

Plots of the Burer Heuristic ran on the BQP Library

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July 5, 2023

This pdf contains a collection of the plots generated by the Burer Heuristic ran for the parameter combinations $M \in \{1, 5, 10, 15, 20, 30, 40, 50\}$ and $N \in \{5, 10, 15\}$ on the instance library [Mal23]. The sections and subsections follow the structure provided in the library as of 05.07.2023.

References

- [Mal23] Sven Mallach. Instance library for the maximum cut and the unconstrained binary quadratic optimization problem, 2023.

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1 B

1.1 bqp*n-i*

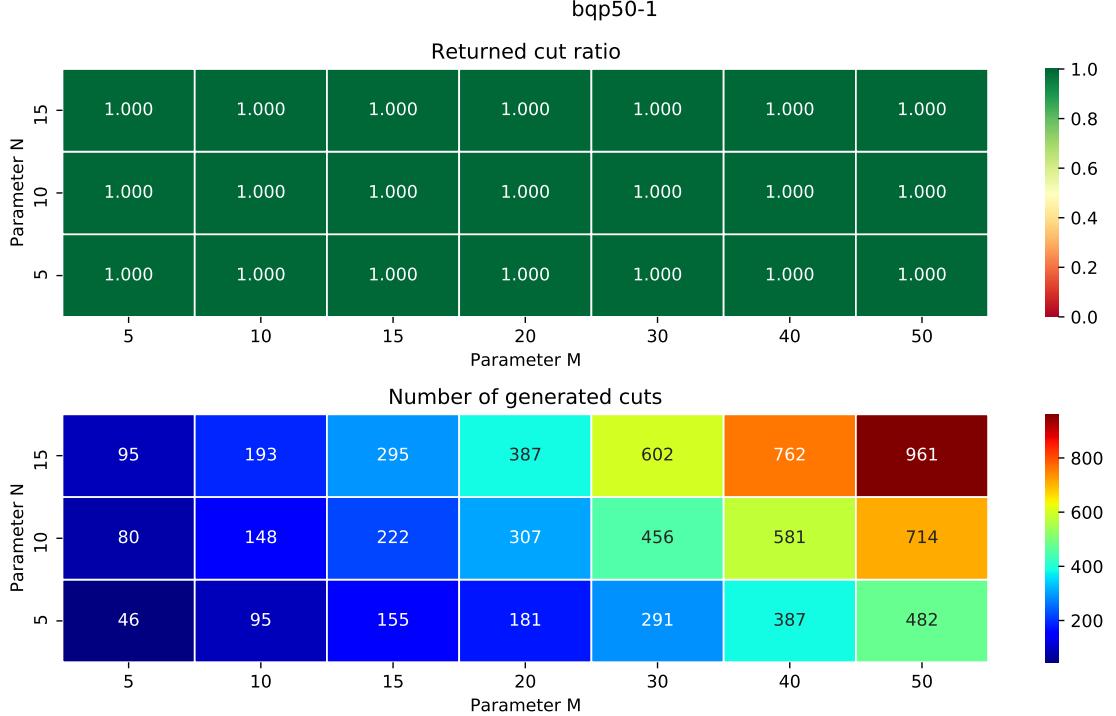


Figure 1: The top plot shows the ratio of returned value and optimal value and the bottom plot shows the number of generated cuts.

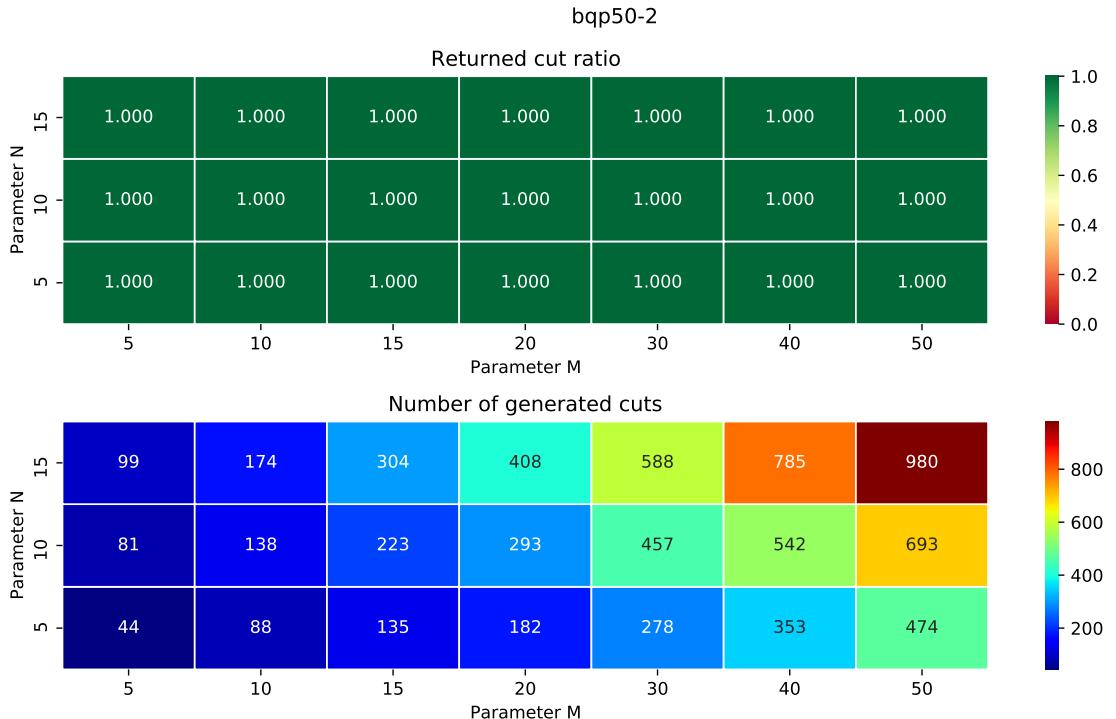


Figure 2: The top plot shows the ratio of returned value and optimal value and the bottom plot shows the number of generated cuts.

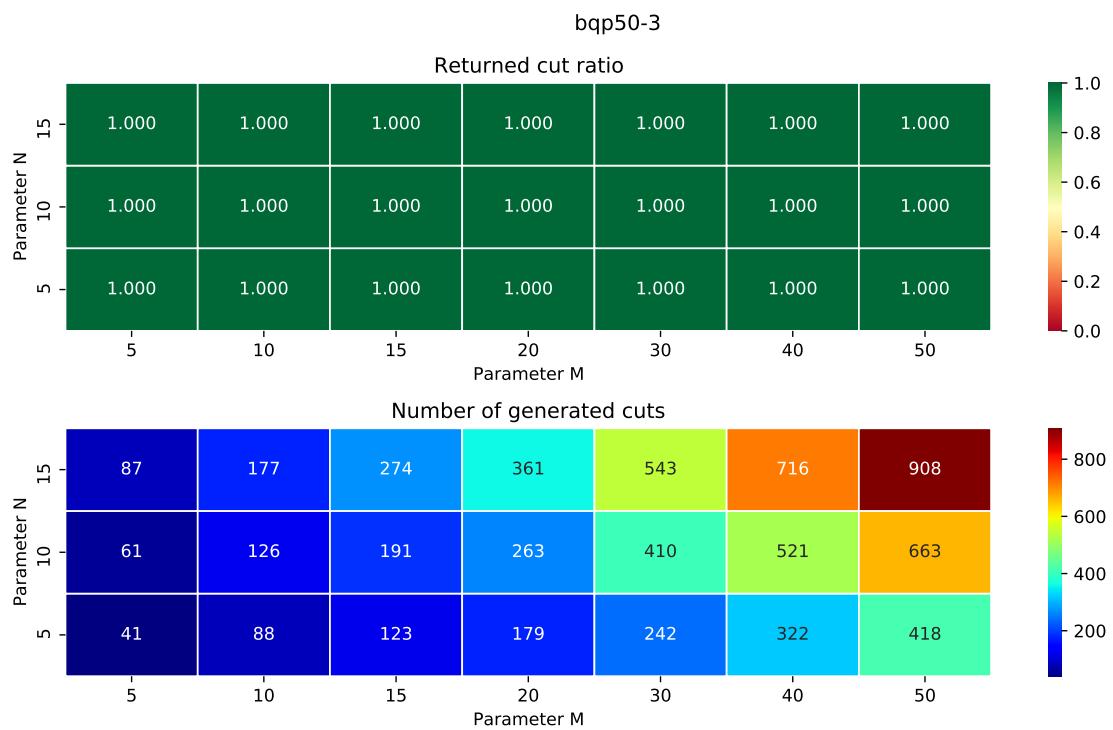


Figure 3: The top plot shows the ratio of returned value and optimal value and the bottom plot shows the number of generated cuts.

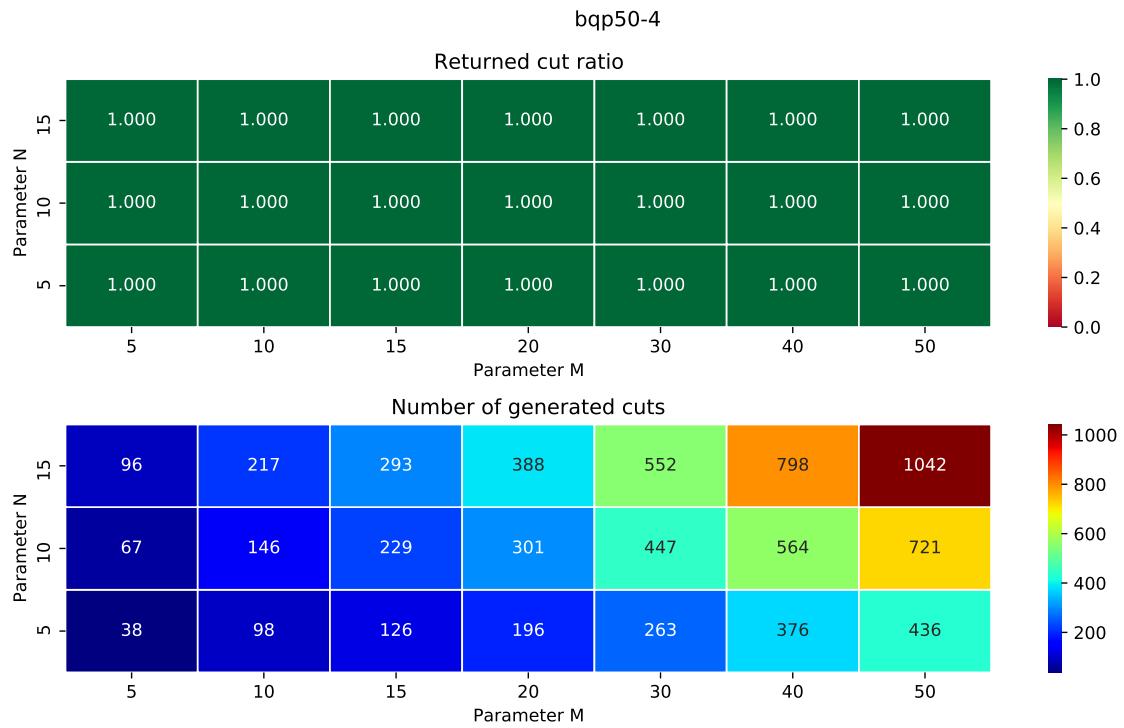


Figure 4: The top plot shows the ratio of returned value and optimal value and the bottom plot shows the number of generated cuts.

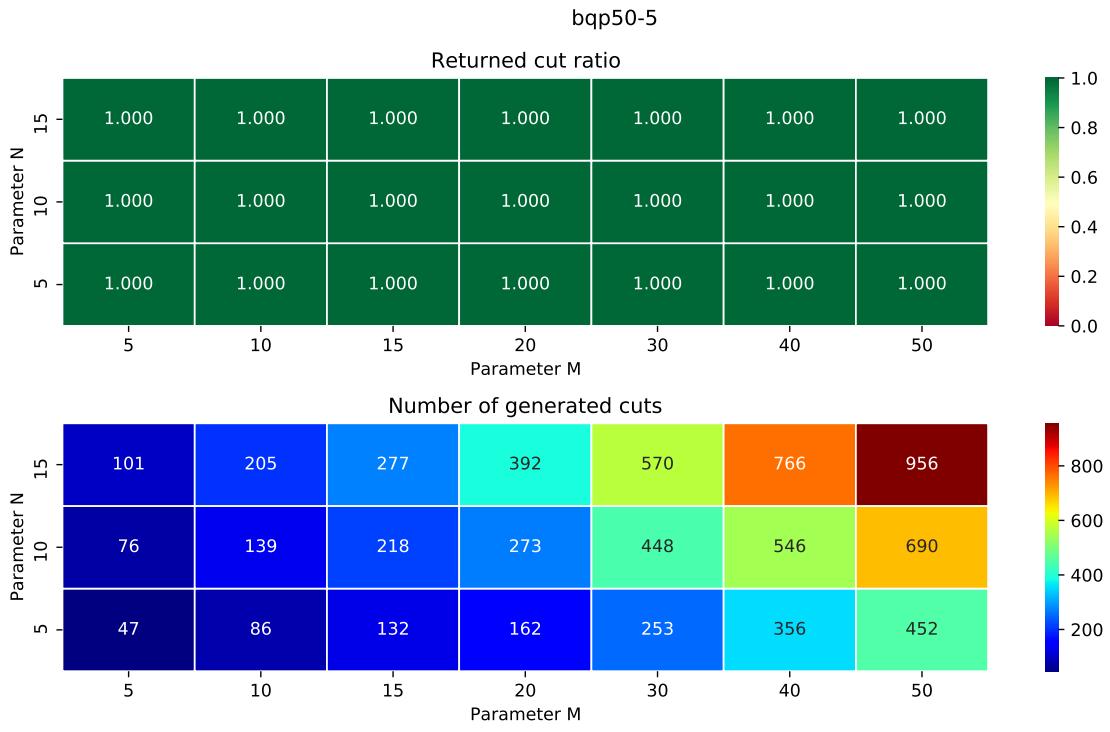


Figure 5: The top plot shows the ratio of returned value and optimal value and the bottom plot shows the number of generated cuts.

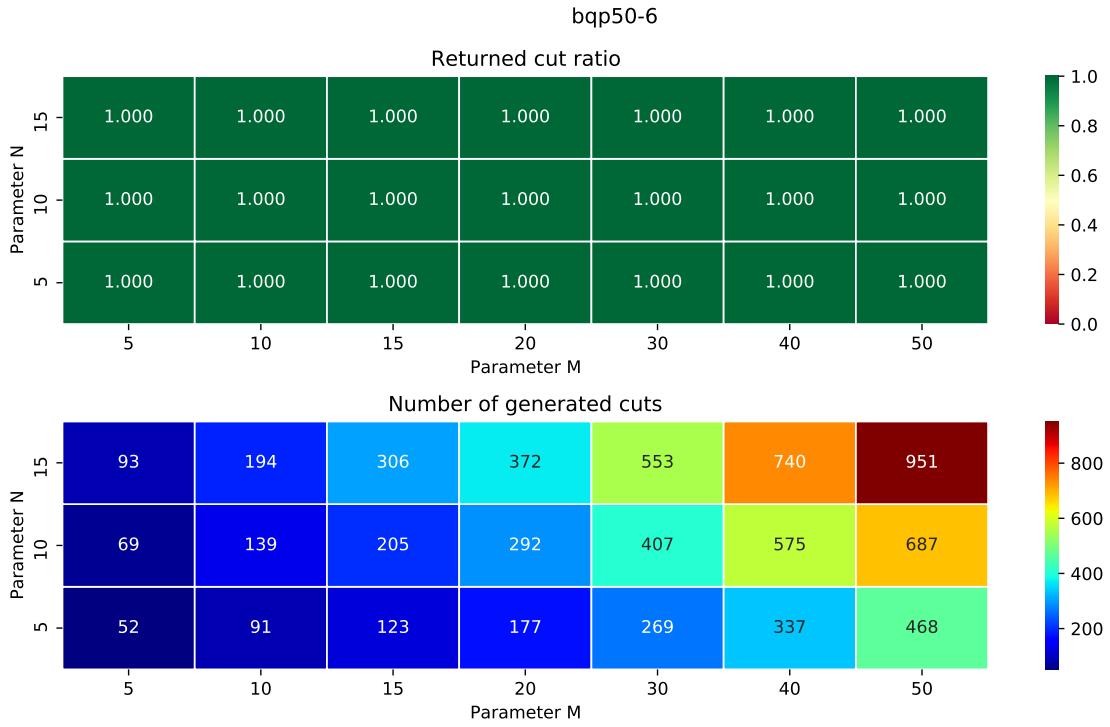


Figure 6: The top plot shows the ratio of returned value and optimal value and the bottom plot shows the number of generated cuts.

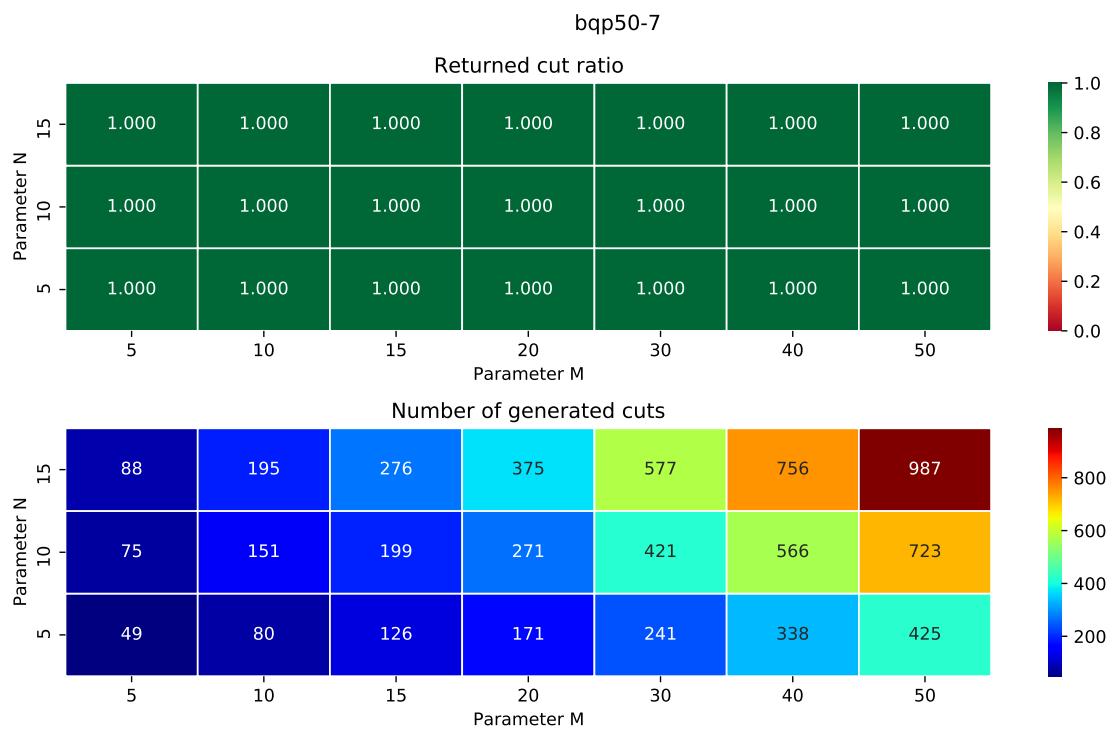


Figure 7: The top plot shows the ratio of returned value and optimal value and the bottom plot shows the number of generated cuts.

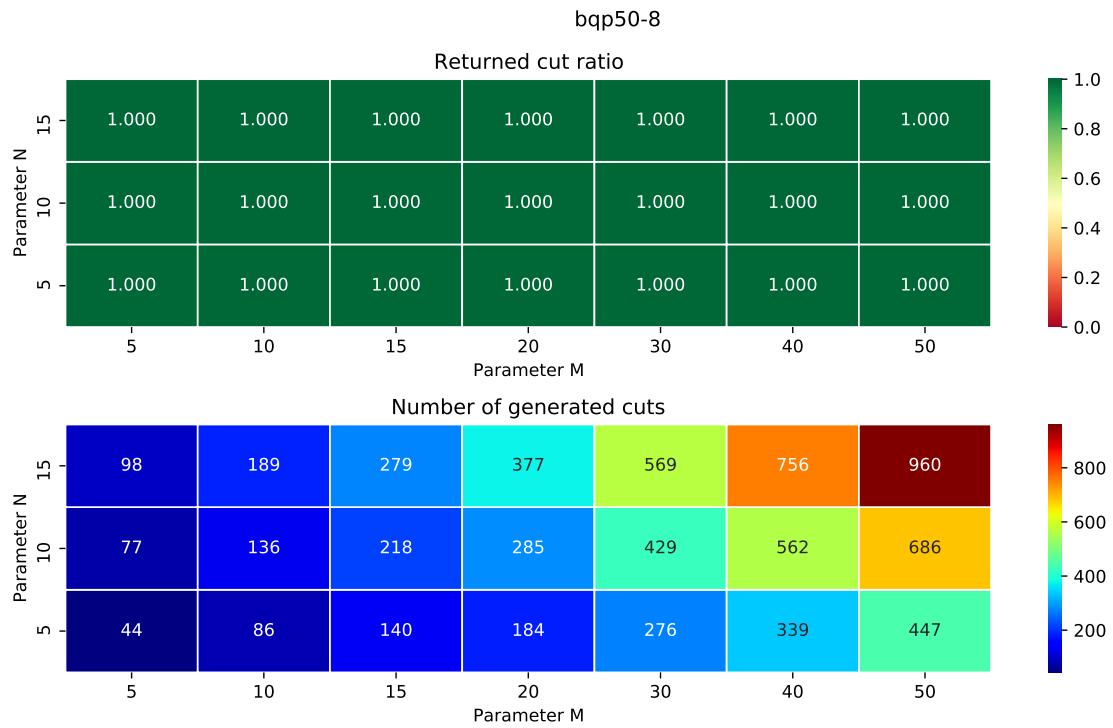


Figure 8: The top plot shows the ratio of returned value and optimal value and the bottom plot shows the number of generated cuts.

