Table 1: DRPM Model (without spatial cohesion) for different hyperparameter configurations with the following prior values: $m_0 = 0.0$, $s_0^2 = 10000.0$, $A_\sigma = 10.0$, $A_\tau = 5.0$, $A_\lambda = 5.0$, $b = 1.0$, $a_\alpha = 2.0$, $b_\alpha = 2.0$.

Model	M	starting-alpha	lpml	waic	time	mse	n-singletons	n-clusters	max-cluster-size	min-cluster-size	max-pm25-diff
drpm	0.100000	0.000000	$-1.355 \cdot 10^{+03}$	$2.696 \cdot 10^{+03}$	$1.409 \cdot 10^{+01}$	$1.276 \cdot 10^{+00}$	0	1.000000	34	34	$1.753 \cdot 10^{+00}$
drpm	0.100000	0.100000	$-1.843 \cdot 10^{+03}$	$3.677 \cdot 10^{+03}$	$1.399 \cdot 10^{+01}$	$1.425 \cdot 10^{+00}$	0	1.000000	34	34	$1.753 \cdot 10^{+00}$
drpm	0.100000	0.250000	$-1.558 \cdot 10^{+03}$	$3.103 \cdot 10^{+03}$	$1.385 \cdot 10^{+01}$	$1.345 \cdot 10^{+00}$	0	1.000000	34	34	$1.753 \cdot 10^{+00}$
drpm	0.100000	0.500000	$-1.351 \cdot 10^{+03}$	$2.691 \cdot 10^{+03}$	$1.390 \cdot 10^{+01}$	$1.280 \cdot 10^{+00}$	2	1.057692	34	1	$1.753 \cdot 10^{+00}$
drpm	0.100000	0.750000	$-1.236 \cdot 10^{+03}$	$2.462 \cdot 10^{+03}$	$1.391 \cdot 10^{+01}$	$\mathbf{1.236 \cdot 10^{+00}}$	0	1.057692	34	4	$1.753 \cdot 10^{+00}$
drpm	0.100000	0.900000	$-1.776 \cdot 10^{+03}$	$3.543 \cdot 10^{+03}$	$1.388 \cdot 10^{+01}$	$1.402 \cdot 10^{+00}$	0	1.000000	34	34	$1.753 \cdot 10^{+00}$
drpm	1.000000	0.000000	$-1.304 \cdot 10^{+03}$	$2.580 \cdot 10^{+03}$	$1.448 \cdot 10^{+01}$	$1.292 \cdot 10^{+00}$	1	1.211538	34	1	$1.753 \cdot 10^{+00}$
drpm	1.000000	0.100000	$-1.416 \cdot 10^{+03}$	$2.820 \cdot 10^{+03}$	$1.410 \cdot 10^{+01}$	$1.313 \cdot 10^{+00}$	1	1.019231	34	1	$1.753 \cdot 10^{+00}$
drpm	1.000000	0.250000	$-1.539 \cdot 10^{+03}$	$3.052 \cdot 10^{+03}$	$1.442 \cdot 10^{+01}$	$1.310 \cdot 10^{+00}$	3	1.153846	34	1	$1.753 \cdot 10^{+00}$
drpm	1.000000	0.500000	$-1.781 \cdot 10^{+03}$	$3.460 \cdot 10^{+03}$	$1.428 \cdot 10^{+01}$	$1.380 \cdot 10^{+00}$	1	1.019231	34	1	$1.753 \cdot 10^{+00}$
drpm	1.000000	0.750000	$-1.617 \cdot 10^{+03}$	$2.871 \cdot 10^{+03}$	$1.869 \cdot 10^{+01}$	$1.585 \cdot 10^{+00}$	3	3.115385	34	1	$\mathbf{1.679 \cdot 10^{+00}}$
drpm	1.000000	0.900000	$-1.555 \cdot 10^{+03}$	$3.096 \cdot 10^{+03}$	$1.415 \cdot 10^{+01}$	$1.346 \cdot 10^{+00}$	2	1.153846	34	1	$1.753 \cdot 10^{+00}$
drpm	10.000000	0.000000	$-1.295 \cdot 10^{+03}$	$2.564 \cdot 10^{+03}$	$1.326 \cdot 10^{+01}$	$1.267 \cdot 10^{+00}$	2	1.115385	34	1	$\mathbf{1.679 \cdot 10^{+00}}$
drpm	10.000000	0.100000	$-2.372 \cdot 10^{+03}$	$3.607 \cdot 10^{+03}$	$1.460 \cdot 10^{+01}$	$1.376 \cdot 10^{+00}$	1	1.019231	34	1	$1.753 \cdot 10^{+00}$
drpm	10.000000	0.250000	$-1.655 \cdot 10^{+03}$	$3.235 \cdot 10^{+03}$	$1.328 \cdot 10^{+01}$	$1.366 \cdot 10^{+00}$	2	1.115385	34	1	$1.753 \cdot 10^{+00}$
drpm	10.000000	0.500000	$-1.905 \cdot 10^{+03}$	$3.636 \cdot 10^{+03}$	$1.397 \cdot 10^{+01}$	$1.395 \cdot 10^{+00}$	0	1.000000	34	34	$1.753 \cdot 10^{+00}$
drpm	10.000000	0.750000	$-1.840 \cdot 10^{+03}$	$3.679 \cdot 10^{+03}$	$1.426 \cdot 10^{+01}$	$1.399 \cdot 10^{+00}$	1	1.192308	34	1	$1.753 \cdot 10^{+00}$
drpm	10.000000	0.900000	$-1.752 \cdot 10^{+03}$	$3.429 \cdot 10^{+03}$	$1.486 \cdot 10^{+01}$	$1.411 \cdot 10^{+00}$	3	1.326923	34	1	$1.753 \cdot 10^{+00}$
drpm	100.000000	0.000000	$-1.815 \cdot 10^{+03}$	$3.604 \cdot 10^{+03}$	$1.366 \cdot 10^{+01}$	$1.416 \cdot 10^{+00}$	2	1.173077	34	1	$1.753 \cdot 10^{+00}$
drpm	100.000000	0.100000	$-1.665 \cdot 10^{+03}$	$3.301 \cdot 10^{+03}$	$1.253 \cdot 10^{+01}$	$1.345 \cdot 10^{+00}$	1	1.019231	34	1	$1.753 \cdot 10^{+00}$
drpm	100.000000	0.250000	$\mathbf{-1.234 \cdot 10^{+03}}$	$\mathbf{2.445 \cdot 10^{+03}}$	$1.270 \cdot 10^{+01}$	$1.271 \cdot 10^{+00}$	1	1.096154	34	1	$1.753 \cdot 10^{+00}$
drpm	100.000000	0.500000	$-1.709 \cdot 10^{+03}$	$3.400 \cdot 10^{+03}$	$1.213 \cdot 10^{+01}$	$1.367 \cdot 10^{+00}$	1	1.038462	34	1	$1.753 \cdot 10^{+00}$
drpm	100.000000	0.750000	$-1.724 \cdot 10^{+03}$	$3.354 \cdot 10^{+03}$	$\mathbf{1.211 \cdot 10^{+01}}$	$1.355 \cdot 10^{+00}$	0	1.000000	34	34	$1.753 \cdot 10^{+00}$
drpm	100.000000	0.900000	$-1.307 \cdot 10^{+03}$	$2.594 \cdot 10^{+03}$	$1.225 \cdot 10^{+01}$	$1.271 \cdot 10^{+00}$	0	1.000000	34	34	$1.753 \cdot 10^{+00}$

Table 2: DRPM Model (without spatial cohesion) for different hyperparameter configurations with the following prior values: $m_0 = 0.0$, $s_0^2 = 200.0$, $A_\sigma = 0.1$, $A_\tau = 1.0$, $A_\lambda = 1.0$, $b = 1.0$, $a_\alpha = 1.0$, $b_\alpha = 1.0$.

