |
| tic-tac-toe\_pn | 0.006 | 0.011 | 0.023 |
| trains\_pn | 0.000 | 0.000 | 0.001 |
| vote\_pn | 0.003 | 0.006 | 0.014 |

k = 20 / FO = Qg / M = size

|  |  |  |  |
| --- | --- | --- | --- |
| Base | AG | PmPcP | SD |
| audiology\_pn | 3.592 | 4.105 | 1.000 |
| breast-cancer\_pn | 1.913 | 2.077 | 0.650 |
| bridges\_version2\_pn | 2.212 | 2.472 | 0.600 |
| car\_pn | 1.290 | 1.270 | 0.400 |
| kr-vs-kp\_pn | 2.475 | 2.582 | 1.000 |
| lung-cancer\_pn | 2.392 | 2.538 | 2.850 |
| molecular-biology\_promoters\_pn | 1.800 | 1.800 | 1.850 |
| monks-problems-1\_train\_pn | 1.770 | 2.377 | 0.450 |
| mushroom\_pn | 1.352 | 1.605 | 2.000 |
| nursery\_pn | 1.000 | 1.000 | 0.050 |
| postoperative-patient-data\_pn | 1.760 | 1.938 | 0.450 |
| primary-tumor\_pn | 2.267 | 3.157 | 0.800 |
| shuttle-landing-control\_pn | 1.125 | 1.097 | 0.200 |
| solar-flare\_2\_pn | 1.000 | 1.000 | 0.100 |
| soybean\_pn | 3.293 | 3.542 | 3.550 |
| spect\_test\_pn | 1.597 | 1.678 | 1.000 |
| splice\_pn | 2.000 | 2.000 | 2.000 |
| tic-tac-toe\_pn | 3.027 | 3.433 | 0.900 |
| trains\_pn | 1.055 | 1.093 | 0.500 |
| vote\_pn | 2.333 | 2.538 | 0.800 |

k = 20 / FO = Qg / M = Testes

|  |  |  |  |
| --- | --- | --- | --- |
| Base | AG | PmPcP | SD |
| audiology\_pn | 2535.867 | 4589.200 | 6240.000 |
| breast-cancer\_pn | 336.200 | 628.667 | 1720.000 |
| bridges\_version2\_pn | 2387.500 | 5029.667 | 7720.000 |
| car\_pn | 110.600 | 179.200 | 920.000 |
| kr-vs-kp\_pn | 554.800 | 880.867 | 3000.000 |
| lung-cancer\_pn | 1774.100 | 3359.800 | 37760.000 |
| molecular-biology\_promoters\_pn | 3417.933 | 6858.133 | 40160.000 |
| monks-problems-1\_train\_pn | 165.667 | 375.467 | 760.000 |
| mushroom\_pn | 928.000 | 2289.067 | 14000.000 |
| nursery\_pn | 108.000 | 162.000 | 1160.000 |
| postoperative-patient-data\_pn | 199.333 | 381.800 | 1000.000 |
| primary-tumor\_pn | 429.200 | 947.200 | 1560.000 |
| shuttle-landing-control\_pn | 104.667 | 137.067 | 720.000 |
| solar-flare\_2\_pn | 168.000 | 252.000 | 1760.000 |
| soybean\_pn | 1260.600 | 2422.200 | 19880.000 |
| spect\_test\_pn | 341.733 | 642.400 | 1840.000 |
| splice\_pn | 49318.500 | 87780.000 | 415880.000 |
| tic-tac-toe\_pn | 322.200 | 658.800 | 1160.000 |
| trains\_pn | 418.367 | 682.733 | 3160.000 |
| vote\_pn | 310.400 | 599.467 | 1360.000 |

k = 20 / FO = Qg / M = suppP

|  |  |  |  |
| --- | --- | --- | --- |
| Base | AG | PmPcP | SD |
| audiology\_pn | 0.404 | 0.441 | 0.768 |
| breast-cancer\_pn | 0.203 | 0.163 | 0.620 |
| bridges\_version2\_pn | 0.315 | 0.330 | 0.780 |
| car\_pn | 0.242 | 0.246 | 0.736 |
| kr-vs-kp\_pn | 0.135 | 0.135 | 0.501 |
| lung-cancer\_pn | 0.271 | 0.281 | 0.362 |
| molecular-biology\_promoters\_pn | 0.192 | 0.199 | 0.212 |
| monks-problems-1\_train\_pn | 0.239 | 0.167 | 0.732 |
| mushroom\_pn | 0.097 | 0.134 | 0.287 |
| nursery\_pn | 0.350 | 0.350 | 1.000 |
| postoperative-patient-data\_pn | 0.260 | 0.212 | 0.757 |
| primary-tumor\_pn | 0.147 | 0.127 | 0.647 |
| shuttle-landing-control\_pn | 0.462 | 0.442 | 0.933 |
| solar-flare\_2\_pn | 0.595 | 0.595 | 0.984 |
| soybean\_pn | 0.199 | 0.217 | 0.283 |
| spect\_test\_pn | 0.296 | 0.297 | 0.371 |
| splice\_pn | 0.068 | 0.068 | 0.069 |
| tic-tac-toe\_pn | 0.086 | 0.045 | 0.406 |
| trains\_pn | 0.486 | 0.485 | 0.900 |
| vote\_pn | 0.540 | 0.532 | 0.761 |