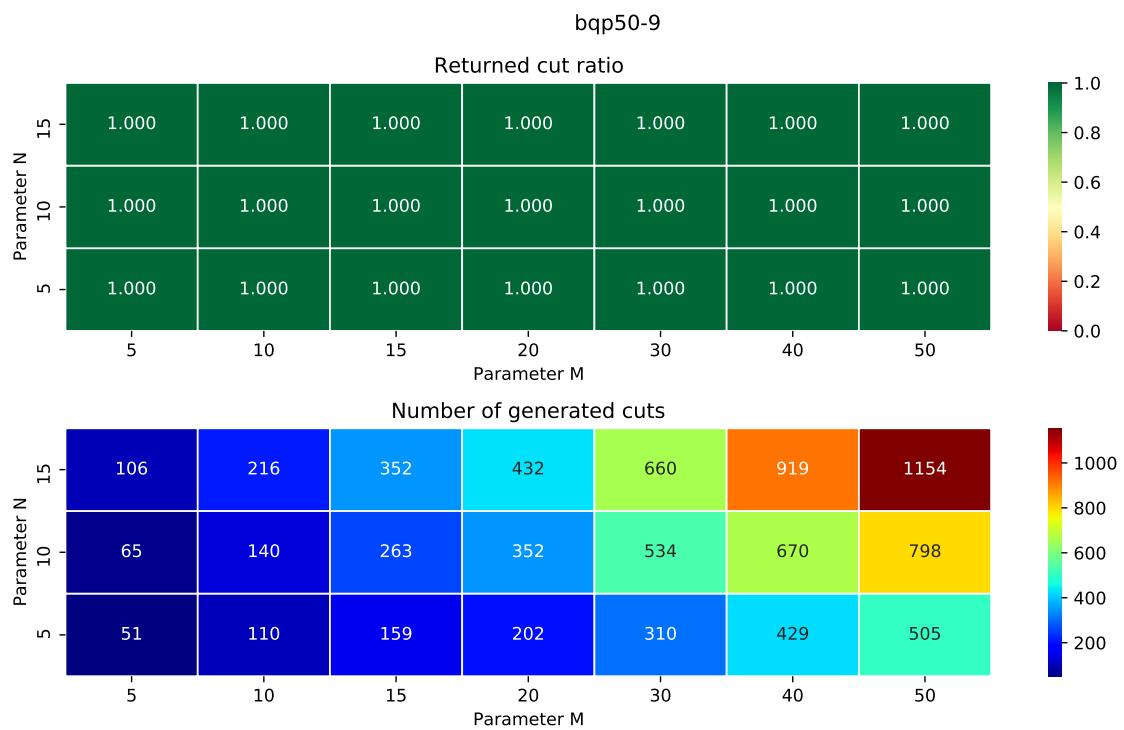


Figure 9: The top plot shows the ratio of returned value and optimal value and the bottom plot shows the number of generated cuts.

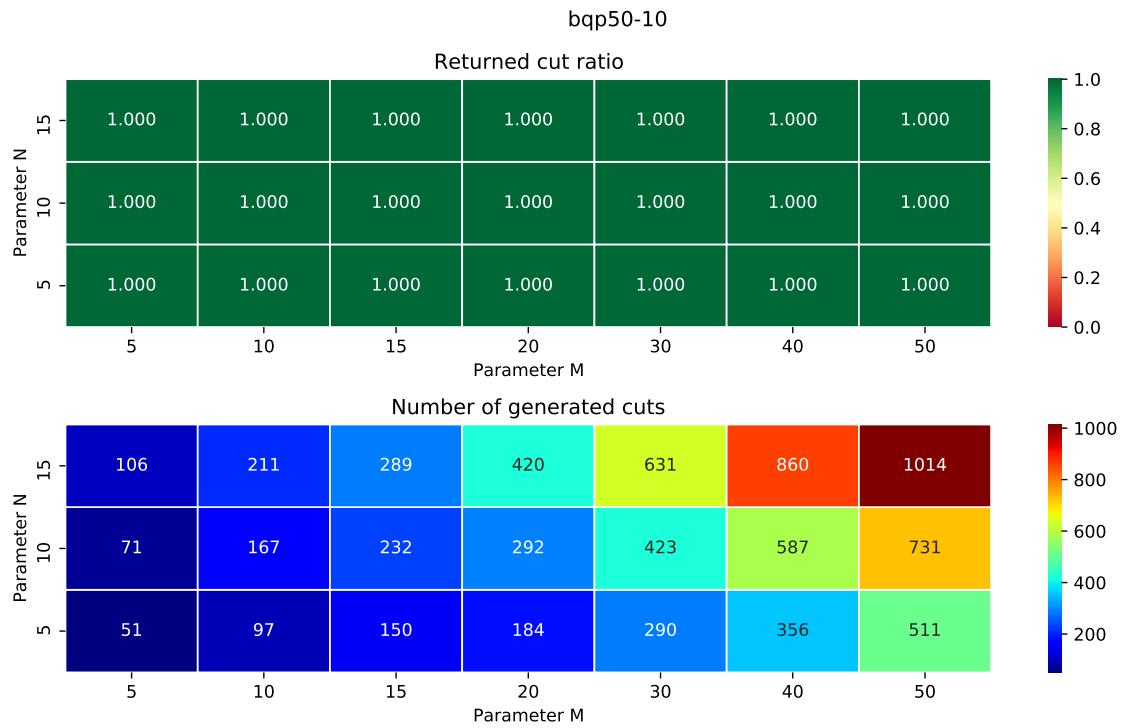


Figure 10: The top plot shows the ratio of returned value and optimal value and the bottom plot shows the number of generated cuts.

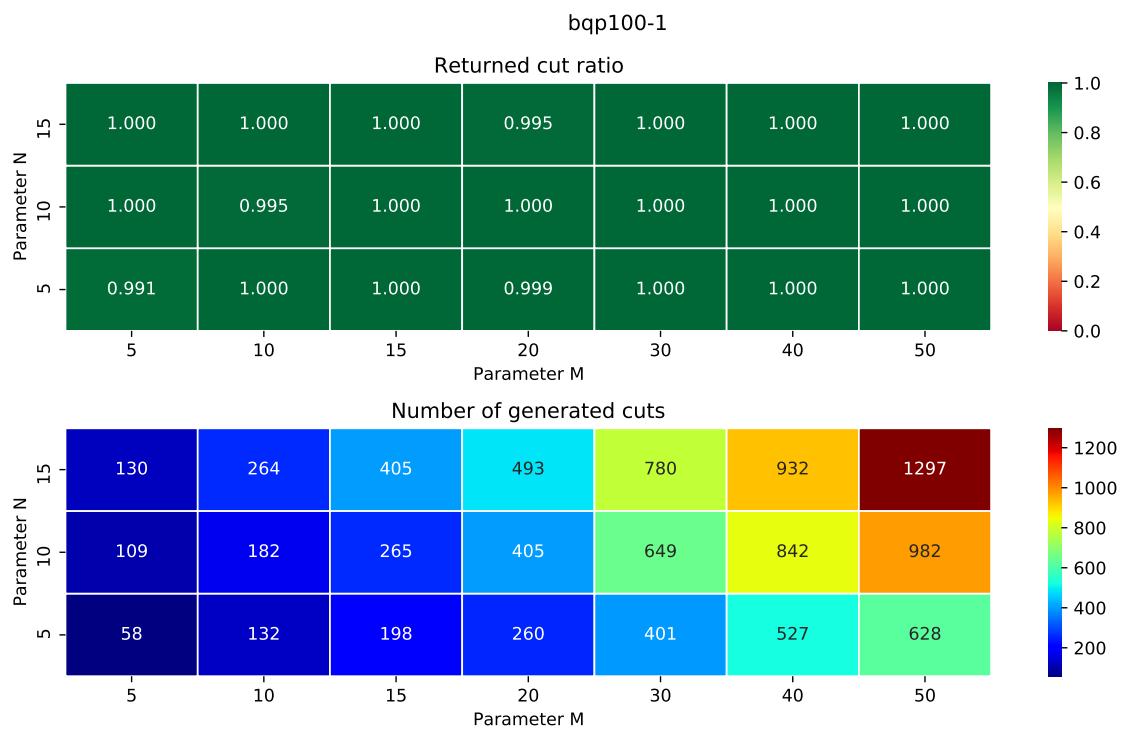


Figure 11: The top plot shows the ratio of returned value and optimal value and the bottom plot shows the number of generated cuts.

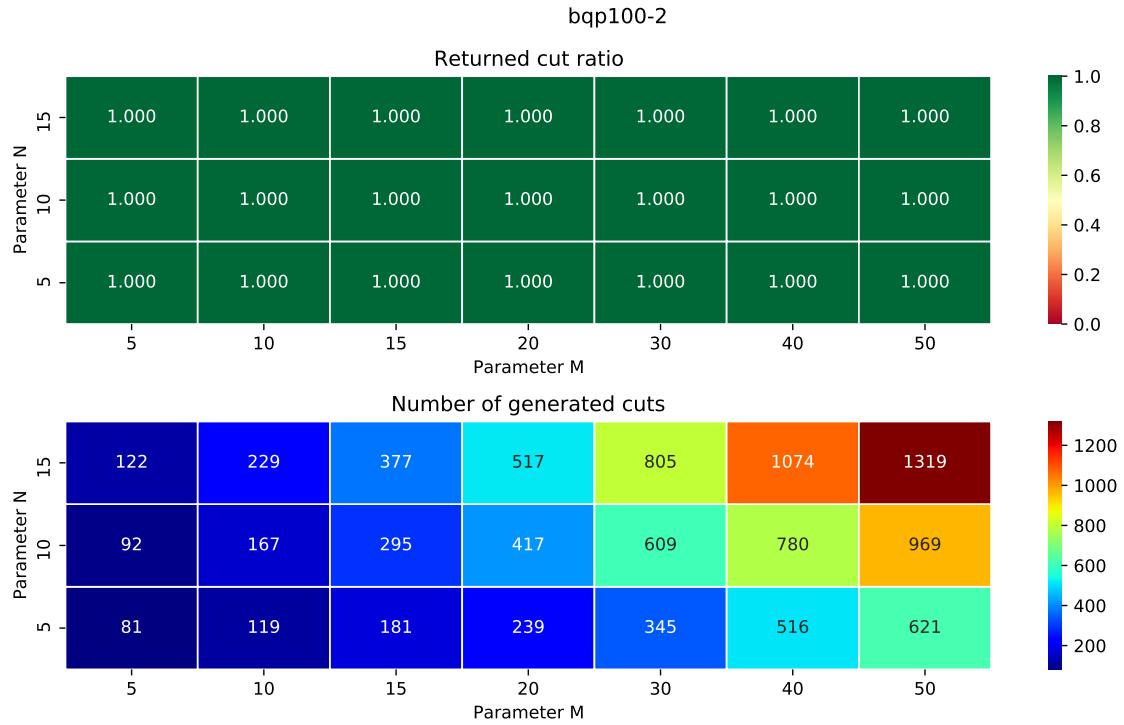


Figure 12: The top plot shows the ratio of returned value and optimal value and the bottom plot shows the number of generated cuts.

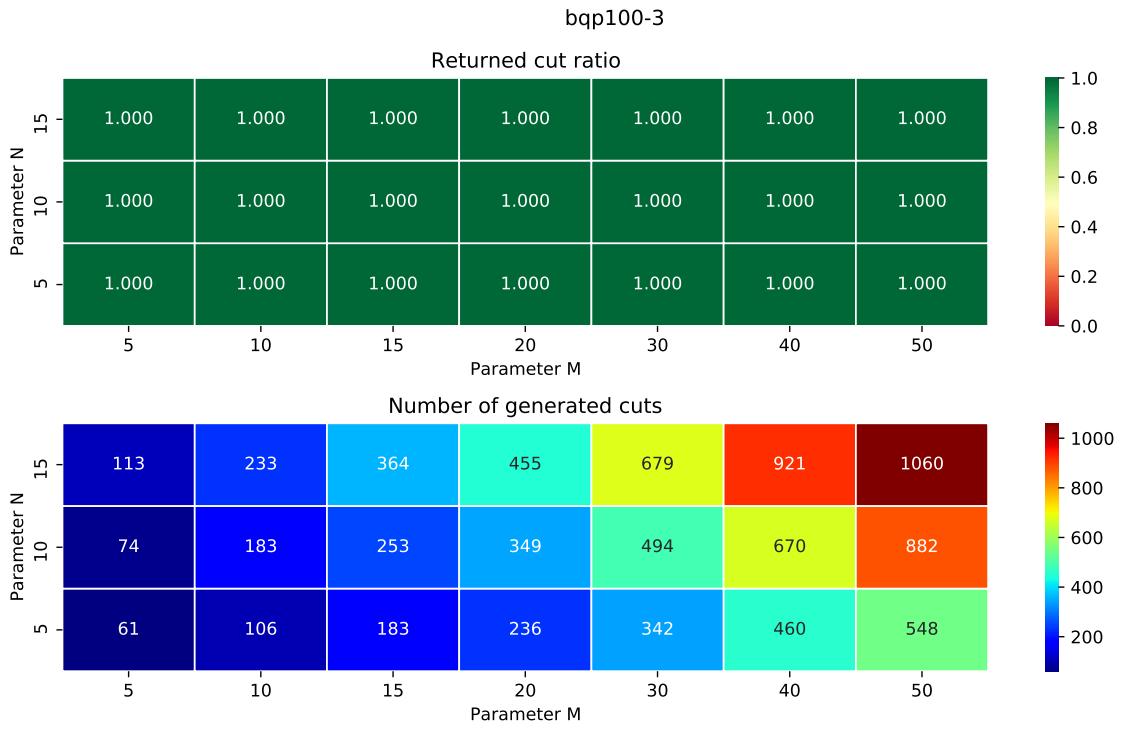


Figure 13: The top plot shows the ratio of returned value and optimal value and the bottom plot shows the number of generated cuts.

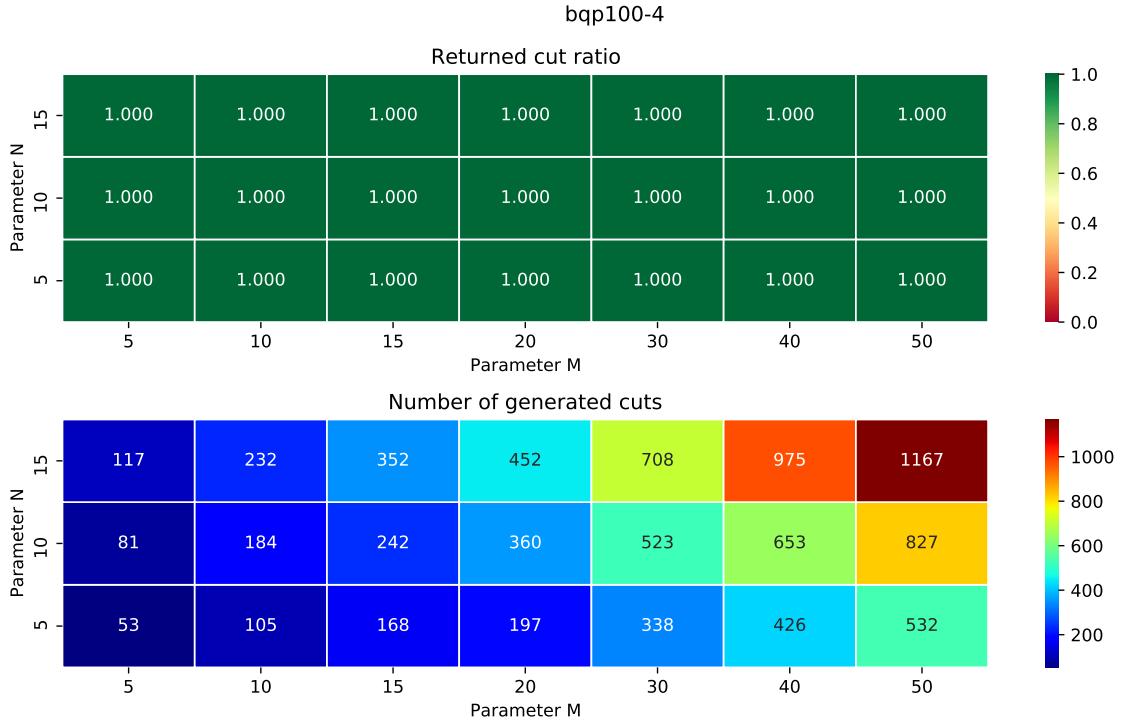


Figure 14: The top plot shows the ratio of returned value and optimal value and the bottom plot shows the number of generated cuts.

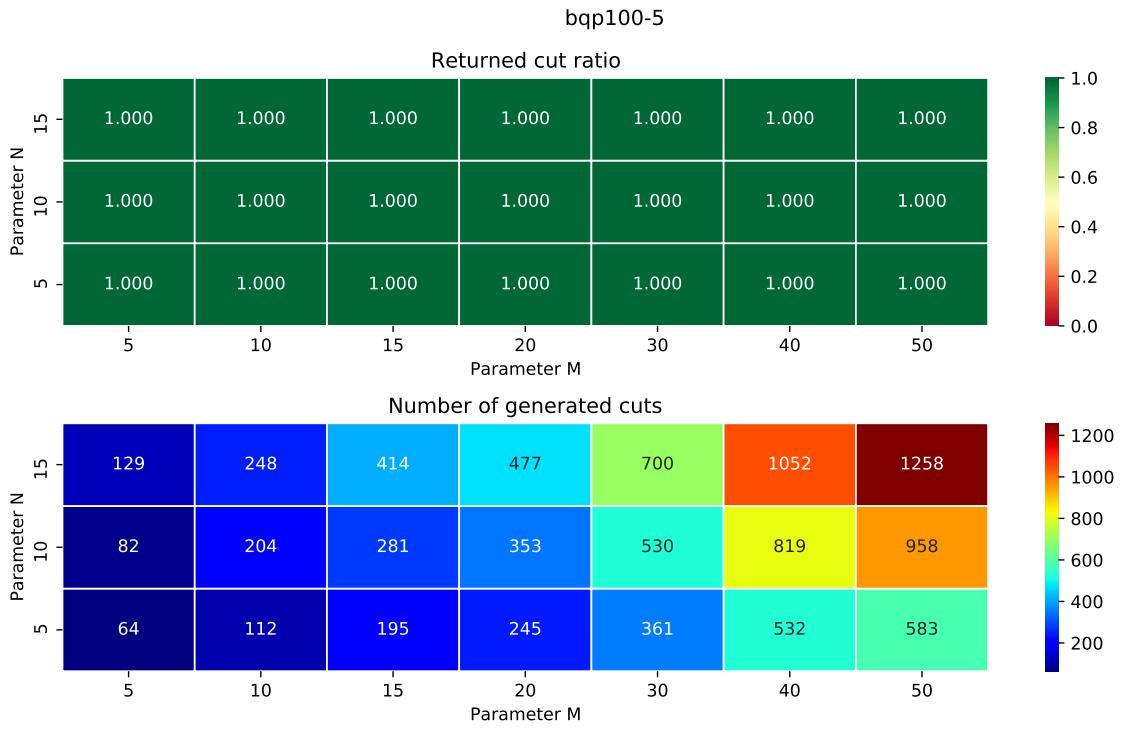


Figure 15: The top plot shows the ratio of returned value and optimal value and the bottom plot shows the number of generated cuts.