Model	M	starting-alpha	lpml	waic	time	mse	n-singletons	n-clusters	max-cluster-size	min-cluster-size	max-pm25-diff
drpm	0.100000	0.000000	*nan*	$-9.060 \cdot 10^{+02}$	$7.070 \cdot 10^{+01}$	$1.698 \cdot 10^{+00}$	0	9.423077	6	2	$1.495 \cdot 10^{+00}$
drpm	0.100000	0.100000	*nan*	$-9.470 \cdot 10^{+02}$	$7.231 \cdot 10^{+01}$	$1.696 \cdot 10^{+00}$	0	9.403846	6	2	$1.478 \cdot 10^{+00}$
drpm	0.100000	0.250000	*nan*	$\mathbf{-1.285 \cdot 10^{+03}}$	$6.871 \cdot 10^{+01}$	$1.696 \cdot 10^{+00}$	0	9.192308	6	2	$1.495 \cdot 10^{+00}$
drpm	0.100000	0.500000	**inf**	$2.044 \cdot 10^{+06}$	$2.793 \cdot 10^{+02}$	$1.705 \cdot 10^{+00}$	10	19.750000	3	1	$1.478 \cdot 10^{+00}$
drpm	0.100000	0.750000	*nan*	$-2.864 \cdot 10^{+02}$	$9.747 \cdot 10^{+01}$	$1.706 \cdot 10^{+00}$	0	11.173077	6	2	$1.495 \cdot 10^{+00}$
drpm	0.100000	0.900000	*nan*	$-1.051 \cdot 10^{+03}$	$8.747 \cdot 10^{+01}$	$1.700 \cdot 10^{+00}$	0	10.403846	5	2	$1.621 \cdot 10^{+00}$
drpm	1.000000	0.000000	*nan*	$1.373 \cdot 10^{+03}$	$8.179 \cdot 10^{+01}$	$1.698 \cdot 10^{+00}$	0	11.346154	5	2	$1.495 \cdot 10^{+00}$
drpm	1.000000	0.100000	*nan*	$1.388 \cdot 10^{+03}$	$7.188 \cdot 10^{+01}$	$1.697 \cdot 10^{+00}$	0	10.403846	6	2	$1.495 \cdot 10^{+00}$
drpm	1.000000	0.250000	*nan*	$8.024 \cdot 10^{+02}$	$7.629 \cdot 10^{+01}$	$1.697 \cdot 10^{+00}$	0	10.730769	6	2	$1.679 \cdot 10^{+00}$
drpm	1.000000	0.500000	*nan*	$1.760 \cdot 10^{+04}$	$1.046 \cdot 10^{+02}$	$1.704 \cdot 10^{+00}$	0	13.192308	4	2	$1.478 \cdot 10^{+00}$
drpm	1.000000	0.750000	*nan*	$2.840 \cdot 10^{+03}$	$8.302 \cdot 10^{+01}$	$1.699 \cdot 10^{+00}$	0	11.500000	5	2	$1.495 \cdot 10^{+00}$
drpm	1.000000	0.900000	*nan*	$4.166 \cdot 10^{+02}$	$7.703 \cdot 10^{+01}$	$1.693 \cdot 10^{+00}$	0	10.923077	6	2	$1.478 \cdot 10^{+00}$
drpm	10.000000	0.000000	*nan*	$1.754 \cdot 10^{+03}$	$7.557 \cdot 10^{+01}$	$1.700 \cdot 10^{+00}$	0	11.750000	4	2	$1.478 \cdot 10^{+00}$
drpm	10.000000	0.100000	*nan*	$-6.442 \cdot 10^{+02}$	$6.834 \cdot 10^{+01}$	$1.692 \cdot 10^{+00}$	0	11.115385	4	2	$1.679 \cdot 10^{+00}$
drpm	10.000000	0.250000	*nan*	$3.383 \cdot 10^{+02}$	$7.050 \cdot 10^{+01}$	$1.697 \cdot 10^{+00}$	0	11.269231	4	2	$1.495 \cdot 10^{+00}$
drpm	10.000000	0.500000	*nan*	$-5.428 \cdot 10^{+02}$	$6.606 \cdot 10^{+01}$	$1.693 \cdot 10^{+00}$	0	11.346154	4	2	$\mathbf{1.309 \cdot 10^{+00}}$
drpm	10.000000	0.750000	*nan*	$1.504 \cdot 10^{+02}$	$7.174 \cdot 10^{+01}$	$1.693 \cdot 10^{+00}$	0	11.211538	4	2	$1.495 \cdot 10^{+00}$
drpm	10.000000	0.900000	*nan*	$-4.367 \cdot 10^{+01}$	$7.006 \cdot 10^{+01}$	$1.690 \cdot 10^{+00}$	0	11.096154	4	2	$1.495 \cdot 10^{+00}$
drpm	100.000000	0.000000	*nan*	$7.135 \cdot 10^{+04}$	$7.079 \cdot 10^{+01}$	$1.603 \cdot 10^{+00}$	2	11.173077	12	1	$1.478 \cdot 10^{+00}$
drpm	100.000000	0.100000	*nan*	$2.838 \cdot 10^{+04}$	$6.835 \cdot 10^{+01}$	$1.543 \cdot 10^{+00}$	0	10.634615	12	2	$1.478 \cdot 10^{+00}$
drpm	100.000000	0.250000	*nan*	$1.050 \cdot 10^{+06}$	$6.767 \cdot 10^{+01}$	$1.604 \cdot 10^{+00}$	4	12.173077	16	1	$1.679 \cdot 10^{+00}$
drpm	100.000000	0.500000	*nan*	$5.378 \cdot 10^{+04}$	$5.102 \cdot 10^{+01}$	$1.665 \cdot 10^{+00}$	6	10.038462	22	1	$1.679 \cdot 10^{+00}$
drpm	100.000000	0.750000	*nan*	$3.766 \cdot 10^{+04}$	$2.596 \cdot 10^{+01}$	$\mathbf{1.369 \cdot 10^{+00}}$	6	4.788462	34	1	$1.679 \cdot 10^{+00}$
drpm	100.000000	0.900000	$-2.367 \cdot 10^{+04}$	$3.600 \cdot 10^{+04}$	$\mathbf{2.507 \cdot 10^{+01}}$	$1.595 \cdot 10^{+00}$	8	4.000000	34	1	$1.679 \cdot 10^{+00}$

Table 3: DRPM Model (without spatial cohesion) for different hyperparameter configurations with the following prior values: $m_0 = 2.91$, $s_0^2 = 200.0$, $A_\sigma = 0.1$, $A_\tau = 1.0$, $A_\lambda = 1.0$, $b = 1.0$, $a_\alpha = 1.0$, $b_\alpha = 1.0$.

