

0

	Tree	BG	(3)	B(3)	(5)	B(5)	(10)	B(10)	(20)	B(20)
abalone16_29	0.95	<b>0.99</b>	1.0	1.0	0.97	<b>0.99</b>	0.95	<b>0.99</b>	0.95	<b>0.99</b>
balance_scale	0.92	1.0	1.0	1.0	0.97	1.0	0.92	1.0	0.92	1.0
breast_cancer	0.75	<b>0.86</b>	0.94	0.91	0.84	<b>0.87</b>	0.75	<b>0.86</b>	0.75	<b>0.86</b>
car	0.68	0.68	0.76	0.76	0.68	0.68	0.68	0.68	0.68	0.68
cmc	0.78	<b>0.92</b>	0.94	0.98	0.84	<b>0.94</b>	0.78	<b>0.92</b>	0.78	<b>0.92</b>
ecoli	0.91	<b>0.94</b>	0.95	0.95	0.91	<b>0.94</b>	0.91	<b>0.94</b>	0.91	<b>0.94</b>
glass	0.76	0.98	0.9	0.98	0.77	0.98	0.76	0.98	0.76	0.98
haberman	0.74	<b>0.87</b>	0.88	0.92	0.92	0.89	0.79	<b>0.87</b>	0.74	<b>0.87</b>
heart_cleveland	0.87	<b>0.98</b>	0.97	1.0	0.88	<b>0.97</b>	0.87	<b>0.98</b>	0.87	<b>0.98</b>
hepatitis	0.67	<b>0.79</b>	0.67	0.81	0.71	<b>0.79</b>	0.67	<b>0.79</b>	0.67	<b>0.79</b>
new_thyroid	0.98	0.99	0.98	0.99	0.98	0.99	0.98	0.99	0.98	0.99
postoperative	0.8	<b>0.86</b>	0.92	0.94	0.85	<b>0.86</b>	0.85	<b>0.86</b>	0.85	<b>0.86</b>
solar_flare	0.97	<b>0.98</b>	0.99	0.99	0.97	<b>0.98</b>	0.97	<b>0.98</b>	0.97	<b>0.98</b>
transfusion	0.8	<b>0.86</b>	0.99	0.96	0.83	<b>0.86</b>	0.8	<b>0.86</b>	0.8	<b>0.86</b>
vehicle	0.96	<b>0.97</b>	0.99	0.99	0.96	<b>0.97</b>	0.96	<b>0.97</b>	0.96	<b>0.97</b>
yeastME3	0.95	0.97	0.97	0.97	0.96	0.97	0.95	0.97	0.95	0.97
bupa	0.67	<b>0.83</b>	0.9	0.88	0.71	<b>0.81</b>	0.67	<b>0.83</b>	0.67	<b>0.83</b>
german	0.76	<b>0.9</b>	0.88	0.96	0.85	<b>0.9</b>	0.76	<b>0.9</b>	0.76	<b>0.9</b>
horse_colic	0.83	<b>0.92</b>	0.93	0.92	0.84	<b>0.92</b>	0.83	<b>0.92</b>	0.83	<b>0.92</b>
ionosphere	0.89	0.96	0.92	0.95	0.89	0.96	0.89	0.96	0.89	0.96
seeds	0.93	0.94	0.93	0.94	0.93	0.94	0.93	0.94	0.93	0.94
vertebal	0.71	0.72	0.71	0.71	0.71	0.72	0.71	0.72	0.71	0.72