k = 20 / FO = Qg / M = conf

|  |  |  |  |
| --- | --- | --- | --- |
| Base | AG | PmPcP | SD |
| audiology\_pn | 0.923 | 0.935 | 0.337 |
| breast-cancer\_pn | 0.892 | 0.916 | 0.753 |
| bridges\_version2\_pn | 0.905 | 0.918 | 0.513 |
| car\_pn | 0.781 | 0.778 | 0.754 |
| kr-vs-kp\_pn | 0.870 | 0.872 | 0.620 |
| lung-cancer\_pn | 0.947 | 0.958 | 1.000 |
| molecular-biology\_promoters\_pn | 0.992 | 0.992 | 0.995 |
| monks-problems-1\_train\_pn | 0.727 | 0.858 | 0.545 |
| mushroom\_pn | 1.000 | 1.000 | 1.000 |
| nursery\_pn | 0.367 | 0.367 | 0.367 |
| postoperative-patient-data\_pn | 0.850 | 0.878 | 0.733 |
| primary-tumor\_pn | 0.775 | 0.881 | 0.336 |
| shuttle-landing-control\_pn | 0.563 | 0.551 | 0.644 |
| solar-flare\_2\_pn | 0.381 | 0.381 | 0.357 |
| soybean\_pn | 0.919 | 0.951 | 0.996 |
| spect\_test\_pn | 0.995 | 0.996 | 0.977 |
| splice\_pn | 1.000 | 1.000 | 1.000 |
| tic-tac-toe\_pn | 0.918 | 0.976 | 0.696 |
| trains\_pn | 0.868 | 0.869 | 0.587 |
| vote\_pn | 0.991 | 0.995 | 0.805 |

k = 20 / FO = Qg / M = overoll suppP

|  |  |  |  |
| --- | --- | --- | --- |
| Base | AG | PmPcP | SD |
| audiology\_pn | 0.980 | 0.971 | 1.000 |
| breast-cancer\_pn | 0.911 | 0.810 | 1.000 |
| bridges\_version2\_pn | 0.939 | 0.892 | 1.000 |
| car\_pn | 1.000 | 1.000 | 1.000 |
| kr-vs-kp\_pn | 0.783 | 0.827 | 1.000 |
| lung-cancer\_pn | 0.982 | 0.987 | 1.000 |
| molecular-biology\_promoters\_pn | 0.922 | 0.919 | 0.868 |
| monks-problems-1\_train\_pn | 0.995 | 0.872 | 1.000 |
| mushroom\_pn | 0.847 | 0.903 | 0.959 |
| nursery\_pn | 1.000 | 1.000 | 1.000 |
| postoperative-patient-data\_pn | 0.943 | 0.883 | 1.000 |
| primary-tumor\_pn | 0.728 | 0.565 | 1.000 |
| shuttle-landing-control\_pn | 1.000 | 1.000 | 1.000 |
| solar-flare\_2\_pn | 1.000 | 1.000 | 1.000 |
| soybean\_pn | 0.776 | 0.767 | 0.826 |
| spect\_test\_pn | 0.926 | 0.916 | 0.977 |
| splice\_pn | 0.686 | 0.685 | 0.687 |
| tic-tac-toe\_pn | 0.592 | 0.446 | 1.000 |
| trains\_pn | 1.000 | 1.000 | 1.000 |
| vote\_pn | 0.951 | 0.922 | 1.000 |

k = 20 / FO = Qg / M = GrowthRate

|  |  |  |  |
| --- | --- | --- | --- |
| Base | AG | PmPcP | SD |
| audiology\_pn | Infinity | Infinity | 1.630 |
| breast-cancer\_pn | Infinity | Infinity | 1.767 |
| bridges\_version2\_pn | Infinity | Infinity | 1.763 |
| car\_pn | Infinity | Infinity | Infinity |
| kr-vs-kp\_pn | Infinity | Infinity | Infinity |
| lung-cancer\_pn | Infinity | Infinity | Infinity |
| molecular-biology\_promoters\_pn | Infinity | Infinity | Infinity |
| monks-problems-1\_train\_pn | Infinity | Infinity | 1.254 |
| mushroom\_pn | Infinity | Infinity | Infinity |
| nursery\_pn | Infinity | Infinity | Infinity |
| postoperative-patient-data\_pn | Infinity | Infinity | 1.145 |
| primary-tumor\_pn | Infinity | Infinity | 1.710 |
| shuttle-landing-control\_pn | Infinity | Infinity | Infinity |
| solar-flare\_2\_pn | Infinity | Infinity | Infinity |
| soybean\_pn | Infinity | Infinity | Infinity |
| spect\_test\_pn | Infinity | Infinity | Infinity |
| splice\_pn | Infinity | Infinity | Infinity |
| tic-tac-toe\_pn | Infinity | Infinity | 1.235 |
| trains\_pn | Infinity | Infinity | Infinity |
| vote\_pn | Infinity | Infinity | 6.875 |

k = 20 / FO = Qg / M = OddsRatio

|  |  |  |  |
| --- | --- | --- | --- |
| Base | AG | PmPcP | SD |
| audiology\_pn | Infinity | Infinity | Infinity |
| breast-cancer\_pn | Infinity | Infinity | NaN |
| bridges\_version2\_pn | Infinity | Infinity | NaN |
| car\_pn | Infinity | Infinity | NaN |
| kr-vs-kp\_pn | Infinity | Infinity | Infinity |
| lung-cancer\_pn | Infinity | Infinity | Infinity |
| molecular-biology\_promoters\_pn | Infinity | Infinity | Infinity |
| monks-problems-1\_train\_pn | Infinity | Infinity | NaN |
| mushroom\_pn | Infinity | Infinity | Infinity |
| nursery\_pn | Infinity | Infinity | NaN |
| postoperative-patient-data\_pn | Infinity | Infinity | NaN |
| primary-tumor\_pn | Infinity | Infinity | NaN |
| shuttle-landing-control\_pn | Infinity | Infinity | NaN |
| solar-flare\_2\_pn | NaN | NaN | NaN |
| soybean\_pn | Infinity | Infinity | Infinity |
| spect\_test\_pn | Infinity | Infinity | Infinity |
| splice\_pn | Infinity | Infinity | Infinity |
| tic-tac-toe\_pn | Infinity | Infinity | NaN |
| trains\_pn | Infinity | Infinity | NaN |
| vote\_pn | Infinity | Infinity | NaN |