Model	M	starting-alpha	lpml	waic	time	mse	n-singletons	n-clusters	max-cluster-size	min-cluster-size	max-pm25-diff
drpm	0.100000	0.000000	*nan*	$1.605 \cdot 10^{+03}$	$1.023 \cdot 10^{+02}$	$1.698 \cdot 10^{+00}$	0	9.769231	6	2	$1.679 \cdot 10^{+00}$
drpm	0.100000	0.100000	*nan*	$-6.992 \cdot 10^{+02}$	$8.626 \cdot 10^{+01}$	$1.700 \cdot 10^{+00}$	0	9.288462	6	2	$1.495 \cdot 10^{+00}$
drpm	0.100000	0.250000	*nan*	$\mathbf{-9.548 \cdot 10^{+02}}$	$9.026 \cdot 10^{+01}$	$1.699 \cdot 10^{+00}$	0	9.557692	4	2	$1.679 \cdot 10^{+00}$
drpm	0.100000	0.500000	*nan*	$4.279 \cdot 10^{+03}$	$1.603 \cdot 10^{+02}$	$1.703 \cdot 10^{+00}$	0	13.076923	6	2	$1.621 \cdot 10^{+00}$
drpm	0.100000	0.750000	*nan*	$7.397 \cdot 10^{+02}$	$1.171 \cdot 10^{+02}$	$1.703 \cdot 10^{+00}$	0	10.615385	5	2	$1.679 \cdot 10^{+00}$
drpm	0.100000	0.900000	*nan*	$1.613 \cdot 10^{+05}$	$2.684 \cdot 10^{+02}$	$1.707 \cdot 10^{+00}$	2	16.942308	4	1	$1.679 \cdot 10^{+00}$
drpm	1.000000	0.000000	*nan*	$-5.382 \cdot 10^{+02}$	$7.540 \cdot 10^{+01}$	$1.695 \cdot 10^{+00}$	0	10.038462	5	2	$1.679 \cdot 10^{+00}$
drpm	1.000000	0.100000	*nan*	$1.207 \cdot 10^{+03}$	$8.646 \cdot 10^{+01}$	$1.695 \cdot 10^{+00}$	0	10.403846	6	2	$1.478 \cdot 10^{+00}$
drpm	1.000000	0.250000	*nan*	$1.939 \cdot 10^{+03}$	$1.088 \cdot 10^{+02}$	$1.700 \cdot 10^{+00}$	0	11.615385	6	2	$1.495 \cdot 10^{+00}$
drpm	1.000000	0.500000	*nan*	$8.012 \cdot 10^{+03}$	$1.268 \cdot 10^{+02}$	$1.699 \cdot 10^{+00}$	0	12.250000	4	2	$1.495 \cdot 10^{+00}$
drpm	1.000000	0.750000	*nan*	$1.359 \cdot 10^{+04}$	$1.309 \cdot 10^{+02}$	$1.703 \cdot 10^{+00}$	0	12.942308	4	2	$1.495 \cdot 10^{+00}$
drpm	1.000000	0.900000	*nan*	$-6.555 \cdot 10^{+02}$	$7.934 \cdot 10^{+01}$	$1.696 \cdot 10^{+00}$	0	10.134615	5	2	$1.679 \cdot 10^{+00}$
drpm	10.000000	0.000000	*nan*	$-2.940 \cdot 10^{+02}$	$8.281 \cdot 10^{+01}$	$1.695 \cdot 10^{+00}$	0	11.442308	4	2	$1.679 \cdot 10^{+00}$
drpm	10.000000	0.100000	*nan*	$-3.179 \cdot 10^{+02}$	$8.891 \cdot 10^{+01}$	$1.698 \cdot 10^{+00}$	0	11.038462	5	2	$1.495 \cdot 10^{+00}$
drpm	10.000000	0.250000	*nan*	$1.133 \cdot 10^{+02}$	$8.975 \cdot 10^{+01}$	$1.698 \cdot 10^{+00}$	0	11.115385	5	2	$1.495 \cdot 10^{+00}$
drpm	10.000000	0.500000	*nan*	$4.355 \cdot 10^{+04}$	$1.081 \cdot 10^{+02}$	$1.708 \cdot 10^{+00}$	0	13.461538	4	2	$1.679 \cdot 10^{+00}$
drpm	10.000000	0.750000	*nan*	$3.555 \cdot 10^{+04}$	$1.091 \cdot 10^{+02}$	$1.708 \cdot 10^{+00}$	0	13.461538	4	2	$1.478 \cdot 10^{+00}$
drpm	10.000000	0.900000	*nan*	$-5.003 \cdot 10^{+02}$	$8.581 \cdot 10^{+01}$	$1.693 \cdot 10^{+00}$	0	11.115385	4	2	$1.478 \cdot 10^{+00}$
drpm	100.000000	0.000000	*nan*	$4.917 \cdot 10^{+03}$	$7.870 \cdot 10^{+01}$	$1.660 \cdot 10^{+00}$	0	9.423077	7	2	$\mathbf{1.290 \cdot 10^{+00}}$
drpm	100.000000	0.100000	*nan*	$2.491 \cdot 10^{+04}$	$7.825 \cdot 10^{+01}$	$1.599 \cdot 10^{+00}$	2	9.884615	18	1	$1.495 \cdot 10^{+00}$
drpm	100.000000	0.250000	*nan*	$7.665 \cdot 10^{+04}$	$8.262 \cdot 10^{+01}$	$1.690 \cdot 10^{+00}$	6	10.711538	20	1	$1.679 \cdot 10^{+00}$
drpm	100.000000	0.500000	*nan*	$6.520 \cdot 10^{+04}$	$4.903 \cdot 10^{+01}$	$\mathbf{1.499 \cdot 10^{+00}}$	7	7.038462	34	1	$1.679 \cdot 10^{+00}$
drpm	100.000000	0.750000	$\mathbf{-2.685 \cdot 10^{+04}}$	$3.182 \cdot 10^{+04}$	$\mathbf{4.175 \cdot 10^{+01}}$	$1.560 \cdot 10^{+00}$	6	6.076923	34	1	$1.679 \cdot 10^{+00}$
drpm	100.000000	0.900000	*nan*	$3.391 \cdot 10^{+04}$	$5.139 \cdot 10^{+01}$	$1.623 \cdot 10^{+00}$	6	7.653846	34	1	$1.679 \cdot 10^{+00}$

Table 4: DRPM Model for different hyperparameter configurations with the following prior values: $m_0 = 0.0$, $s_0^2 = 10000.0$, $A_\sigma = 10.0$, $A_\tau = 5.0$, $A_\lambda = 5.0$, $b = 1.0$, $a_\alpha = 2.0$, $b_\alpha = 2.0$.