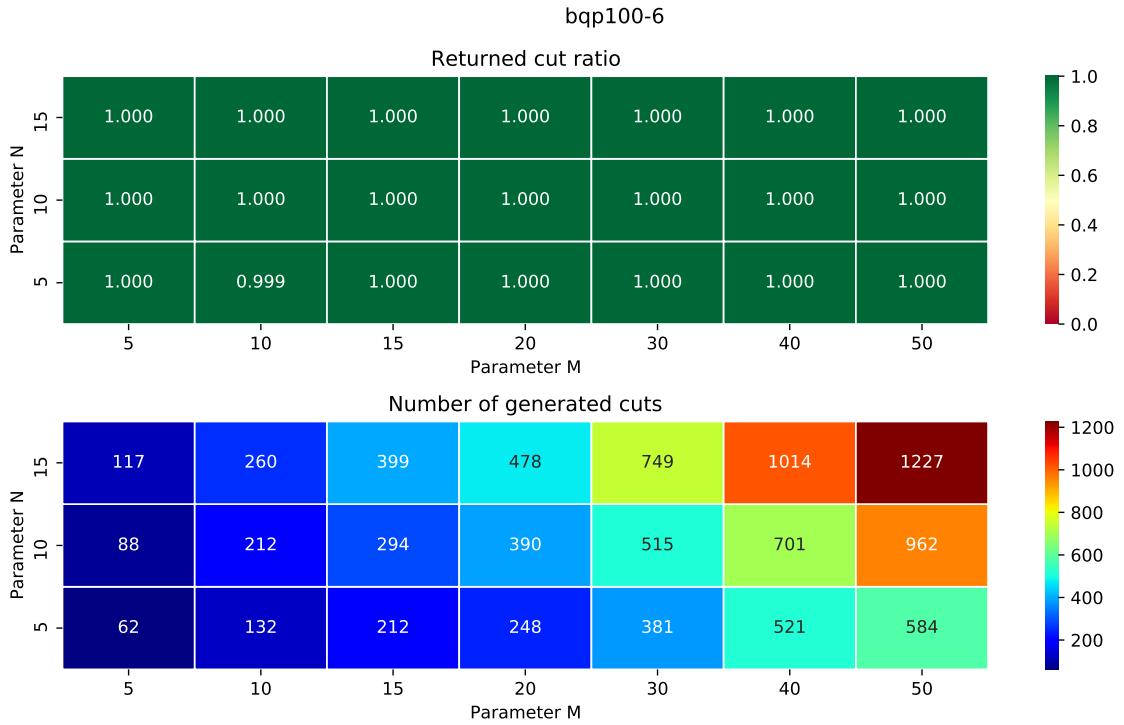


Figure 16: The top plot shows the ratio of returned value and optimal value and the bottom plot shows the number of generated cuts.

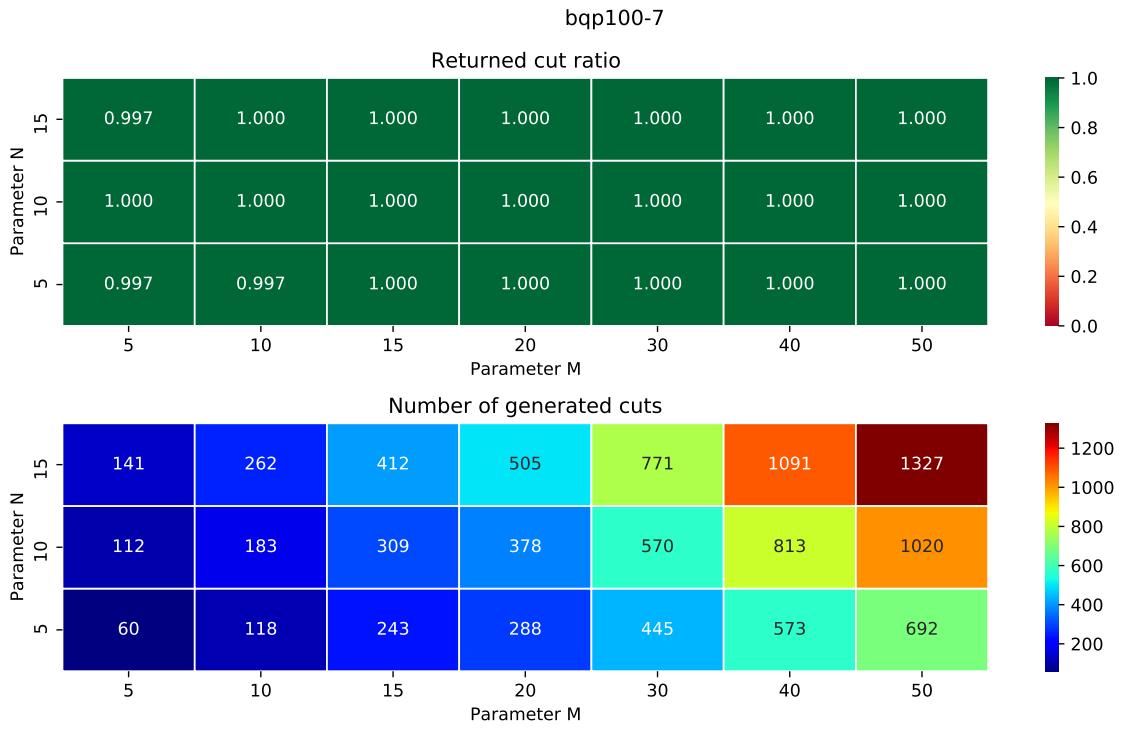


Figure 17: The top plot shows the ratio of returned value and optimal value and the bottom plot shows the number of generated cuts.

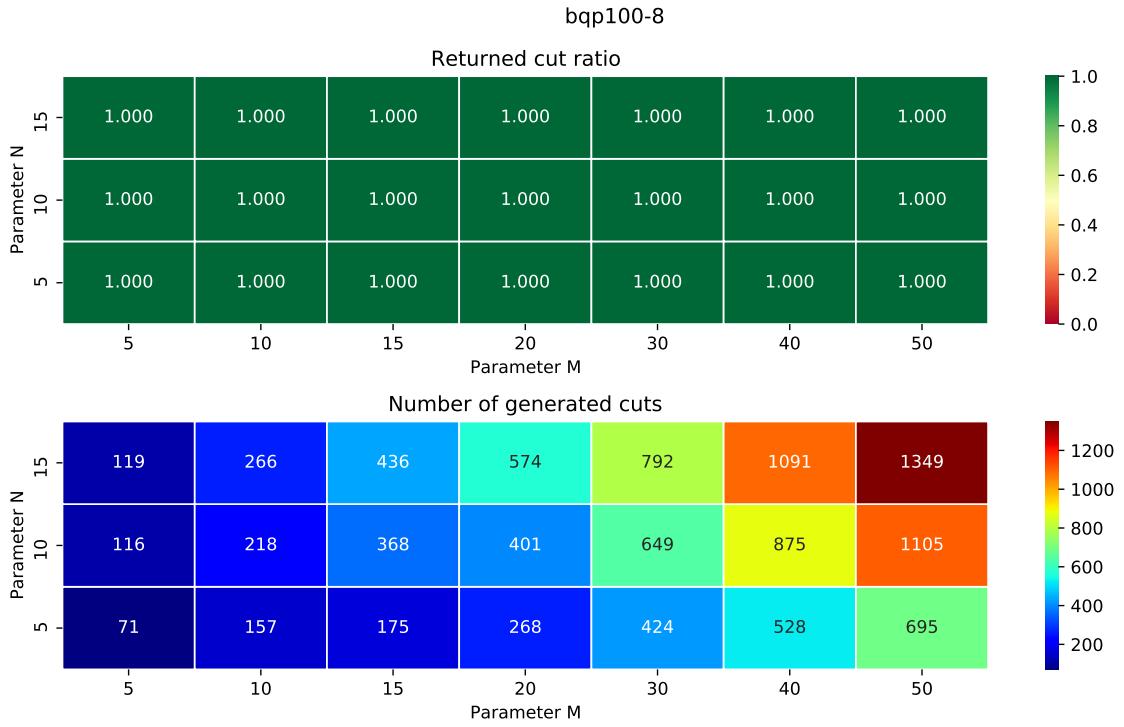


Figure 18: The top plot shows the ratio of returned value and optimal value and the bottom plot shows the number of generated cuts.

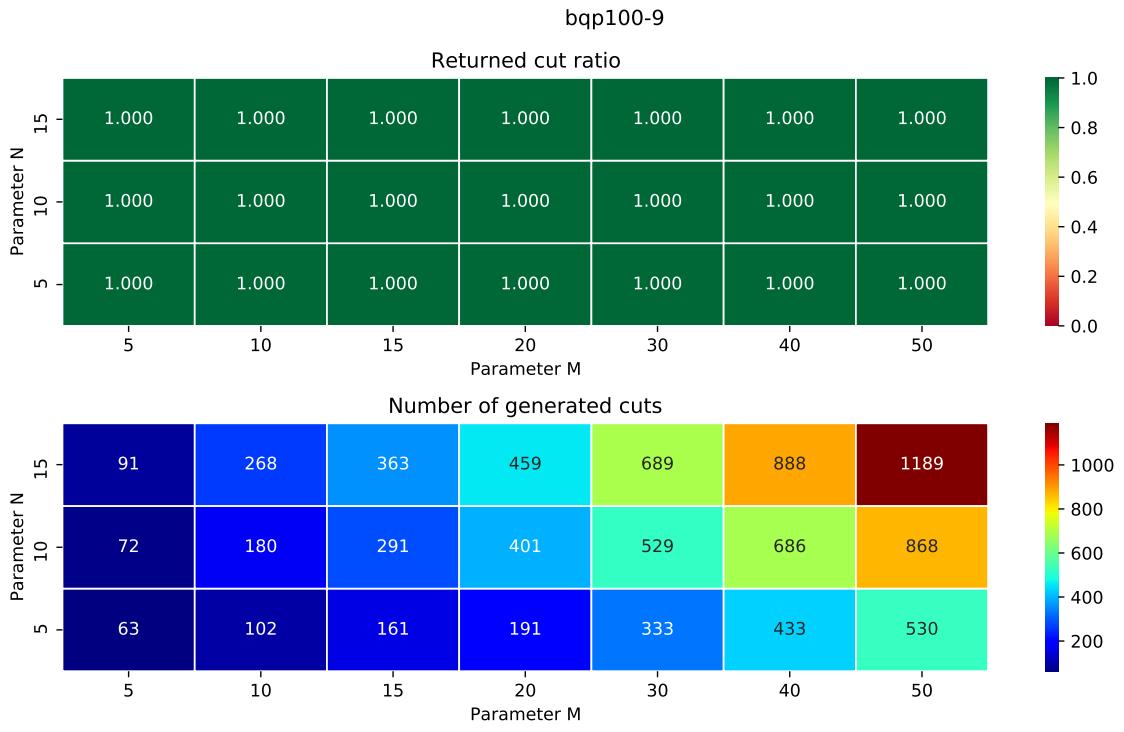


Figure 19: The top plot shows the ratio of returned value and optimal value and the bottom plot shows the number of generated cuts.

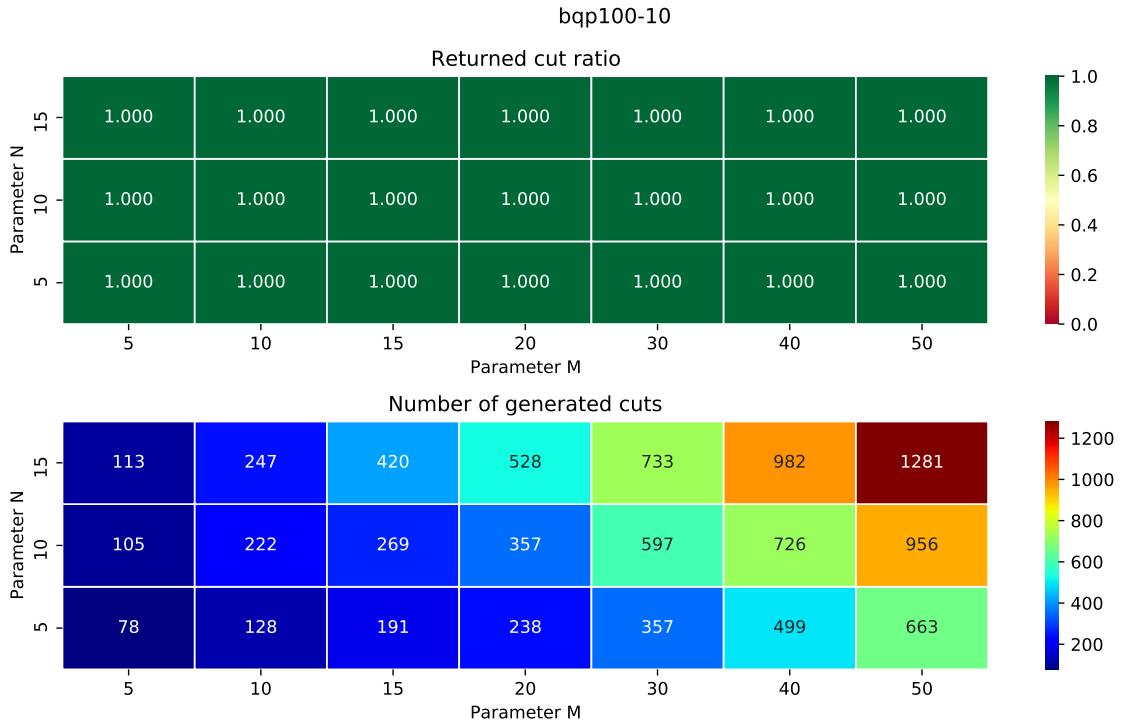


Figure 20: The top plot shows the ratio of returned value and optimal value and the bottom plot shows the number of generated cuts.

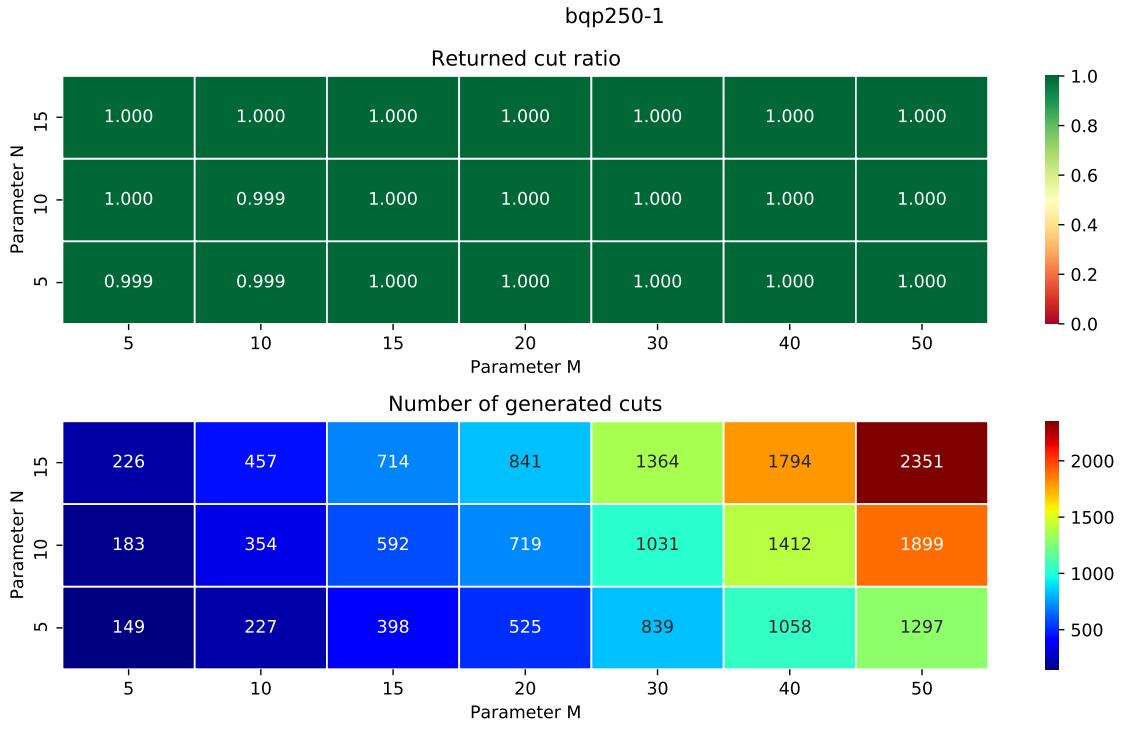


Figure 21: The top plot shows the ratio of returned value and optimal value and the bottom plot shows the number of generated cuts.

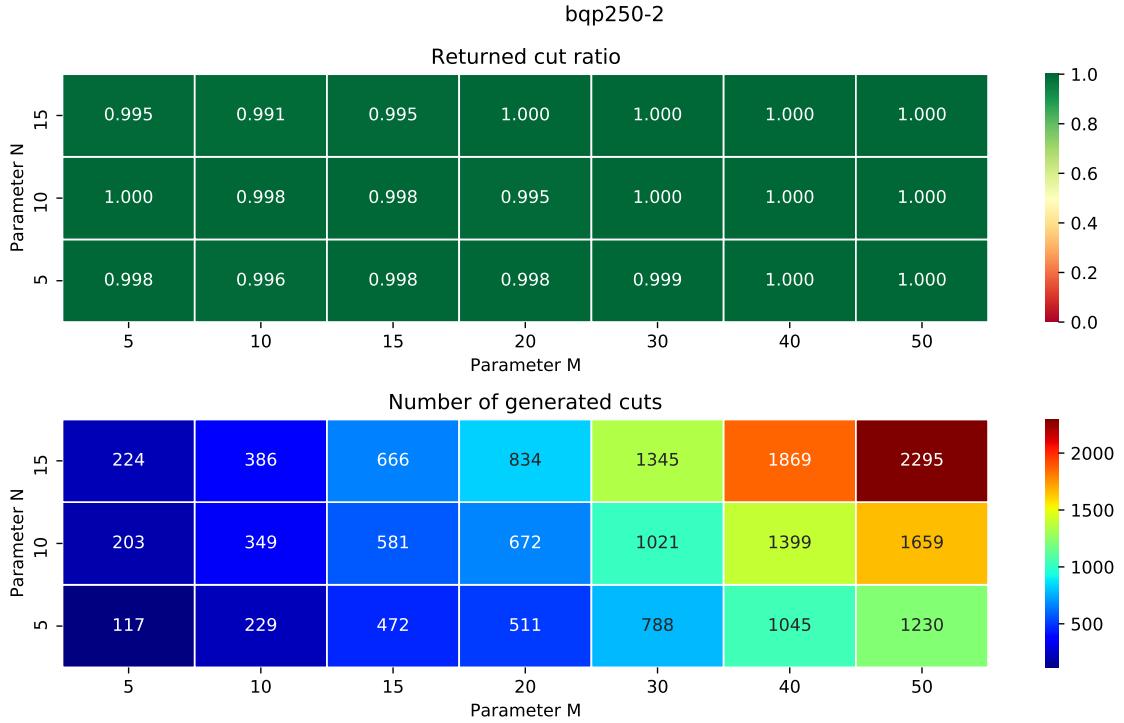


Figure 22: The top plot shows the ratio of returned value and optimal value and the bottom plot shows the number of generated cuts.

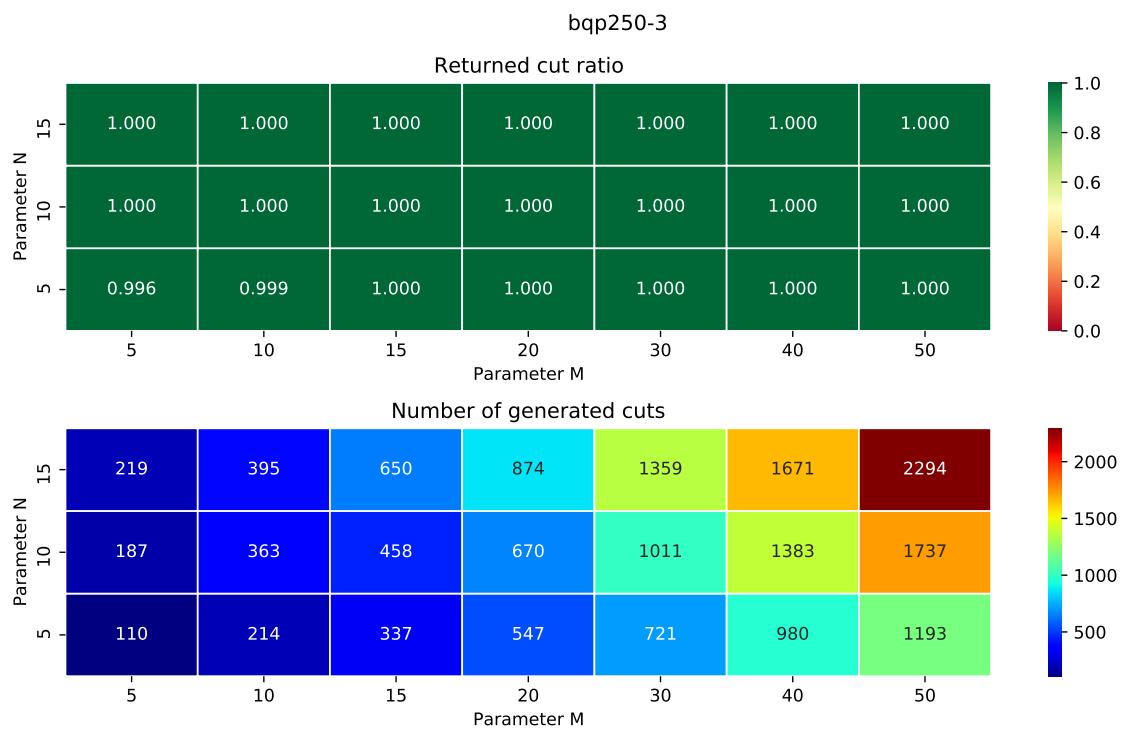


Figure 23: The top plot shows the ratio of returned value and optimal value and the bottom plot shows the number of generated cuts.