k = 20 / FO = Qg / M = DiffSup

|  |  |  |  |
| --- | --- | --- | --- |
| Base | AG | PmPcP | SD |
| audiology\_pn | 0.387 | 0.425 | 0.201 |
| breast-cancer\_pn | 0.105 | 0.098 | 0.074 |
| bridges\_version2\_pn | 0.279 | 0.300 | 0.146 |
| car\_pn | 0.107 | 0.109 | 0.078 |
| kr-vs-kp\_pn | 0.106 | 0.105 | 0.131 |
| lung-cancer\_pn | 0.252 | 0.267 | 0.362 |
| molecular-biology\_promoters\_pn | 0.189 | 0.197 | 0.210 |
| monks-problems-1\_train\_pn | 0.124 | 0.121 | 0.055 |
| mushroom\_pn | 0.097 | 0.134 | 0.287 |
| nursery\_pn | 0.050 | 0.050 | 0.050 |
| postoperative-patient-data\_pn | 0.082 | 0.087 | 0.032 |
| primary-tumor\_pn | 0.123 | 0.118 | 0.109 |
| shuttle-landing-control\_pn | 0.155 | 0.155 | 0.050 |
| solar-flare\_2\_pn | 0.178 | 0.178 | 0.072 |
| soybean\_pn | 0.195 | 0.214 | 0.282 |
| spect\_test\_pn | 0.271 | 0.275 | 0.261 |
| splice\_pn | 0.068 | 0.068 | 0.069 |
| tic-tac-toe\_pn | 0.061 | 0.042 | 0.065 |
| trains\_pn | 0.311 | 0.316 | 0.160 |
| vote\_pn | 0.531 | 0.527 | 0.399 |

k = 20 / FO = Qg / M = cov

|  |  |  |  |
| --- | --- | --- | --- |
| Base | AG | PmPcP | SD |
| audiology\_pn | 0.115 | 0.123 | 0.618 |
| breast-cancer\_pn | 0.171 | 0.134 | 0.598 |
| bridges\_version2\_pn | 0.153 | 0.156 | 0.695 |
| car\_pn | 0.220 | 0.225 | 0.712 |
| kr-vs-kp\_pn | 0.084 | 0.085 | 0.438 |
| lung-cancer\_pn | 0.121 | 0.123 | 0.147 |
| molecular-biology\_promoters\_pn | 0.097 | 0.101 | 0.107 |
| monks-problems-1\_train\_pn | 0.177 | 0.107 | 0.705 |
| mushroom\_pn | 0.050 | 0.070 | 0.149 |
| nursery\_pn | 0.317 | 0.317 | 0.967 |
| postoperative-patient-data\_pn | 0.236 | 0.186 | 0.748 |
| primary-tumor\_pn | 0.054 | 0.038 | 0.565 |
| shuttle-landing-control\_pn | 0.446 | 0.428 | 0.913 |
| solar-flare\_2\_pn | 0.536 | 0.536 | 0.935 |
| soybean\_pn | 0.030 | 0.031 | 0.038 |
| spect\_test\_pn | 0.274 | 0.274 | 0.350 |
| splice\_pn | 0.035 | 0.035 | 0.036 |
| tic-tac-toe\_pn | 0.065 | 0.030 | 0.383 |
| trains\_pn | 0.330 | 0.327 | 0.820 |
| vote\_pn | 0.335 | 0.329 | 0.607 |

k = 20 / FO = Qg / M = supp

|  |  |  |  |
| --- | --- | --- | --- |
| Base | AG | PmPcP | SD |
| audiology\_pn | 0.102 | 0.111 | 0.194 |
| breast-cancer\_pn | 0.142 | 0.115 | 0.436 |
| bridges\_version2\_pn | 0.132 | 0.138 | 0.327 |
| car\_pn | 0.170 | 0.172 | 0.515 |
| kr-vs-kp\_pn | 0.070 | 0.070 | 0.261 |
| lung-cancer\_pn | 0.110 | 0.114 | 0.147 |
| molecular-biology\_promoters\_pn | 0.096 | 0.100 | 0.106 |
| monks-problems-1\_train\_pn | 0.119 | 0.083 | 0.366 |
| mushroom\_pn | 0.050 | 0.070 | 0.149 |
| nursery\_pn | 0.117 | 0.117 | 0.333 |
| postoperative-patient-data\_pn | 0.185 | 0.151 | 0.538 |
| primary-tumor\_pn | 0.036 | 0.031 | 0.160 |
| shuttle-landing-control\_pn | 0.277 | 0.265 | 0.560 |
| solar-flare\_2\_pn | 0.185 | 0.185 | 0.306 |
| soybean\_pn | 0.027 | 0.029 | 0.038 |
| spect\_test\_pn | 0.272 | 0.273 | 0.341 |
| splice\_pn | 0.035 | 0.035 | 0.036 |
| tic-tac-toe\_pn | 0.056 | 0.029 | 0.265 |
| trains\_pn | 0.243 | 0.243 | 0.450 |
| vote\_pn | 0.331 | 0.327 | 0.467 |

k = 20 / FO = Qg / M = suppN

|  |  |  |  |
| --- | --- | --- | --- |
| Base | AG | PmPcP | SD |
| audiology\_pn | 0.017 | 0.016 | 0.568 |
| breast-cancer\_pn | 0.098 | 0.065 | 0.546 |
| bridges\_version2\_pn | 0.037 | 0.030 | 0.634 |
| car\_pn | 0.169 | 0.174 | 0.658 |
| kr-vs-kp\_pn | 0.029 | 0.030 | 0.370 |
| lung-cancer\_pn | 0.019 | 0.014 | 0.000 |
| molecular-biology\_promoters\_pn | 0.003 | 0.003 | 0.002 |
| monks-problems-1\_train\_pn | 0.115 | 0.046 | 0.677 |
| mushroom\_pn | 0.000 | 0.000 | 0.000 |
| nursery\_pn | 0.300 | 0.300 | 0.950 |
| postoperative-patient-data\_pn | 0.178 | 0.124 | 0.725 |
| primary-tumor\_pn | 0.024 | 0.009 | 0.538 |
| shuttle-landing-control\_pn | 0.423 | 0.408 | 0.883 |
| solar-flare\_2\_pn | 0.509 | 0.509 | 0.913 |
| soybean\_pn | 0.004 | 0.002 | 0.000 |
| spect\_test\_pn | 0.025 | 0.021 | 0.110 |
| splice\_pn | 0.000 | 0.000 | 0.000 |
| tic-tac-toe\_pn | 0.025 | 0.003 | 0.341 |
| trains\_pn | 0.175 | 0.169 | 0.740 |
| vote\_pn | 0.009 | 0.005 | 0.363 |