Model	M	starting-alpha	SpatialCohesion	lpml	waic	time	mse	n-singletons	n-clusters	max-cluster-size	min-cluster-size	max-pm25-diff
drpm	0.100000	0.000000	3	$-1.353 \cdot 10^{+03}$	$2.691 \cdot 10^{+03}$	$2.720 \cdot 10^{+01}$	$1.284 \cdot 10^{+00}$	0	1.000000	34	34	$\mathbf{1.753 \cdot 10^{+00}}$
drpm	0.100000	0.000000	4	$-1.574 \cdot 10^{+03}$	$3.115 \cdot 10^{+03}$	$3.532 \cdot 10^{+01}$	$1.346 \cdot 10^{+00}$	0	1.000000	34	34	$\mathbf{1.753 \cdot 10^{+00}}$
drpm	0.100000	0.100000	3	$-1.494 \cdot 10^{+03}$	$2.973 \cdot 10^{+03}$	$2.689 \cdot 10^{+01}$	$1.304 \cdot 10^{+00}$	0	1.000000	34	34	$\mathbf{1.753 \cdot 10^{+00}}$
drpm	0.100000	0.100000	4	$-1.803 \cdot 10^{+03}$	$3.576 \cdot 10^{+03}$	$3.528 \cdot 10^{+01}$	$1.391 \cdot 10^{+00}$	0	1.000000	34	34	$\mathbf{1.753 \cdot 10^{+00}}$
drpm	0.100000	0.250000	3	$-1.622 \cdot 10^{+03}$	$3.232 \cdot 10^{+03}$	$2.673 \cdot 10^{+01}$	$1.361 \cdot 10^{+00}$	0	1.000000	34	34	$\mathbf{1.753 \cdot 10^{+00}}$
drpm	0.100000	0.250000	4	$-1.668 \cdot 10^{+03}$	$3.312 \cdot 10^{+03}$	$3.067 \cdot 10^{+01}$	$1.403 \cdot 10^{+00}$	0	1.000000	34	34	$\mathbf{1.753 \cdot 10^{+00}}$
drpm	0.100000	0.500000	3	$\mathbf{-1.217 \cdot 10^{+03}}$	$\mathbf{2.422 \cdot 10^{+03}}$	$2.672 \cdot 10^{+01}$	$1.257 \cdot 10^{+00}$	0	1.000000	34	34	$\mathbf{1.753 \cdot 10^{+00}}$
drpm	0.100000	0.500000	4	$-1.509 \cdot 10^{+03}$	$2.988 \cdot 10^{+03}$	$3.235 \cdot 10^{+01}$	$1.348 \cdot 10^{+00}$	0	1.000000	34	34	$\mathbf{1.753 \cdot 10^{+00}}$
drpm	0.100000	0.750000	3	$-1.668 \cdot 10^{+03}$	$3.323 \cdot 10^{+03}$	$2.685 \cdot 10^{+01}$	$1.368 \cdot 10^{+00}$	0	1.000000	34	34	$\mathbf{1.753 \cdot 10^{+00}}$
drpm	0.100000	0.750000	4	$-1.703 \cdot 10^{+03}$	$3.384 \cdot 10^{+03}$	$3.044 \cdot 10^{+01}$	$1.377 \cdot 10^{+00}$	0	1.000000	34	34	$\mathbf{1.753 \cdot 10^{+00}}$
drpm	0.100000	0.900000	3	$-1.432 \cdot 10^{+03}$	$2.850 \cdot 10^{+03}$	$2.672 \cdot 10^{+01}$	$1.304 \cdot 10^{+00}$	0	1.000000	34	34	$\mathbf{1.753 \cdot 10^{+00}}$
drpm	0.100000	0.900000	4	$-1.646 \cdot 10^{+03}$	$3.268 \cdot 10^{+03}$	$3.044 \cdot 10^{+01}$	$1.358 \cdot 10^{+00}$	0	1.000000	34	34	$\mathbf{1.753 \cdot 10^{+00}}$
drpm	1.000000	0.000000	3	$-1.707 \cdot 10^{+03}$	$3.403 \cdot 10^{+03}$	$2.679 \cdot 10^{+01}$	$1.391 \cdot 10^{+00}$	0	1.000000	34	34	$\mathbf{1.753 \cdot 10^{+00}}$
drpm	1.000000	0.000000	4	$-1.326 \cdot 10^{+03}$	$2.606 \cdot 10^{+03}$	$4.512 \cdot 10^{+01}$	$1.260 \cdot 10^{+00}$	0	1.000000	34	34	$\mathbf{1.753 \cdot 10^{+00}}$
drpm	1.000000	0.100000	3	$-1.732 \cdot 10^{+03}$	$3.453 \cdot 10^{+03}$	$2.708 \cdot 10^{+01}$	$1.398 \cdot 10^{+00}$	0	1.000000	34	34	$\mathbf{1.753 \cdot 10^{+00}}$
drpm	1.000000	0.100000	4	$-1.783 \cdot 10^{+03}$	$3.525 \cdot 10^{+03}$	$4.327 \cdot 10^{+01}$	$1.418 \cdot 10^{+00}$	0	1.000000	34	34	$\mathbf{1.753 \cdot 10^{+00}}$
drpm	1.000000	0.250000	3	$-1.732 \cdot 10^{+03}$	$3.451 \cdot 10^{+03}$	$2.703 \cdot 10^{+01}$	$1.379 \cdot 10^{+00}$	0	1.000000	34	34	$\mathbf{1.753 \cdot 10^{+00}}$
drpm	1.000000	0.250000	4	$-1.762 \cdot 10^{+03}$	$3.484 \cdot 10^{+03}$	$4.219 \cdot 10^{+01}$	$1.376 \cdot 10^{+00}$	0	1.000000	34	34	$\mathbf{1.753 \cdot 10^{+00}}$
drpm	1.000000	0.500000	3	$-1.421 \cdot 10^{+03}$	$2.827 \cdot 10^{+03}$	$2.741 \cdot 10^{+01}$	$1.320 \cdot 10^{+00}$	0	1.000000	34	34	$\mathbf{1.753 \cdot 10^{+00}}$
drpm	1.000000	0.500000	4	$-1.297 \cdot 10^{+03}$	$2.552 \cdot 10^{+03}$	$4.370 \cdot 10^{+01}$	$1.260 \cdot 10^{+00}$	0	1.000000	34	34	$\mathbf{1.753 \cdot 10^{+00}}$
drpm	1.000000	0.750000	3	$-1.889 \cdot 10^{+03}$	$3.767 \cdot 10^{+03}$	$2.684 \cdot 10^{+01}$	$1.430 \cdot 10^{+00}$	0	1.000000	34	34	$\mathbf{1.753 \cdot 10^{+00}}$
drpm	1.000000	0.750000	4	$-1.548 \cdot 10^{+03}$	$3.048 \cdot 10^{+03}$	$4.109 \cdot 10^{+01}$	$1.304 \cdot 10^{+00}$	0	1.019231	34	5	$\mathbf{1.753 \cdot 10^{+00}}$
drpm	1.000000	0.900000	3	$-1.312 \cdot 10^{+03}$	$2.611 \cdot 10^{+03}$	$2.682 \cdot 10^{+01}$	$1.279 \cdot 10^{+00}$	0	1.000000	34	34	$\mathbf{1.753 \cdot 10^{+00}}$
drpm	1.000000	0.900000	4	$-1.342 \cdot 10^{+03}$	$2.642 \cdot 10^{+03}$	$4.009 \cdot 10^{+01}$	$1.269 \cdot 10^{+00}$	0	1.000000	34	34	$\mathbf{1.753 \cdot 10^{+00}}$
drpm	10.000000	0.000000	3	$-1.237 \cdot 10^{+03}$	$2.461 \cdot 10^{+03}$	$2.672 \cdot 10^{+01}$	$1.268 \cdot 10^{+00}$	0	1.000000	34	34	$\mathbf{1.753 \cdot 10^{+00}}$
drpm	10.000000	0.000000	4	$-1.861 \cdot 10^{+03}$	$3.683 \cdot 10^{+03}$	$4.514 \cdot 10^{+01}$	$1.440 \cdot 10^{+00}$	0	1.000000	34	34	$\mathbf{1.753 \cdot 10^{+00}}$