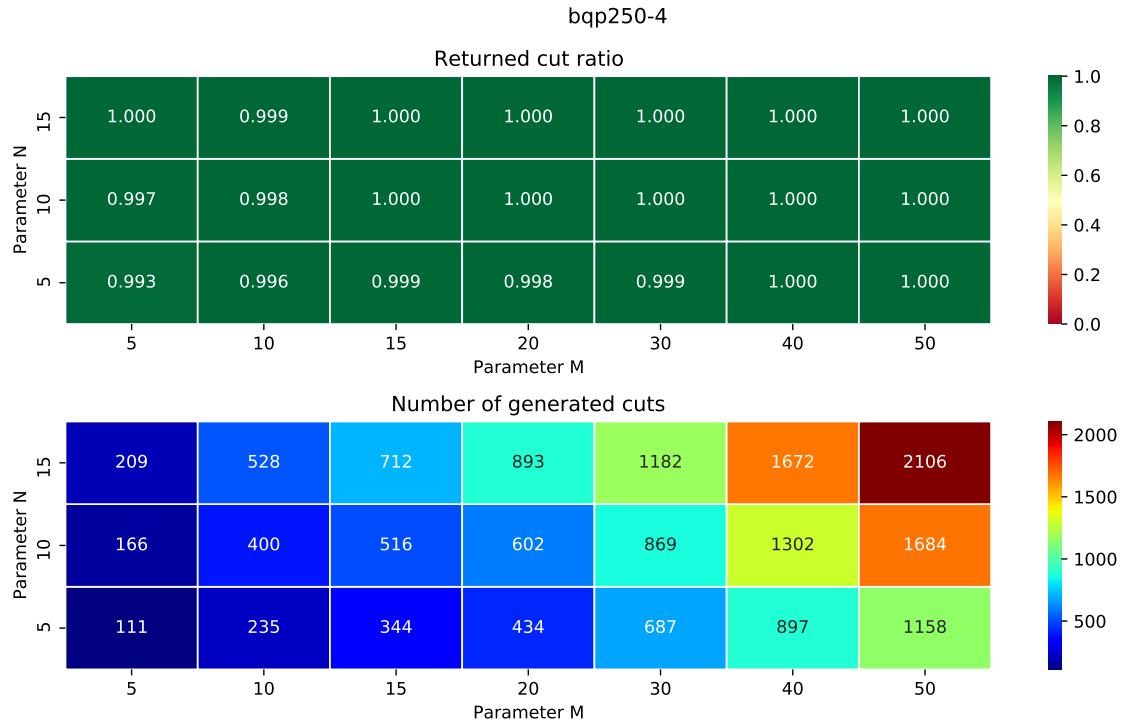


Figure 24: The top plot shows the ratio of returned value and optimal value and the bottom plot shows the number of generated cuts.

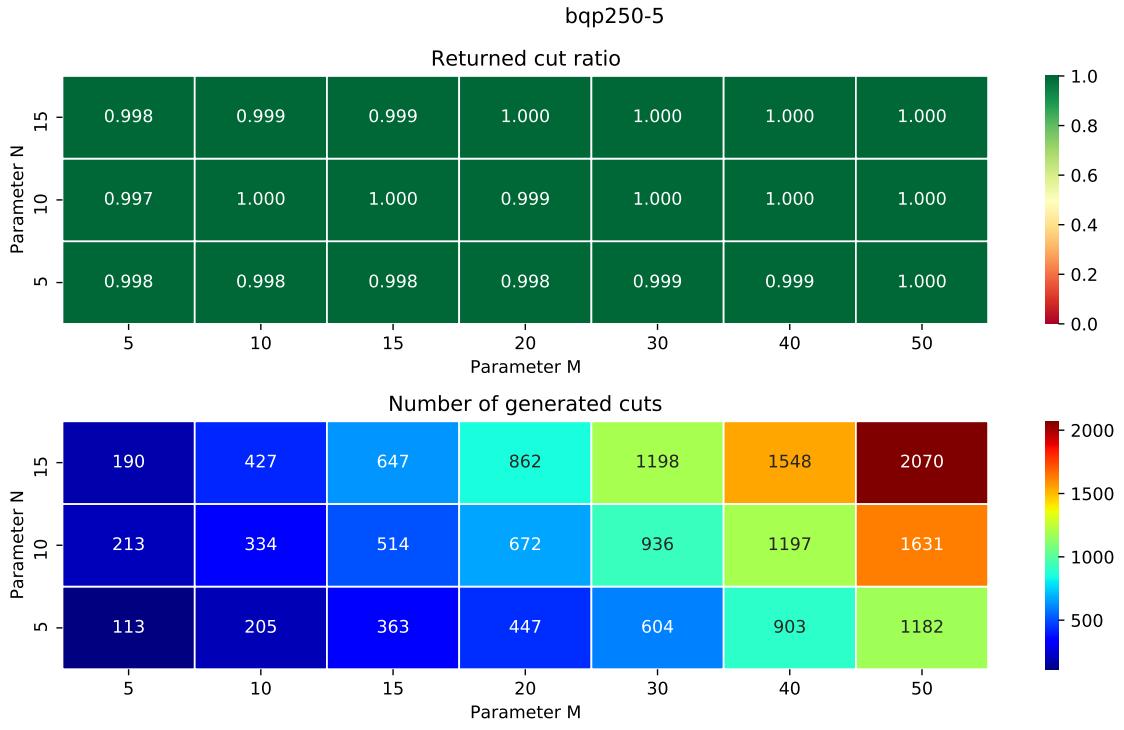


Figure 25: The top plot shows the ratio of returned value and optimal value and the bottom plot shows the number of generated cuts.

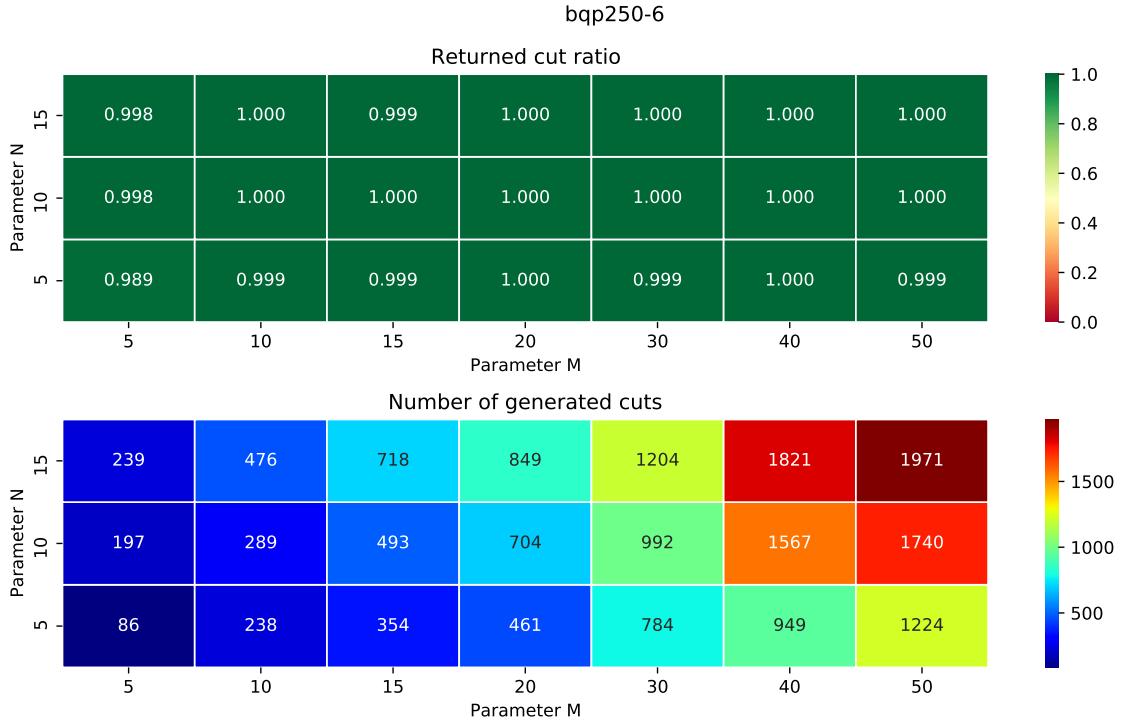


Figure 26: The top plot shows the ratio of returned value and optimal value and the bottom plot shows the number of generated cuts.

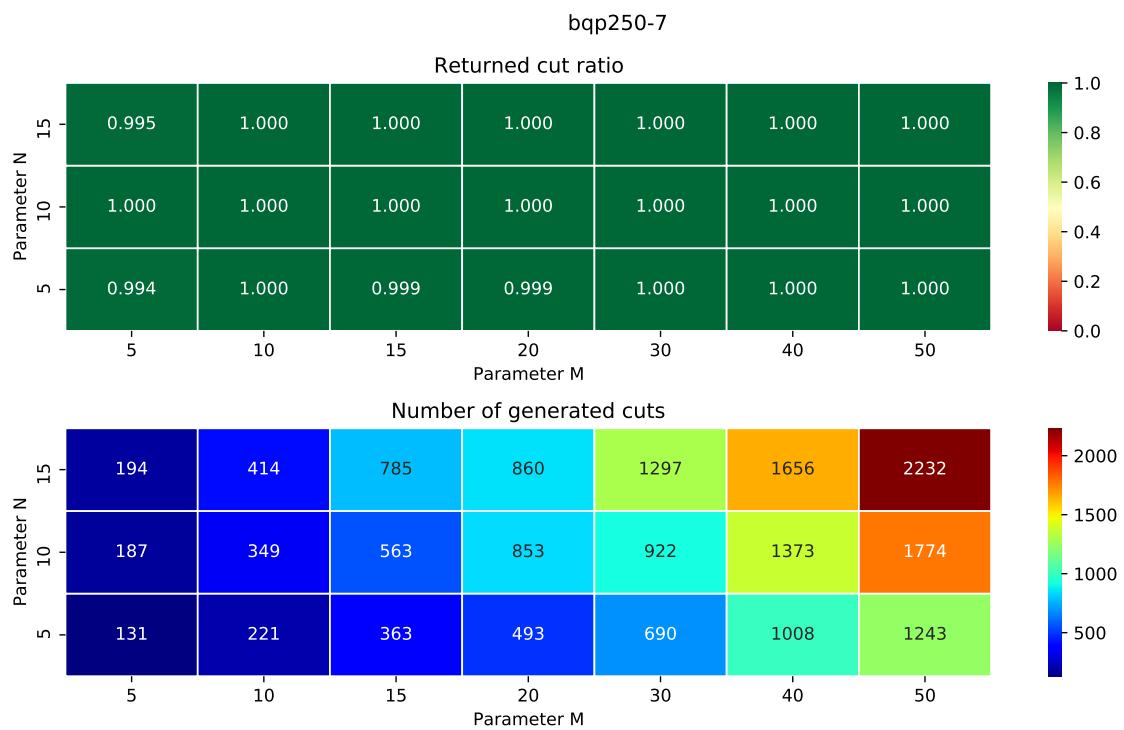


Figure 27: The top plot shows the ratio of returned value and optimal value and the bottom plot shows the number of generated cuts.

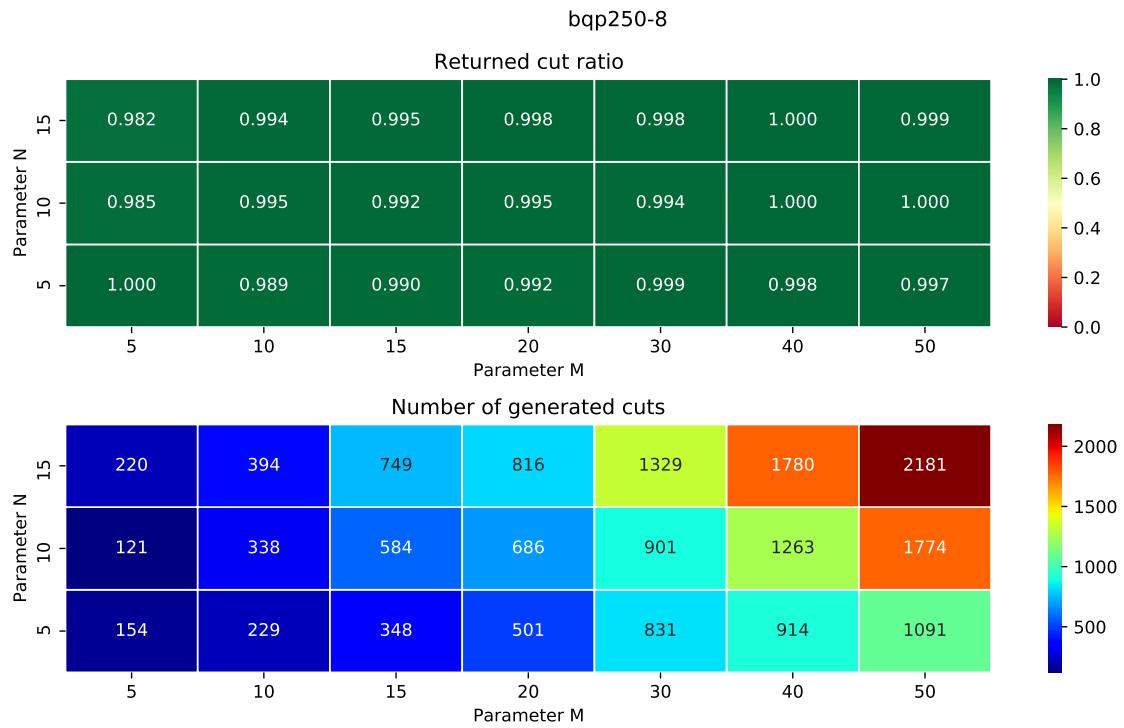


Figure 28: The top plot shows the ratio of returned value and optimal value and the bottom plot shows the number of generated cuts.

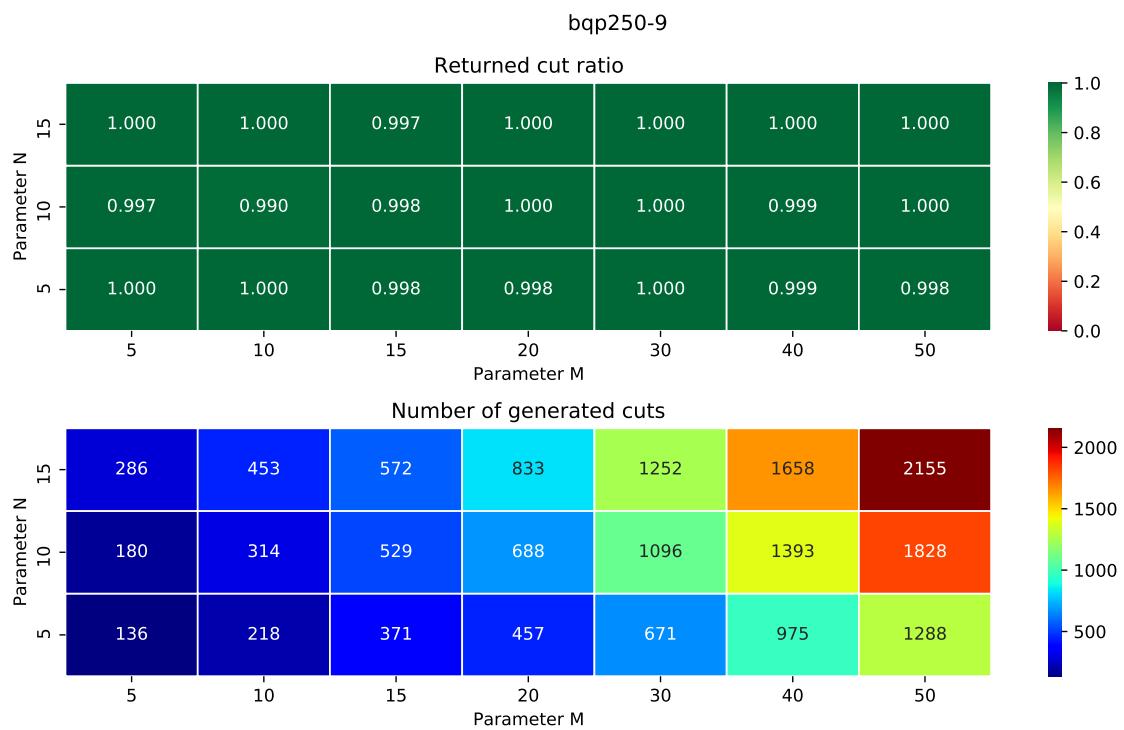


Figure 29: The top plot shows the ratio of returned value and optimal value and the bottom plot shows the number of generated cuts.

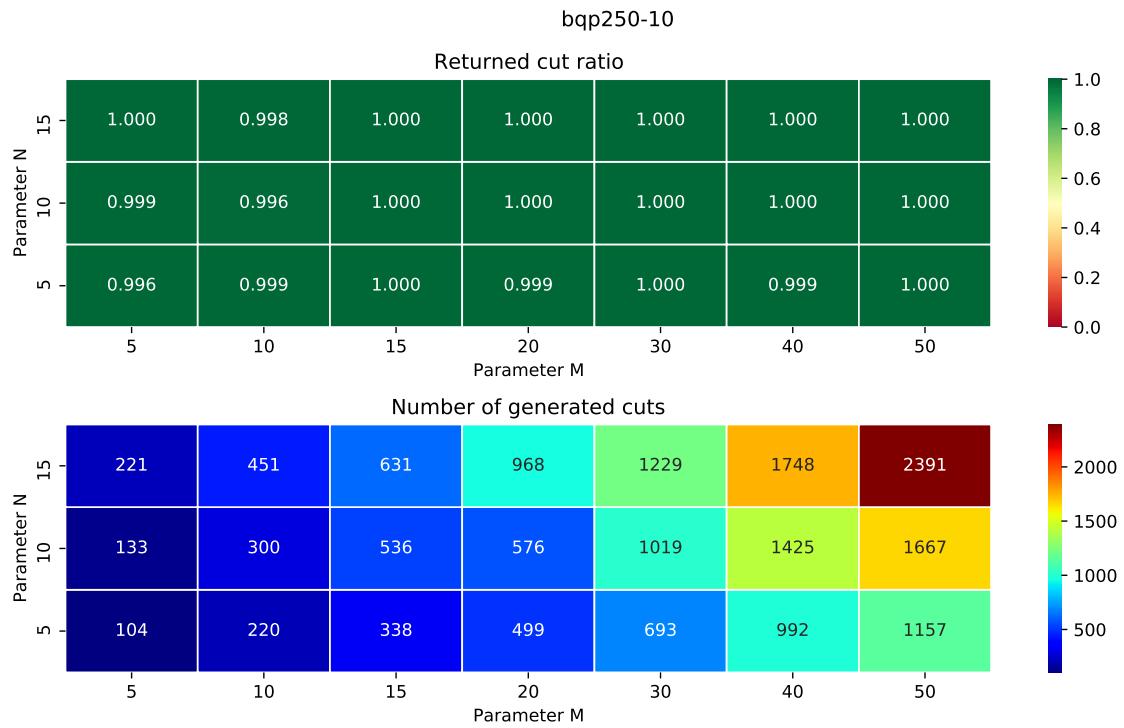


Figure 30: The top plot shows the ratio of returned value and optimal value and the bottom plot shows the number of generated cuts.

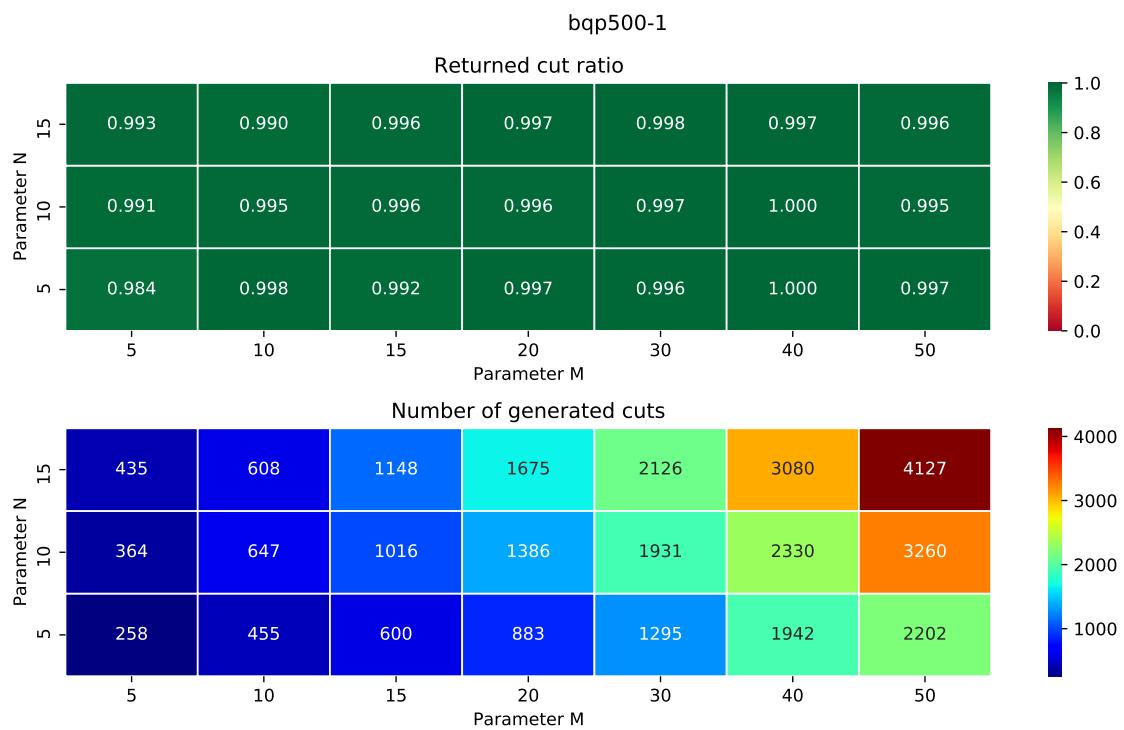


Figure 31: The top plot shows the ratio of the returned value and the highest reached value and the bottom plot shows the number of generated cuts. The optimal value is not known.