k = 20 / FO = Qg / M = TP

|  |  |  |  |
| --- | --- | --- | --- |
| Base | AG | PmPcP | SD |
| audiology\_pn | 23.017 | 25.145 | 43.800 |
| breast-cancer\_pn | 40.708 | 32.782 | 124.700 |
| bridges\_version2\_pn | 13.875 | 14.538 | 34.300 |
| car\_pn | 293.072 | 297.845 | 890.300 |
| kr-vs-kp\_pn | 225.305 | 224.487 | 835.450 |
| lung-cancer\_pn | 3.523 | 3.653 | 4.700 |
| molecular-biology\_promoters\_pn | 10.160 | 10.573 | 11.250 |
| monks-problems-1\_train\_pn | 14.810 | 10.353 | 45.400 |
| mushroom\_pn | 409.287 | 564.810 | 1207.800 |
| nursery\_pn | 1512.000 | 1512.000 | 4320.000 |
| postoperative-patient-data\_pn | 16.623 | 13.545 | 48.450 |
| primary-tumor\_pn | 12.370 | 10.658 | 54.350 |
| shuttle-landing-control\_pn | 4.157 | 3.975 | 8.400 |
| solar-flare\_2\_pn | 196.900 | 196.900 | 325.850 |
| soybean\_pn | 18.337 | 19.930 | 26.000 |
| spect\_test\_pn | 50.942 | 51.005 | 63.850 |
| splice\_pn | 112.380 | 113.082 | 113.800 |
| tic-tac-toe\_pn | 53.847 | 28.040 | 254.100 |
| trains\_pn | 2.428 | 2.425 | 4.500 |
| vote\_pn | 144.122 | 142.065 | 203.300 |

k = 20 / FO = Qg / M = FP

|  |  |  |  |
| --- | --- | --- | --- |
| Base | AG | PmPcP | SD |
| audiology\_pn | 2.908 | 2.663 | 95.950 |
| breast-cancer\_pn | 8.315 | 5.533 | 46.450 |
| bridges\_version2\_pn | 2.233 | 1.843 | 38.650 |
| car\_pn | 87.398 | 90.335 | 340.900 |
| kr-vs-kp\_pn | 44.518 | 45.578 | 564.400 |
| lung-cancer\_pn | 0.362 | 0.270 | 0.000 |
| molecular-biology\_promoters\_pn | 0.150 | 0.150 | 0.100 |
| monks-problems-1\_train\_pn | 7.143 | 2.853 | 42.000 |
| mushroom\_pn | 0.053 | 0.013 | 0.000 |
| nursery\_pn | 2592.000 | 2592.000 | 8208.000 |
| postoperative-patient-data\_pn | 4.625 | 3.237 | 18.850 |
| primary-tumor\_pn | 6.090 | 2.175 | 137.150 |
| shuttle-landing-control\_pn | 2.538 | 2.448 | 5.300 |
| solar-flare\_2\_pn | 374.450 | 374.450 | 670.800 |
| soybean\_pn | 2.432 | 1.262 | 0.150 |
| spect\_test\_pn | 0.378 | 0.320 | 1.650 |
| splice\_pn | 0.000 | 0.000 | 0.000 |
| tic-tac-toe\_pn | 8.152 | 1.073 | 113.200 |
| trains\_pn | 0.873 | 0.845 | 3.700 |
| vote\_pn | 1.527 | 0.860 | 60.900 |

k = 50 / FO = Qg / M = WRAcc

|  |  |  |  |
| --- | --- | --- | --- |
| Base | AG | PmPcP | SD |
| audiology\_pn | 0.069 | 0.080 | 0.016 |
| breast-cancer\_pn | 0.016 | 0.017 | 0.006 |
| bridges\_version2\_pn | 0.047 | 0.055 | 0.014 |
| car\_pn | 0.013 | 0.012 | 0.007 |
| kr-vs-kp\_pn | 0.031 | 0.029 | 0.015 |
| lung-cancer\_pn | 0.056 | 0.059 | 0.030 |
| molecular-biology\_promoters\_pn | 0.037 | 0.039 | 0.046 |
| monks-problems-1\_train\_pn | 0.029 | 0.029 | 0.005 |
| mushroom\_pn | 0.029 | 0.029 | 0.038 |
| nursery\_pn | 0.008 | 0.009 | 0.004 |
| postoperative-patient-data\_pn | 0.010 | 0.011 | 0.003 |
| primary-tumor\_pn | 0.023 | 0.024 | 0.008 |
| shuttle-landing-control\_pn | 0.015 | 0.015 | 0.005 |
| solar-flare\_2\_pn | 0.007 | 0.007 | 0.006 |
| soybean\_pn | 0.024 | 0.024 | 0.016 |
| spect\_test\_pn | 0.014 | 0.016 | 0.008 |
| splice\_pn | 0.016 | 0.016 | 0.016 |
| tic-tac-toe\_pn | 0.016 | 0.015 | 0.006 |
| trains\_pn | 0.039 | 0.040 | 0.016 |
| vote\_pn | 0.118 | 0.121 | 0.038 |