drpm	10.000000	0.100000	3	$-1.436 \cdot 10^{+03}$	$2.857 \cdot 10^{+03}$	$2.808 \cdot 10^{+01}$	$1.312 \cdot 10^{+00}$	0	1.000000	34	34	$\mathbf{1.753 \cdot 10^{+00}}$
drpm	10.000000	0.100000	4	$-1.329 \cdot 10^{+03}$	$2.611 \cdot 10^{+03}$	$4.479 \cdot 10^{+01}$	$1.253 \cdot 10^{+00}$	0	1.019231	34	2	$\mathbf{1.753 \cdot 10^{+00}}$
drpm	10.000000	0.250000	3	$-1.583 \cdot 10^{+03}$	$3.153 \cdot 10^{+03}$	$2.689 \cdot 10^{+01}$	$1.358 \cdot 10^{+00}$	0	1.000000	34	34	$\mathbf{1.753 \cdot 10^{+00}}$
drpm	10.000000	0.250000	4	$-2.121 \cdot 10^{+03}$	$3.935 \cdot 10^{+03}$	$4.508 \cdot 10^{+01}$	$1.487 \cdot 10^{+00}$	0	1.000000	34	34	$\mathbf{1.753 \cdot 10^{+00}}$
drpm	10.000000	0.500000	3	$-1.349 \cdot 10^{+03}$	$2.683 \cdot 10^{+03}$	$2.693 \cdot 10^{+01}$	$1.278 \cdot 10^{+00}$	0	1.000000	34	34	$\mathbf{1.753 \cdot 10^{+00}}$
drpm	10.000000	0.500000	4	$-1.548 \cdot 10^{+03}$	$3.024 \cdot 10^{+03}$	$4.166 \cdot 10^{+01}$	$1.325 \cdot 10^{+00}$	0	1.000000	34	34	$\mathbf{1.753 \cdot 10^{+00}}$
drpm	10.000000	0.750000	3	$-1.330 \cdot 10^{+03}$	$2.646 \cdot 10^{+03}$	$2.676 \cdot 10^{+01}$	$1.262 \cdot 10^{+00}$	0	1.000000	34	34	$\mathbf{1.753 \cdot 10^{+00}}$
drpm	10.000000	0.750000	4	$-1.465 \cdot 10^{+03}$	$2.887 \cdot 10^{+03}$	$3.472 \cdot 10^{+01}$	$1.306 \cdot 10^{+00}$	1	1.057692	34	1	$\mathbf{1.753 \cdot 10^{+00}}$
drpm	10.000000	0.900000	3	$-1.620 \cdot 10^{+03}$	$3.225 \cdot 10^{+03}$	$2.791 \cdot 10^{+01}$	$1.360 \cdot 10^{+00}$	0	1.000000	34	34	$\mathbf{1.753 \cdot 10^{+00}}$
drpm	10.000000	0.900000	4	$-1.593 \cdot 10^{+03}$	$3.133 \cdot 10^{+03}$	$4.081 \cdot 10^{+01}$	$1.333 \cdot 10^{+00}$	0	1.019231	34	4	$\mathbf{1.753 \cdot 10^{+00}}$
drpm	100.000000	0.000000	3	$-1.405 \cdot 10^{+03}$	$2.790 \cdot 10^{+03}$	$3.020 \cdot 10^{+01}$	$1.288 \cdot 10^{+00}$	0	1.000000	34	34	$\mathbf{1.753 \cdot 10^{+00}}$
drpm	100.000000	0.000000	4	$-1.613 \cdot 10^{+03}$	$3.093 \cdot 10^{+03}$	$4.160 \cdot 10^{+01}$	$1.325 \cdot 10^{+00}$	0	1.076923	34	2	$\mathbf{1.753 \cdot 10^{+00}}$
drpm	100.000000	0.100000	3	$-1.718 \cdot 10^{+03}$	$3.421 \cdot 10^{+03}$	$2.795 \cdot 10^{+01}$	$1.398 \cdot 10^{+00}$	0	1.000000	34	34	$\mathbf{1.753 \cdot 10^{+00}}$
drpm	100.000000	0.100000	4	$-1.379 \cdot 10^{+03}$	$2.692 \cdot 10^{+03}$	$4.102 \cdot 10^{+01}$	$1.258 \cdot 10^{+00}$	0	1.000000	34	34	$\mathbf{1.753 \cdot 10^{+00}}$
drpm	100.000000	0.250000	3	$-1.506 \cdot 10^{+03}$	$2.997 \cdot 10^{+03}$	$2.712 \cdot 10^{+01}$	$1.329 \cdot 10^{+00}$	0	1.000000	34	34	$\mathbf{1.753 \cdot 10^{+00}}$
drpm	100.000000	0.250000	4	nan	$3.033 \cdot 10^{+03}$	$2.733 \cdot 10^{+01}$	$1.293 \cdot 10^{+00}$	1	1.192308	34	1	$\mathbf{1.753 \cdot 10^{+00}}$
drpm	100.000000	0.500000	3	$-1.911 \cdot 10^{+03}$	$3.757 \cdot 10^{+03}$	$2.963 \cdot 10^{+01}$	$1.428 \cdot 10^{+00}$	0	1.000000	34	34	$\mathbf{1.753 \cdot 10^{+00}}$
drpm	100.000000	0.500000	4	$-2.357 \cdot 10^{+03}$	$3.711 \cdot 10^{+03}$	$2.706 \cdot 10^{+01}$	$1.457 \cdot 10^{+00}$	1	1.057692	34	1	$\mathbf{1.753 \cdot 10^{+00}}$
drpm	100.000000	0.750000	3	$-1.251 \cdot 10^{+03}$	$2.485 \cdot 10^{+03}$	$2.828 \cdot 10^{+01}$	$\mathbf{1.251 \cdot 10^{+00}}$	0	1.000000	34	34	$\mathbf{1.753 \cdot 10^{+00}}$
drpm	100.000000	0.750000	4	$-1.335 \cdot 10^{+03}$	$2.639 \cdot 10^{+03}$	$\mathbf{2.437 \cdot 10^{+01}}$	$1.261 \cdot 10^{+00}$	1	1.076923	34	1	$\mathbf{1.753 \cdot 10^{+00}}$
drpm	100.000000	0.900000	3	$-1.221 \cdot 10^{+03}$	$2.427 \cdot 10^{+03}$	$2.741 \cdot 10^{+01}$	$1.268 \cdot 10^{+00}$	0	1.000000	34	34	$\mathbf{1.753 \cdot 10^{+00}}$
drpm	100.000000	0.900000	4	$-2.191 \cdot 10^{+03}$	$3.947 \cdot 10^{+03}$	$3.478 \cdot 10^{+01}$	$1.486 \cdot 10^{+00}$	1	1.115385	34	1	$\mathbf{1.753 \cdot 10^{+00}}$

Table 5: DRPM Model for different hyperparameter configurations with the following prior values: $m_0 = 0.0$, $s_0^2 = 200.0$, $A_\sigma = 0.1$, $A_\tau = 1.0$, $A_\lambda = 1.0$, $b = 1.0$, $a_\alpha = 1.0$, $b_\alpha = 1.0$.

Method	M	starting-alpha	SpatialCohesion	lpml	waic	time	mse	n-singletons	n-clusters	max-cluster-size	min-cluster-size	max-pm25-diff
drpm	0.100000	0.000000	3	$-6.998 \cdot 10^{+03}$	$3.816 \cdot 10^{+02}$	$1.195 \cdot 10^{+02}$	$1.707 \cdot 10^{+00}$	0	5.307692	24	2	$1.679 \cdot 10^{+00}$
drpm	0.100000	0.000000	4	*nan*	$4.619 \cdot 10^{+03}$	$3.820 \cdot 10^{+02}$	$1.702 \cdot 10^{+00}$	0	14.269231	6	2	$1.478 \cdot 10^{+00}$
drpm	0.100000	0.100000	3	*nan*	$5.034 \cdot 10^{+02}$	$2.396 \cdot 10^{+02}$	$1.714 \cdot 10^{+00}$	0	9.173077	12	2	$1.753 \cdot 10^{+00}$