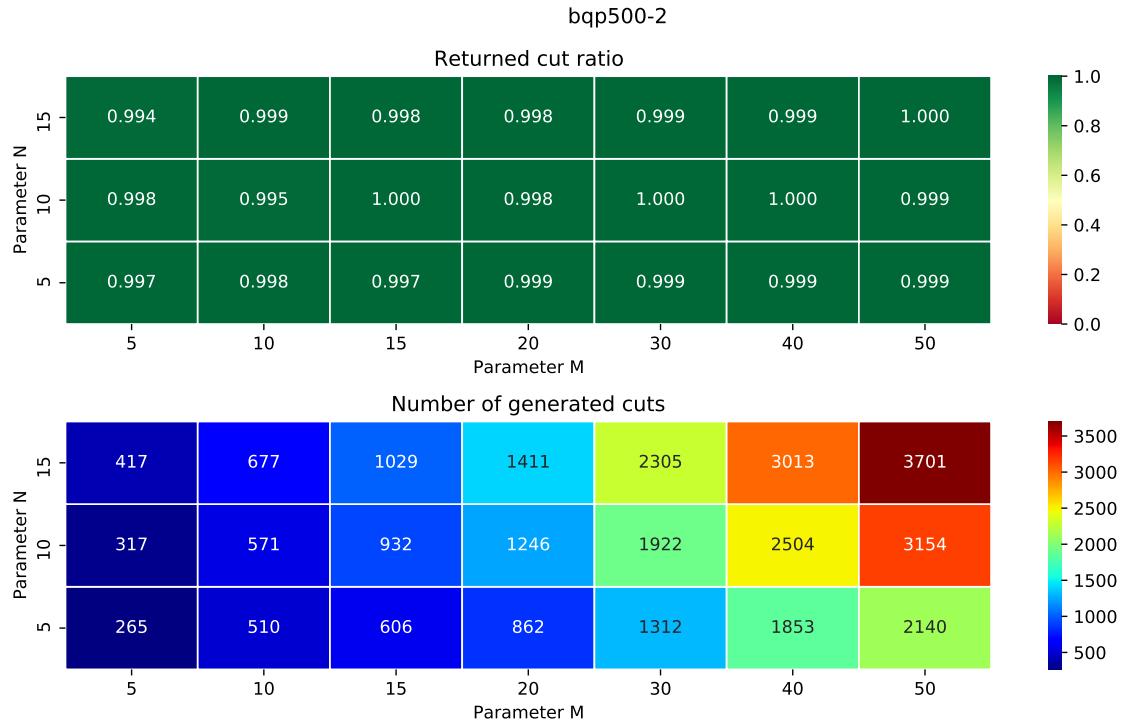


Figure 32: The top plot shows the ratio of the returned value and the highest reached value and the bottom plot shows the number of generated cuts. The optimal value is not known.

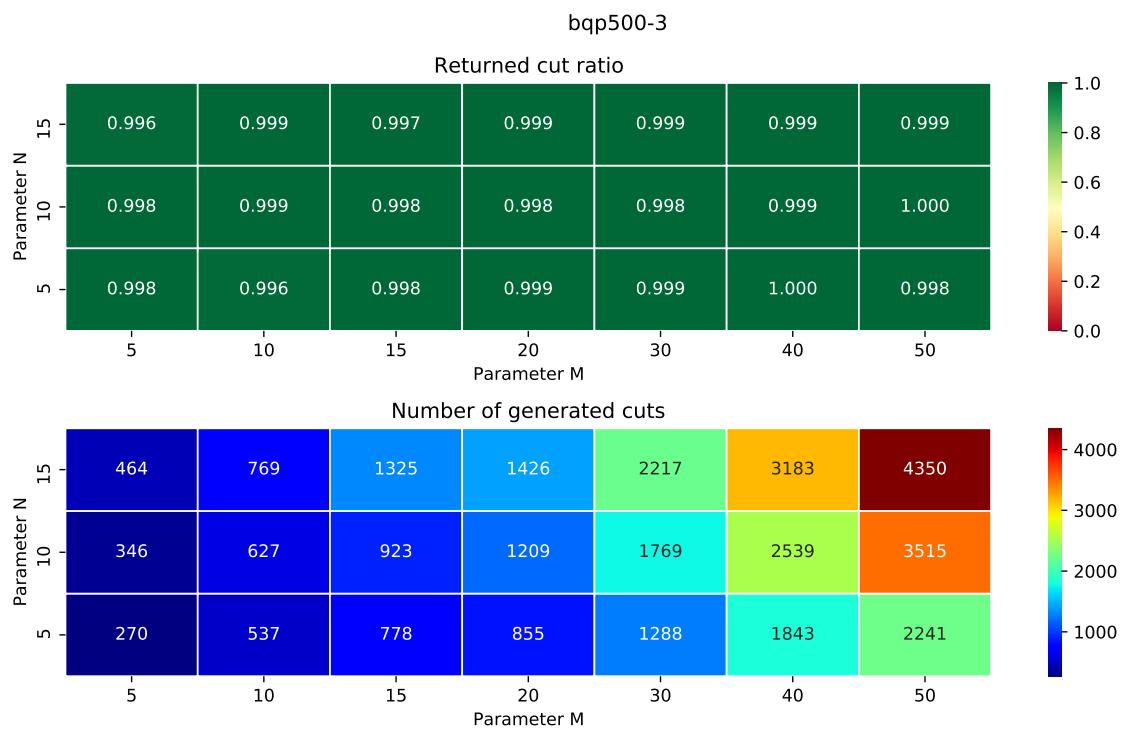


Figure 33: The top plot shows the ratio of the returned value and the highest reached value and the bottom plot shows the number of generated cuts. The optimal value is not known.

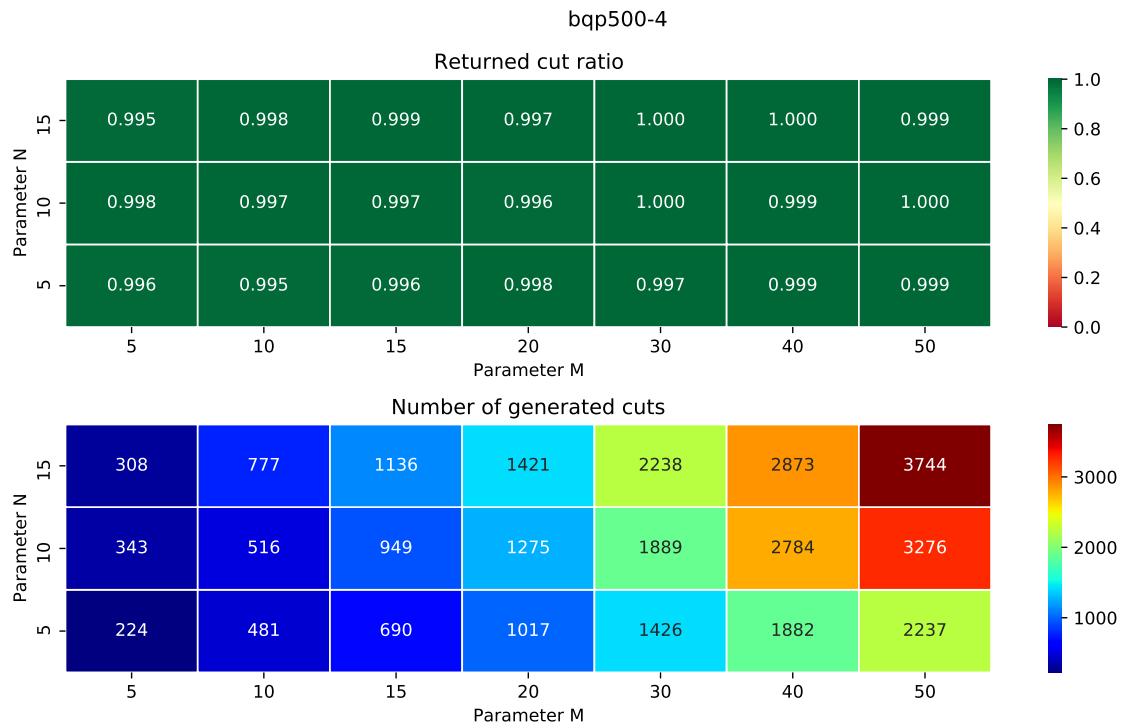


Figure 34: The top plot shows the ratio of the returned value and the highest reached value and the bottom plot shows the number of generated cuts. The optimal value is not known.

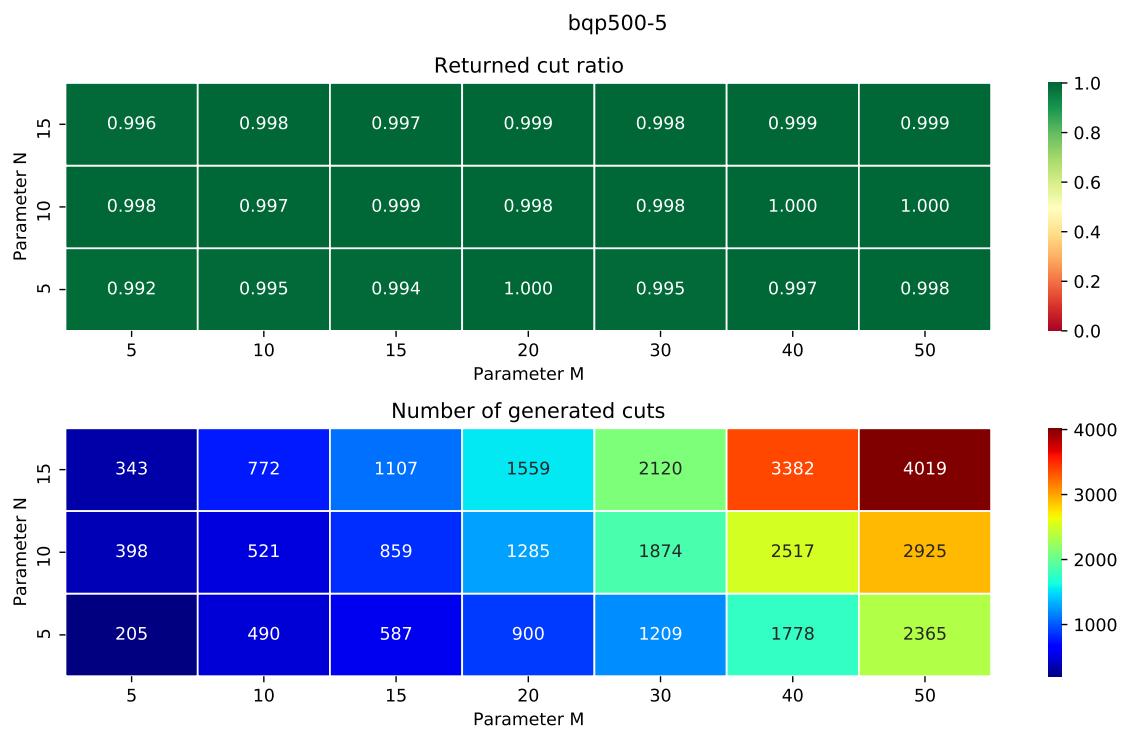


Figure 35: The top plot shows the ratio of the returned value and the highest reached value and the bottom plot shows the number of generated cuts. The optimal value is not known.

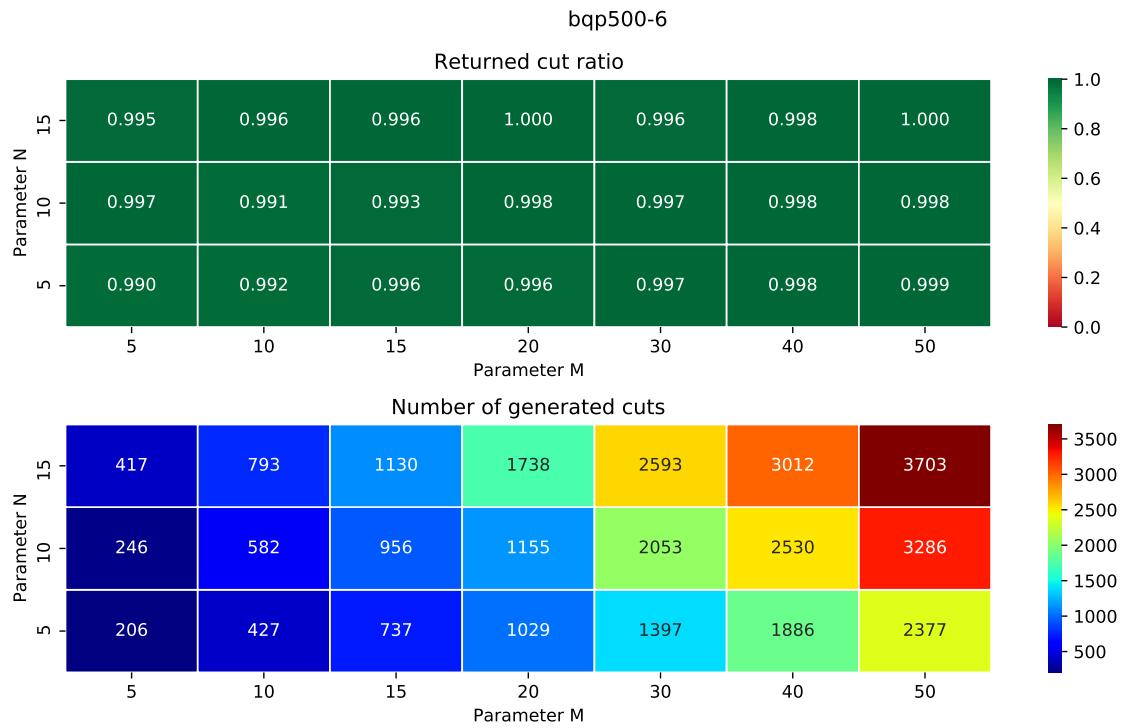


Figure 36: The top plot shows the ratio of the returned value and the highest reached value and the bottom plot shows the number of generated cuts. The optimal value is not known.

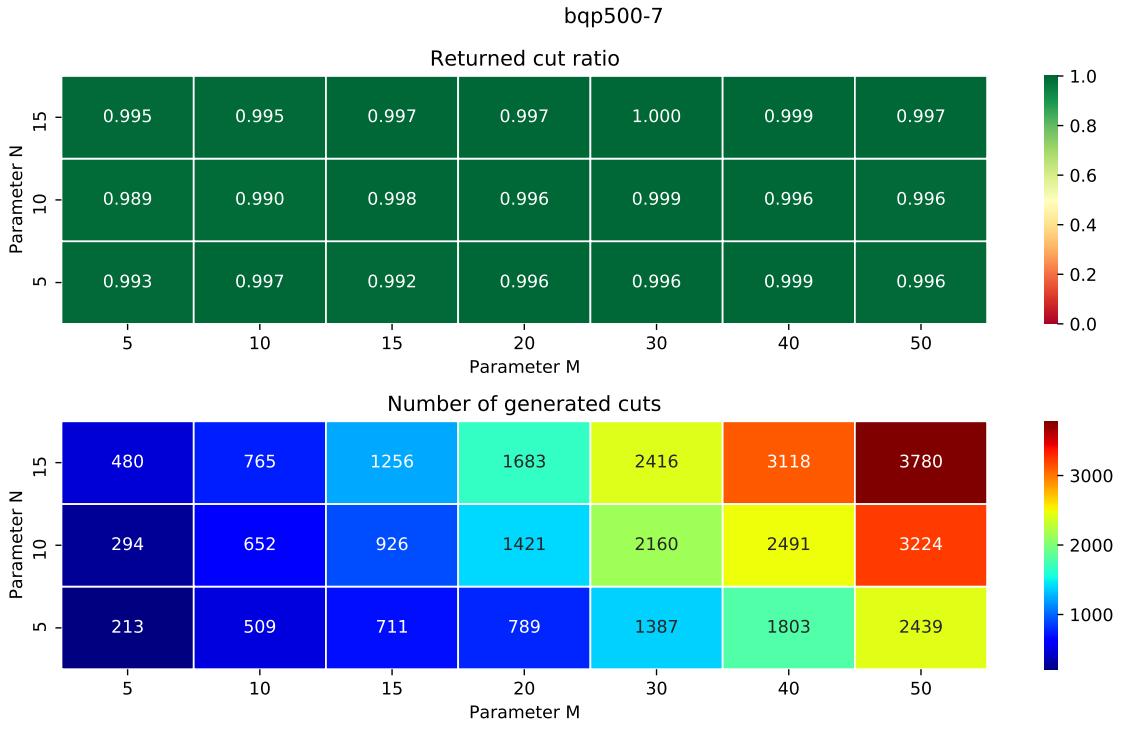


Figure 37: The top plot shows the ratio of the returned value and the highest reached value and the bottom plot shows the number of generated cuts. The optimal value is not known.

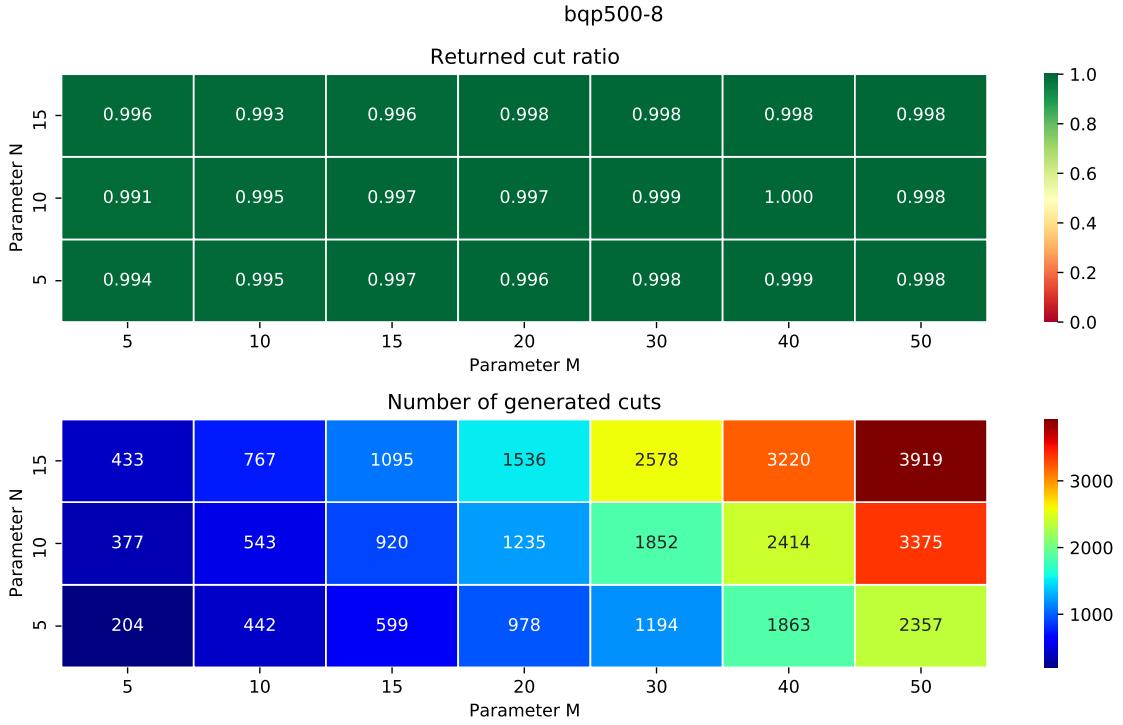


Figure 38: The top plot shows the ratio of the returned value and the highest reached value and the bottom plot shows the number of generated cuts. The optimal value is not known.

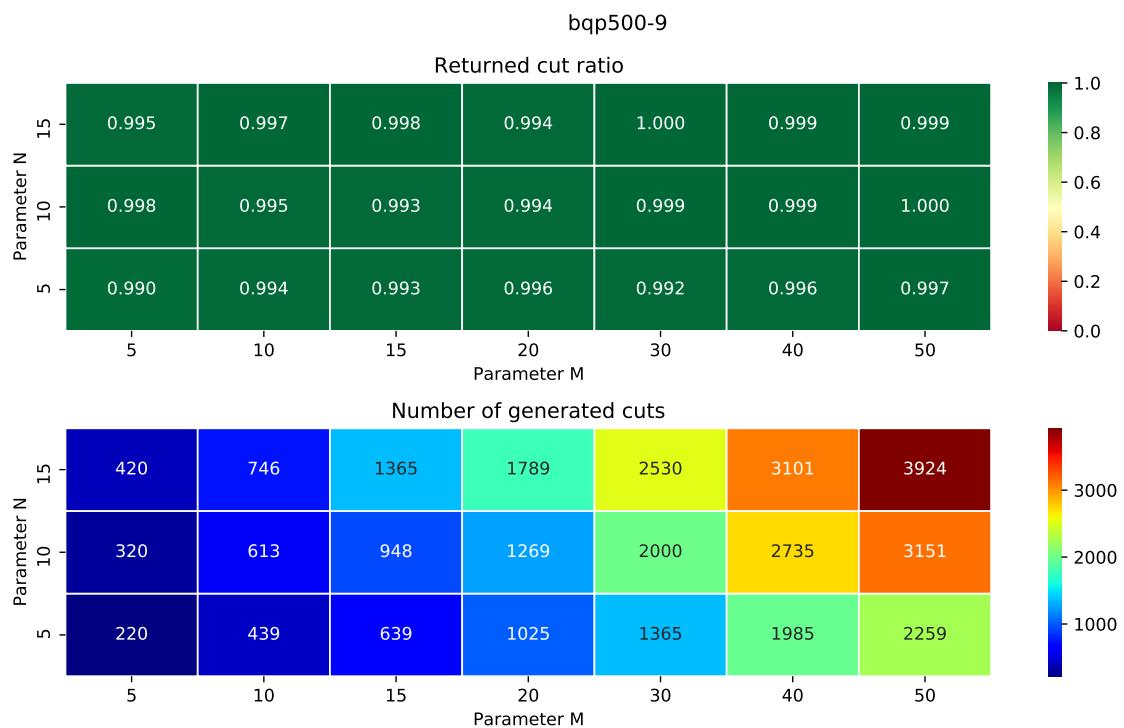


Figure 39: The top plot shows the ratio of the returned value and the highest reached value and the bottom plot shows the number of generated cuts. The optimal value is not known.