k = 50 / FO = Qg / M = Qg

|  |  |  |  |
| --- | --- | --- | --- |
| Base | AG | PmPcP | SD |
| audiology\_pn | 4.817 | 8.023 | 0.418 |
| breast-cancer\_pn | 4.913 | 5.169 | 2.745 |
| bridges\_version2\_pn | 2.936 | 3.740 | 0.888 |
| car\_pn | 63.113 | 57.552 | 25.440 |
| kr-vs-kp\_pn | 16.676 | 17.828 | 12.940 |
| lung-cancer\_pn | 1.878 | 2.170 | 0.823 |
| molecular-biology\_promoters\_pn | 7.369 | 7.720 | 9.160 |
| monks-problems-1\_train\_pn | 2.318 | 2.387 | 1.070 |
| mushroom\_pn | 167.971 | 240.264 | 75.604 |
| nursery\_pn | 147.332 | 167.492 | 86.890 |
| postoperative-patient-data\_pn | 2.985 | 3.055 | 2.443 |
| primary-tumor\_pn | 1.564 | 2.350 | 0.414 |
| shuttle-landing-control\_pn | 1.151 | 1.165 | 1.363 |
| solar-flare\_2\_pn | 12.322 | 11.439 | 7.076 |
| soybean\_pn | 4.648 | 5.818 | 0.241 |
| spect\_test\_pn | 26.710 | 29.704 | 17.264 |
| splice\_pn | 86.456 | 87.452 | 88.880 |
| tic-tac-toe\_pn | 9.869 | 10.283 | 2.049 |
| trains\_pn | 1.117 | 1.115 | 0.977 |
| vote\_pn | 46.826 | 50.487 | 4.749 |

k = 50 / FO = Qg / M = Time

|  |  |  |  |
| --- | --- | --- | --- |
| Base | AG | PmPcP | SD |
| audiology\_pn | 0.014 | 0.028 | 0.083 |
| breast-cancer\_pn | 0.002 | 0.003 | 0.043 |
| bridges\_version2\_pn | 0.005 | 0.010 | 0.071 |
| car\_pn | 0.006 | 0.006 | 0.130 |
| kr-vs-kp\_pn | 0.029 | 0.050 | 0.688 |
| lung-cancer\_pn | 0.002 | 0.004 | 0.031 |
| molecular-biology\_promoters\_pn | 0.008 | 0.015 | 0.226 |
| monks-problems-1\_train\_pn | 0.001 | 0.001 | 0.007 |
| mushroom\_pn | 0.117 | 0.267 | 2.031 |
| nursery\_pn | 0.031 | 0.038 | 0.553 |
| postoperative-patient-data\_pn | 0.001 | 0.001 | 0.009 |
| primary-tumor\_pn | 0.004 | 0.006 | 0.035 |
| shuttle-landing-control\_pn | 0.000 | 0.000 | 0.001 |
| solar-flare\_2\_pn | 0.003 | 0.005 | 0.080 |
| soybean\_pn | 0.014 | 0.026 | 0.147 |
| spect\_test\_pn | 0.002 | 0.003 | 0.040 |
| splice\_pn | 2.612 | 4.686 | 72.858 |
| tic-tac-toe\_pn | 0.011 | 0.011 | 0.076 |
| trains\_pn | 0.000 | 0.001 | 0.003 |
| vote\_pn | 0.005 | 0.006 | 0.049 |

k = 50 / FO = Qg / M = size

|  |  |  |  |
| --- | --- | --- | --- |
| Base | AG | PmPcP | SD |
| audiology\_pn | 2.806 | 3.727 | 0.640 |
| breast-cancer\_pn | 1.616 | 1.635 | 0.260 |
| bridges\_version2\_pn | 1.598 | 1.943 | 0.240 |
| car\_pn | 1.207 | 1.212 | 0.160 |
| kr-vs-kp\_pn | 2.179 | 2.393 | 0.680 |
| lung-cancer\_pn | 2.006 | 2.355 | 0.980 |
| molecular-biology\_promoters\_pn | 1.923 | 1.920 | 1.920 |
| monks-problems-1\_train\_pn | 1.739 | 1.706 | 0.180 |
| mushroom\_pn | 1.281 | 1.384 | 0.960 |
| nursery\_pn | 1.000 | 1.000 | 0.020 |
| postoperative-patient-data\_pn | 1.453 | 1.491 | 0.180 |
| primary-tumor\_pn | 1.948 | 2.290 | 0.320 |
| shuttle-landing-control\_pn | 1.090 | 1.073 | 0.080 |
| solar-flare\_2\_pn | 1.000 | 1.000 | 0.040 |
| soybean\_pn | 2.869 | 3.077 | 0.800 |
| spect\_test\_pn | 1.402 | 1.499 | 0.420 |
| splice\_pn | 2.000 | 2.000 | 2.000 |
| tic-tac-toe\_pn | 2.797 | 2.775 | 0.360 |
| trains\_pn | 1.035 | 1.045 | 0.200 |
| vote\_pn | 2.013 | 2.013 | 0.320 |

k = 50 / FO = Qg / M = Testes

|  |  |  |  |
| --- | --- | --- | --- |
| Base | AG | PmPcP | SD |
| audiology\_pn | 2582.067 | 5646.667 | 15600.000 |
| breast-cancer\_pn | 411.000 | 635.733 | 4300.000 |
| bridges\_version2\_pn | 2387.500 | 4762.267 | 19300.000 |
| car\_pn | 232.667 | 226.000 | 2300.000 |
| kr-vs-kp\_pn | 549.933 | 924.667 | 7500.000 |
| lung-cancer\_pn | 1622.333 | 3328.400 | 15900.000 |
| molecular-biology\_promoters\_pn | 3429.067 | 6813.600 | 100400.000 |
| monks-problems-1\_train\_pn | 455.333 | 375.400 | 1900.000 |
| mushroom\_pn | 931.867 | 2064.800 | 11800.000 |
| nursery\_pn | 177.000 | 208.000 | 2900.000 |
| postoperative-patient-data\_pn | 371.333 | 414.333 | 2500.000 |
| primary-tumor\_pn | 500.333 | 869.600 | 3900.000 |
| shuttle-landing-control\_pn | 234.333 | 194.933 | 1800.000 |
| solar-flare\_2\_pn | 192.000 | 268.000 | 4400.000 |
| soybean\_pn | 1158.300 | 2263.800 | 10100.000 |
| spect\_test\_pn | 399.000 | 666.133 | 4600.000 |
| splice\_pn | 53707.500 | 98175.000 | 1386200.000 |
| tic-tac-toe\_pn | 622.000 | 692.200 | 2900.000 |
| trains\_pn | 413.233 | 723.800 | 7900.000 |
| vote\_pn | 462.000 | 594.933 | 3400.000 |