	Tree	BG	(3)	B(3)	(5)	B(5)	(10)	B(10)	(20)	B(20)
abalone16_29	<b>0.32</b>	0.14	<b>0.05</b>	0.03	<b>0.23</b>	0.11	<b>0.31</b>	0.15	<b>0.32</b>	0.14
balance_scale	<b>0.02</b>	0.0	0.0	0.0	<b>0.02</b>	0.0	<b>0.02</b>	0.0	<b>0.02</b>	0.0
breast_cancer	<b>0.41</b>	0.36	0.29	<b>0.32</b>	0.31	<b>0.38</b>	<b>0.41</b>	0.36	<b>0.41</b>	0.36
car	<b>0.46</b>	0.46	0.32	0.32	0.45	<b>0.46</b>	<b>0.46</b>	0.46	<b>0.46</b>	0.46
cmc	<b>0.37</b>	0.25	<b>0.17</b>	0.06	<b>0.27</b>	0.23	<b>0.38</b>	0.25	<b>0.37</b>	0.25
ecoli	<b>0.63</b>	0.51	0.46	<b>0.49</b>	<b>0.66</b>	0.51	<b>0.63</b>	0.51	<b>0.63</b>	0.51
glass	<b>0.12</b>	0.0	0.0	0.0	<b>0.12</b>	0.0	<b>0.12</b>	0.0	<b>0.12</b>	0.0
haberman	<b>0.32</b>	0.3	<b>0.37</b>	0.26	0.19	<b>0.26</b>	0.28	<b>0.3</b>	<b>0.32</b>	0.3
heart_cleveland	<b>0.2</b>	0.06	0.03	0.03	<b>0.2</b>	0.06	<b>0.2</b>	0.06	<b>0.2</b>	0.06
hepatitis	<b>0.59</b>	0.47	0.5	0.5	<b>0.56</b>	0.47	<b>0.59</b>	0.47	<b>0.59</b>	0.47
new_thyroid	<b>0.87</b>	0.83	0.83	0.83	<b>0.87</b>	0.83	<b>0.87</b>	0.83	<b>0.87</b>	0.83
postoperative	<b>0.12</b>	0.04	<b>0.04</b>	0.0	<b>0.12</b>	0.0	<b>0.17</b>	0.04	<b>0.17</b>	0.04
solar_flare	0.09	<b>0.12</b>	<b>0.09</b>	0.07	0.09	<b>0.12</b>	0.09	<b>0.12</b>	0.09	<b>0.12</b>
transfusion	0.3	<b>0.34</b>	0.04	<b>0.17</b>	0.32	<b>0.37</b>	0.3	<b>0.34</b>	0.3	<b>0.34</b>
vehicle	<b>0.9</b>	0.9	0.51	<b>0.56</b>	0.87	<b>0.9</b>	<b>0.9</b>	0.9	<b>0.9</b>	0.9
yeastME3	0.72	<b>0.73</b>	<b>0.73</b>	0.72	<b>0.75</b>	0.75	0.71	<b>0.73</b>	0.72	<b>0.73</b>
bupa	<b>0.55</b>	0.52	0.3	<b>0.45</b>	0.52	<b>0.53</b>	<b>0.55</b>	0.52	<b>0.55</b>	0.52
german	<b>0.5</b>	0.47	<b>0.37</b>	0.21	<b>0.46</b>	0.44	<b>0.48</b>	0.47	<b>0.5</b>	0.47
horse_colic	<b>0.79</b>	0.76	0.72	<b>0.76</b>	<b>0.79</b>	0.76	<b>0.79</b>	0.76	<b>0.79</b>	0.76
ionosphere	0.83	<b>0.84</b>	<b>0.84</b>	0.81	<b>0.86</b>	0.84	0.83	<b>0.84</b>	0.83	<b>0.84</b>
seeds	0.84	<b>0.86</b>	<b>0.86</b>	0.86	0.84	<b>0.86</b>	0.84	<b>0.86</b>	0.84	<b>0.86</b>
vertebal	<b>0.75</b>	0.71	0.55	<b>0.75</b>	<b>0.77</b>	0.71	<b>0.75</b>	0.71	<b>0.75</b>	0.71