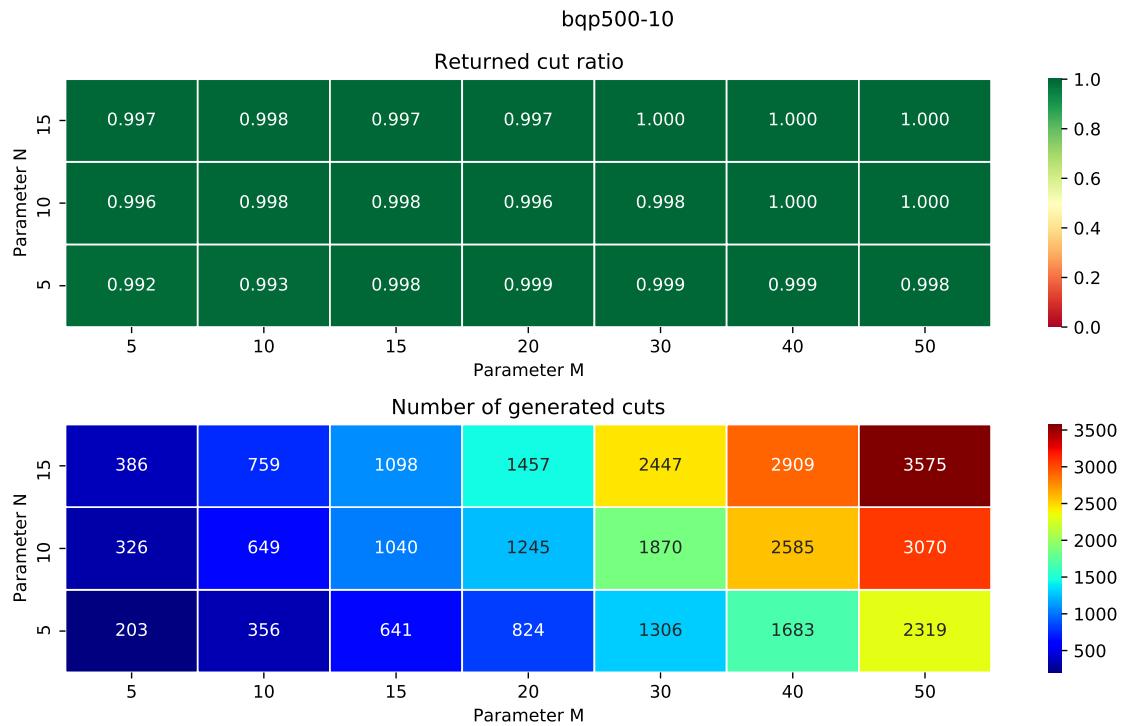


Figure 40: The top plot shows the ratio of the returned value and the highest reached value and the bottom plot shows the number of generated cuts. The optimal value is not known.

2 BE

2.1 be100.i

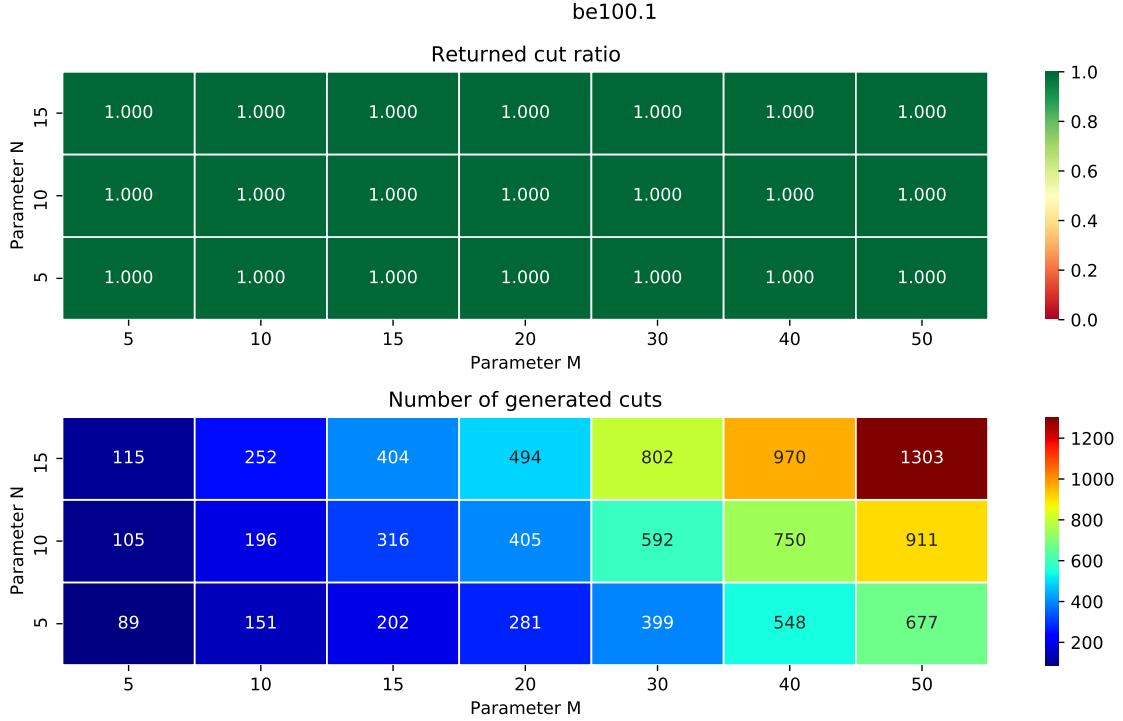


Figure 41: The top plot shows the ratio of returned value and optimal value and the bottom plot shows the number of generated cuts.

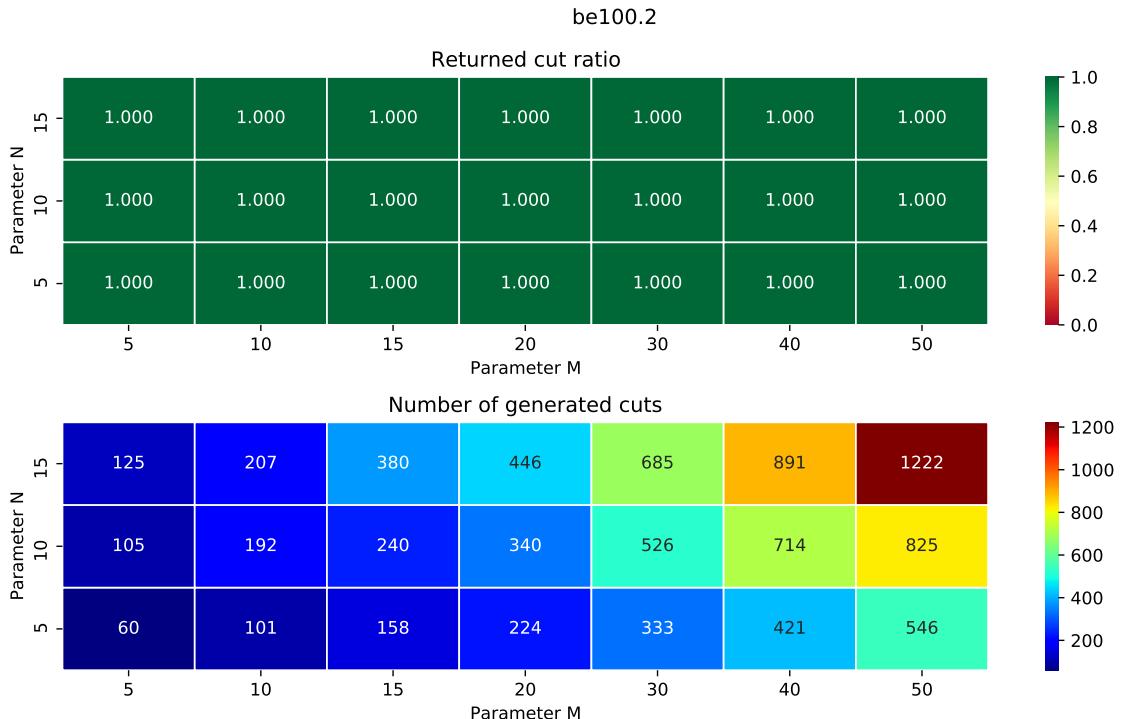


Figure 42: The top plot shows the ratio of returned value and optimal value and the bottom plot shows the number of generated cuts.

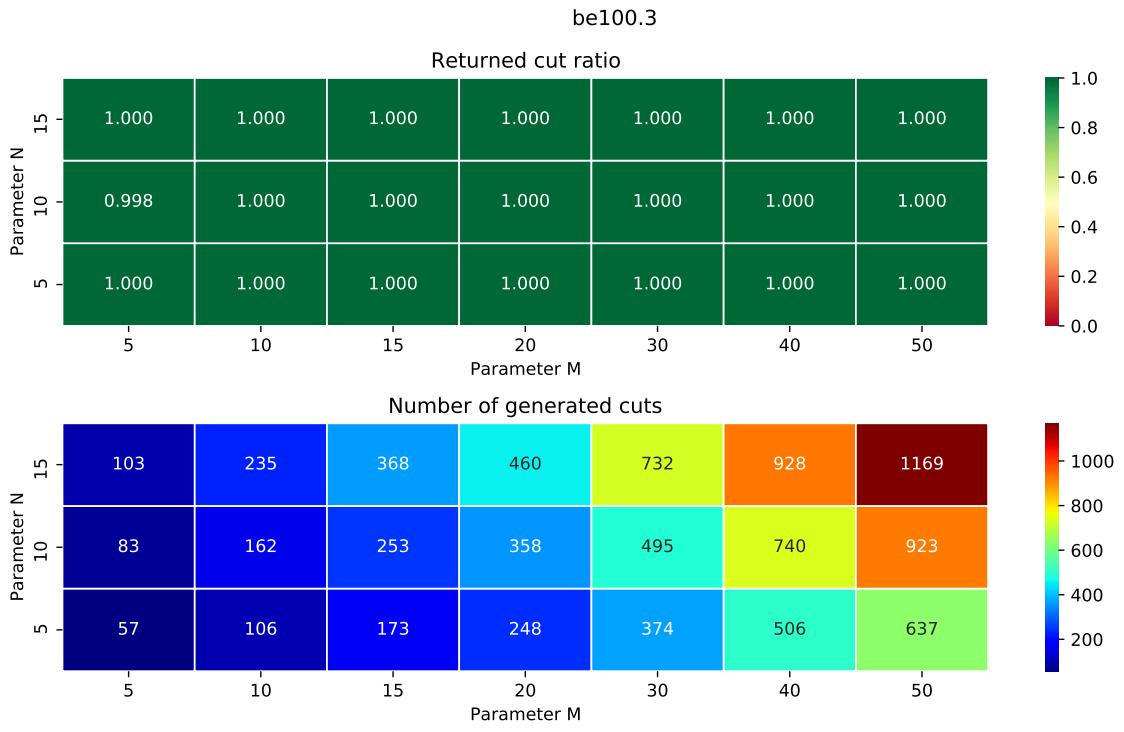


Figure 43: The top plot shows the ratio of returned value and optimal value and the bottom plot shows the number of generated cuts.

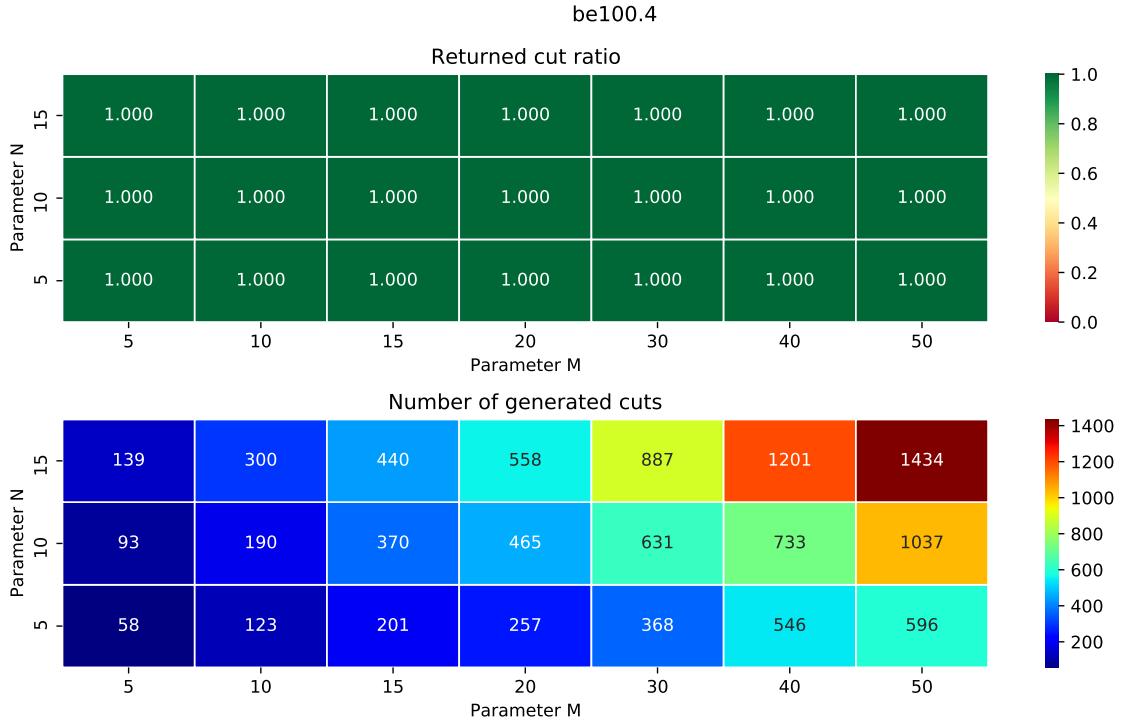


Figure 44: The top plot shows the ratio of returned value and optimal value and the bottom plot shows the number of generated cuts.

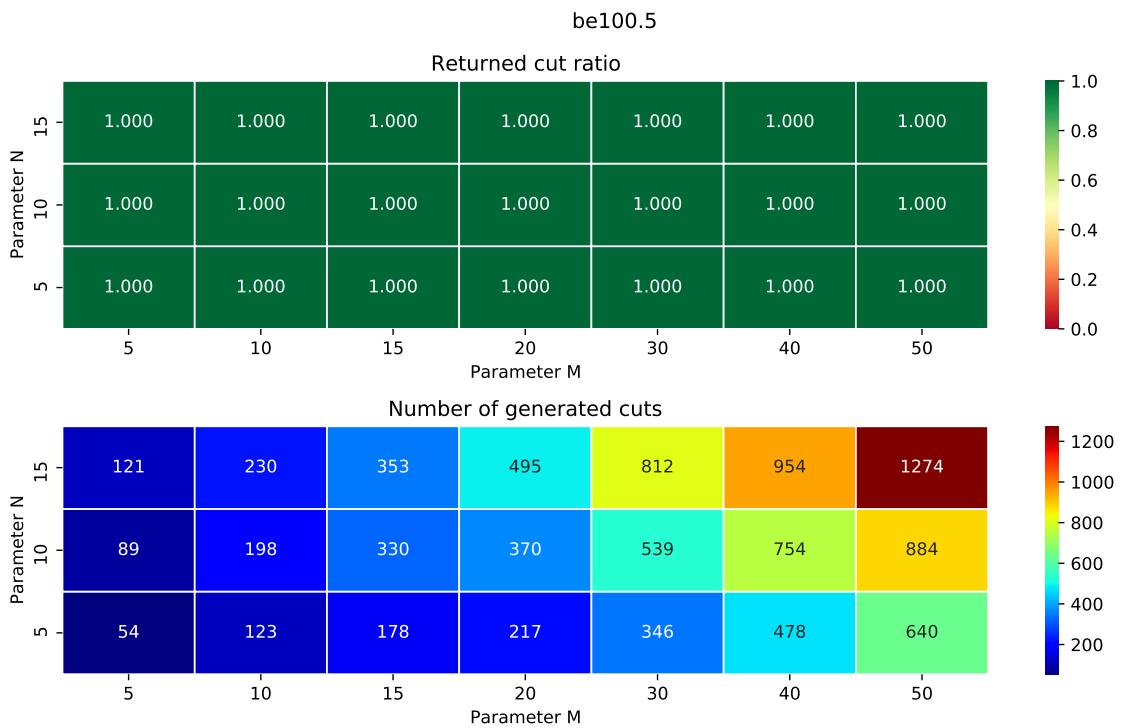


Figure 45: The top plot shows the ratio of returned value and optimal value and the bottom plot shows the number of generated cuts.

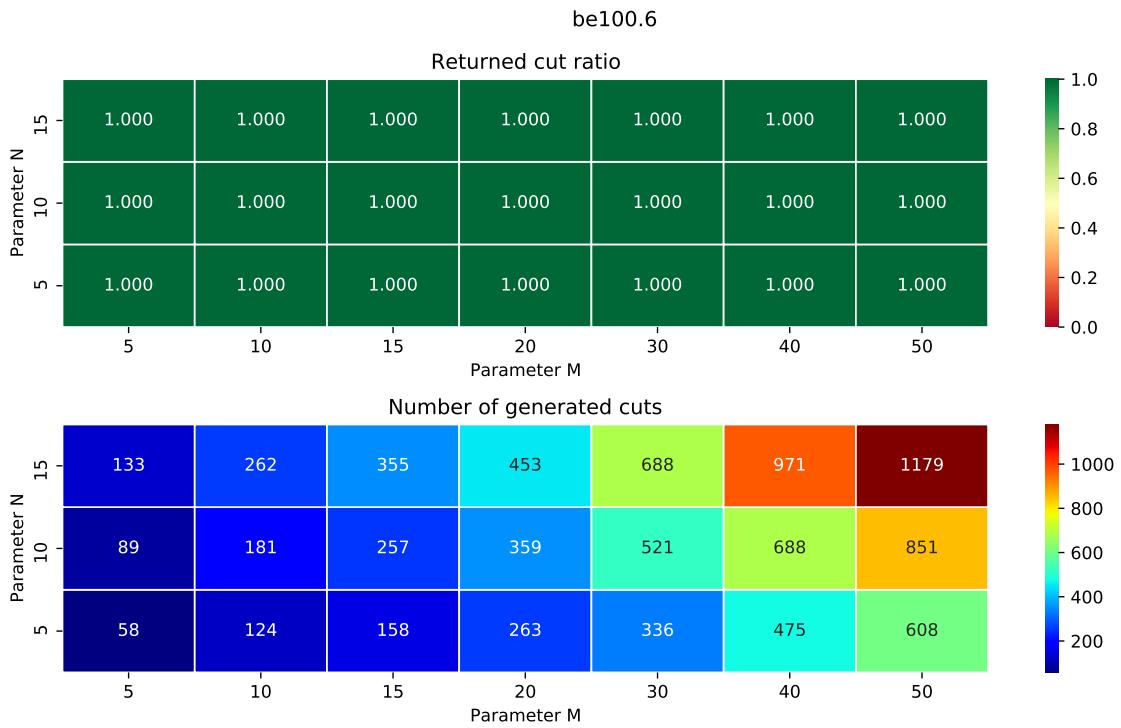


Figure 46: The top plot shows the ratio of returned value and optimal value and the bottom plot shows the number of generated cuts.