drpm	0.100000	0.100000	4	*nan*	$-1.569 \cdot 10^{+02}$	$1.922 \cdot 10^{+02}$	$1.697 \cdot 10^{+00}$	1	8.173077	10	1	$1.679 \cdot 10^{+00}$
drpm	0.100000	0.250000	3	*nan*	$1.203 \cdot 10^{+03}$	$2.554 \cdot 10^{+02}$	$1.707 \cdot 10^{+00}$	0	9.519231	13	2	$1.753 \cdot 10^{+00}$
drpm	0.100000	0.250000	4	*nan*	$-5.307 \cdot 10^{+01}$	$1.962 \cdot 10^{+02}$	$1.704 \cdot 10^{+00}$	3	8.365385	25	1	$1.679 \cdot 10^{+00}$
drpm	0.100000	0.500000	3	*nan*	$1.705 \cdot 10^{+01}$	$1.200 \cdot 10^{+02}$	$1.688 \cdot 10^{+00}$	0	5.288462	12	4	$1.621 \cdot 10^{+00}$
drpm	0.100000	0.500000	4	*nan*	$\mathbf{-4.022 \cdot 10^{+02}}$	$2.208 \cdot 10^{+02}$	$1.700 \cdot 10^{+00}$	0	9.192308	8	2	$1.495 \cdot 10^{+00}$
drpm	0.100000	0.750000	3	$\mathbf{-1.155 \cdot 10^{+03}}$	$-1.919 \cdot 10^{+02}$	$\mathbf{1.060 \cdot 10^{+02}}$	$1.686 \cdot 10^{+00}$	0	4.711538	26	2	$1.679 \cdot 10^{+00}$
drpm	0.100000	0.750000	4	*nan*	$4.617 \cdot 10^{+02}$	$2.632 \cdot 10^{+02}$	$1.709 \cdot 10^{+00}$	0	10.711538	6	2	$1.478 \cdot 10^{+00}$
drpm	0.100000	0.900000	3	*nan*	$2.360 \cdot 10^{+02}$	$1.349 \cdot 10^{+02}$	$1.683 \cdot 10^{+00}$	3	5.673077	31	1	$1.753 \cdot 10^{+00}$
drpm	0.100000	0.900000	4	*nan*	$-1.612 \cdot 10^{+02}$	$2.167 \cdot 10^{+02}$	$1.711 \cdot 10^{+00}$	1	8.980769	33	1	$1.541 \cdot 10^{+00}$
drpm	1.000000	0.000000	3	*nan*	$5.401 \cdot 10^{+02}$	$1.229 \cdot 10^{+02}$	$1.686 \cdot 10^{+00}$	0	5.923077	13	2	$1.621 \cdot 10^{+00}$
drpm	1.000000	0.000000	4	*nan*	$3.485 \cdot 10^{+02}$	$2.057 \cdot 10^{+02}$	$1.692 \cdot 10^{+00}$	0	9.192308	7	2	$1.541 \cdot 10^{+00}$
drpm	1.000000	0.100000	3	*nan*	$-2.736 \cdot 10^{+02}$	$1.573 \cdot 10^{+02}$	$1.681 \cdot 10^{+00}$	0	6.807692	21	2	$1.541 \cdot 10^{+00}$
drpm	1.000000	0.100000	4	*nan*	$1.210 \cdot 10^{+04}$	$3.018 \cdot 10^{+02}$	$1.703 \cdot 10^{+00}$	0	12.884615	6	2	$1.679 \cdot 10^{+00}$
drpm	1.000000	0.250000	3	*nan*	$-6.314 \cdot 10^{+01}$	$1.492 \cdot 10^{+02}$	$1.696 \cdot 10^{+00}$	1	6.692308	25	1	$1.621 \cdot 10^{+00}$
drpm	1.000000	0.250000	4	*nan*	$1.908 \cdot 10^{+03}$	$2.531 \cdot 10^{+02}$	$1.702 \cdot 10^{+00}$	0	11.250000	6	2	$1.541 \cdot 10^{+00}$
drpm	1.000000	0.500000	3	*nan*	$-2.245 \cdot 10^{+02}$	$1.330 \cdot 10^{+02}$	$1.690 \cdot 10^{+00}$	1	6.000000	12	1	$1.651 \cdot 10^{+00}$
drpm	1.000000	0.500000	4	*nan*	$7.391 \cdot 10^{+02}$	$2.071 \cdot 10^{+02}$	$1.698 \cdot 10^{+00}$	0	9.269231	10	2	$1.495 \cdot 10^{+00}$
drpm	1.000000	0.750000	3	*nan*	$-3.912 \cdot 10^{+02}$	$1.264 \cdot 10^{+02}$	$1.704 \cdot 10^{+00}$	1	5.942308	16	1	$1.679 \cdot 10^{+00}$
drpm	1.000000	0.750000	4	*nan*	$5.026 \cdot 10^{+03}$	$2.748 \cdot 10^{+02}$	$1.701 \cdot 10^{+00}$	0	12.192308	6	2	$1.495 \cdot 10^{+00}$
drpm	1.000000	0.900000	3	*nan*	$1.369 \cdot 10^{+03}$	$1.445 \cdot 10^{+02}$	$1.706 \cdot 10^{+00}$	2	6.557692	21	1	$1.679 \cdot 10^{+00}$
drpm	1.000000	0.900000	4	*nan*	$3.359 \cdot 10^{+03}$	$2.249 \cdot 10^{+02}$	$1.699 \cdot 10^{+00}$	0	10.115385	18	2	$1.495 \cdot 10^{+00}$
drpm	10.000000	0.000000	3	*nan*	$3.861 \cdot 10^{+03}$	$2.763 \cdot 10^{+02}$	$1.714 \cdot 10^{+00}$	0	11.269231	6	2	$1.495 \cdot 10^{+00}$
drpm	10.000000	0.000000	4	*nan*	$6.664 \cdot 10^{+02}$	$2.185 \cdot 10^{+02}$	$1.696 \cdot 10^{+00}$	5	10.442308	27	1	$1.499 \cdot 10^{+00}$
drpm	10.000000	0.100000	3	*nan*	$2.059 \cdot 10^{+03}$	$2.659 \cdot 10^{+02}$	$1.731 \cdot 10^{+00}$	0	10.884615	6	2	$1.621 \cdot 10^{+00}$
drpm	10.000000	0.100000	4	*nan*	$4.610 \cdot 10^{+02}$	$2.190 \cdot 10^{+02}$	$1.695 \cdot 10^{+00}$	1	10.250000	9	1	$1.499 \cdot 10^{+00}$
drpm	10.000000	0.250000	3	*nan*	$1.663 \cdot 10^{+02}$	$2.059 \cdot 10^{+02}$	$1.711 \cdot 10^{+00}$	0	9.000000	6	2	$1.679 \cdot 10^{+00}$
drpm	10.000000	0.250000	4	*nan*	$1.740 \cdot 10^{+03}$	$2.321 \cdot 10^{+02}$	$1.708 \cdot 10^{+00}$	0	11.173077	4	2	$1.679 \cdot 10^{+00}$
drpm	10.000000	0.500000	3	*nan*	$1.586 \cdot 10^{+04}$	$4.077 \cdot 10^{+02}$	$1.702 \cdot 10^{+00}$	0	14.653846	6	2	$1.495 \cdot 10^{+00}$
drpm	10.000000	0.500000	4	*nan*	$7.133 \cdot 10^{+04}$	$2.937 \cdot 10^{+02}$	$1.704 \cdot 10^{+00}$	0	12.923077	4	2	$1.495 \cdot 10^{+00}$
drpm	10.000000	0.750000	3	*nan*	$8.571 \cdot 10^{+03}$	$3.429 \cdot 10^{+02}$	$1.717 \cdot 10^{+00}$	0	12.807692	8	2	$1.621 \cdot 10^{+00}$
drpm	10.000000	0.750000	4	*nan*	$8.619 \cdot 10^{+02}$	$2.130 \cdot 10^{+02}$	$1.697 \cdot 10^{+00}$	5	10.480769	27	1	$1.679 \cdot 10^{+00}$
drpm	10.000000	0.900000	3	*nan*	$3.285 \cdot 10^{+02}$	$2.334 \cdot 10^{+02}$	$1.708 \cdot 10^{+00}$	0	9.865385	6	2	$1.621 \cdot 10^{+00}$