k = 50 / FO = Qg / M = suppP

|  |  |  |  |
| --- | --- | --- | --- |
| Base | AG | PmPcP | SD |
| audiology\_pn | 0.423 | 0.457 | 0.907 |
| breast-cancer\_pn | 0.246 | 0.242 | 0.848 |
| bridges\_version2\_pn | 0.296 | 0.315 | 0.912 |
| car\_pn | 0.253 | 0.252 | 0.894 |
| kr-vs-kp\_pn | 0.241 | 0.204 | 0.719 |
| lung-cancer\_pn | 0.326 | 0.310 | 0.638 |
| molecular-biology\_promoters\_pn | 0.150 | 0.156 | 0.183 |
| monks-problems-1\_train\_pn | 0.251 | 0.256 | 0.893 |
| mushroom\_pn | 0.125 | 0.122 | 0.306 |
| nursery\_pn | 0.297 | 0.303 | 1.000 |
| postoperative-patient-data\_pn | 0.328 | 0.325 | 0.903 |
| primary-tumor\_pn | 0.213 | 0.183 | 0.859 |
| shuttle-landing-control\_pn | 0.439 | 0.433 | 0.973 |
| solar-flare\_2\_pn | 0.288 | 0.287 | 0.994 |
| soybean\_pn | 0.225 | 0.221 | 0.778 |
| spect\_test\_pn | 0.348 | 0.312 | 0.736 |
| splice\_pn | 0.063 | 0.064 | 0.064 |
| tic-tac-toe\_pn | 0.111 | 0.107 | 0.762 |
| trains\_pn | 0.571 | 0.572 | 0.960 |
| vote\_pn | 0.537 | 0.550 | 0.905 |

k = 50 / FO = Qg / M = conf

|  |  |  |  |
| --- | --- | --- | --- |
| Base | AG | PmPcP | SD |
| audiology\_pn | 0.793 | 0.868 | 0.287 |
| breast-cancer\_pn | 0.829 | 0.833 | 0.723 |
| bridges\_version2\_pn | 0.843 | 0.842 | 0.457 |
| car\_pn | 0.764 | 0.760 | 0.722 |
| kr-vs-kp\_pn | 0.759 | 0.787 | 0.564 |
| lung-cancer\_pn | 0.793 | 0.843 | 0.474 |
| molecular-biology\_promoters\_pn | 0.997 | 0.997 | 0.997 |
| monks-problems-1\_train\_pn | 0.713 | 0.712 | 0.518 |
| mushroom\_pn | 0.962 | 0.975 | 0.802 |
| nursery\_pn | 0.336 | 0.340 | 0.347 |
| postoperative-patient-data\_pn | 0.795 | 0.801 | 0.720 |
| primary-tumor\_pn | 0.615 | 0.704 | 0.283 |
| shuttle-landing-control\_pn | 0.528 | 0.529 | 0.618 |
| solar-flare\_2\_pn | 0.194 | 0.191 | 0.329 |
| soybean\_pn | 0.738 | 0.779 | 0.186 |
| spect\_test\_pn | 0.975 | 0.983 | 0.943 |
| splice\_pn | 0.997 | 0.997 | 0.997 |
| tic-tac-toe\_pn | 0.887 | 0.886 | 0.671 |
| trains\_pn | 0.724 | 0.724 | 0.535 |
| vote\_pn | 0.964 | 0.963 | 0.690 |

k = 50 / FO = Qg / M = overoll suppP

|  |  |  |  |
| --- | --- | --- | --- |
| Base | AG | PmPcP | SD |
| audiology\_pn | 1.000 | 0.998 | 1.000 |
| breast-cancer\_pn | 1.000 | 1.000 | 1.000 |
| bridges\_version2\_pn | 1.000 | 0.996 | 1.000 |
| car\_pn | 1.000 | 1.000 | 1.000 |
| kr-vs-kp\_pn | 1.000 | 0.975 | 1.000 |
| lung-cancer\_pn | 1.000 | 1.000 | 1.000 |
| molecular-biology\_promoters\_pn | 0.965 | 0.972 | 0.962 |
| monks-problems-1\_train\_pn | 1.000 | 1.000 | 1.000 |
| mushroom\_pn | 1.000 | 1.000 | 1.000 |
| nursery\_pn | 1.000 | 1.000 | 1.000 |
| postoperative-patient-data\_pn | 1.000 | 1.000 | 1.000 |
| primary-tumor\_pn | 0.967 | 0.921 | 1.000 |
| shuttle-landing-control\_pn | 1.000 | 1.000 | 1.000 |
| solar-flare\_2\_pn | 1.000 | 1.000 | 1.000 |
| soybean\_pn | 0.961 | 0.959 | 1.000 |
| spect\_test\_pn | 0.998 | 0.988 | 1.000 |
| splice\_pn | 0.883 | 0.882 | 0.873 |
| tic-tac-toe\_pn | 0.898 | 0.914 | 1.000 |
| trains\_pn | 1.000 | 1.000 | 1.000 |
| vote\_pn | 0.992 | 0.993 | 1.000 |

k = 50 / FO = Qg / M = GrowthRate

|  |  |  |  |
| --- | --- | --- | --- |
| Base | AG | PmPcP | SD |
| audiology\_pn | Infinity | Infinity | 1.257 |
| breast-cancer\_pn | Infinity | Infinity | 1.307 |
| bridges\_version2\_pn | Infinity | Infinity | 1.305 |
| car\_pn | Infinity | Infinity | Infinity |
| kr-vs-kp\_pn | Infinity | Infinity | Infinity |
| lung-cancer\_pn | Infinity | Infinity | 1.438 |
| molecular-biology\_promoters\_pn | Infinity | Infinity | Infinity |
| monks-problems-1\_train\_pn | Infinity | Infinity | 1.102 |
| mushroom\_pn | Infinity | Infinity | Infinity |
| nursery\_pn | Infinity | Infinity | Infinity |
| postoperative-patient-data\_pn | Infinity | Infinity | 1.058 |
| primary-tumor\_pn | Infinity | Infinity | 1.284 |
| shuttle-landing-control\_pn | Infinity | Infinity | Infinity |
| solar-flare\_2\_pn | Infinity | Infinity | Infinity |
| soybean\_pn | Infinity | Infinity | 1.562 |
| spect\_test\_pn | Infinity | Infinity | Infinity |
| splice\_pn | Infinity | Infinity | Infinity |
| tic-tac-toe\_pn | Infinity | Infinity | 1.094 |
| trains\_pn | Infinity | Infinity | Infinity |
| vote\_pn | Infinity | Infinity | 3.350 |