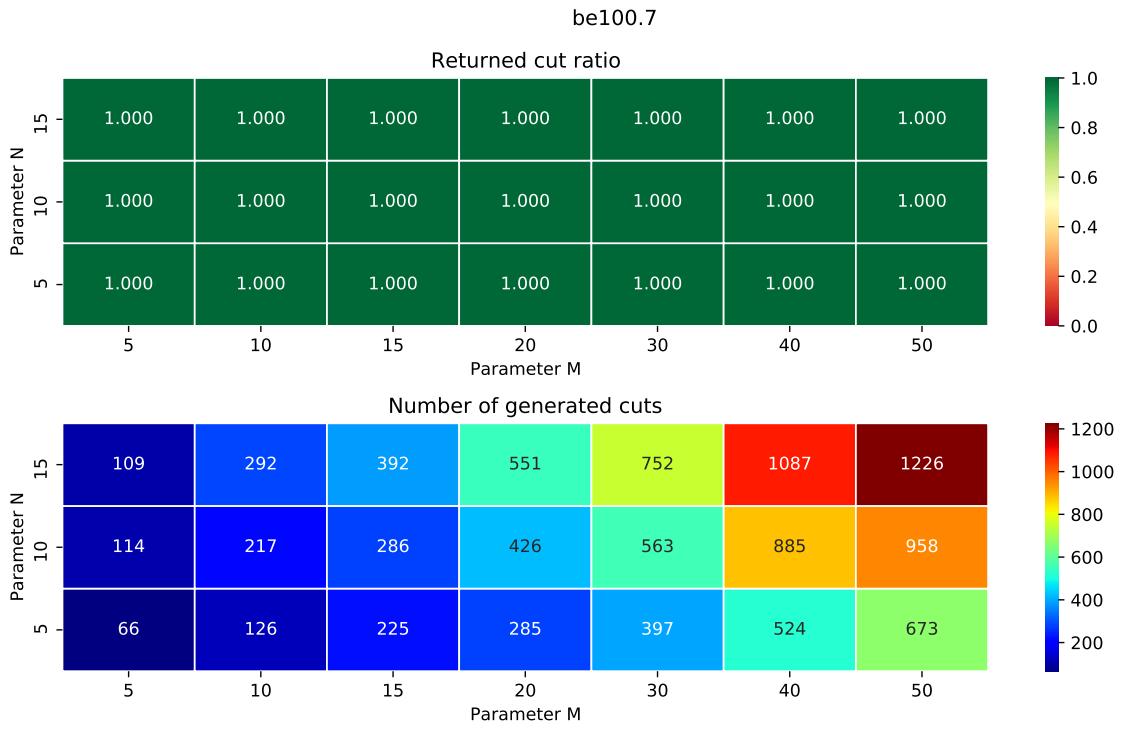


Figure 47: The top plot shows the ratio of returned value and optimal value and the bottom plot shows the number of generated cuts.

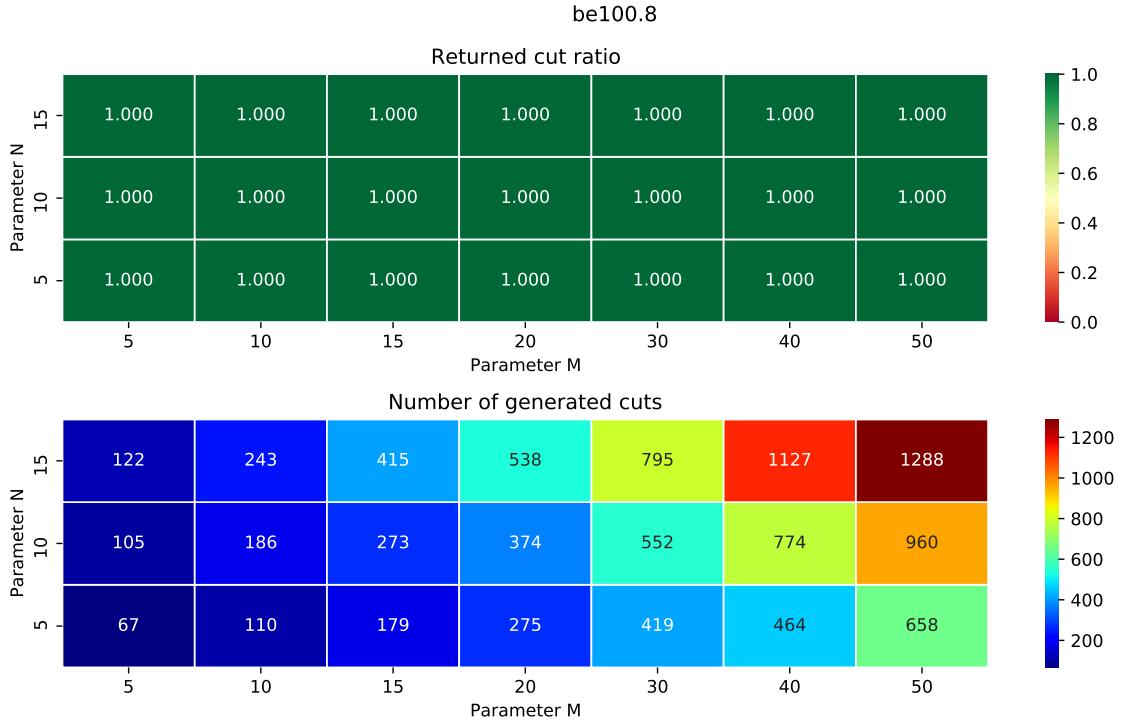


Figure 48: The top plot shows the ratio of returned value and optimal value and the bottom plot shows the number of generated cuts.

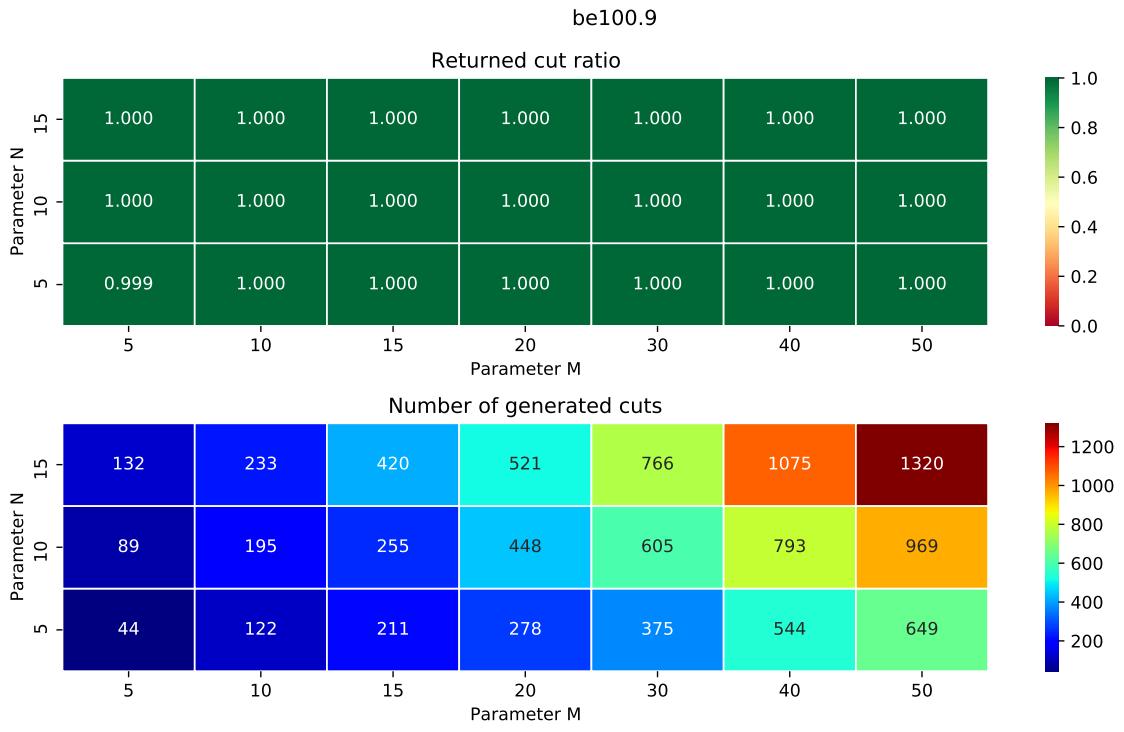


Figure 49: The top plot shows the ratio of returned value and optimal value and the bottom plot shows the number of generated cuts.



Figure 50: The top plot shows the ratio of returned value and optimal value and the bottom plot shows the number of generated cuts.

2.2 be250.i

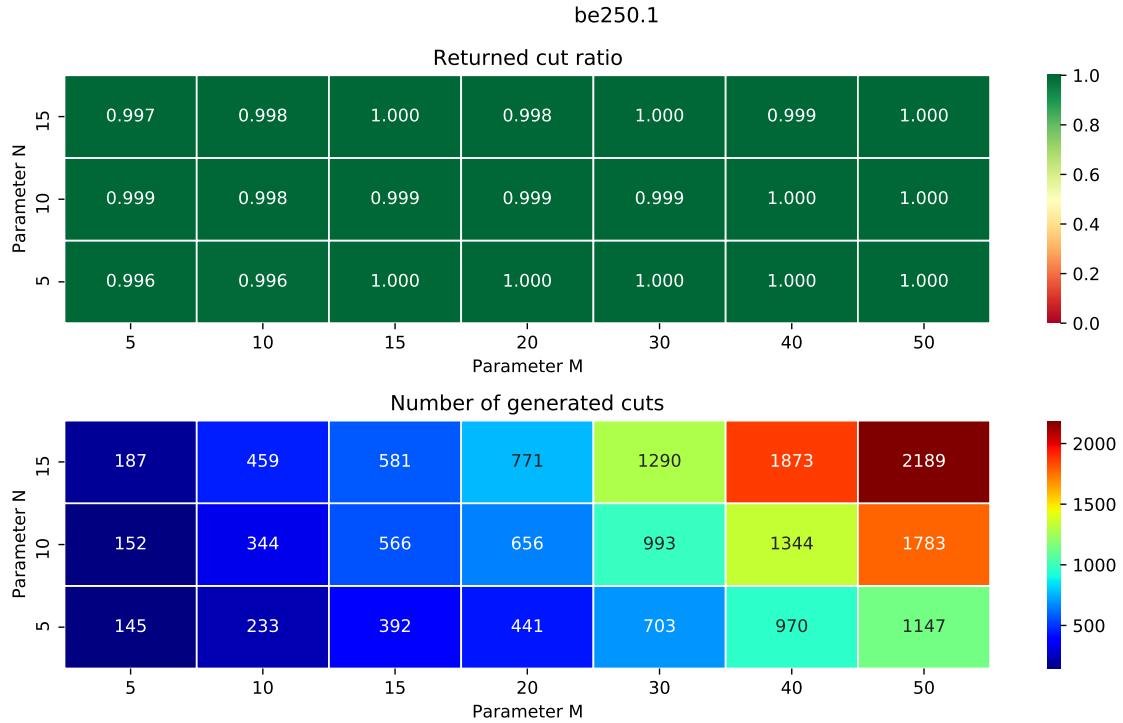


Figure 51: The top plot shows the ratio of returned value and optimal value and the bottom plot shows the number of generated cuts.

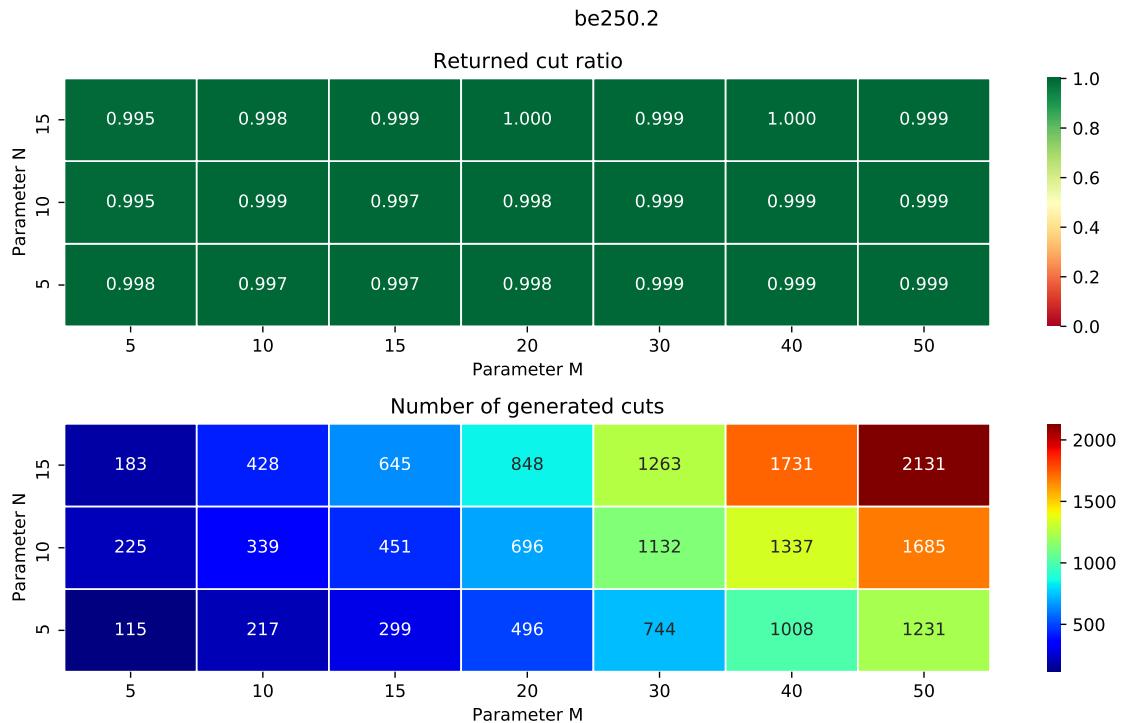


Figure 52: The top plot shows the ratio of returned value and optimal value and the bottom plot shows the number of generated cuts.

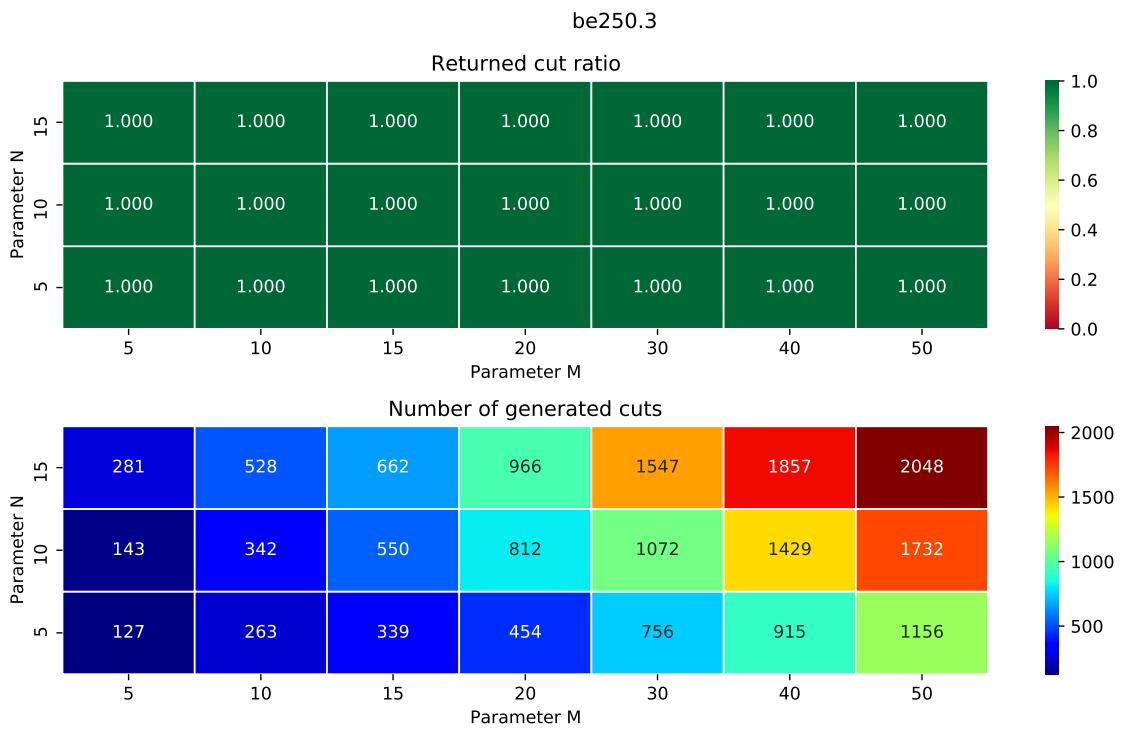


Figure 53: The top plot shows the ratio of returned value and optimal value and the bottom plot shows the number of generated cuts.

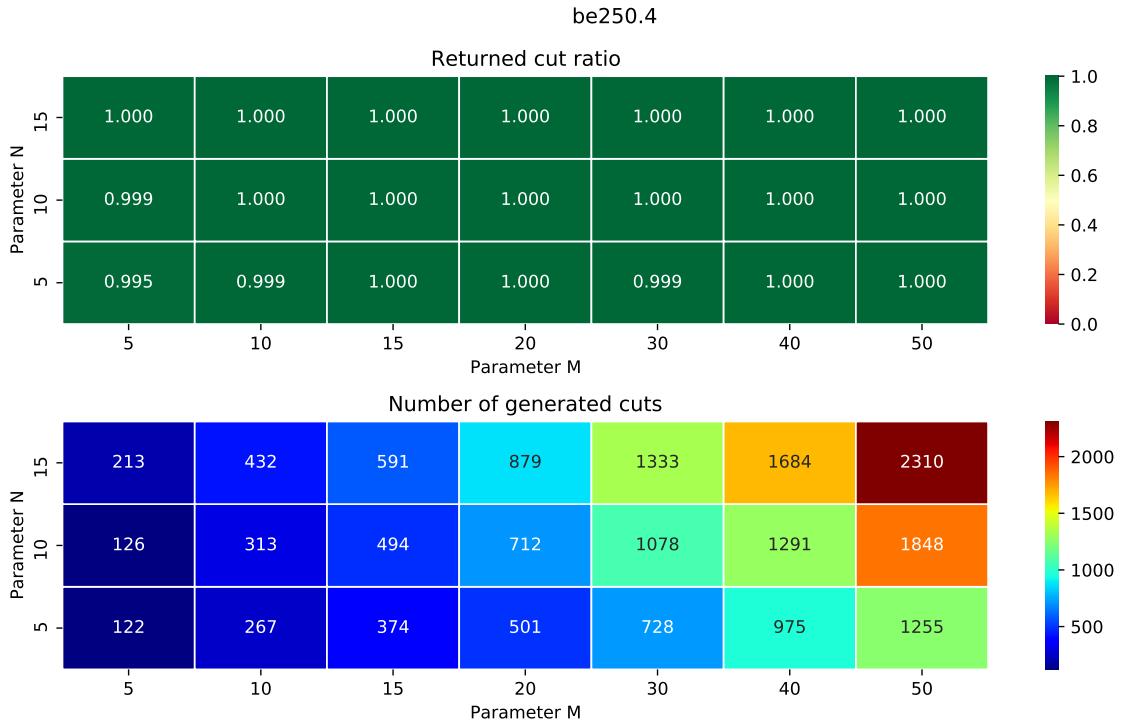


Figure 54: The top plot shows the ratio of returned value and optimal value and the bottom plot shows the number of generated cuts.

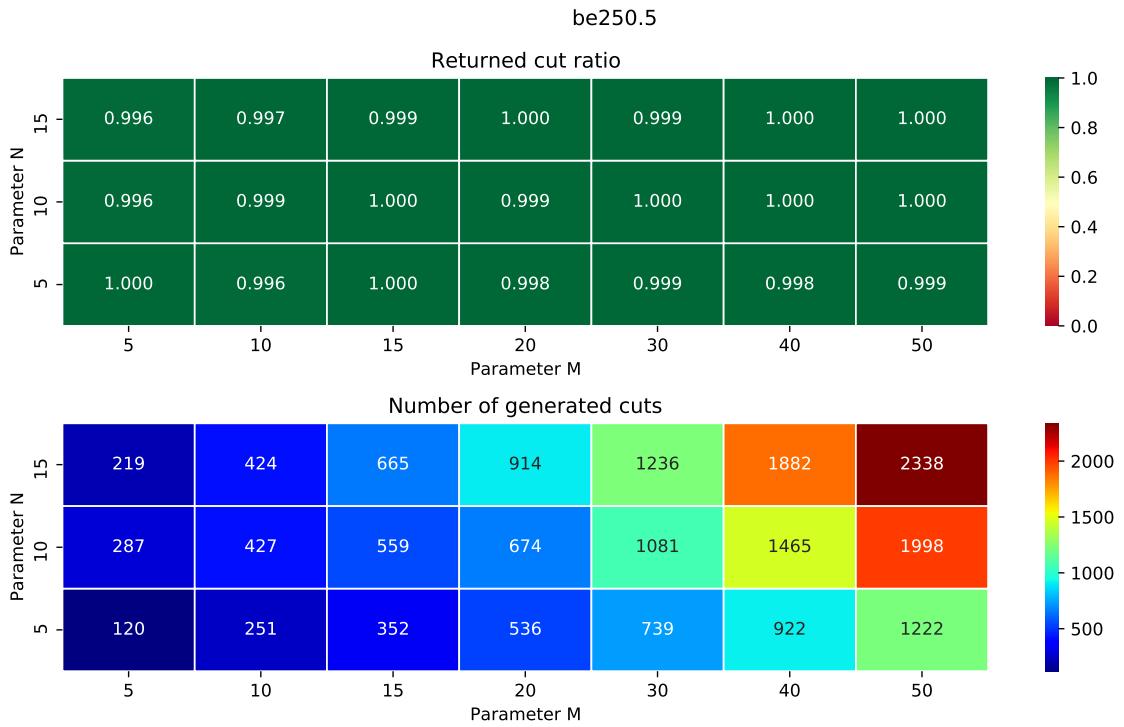


Figure 55: The top plot shows the ratio of returned value and optimal value and the bottom plot shows the number of generated cuts.