drpm	10.000000	0.900000	4	*nan*	$4.820 \cdot 10^{+02}$	$2.169 \cdot 10^{+02}$	$1.691 \cdot 10^{+00}$	0	10.096154	6	2	$1.679 \cdot 10^{+00}$
drpm	100.000000	0.000000	3	*nan*	$3.567 \cdot 10^{+02}$	$2.053 \cdot 10^{+02}$	$1.692 \cdot 10^{+00}$	0	9.807692	6	2	$1.478 \cdot 10^{+00}$
drpm	100.000000	0.000000	4	*nan*	$1.557 \cdot 10^{+03}$	$1.729 \cdot 10^{+02}$	$1.689 \cdot 10^{+00}$	0	10.730769	4	2	$1.478 \cdot 10^{+00}$
drpm	100.000000	0.100000	3	*nan*	$-1.047 \cdot 10^{+02}$	$1.597 \cdot 10^{+02}$	$1.706 \cdot 10^{+00}$	2	8.192308	14	1	$1.478 \cdot 10^{+00}$
drpm	100.000000	0.100000	4	*nan*	$1.333 \cdot 10^{+03}$	$1.721 \cdot 10^{+02}$	$1.689 \cdot 10^{+00}$	0	10.461538	6	2	$1.495 \cdot 10^{+00}$
drpm	100.000000	0.250000	3	*nan*	$-1.661 \cdot 10^{+02}$	$1.473 \cdot 10^{+02}$	$1.700 \cdot 10^{+00}$	0	7.692308	6	2	$1.679 \cdot 10^{+00}$
drpm	100.000000	0.250000	4	*nan*	$1.144 \cdot 10^{+03}$	$1.599 \cdot 10^{+02}$	$1.690 \cdot 10^{+00}$	0	10.346154	5	2	$1.679 \cdot 10^{+00}$
drpm	100.000000	0.500000	3	*nan*	$-1.209 \cdot 10^{+02}$	$1.600 \cdot 10^{+02}$	$1.705 \cdot 10^{+00}$	4	8.211538	22	1	$1.679 \cdot 10^{+00}$
drpm	100.000000	0.500000	4	*nan*	$3.474 \cdot 10^{+04}$	$2.268 \cdot 10^{+02}$	$1.706 \cdot 10^{+00}$	0	11.942308	4	2	$1.495 \cdot 10^{+00}$
drpm	100.000000	0.750000	3	*nan*	$8.965 \cdot 10^{+01}$	$1.578 \cdot 10^{+02}$	$1.703 \cdot 10^{+00}$	2	8.019231	25	1	$1.541 \cdot 10^{+00}$
drpm	100.000000	0.750000	4	*nan*	$4.219 \cdot 10^{+03}$	$1.740 \cdot 10^{+02}$	$1.693 \cdot 10^{+00}$	0	10.769231	4	2	$1.478 \cdot 10^{+00}$
drpm	100.000000	0.900000	3	*nan*	$3.636 \cdot 10^{+04}$	$4.140 \cdot 10^{+02}$	$1.711 \cdot 10^{+00}$	0	15.000000	6	2	$1.679 \cdot 10^{+00}$
drpm	100.000000	0.900000	4	*nan*	$9.101 \cdot 10^{+02}$	$1.610 \cdot 10^{+02}$	$\mathbf{1.676 \cdot 10^{+00}}$	0	10.269231	4	2	$\mathbf{1.277 \cdot 10^{+00}}$

Table 6: DRPM Model for different hyperparameter configurations with the following prior values: $m_0 = 2.91$, $s_0^2 = 200.0$, $A_\sigma = 0.1$, $A_\tau = 1.0$, $A_\lambda = 1.0$, $b = 1.0$, $a_\alpha = 1.0$, $b_\alpha = 1.0$.

Model	M	starting-alpha	SpatialCohesion	lpml	waic	time	mse	n-singletons	n-clusters	max-cluster-size	min-cluster-size	max-pm25-diff
drpm	0.100000	0.000000	3	*nan*	$2.042 \cdot 10^{+02}$	$1.200 \cdot 10^{+02}$	$1.697 \cdot 10^{+00}$	0	5.211538	16	3	$1.679 \cdot 10^{+00}$
drpm	0.100000	0.000000	4	*nan*	$\mathbf{-5.403 \cdot 10^{+02}}$	$2.536 \cdot 10^{+02}$	$1.708 \cdot 10^{+00}$	0	10.038462	6	2	$1.541 \cdot 10^{+00}$
drpm	0.100000	0.100000	3	*nan*	$1.539 \cdot 10^{+02}$	$1.458 \cdot 10^{+02}$	$1.703 \cdot 10^{+00}$	0	6.115385	10	4	$1.753 \cdot 10^{+00}$
drpm	0.100000	0.100000	4	*nan*	$-4.078 \cdot 10^{+02}$	$2.056 \cdot 10^{+02}$	$1.694 \cdot 10^{+00}$	1	8.403846	8	1	$1.679 \cdot 10^{+00}$
drpm	0.100000	0.250000	3	*nan*	$4.698 \cdot 10^{+02}$	$\mathbf{1.167 \cdot 10^{+02}}$	$1.699 \cdot 10^{+00}$	0	5.230769	26	2	$1.621 \cdot 10^{+00}$
drpm	0.100000	0.250000	4	*nan*	$2.011 \cdot 10^{+03}$	$3.255 \cdot 10^{+02}$	$1.714 \cdot 10^{+00}$	0	12.442308	6	2	$1.541 \cdot 10^{+00}$
drpm	0.100000	0.500000	3	*nan*	$1.775 \cdot 10^{+02}$	$1.430 \cdot 10^{+02}$	$\mathbf{1.678 \cdot 10^{+00}}$	0	6.057692	10	4	$1.621 \cdot 10^{+00}$
drpm	0.100000	0.500000	4	*nan*	$1.026 \cdot 10^{+04}$	$4.347 \cdot 10^{+02}$	$1.702 \cdot 10^{+00}$	0	15.500000	6	2	$1.478 \cdot 10^{+00}$
drpm	0.100000	0.750000	3	*nan*	$2.282 \cdot 10^{+03}$	$2.231 \cdot 10^{+02}$	$1.702 \cdot 10^{+00}$	0	8.403846	12	2	$1.651 \cdot 10^{+00}$
drpm	0.100000	0.750000	4	*nan*	$1.025 \cdot 10^{+05}$	$5.313 \cdot 10^{+02}$	$1.702 \cdot 10^{+00}$	6	17.057692	6	1	$1.495 \cdot 10^{+00}$
drpm	0.100000	0.900000	3	$-5.085 \cdot 10^{+03}$	$1.269 \cdot 10^{+02}$	$1.383 \cdot 10^{+02}$	$1.689 \cdot 10^{+00}$	0	5.826923	27	2	$1.651 \cdot 10^{+00}$
drpm	0.100000	0.900000	4	**inf**	$1.506 \cdot 10^{+06}$	$7.453 \cdot 10^{+02}$	$1.705 \cdot 10^{+00}$	14	21.480769	6	1	$1.495 \cdot 10^{+00}$
drpm	1.000000	0.000000	3	*nan*	$-1.318 \cdot 10^{+02}$	$1.621 \cdot 10^{+02}$	$1.691 \cdot 10^{+00}$	0	7.192308	13	3	$1.541 \cdot 10^{+00}$
drpm	1.000000	0.000000	4	*nan*	$2.158 \cdot 10^{+02}$	$2.146 \cdot 10^{+02}$	$1.698 \cdot 10^{+00}$	0	9.692308	21	2	$1.495 \cdot 10^{+00}$
drpm	1.000000	0.100000	3	*nan*	$-7.976 \cdot 10^{+01}$	$1.298 \cdot 10^{+02}$	$1.692 \cdot 10^{+00}$	0	6.038462	12	3	$1.541 \cdot 10^{+00}$
drpm	1.000000	0.100000	4	*nan*	$3.945 \cdot 10^{+02}$	$2.063 \cdot 10^{+02}$	$1.695 \cdot 10^{+00}$	2	9.134615	10	1	$1.679 \cdot 10^{+00}$