## 2

	Tree	BG	(3)	B(3)	(5)	B(5)	(10)	B(10)	(20)	B(20)
abalone16_29	<b>0.3</b>	0.21	<b>0.09</b>	0.07	<b>0.28</b>	0.19	<b>0.3</b>	0.22	<b>0.3</b>	0.21
balance_scale	<b>0.02</b>	0.0	0.0	0.0	<b>0.03</b>	0.0	<b>0.02</b>	0.0	<b>0.02</b>	0.0
breast_cancer	0.41	<b>0.43</b>	0.41	0.41	0.36	<b>0.44</b>	0.41	<b>0.43</b>	0.41	<b>0.43</b>
car	0.09	<b>0.1</b>	0.09	0.09	0.09	<b>0.1</b>	0.09	<b>0.1</b>	0.09	<b>0.1</b>
cmc	<b>0.35</b>	0.33	<b>0.24</b>	0.1	0.3	<b>0.32</b>	<b>0.36</b>	0.33	<b>0.35</b>	0.33
ecoli	<b>0.52</b>	0.5	0.48	<b>0.52</b>	<b>0.53</b>	0.5	<b>0.52</b>	0.5	<b>0.52</b>	0.5
glass	<b>0.06</b>	0.0	0.0	0.0	<b>0.06</b>	0.0	<b>0.06</b>	0.0	<b>0.06</b>	0.0
haberman	0.32	<b>0.36</b>	<b>0.43</b>	0.35	0.26	<b>0.33</b>	0.3	<b>0.36</b>	0.32	<b>0.36</b>
heart_cleveland	<b>0.18</b>	0.09	0.05	0.05	<b>0.19</b>	0.09	<b>0.18</b>	0.09	<b>0.18</b>	0.09
hepatitis	<b>0.42</b>	0.41	0.36	<b>0.45</b>	<b>0.42</b>	0.41	<b>0.42</b>	0.41	<b>0.42</b>	0.41
new_thyroid	<b>0.88</b>	0.88	0.86	<b>0.88</b>	<b>0.88</b>	0.88	<b>0.88</b>	0.88	<b>0.88</b>	0.88
postoperative	<b>0.15</b>	0.06	<b>0.07</b>	0.0	<b>0.16</b>	0.0	<b>0.21</b>	0.06	<b>0.21</b>	0.06
solar_flare	0.1	<b>0.14</b>	<b>0.13</b>	0.1	0.11	<b>0.14</b>	0.1	<b>0.14</b>	0.1	<b>0.14</b>
transfusion	0.31	<b>0.38</b>	0.07	<b>0.27</b>	0.35	<b>0.41</b>	0.31	<b>0.38</b>	0.31	<b>0.38</b>
vehicle	0.89	<b>0.91</b>	0.66	<b>0.7</b>	0.87	<b>0.91</b>	0.89	<b>0.91</b>	0.89	<b>0.91</b>
yeastME3	0.68	<b>0.74</b>	0.74	0.74	0.72	<b>0.76</b>	0.67	<b>0.74</b>	0.68	<b>0.74</b>
bupa	0.54	<b>0.59</b>	0.42	<b>0.55</b>	0.54	<b>0.59</b>	0.54	<b>0.59</b>	0.54	<b>0.59</b>
german	0.48	<b>0.55</b>	<b>0.44</b>	0.32	0.51	<b>0.53</b>	0.47	<b>0.55</b>	0.48	<b>0.55</b>
horse_colic	0.76	<b>0.8</b>	0.78	<b>0.8</b>	0.76	<b>0.8</b>	0.76	<b>0.8</b>	0.76	<b>0.8</b>
ionosphere	0.82	<b>0.88</b>	0.84	<b>0.85</b>	0.84	<b>0.88</b>	0.82	<b>0.88</b>	0.82	<b>0.88</b>
seeds	0.85	<b>0.86</b>	<b>0.86</b>	0.86	0.85	<b>0.86</b>	0.85	<b>0.86</b>	0.85	<b>0.86</b>
vertebal	<b>0.64</b>	0.62	0.51	<b>0.64</b>	<b>0.65</b>	0.62	<b>0.64</b>	0.62	<b>0.64</b>	0.62