k = 50 / FO = Qg / M = OddsRatio

|  |  |  |  |
| --- | --- | --- | --- |
| Base | AG | PmPcP | SD |
| audiology\_pn | Infinity | Infinity | NaN |
| breast-cancer\_pn | Infinity | Infinity | NaN |
| bridges\_version2\_pn | Infinity | Infinity | NaN |
| car\_pn | Infinity | Infinity | NaN |
| kr-vs-kp\_pn | Infinity | Infinity | NaN |
| lung-cancer\_pn | Infinity | Infinity | NaN |
| molecular-biology\_promoters\_pn | Infinity | Infinity | Infinity |
| monks-problems-1\_train\_pn | Infinity | Infinity | NaN |
| mushroom\_pn | Infinity | Infinity | NaN |
| nursery\_pn | Infinity | Infinity | NaN |
| postoperative-patient-data\_pn | Infinity | Infinity | NaN |
| primary-tumor\_pn | Infinity | Infinity | NaN |
| shuttle-landing-control\_pn | Infinity | Infinity | NaN |
| solar-flare\_2\_pn | NaN | NaN | NaN |
| soybean\_pn | Infinity | Infinity | NaN |
| spect\_test\_pn | Infinity | Infinity | NaN |
| splice\_pn | Infinity | Infinity | Infinity |
| tic-tac-toe\_pn | Infinity | Infinity | NaN |
| trains\_pn | NaN | NaN | NaN |
| vote\_pn | Infinity | Infinity | NaN |

k = 50 / FO = Qg / M = DiffSup

|  |  |  |  |
| --- | --- | --- | --- |
| Base | AG | PmPcP | SD |
| audiology\_pn | 0.364 | 0.422 | 0.085 |
| breast-cancer\_pn | 0.082 | 0.083 | 0.030 |
| bridges\_version2\_pn | 0.193 | 0.226 | 0.058 |
| car\_pn | 0.112 | 0.108 | 0.031 |
| kr-vs-kp\_pn | 0.125 | 0.116 | 0.059 |
| lung-cancer\_pn | 0.232 | 0.245 | 0.124 |
| molecular-biology\_promoters\_pn | 0.149 | 0.155 | 0.182 |
| monks-problems-1\_train\_pn | 0.117 | 0.118 | 0.022 |
| mushroom\_pn | 0.115 | 0.116 | 0.154 |
| nursery\_pn | 0.065 | 0.067 | 0.020 |
| postoperative-patient-data\_pn | 0.067 | 0.065 | 0.013 |
| primary-tumor\_pn | 0.123 | 0.129 | 0.044 |
| shuttle-landing-control\_pn | 0.156 | 0.158 | 0.020 |
| solar-flare\_2\_pn | 0.129 | 0.125 | 0.029 |
| soybean\_pn | 0.206 | 0.204 | 0.140 |
| spect\_test\_pn | 0.216 | 0.226 | 0.106 |
| splice\_pn | 0.063 | 0.063 | 0.064 |
| tic-tac-toe\_pn | 0.069 | 0.065 | 0.026 |
| trains\_pn | 0.195 | 0.195 | 0.064 |
| vote\_pn | 0.499 | 0.509 | 0.160 |

k = 50 / FO = Qg / M = cov

|  |  |  |  |
| --- | --- | --- | --- |
| Base | AG | PmPcP | SD |
| audiology\_pn | 0.151 | 0.142 | 0.843 |
| breast-cancer\_pn | 0.223 | 0.218 | 0.839 |
| bridges\_version2\_pn | 0.184 | 0.183 | 0.878 |
| car\_pn | 0.235 | 0.235 | 0.885 |
| kr-vs-kp\_pn | 0.181 | 0.148 | 0.691 |
| lung-cancer\_pn | 0.188 | 0.165 | 0.565 |
| molecular-biology\_promoters\_pn | 0.075 | 0.079 | 0.092 |
| monks-problems-1\_train\_pn | 0.193 | 0.197 | 0.882 |
| mushroom\_pn | 0.069 | 0.066 | 0.232 |
| nursery\_pn | 0.295 | 0.296 | 0.987 |
| postoperative-patient-data\_pn | 0.314 | 0.309 | 0.899 |
| primary-tumor\_pn | 0.121 | 0.086 | 0.826 |
| shuttle-landing-control\_pn | 0.430 | 0.424 | 0.965 |
| solar-flare\_2\_pn | 0.287 | 0.287 | 0.974 |
| soybean\_pn | 0.047 | 0.044 | 0.657 |
| spect\_test\_pn | 0.333 | 0.295 | 0.727 |
| splice\_pn | 0.033 | 0.033 | 0.033 |
| tic-tac-toe\_pn | 0.087 | 0.084 | 0.753 |
| trains\_pn | 0.493 | 0.492 | 0.928 |
| vote\_pn | 0.344 | 0.353 | 0.843 |