drpm	1.000000	0.250000	3	*nan*	$-2.985 \cdot 10^{+02}$	$1.688 \cdot 10^{+02}$	$1.708 \cdot 10^{+00}$	0	7.326923	10	3	$1.621 \cdot 10^{+00}$
drpm	1.000000	0.250000	4	*nan*	$5.035 \cdot 10^{+03}$	$2.735 \cdot 10^{+02}$	$1.703 \cdot 10^{+00}$	0	12.038462	6	2	$1.478 \cdot 10^{+00}$
drpm	1.000000	0.500000	3	*nan*	$-8.115 \cdot 10^{+01}$	$1.337 \cdot 10^{+02}$	$1.697 \cdot 10^{+00}$	1	5.923077	28	1	$1.621 \cdot 10^{+00}$
drpm	1.000000	0.500000	4	*nan*	$1.098 \cdot 10^{+03}$	$2.337 \cdot 10^{+02}$	$1.704 \cdot 10^{+00}$	0	10.461538	6	2	$1.679 \cdot 10^{+00}$
drpm	1.000000	0.750000	3	*nan*	$3.623 \cdot 10^{+03}$	$3.103 \cdot 10^{+02}$	$1.733 \cdot 10^{+00}$	0	11.442308	10	2	$1.679 \cdot 10^{+00}$
drpm	1.000000	0.750000	4	*nan*	$1.845 \cdot 10^{+03}$	$2.356 \cdot 10^{+02}$	$1.712 \cdot 10^{+00}$	0	10.826923	6	2	$1.495 \cdot 10^{+00}$
drpm	1.000000	0.900000	3	*nan*	$1.046 \cdot 10^{+02}$	$2.021 \cdot 10^{+02}$	$1.693 \cdot 10^{+00}$	0	8.461538	8	2	$1.621 \cdot 10^{+00}$
drpm	1.000000	0.900000	4	*nan*	$8.390 \cdot 10^{+02}$	$2.065 \cdot 10^{+02}$	$1.700 \cdot 10^{+00}$	3	9.365385	11	1	$1.679 \cdot 10^{+00}$
drpm	10.000000	0.000000	3	*nan*	$-2.184 \cdot 10^{+02}$	$1.511 \cdot 10^{+02}$	$1.700 \cdot 10^{+00}$	0	7.076923	12	2	$1.679 \cdot 10^{+00}$
drpm	10.000000	0.000000	4	*nan*	$8.927 \cdot 10^{+02}$	$2.130 \cdot 10^{+02}$	$1.694 \cdot 10^{+00}$	0	10.153846	12	2	$1.495 \cdot 10^{+00}$
drpm	10.000000	0.100000	3	*nan*	$3.148 \cdot 10^{+03}$	$2.252 \cdot 10^{+02}$	$1.705 \cdot 10^{+00}$	0	9.711538	6	2	$1.621 \cdot 10^{+00}$
drpm	10.000000	0.100000	4	*nan*	$7.606 \cdot 10^{+02}$	$2.127 \cdot 10^{+02}$	$1.692 \cdot 10^{+00}$	0	10.057692	12	2	$1.495 \cdot 10^{+00}$
drpm	10.000000	0.250000	3	*nan*	$8.539 \cdot 10^{+02}$	$2.464 \cdot 10^{+02}$	$1.694 \cdot 10^{+00}$	0	10.000000	6	2	$1.478 \cdot 10^{+00}$
drpm	10.000000	0.250000	4	*nan*	$6.605 \cdot 10^{+02}$	$2.141 \cdot 10^{+02}$	$1.701 \cdot 10^{+00}$	2	10.326923	32	1	$1.495 \cdot 10^{+00}$
drpm	10.000000	0.500000	3	*nan*	$-1.093 \cdot 10^{+01}$	$1.476 \cdot 10^{+02}$	$1.696 \cdot 10^{+00}$	0	7.019231	11	3	$1.621 \cdot 10^{+00}$
drpm	10.000000	0.500000	4	*nan*	$1.274 \cdot 10^{+03}$	$2.252 \cdot 10^{+02}$	$1.705 \cdot 10^{+00}$	0	10.923077	5	2	$1.495 \cdot 10^{+00}$
drpm	10.000000	0.750000	3	*nan*	$-4.311 \cdot 10^{+02}$	$1.509 \cdot 10^{+02}$	$1.692 \cdot 10^{+00}$	0	7.153846	8	2	$1.679 \cdot 10^{+00}$
drpm	10.000000	0.750000	4	*nan*	$3.707 \cdot 10^{+03}$	$2.248 \cdot 10^{+02}$	$1.707 \cdot 10^{+00}$	0	10.980769	4	2	$1.478 \cdot 10^{+00}$
drpm	10.000000	0.900000	3	*nan*	$1.279 \cdot 10^{+03}$	$2.621 \cdot 10^{+02}$	$1.709 \cdot 10^{+00}$	0	10.692308	6	2	$1.541 \cdot 10^{+00}$
drpm	10.000000	0.900000	4	*nan*	$5.950 \cdot 10^{+03}$	$2.285 \cdot 10^{+02}$	$1.702 \cdot 10^{+00}$	0	11.423077	6	2	$1.478 \cdot 10^{+00}$
drpm	100.000000	0.000000	3	*nan*	$-2.753 \cdot 10^{+02}$	$1.627 \cdot 10^{+02}$	$1.700 \cdot 10^{+00}$	0	8.269231	21	2	$1.478 \cdot 10^{+00}$
drpm	100.000000	0.000000	4	*nan*	$1.196 \cdot 10^{+04}$	$1.971 \cdot 10^{+02}$	$1.692 \cdot 10^{+00}$	0	11.365385	8	2	$1.541 \cdot 10^{+00}$
drpm	100.000000	0.100000	3	*nan*	$3.094 \cdot 10^{+03}$	$2.474 \cdot 10^{+02}$	$1.701 \cdot 10^{+00}$	0	11.057692	6	2	$1.621 \cdot 10^{+00}$
drpm	100.000000	0.100000	4	*nan*	$1.142 \cdot 10^{+03}$	$1.631 \cdot 10^{+02}$	$1.688 \cdot 10^{+00}$	0	10.461538	4	2	$\mathbf{1.290 \cdot 10^{+00}}$
drpm	100.000000	0.250000	3	*nan*	$1.019 \cdot 10^{+04}$	$3.074 \cdot 10^{+02}$	$1.705 \cdot 10^{+00}$	0	12.750000	6	2	$1.495 \cdot 10^{+00}$
drpm	100.000000	0.250000	4	*nan*	$2.273 \cdot 10^{+03}$	$1.605 \cdot 10^{+02}$	$1.708 \cdot 10^{+00}$	0	10.326923	4	2	$1.478 \cdot 10^{+00}$
drpm	100.000000	0.500000	3	*nan*	$-1.477 \cdot 10^{+02}$	$1.535 \cdot 10^{+02}$	$1.702 \cdot 10^{+00}$	0	7.942308	10	2	$1.495 \cdot 10^{+00}$
drpm	100.000000	0.500000	4	*nan*	$5.234 \cdot 10^{+03}$	$1.779 \cdot 10^{+02}$	$1.716 \cdot 10^{+00}$	0	10.750000	6	2	$1.495 \cdot 10^{+00}$
drpm	100.000000	0.750000	3	*nan*	$1.039 \cdot 10^{+04}$	$3.164 \cdot 10^{+02}$	$1.717 \cdot 10^{+00}$	0	12.923077	6	2	$1.478 \cdot 10^{+00}$
drpm	100.000000	0.750000	4	*nan*	$6.149 \cdot 10^{+03}$	$1.788 \cdot 10^{+02}$	$1.688 \cdot 10^{+00}$	0	11.000000	5	2	$1.478 \cdot 10^{+00}$
drpm	100.000000	0.900000	3	*nan*	$4.465 \cdot 10^{+02}$	$1.563 \cdot 10^{+02}$	$1.699 \cdot 10^{+00}$	0	8.019231	11	2	$1.478 \cdot 10^{+00}$
drpm	100.000000	0.900000	4	*nan*	$1.820 \cdot 10^{+03}$	$1.601 \cdot 10^{+02}$	$1.692 \cdot 10^{+00}$	0	10.346154	5	2	$\mathbf{1.290 \cdot 10^{+00}}$