### 3

	Tree	BG	(3)	B(3)	(5)	B(5)	(10)	B(10)	(20)	B(20)
abalone16_29	<b>0.55</b>	0.37	<b>0.21</b>	0.19	<b>0.47</b>	0.34	<b>0.55</b>	0.38	<b>0.55</b>	0.37
balance_scale	<b>0.14</b>	0.0	0.0	0.0	<b>0.14</b>	0.0	<b>0.14</b>	0.0	<b>0.14</b>	0.0
breast_cancer	0.55	<b>0.56</b>	0.52	<b>0.54</b>	0.51	<b>0.57</b>	0.55	<b>0.56</b>	0.55	<b>0.56</b>
car	<b>0.56</b>	0.56	0.5	0.5	0.55	<b>0.56</b>	<b>0.56</b>	0.56	<b>0.56</b>	0.56
cmc	<b>0.54</b>	0.48	<b>0.4</b>	0.24	<b>0.48</b>	0.46	<b>0.55</b>	0.48	<b>0.54</b>	0.48
ecoli	<b>0.76</b>	0.69	0.66	<b>0.68</b>	<b>0.77</b>	0.69	<b>0.76</b>	0.69	<b>0.76</b>	0.69
glass	<b>0.3</b>	0.0	0.0	0.0	<b>0.3</b>	0.0	<b>0.3</b>	0.0	<b>0.3</b>	0.0
haberman	0.49	<b>0.51</b>	<b>0.57</b>	0.49	0.41	<b>0.48</b>	0.47	<b>0.51</b>	0.49	<b>0.51</b>
heart_cleveland	<b>0.42</b>	0.24	0.17	0.17	<b>0.42</b>	0.24	<b>0.42</b>	0.24	<b>0.42</b>	0.24
hepatitis	<b>0.63</b>	0.61	0.58	<b>0.64</b>	<b>0.63</b>	0.61	<b>0.63</b>	0.61	<b>0.63</b>	0.61
new_thyroid	<b>0.92</b>	0.91	0.91	0.91	<b>0.92</b>	0.91	<b>0.92</b>	0.91	<b>0.92</b>	0.91
postoperative	<b>0.32</b>	0.19	<b>0.2</b>	0.0	<b>0.33</b>	0.0	<b>0.38</b>	0.19	<b>0.38</b>	0.19
solar_flare	0.3	<b>0.34</b>	<b>0.3</b>	0.26	0.3	<b>0.34</b>	0.3	<b>0.34</b>	0.3	<b>0.34</b>
transfusion	0.49	<b>0.54</b>	0.2	<b>0.41</b>	0.52	<b>0.56</b>	0.49	<b>0.54</b>	0.49	<b>0.54</b>
vehicle	0.93	<b>0.94</b>	0.71	<b>0.75</b>	0.92	<b>0.94</b>	0.93	<b>0.94</b>	0.93	<b>0.94</b>
yeastME3	0.83	<b>0.84</b>	0.84	0.84	<b>0.85</b>	0.85	0.82	<b>0.84</b>	0.83	<b>0.84</b>
bupa	0.6	<b>0.66</b>	0.52	<b>0.63</b>	0.61	<b>0.66</b>	0.6	<b>0.66</b>	0.6	<b>0.66</b>
german	0.61	<b>0.65</b>	<b>0.57</b>	0.45	0.62	<b>0.63</b>	0.6	<b>0.65</b>	0.61	<b>0.65</b>
horse_colic	0.81	<b>0.83</b>	0.82	<b>0.83</b>	0.81	<b>0.83</b>	0.81	<b>0.83</b>	0.81	<b>0.83</b>
ionosphere	0.86	<b>0.9</b>	0.88	0.88	0.88	<b>0.9</b>	0.86	<b>0.9</b>	0.86	<b>0.9</b>
seeds	0.88	<b>0.9</b>	0.89	<b>0.9</b>	0.88	<b>0.9</b>	0.88	<b>0.9</b>	0.88	<b>0.9</b>
vertebal	<b>0.73</b>	0.72	0.62	<b>0.73</b>	<b>0.74</b>	0.72	<b>0.73</b>	0.72	<b>0.73</b>	0.72