k = 50 / FO = Qg / M = supp

|  |  |  |  |
| --- | --- | --- | --- |
| Base | AG | PmPcP | SD |
| audiology\_pn | 0.107 | 0.115 | 0.229 |
| breast-cancer\_pn | 0.173 | 0.170 | 0.596 |
| bridges\_version2\_pn | 0.124 | 0.132 | 0.382 |
| car\_pn | 0.178 | 0.176 | 0.626 |
| kr-vs-kp\_pn | 0.126 | 0.107 | 0.375 |
| lung-cancer\_pn | 0.132 | 0.126 | 0.259 |
| molecular-biology\_promoters\_pn | 0.075 | 0.078 | 0.092 |
| monks-problems-1\_train\_pn | 0.126 | 0.128 | 0.446 |
| mushroom\_pn | 0.065 | 0.063 | 0.158 |
| nursery\_pn | 0.099 | 0.101 | 0.333 |
| postoperative-patient-data\_pn | 0.234 | 0.231 | 0.642 |
| primary-tumor\_pn | 0.053 | 0.045 | 0.213 |
| shuttle-landing-control\_pn | 0.263 | 0.260 | 0.584 |
| solar-flare\_2\_pn | 0.090 | 0.089 | 0.309 |
| soybean\_pn | 0.030 | 0.030 | 0.105 |
| spect\_test\_pn | 0.320 | 0.287 | 0.677 |
| splice\_pn | 0.033 | 0.033 | 0.033 |
| tic-tac-toe\_pn | 0.072 | 0.070 | 0.498 |
| trains\_pn | 0.286 | 0.286 | 0.480 |
| vote\_pn | 0.330 | 0.337 | 0.555 |

k = 50 / FO = Qg / M = suppN

|  |  |  |  |
| --- | --- | --- | --- |
| Base | AG | PmPcP | SD |
| audiology\_pn | 0.059 | 0.035 | 0.822 |
| breast-cancer\_pn | 0.168 | 0.162 | 0.819 |
| bridges\_version2\_pn | 0.104 | 0.089 | 0.853 |
| car\_pn | 0.191 | 0.195 | 0.863 |
| kr-vs-kp\_pn | 0.116 | 0.088 | 0.660 |
| lung-cancer\_pn | 0.094 | 0.065 | 0.515 |
| molecular-biology\_promoters\_pn | 0.001 | 0.001 | 0.001 |
| monks-problems-1\_train\_pn | 0.136 | 0.138 | 0.871 |
| mushroom\_pn | 0.010 | 0.006 | 0.152 |
| nursery\_pn | 0.294 | 0.293 | 0.980 |
| postoperative-patient-data\_pn | 0.279 | 0.271 | 0.890 |
| primary-tumor\_pn | 0.091 | 0.054 | 0.815 |
| shuttle-landing-control\_pn | 0.416 | 0.410 | 0.953 |
| solar-flare\_2\_pn | 0.286 | 0.287 | 0.965 |
| soybean\_pn | 0.020 | 0.017 | 0.638 |
| spect\_test\_pn | 0.162 | 0.096 | 0.629 |
| splice\_pn | 0.000 | 0.000 | 0.000 |
| tic-tac-toe\_pn | 0.041 | 0.041 | 0.736 |
| trains\_pn | 0.414 | 0.413 | 0.896 |
| vote\_pn | 0.038 | 0.041 | 0.745 |

k = 50 / FO = Qg / M = TP

|  |  |  |  |
| --- | --- | --- | --- |
| Base | AG | PmPcP | SD |
| audiology\_pn | 24.083 | 26.048 | 51.680 |
| breast-cancer\_pn | 49.461 | 48.643 | 170.480 |
| bridges\_version2\_pn | 13.034 | 13.844 | 40.120 |
| car\_pn | 306.723 | 304.547 | 1082.120 |
| kr-vs-kp\_pn | 401.859 | 340.643 | 1199.740 |
| lung-cancer\_pn | 4.237 | 4.035 | 8.300 |
| molecular-biology\_promoters\_pn | 7.938 | 8.285 | 9.720 |
| monks-problems-1\_train\_pn | 15.577 | 15.863 | 55.360 |
| mushroom\_pn | 524.808 | 513.469 | 1286.640 |
| nursery\_pn | 1283.568 | 1310.544 | 4320.000 |
| postoperative-patient-data\_pn | 21.023 | 20.775 | 57.780 |
| primary-tumor\_pn | 17.928 | 15.365 | 72.140 |
| shuttle-landing-control\_pn | 3.951 | 3.893 | 8.760 |
| solar-flare\_2\_pn | 95.480 | 95.035 | 328.940 |
| soybean\_pn | 20.717 | 20.329 | 71.560 |
| spect\_test\_pn | 59.921 | 53.710 | 126.520 |
| splice\_pn | 105.075 | 105.396 | 106.280 |
| tic-tac-toe\_pn | 69.324 | 66.731 | 477.240 |
| trains\_pn | 2.857 | 2.861 | 4.800 |
| vote\_pn | 143.439 | 146.747 | 241.520 |

k = 50 / FO = Qg / M = FP

|  |  |  |  |
| --- | --- | --- | --- |
| Base | AG | PmPcP | SD |
| audiology\_pn | 9.964 | 5.985 | 138.900 |
| breast-cancer\_pn | 14.261 | 13.787 | 69.580 |
| bridges\_version2\_pn | 6.317 | 5.415 | 52.060 |
| car\_pn | 99.133 | 100.765 | 447.160 |
| kr-vs-kp\_pn | 176.394 | 133.845 | 1008.180 |
| lung-cancer\_pn | 1.792 | 1.240 | 9.780 |
| molecular-biology\_promoters\_pn | 0.061 | 0.061 | 0.060 |
| monks-problems-1\_train\_pn | 8.405 | 8.564 | 54.000 |
| mushroom\_pn | 38.501 | 24.355 | 595.280 |
| nursery\_pn | 2538.336 | 2531.808 | 8467.200 |
| postoperative-patient-data\_pn | 7.244 | 7.056 | 23.140 |
| primary-tumor\_pn | 23.137 | 13.733 | 207.860 |
| shuttle-landing-control\_pn | 2.498 | 2.460 | 5.720 |
| solar-flare\_2\_pn | 210.359 | 210.749 | 709.320 |
| soybean\_pn | 11.532 | 9.829 | 376.900 |
| spect\_test\_pn | 2.427 | 1.433 | 9.440 |
| splice\_pn | 0.327 | 0.313 | 0.300 |
| tic-tac-toe\_pn | 13.767 | 13.777 | 244.480 |
| trains\_pn | 2.069 | 2.063 | 4.480 |
| vote\_pn | 6.355 | 6.871 | 125.160 |