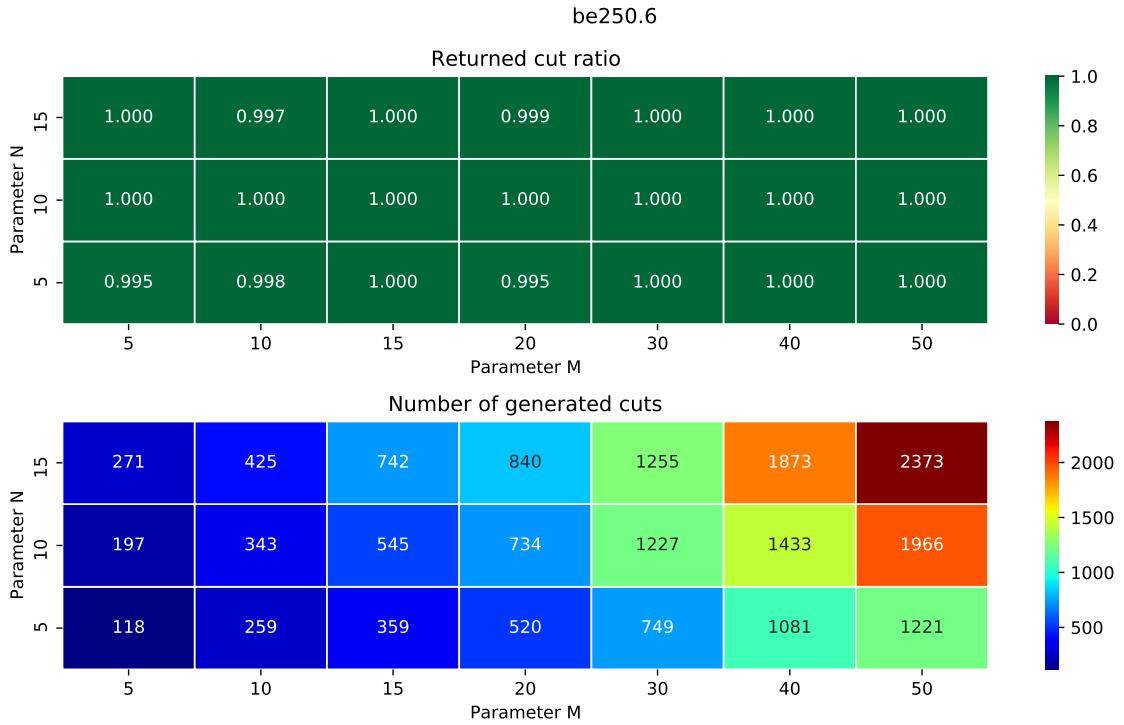


Figure 56: The top plot shows the ratio of returned value and optimal value and the bottom plot shows the number of generated cuts.

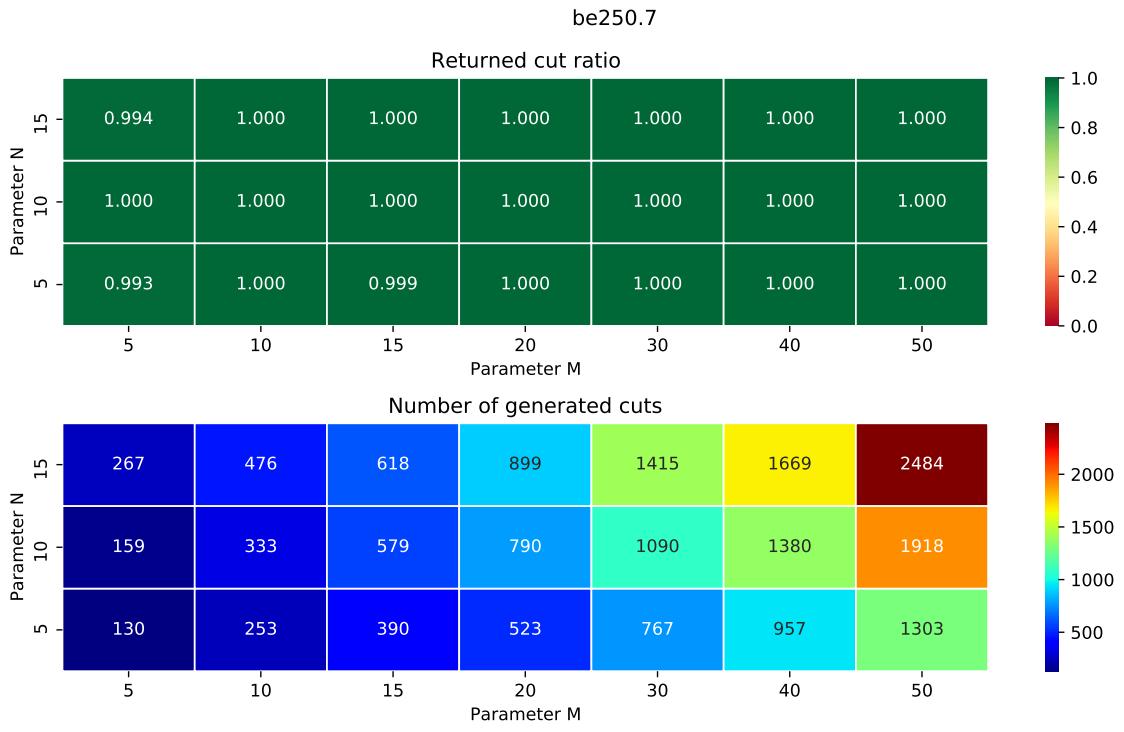


Figure 57: The top plot shows the ratio of returned value and optimal value and the bottom plot shows the number of generated cuts.

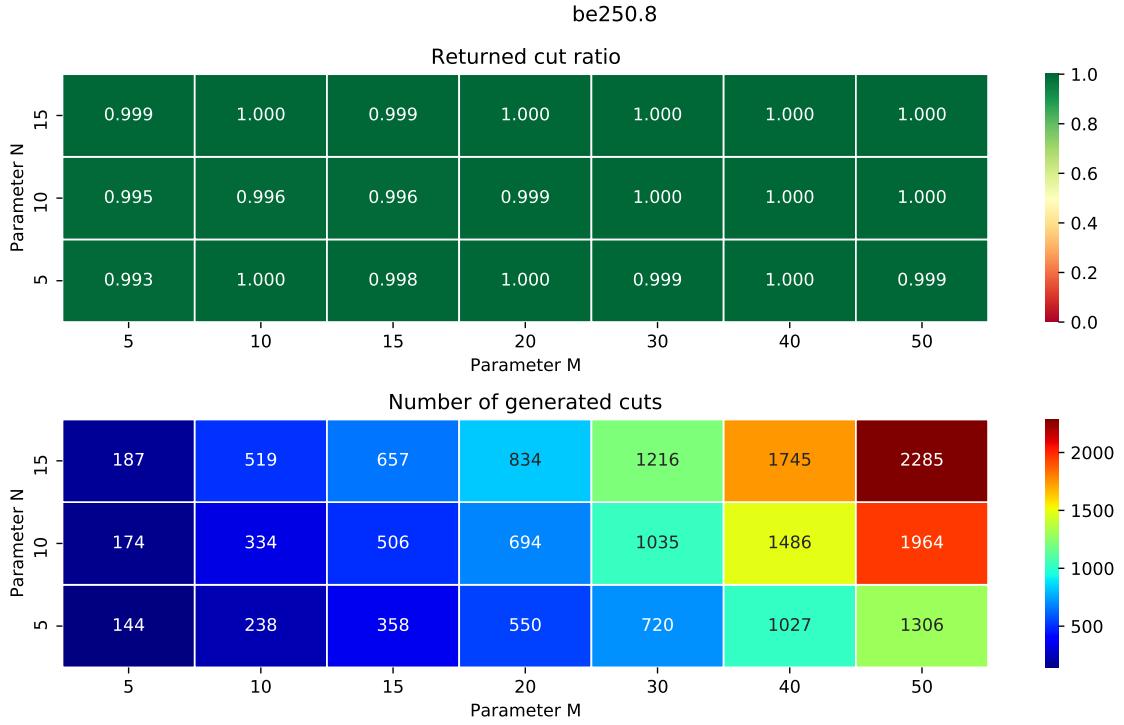


Figure 58: The top plot shows the ratio of returned value and optimal value and the bottom plot shows the number of generated cuts.

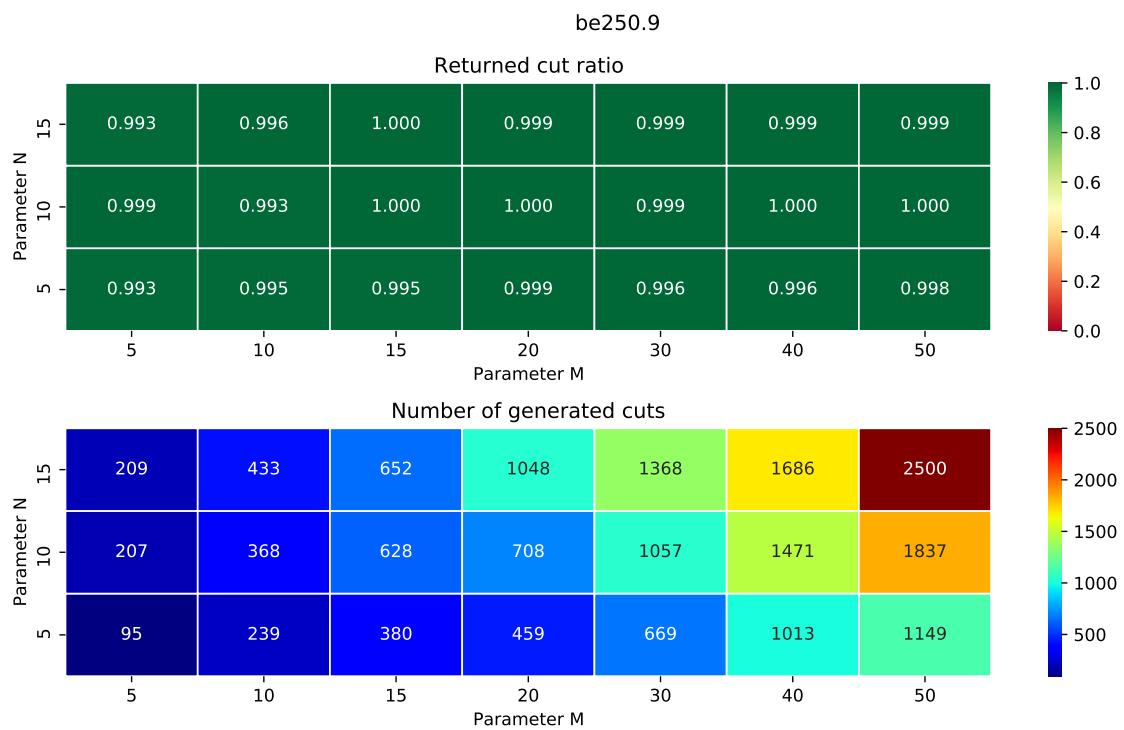


Figure 59: The top plot shows the ratio of returned value and optimal value and the bottom plot shows the number of generated cuts.

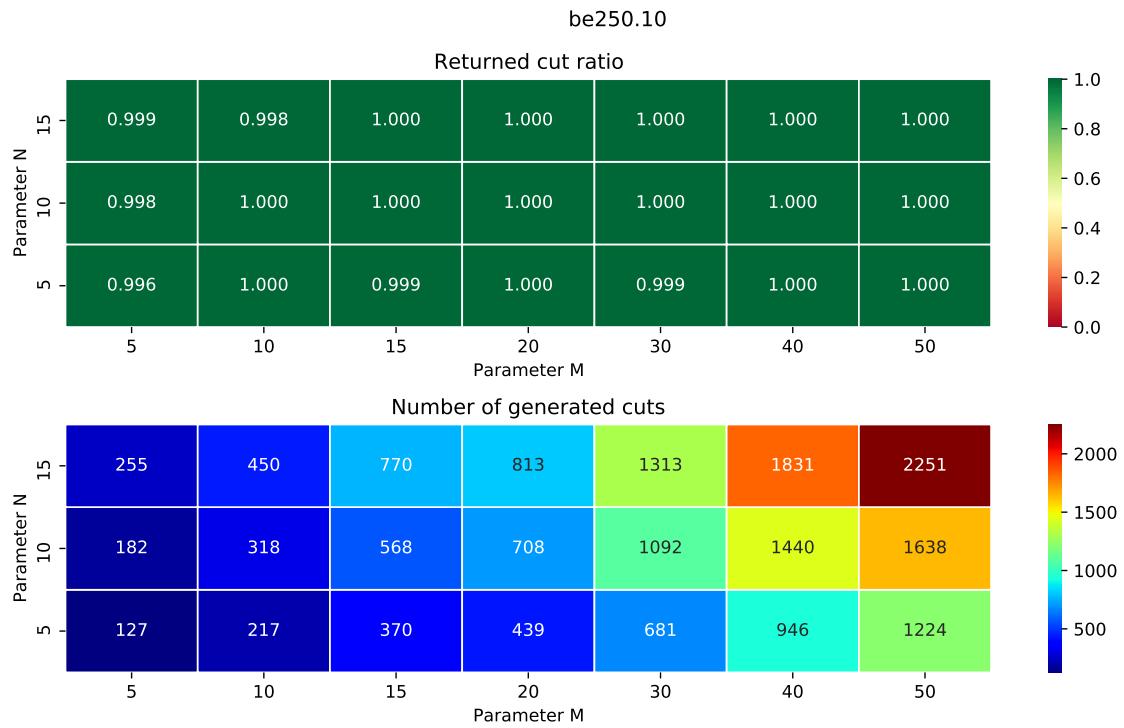


Figure 60: The top plot shows the ratio of returned value and optimal value and the bottom plot shows the number of generated cuts.

2.3 ben.3.i

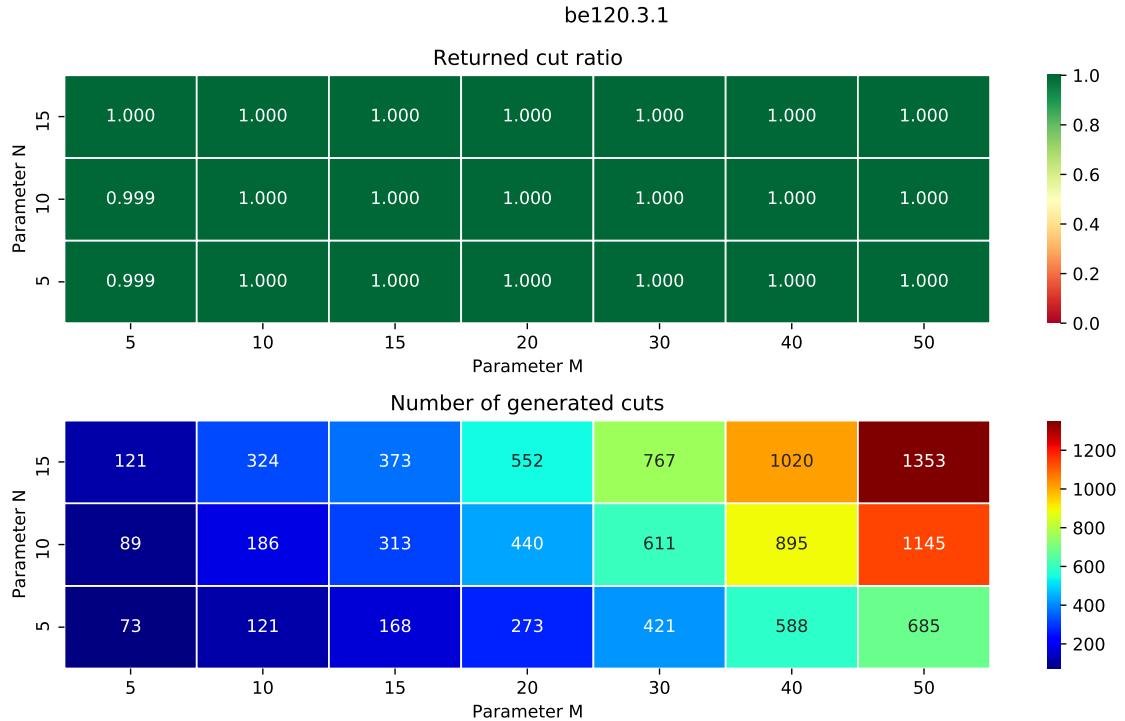


Figure 61: The top plot shows the ratio of returned value and optimal value and the bottom plot shows the number of generated cuts.

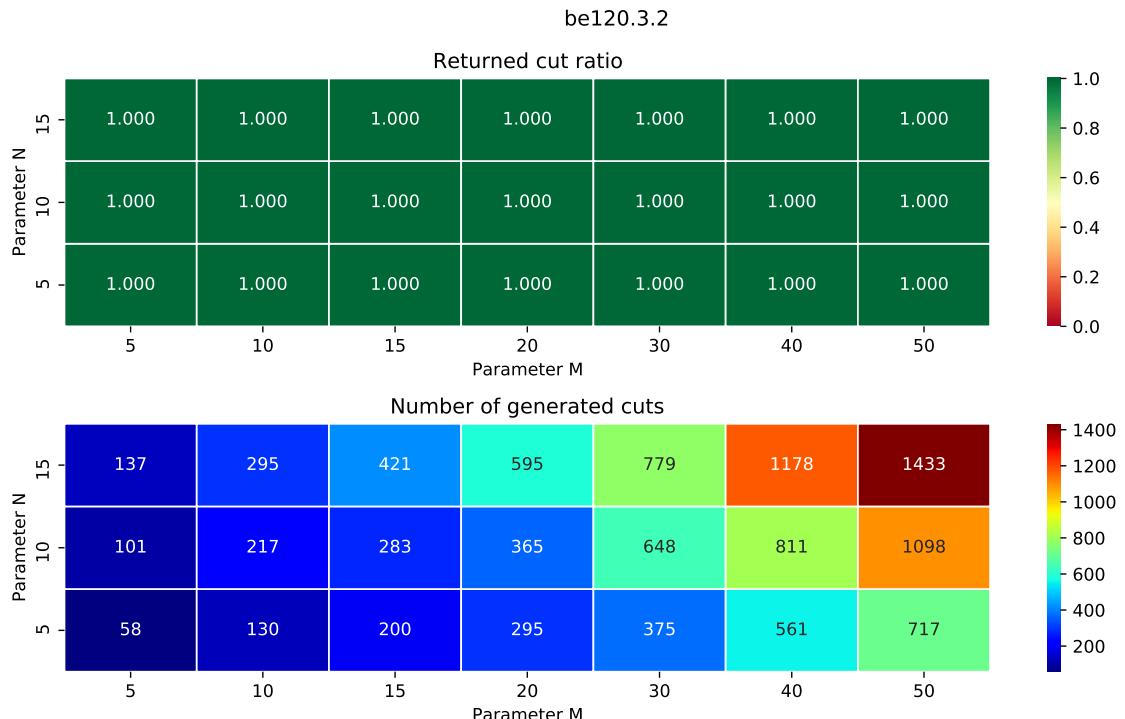


Figure 62: The top plot shows the ratio of returned value and optimal value and the bottom plot shows the number of generated cuts.

be120.3.3

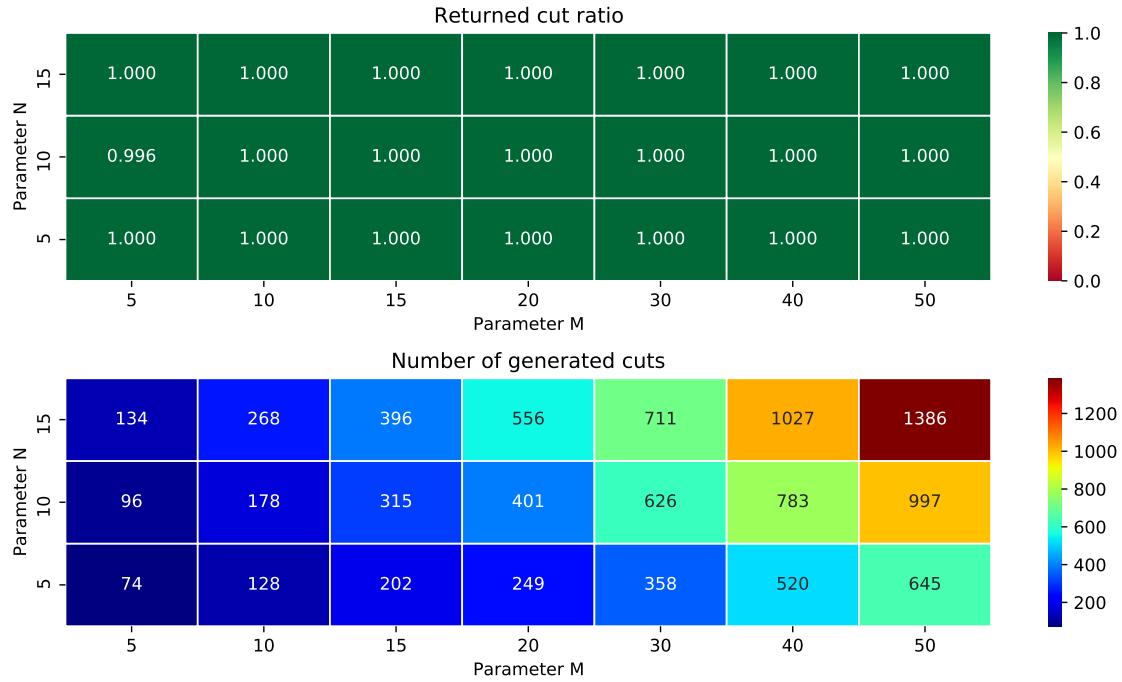


Figure 63: The top plot shows the ratio of returned value and optimal value and the bottom plot shows the number of generated cuts.

be120.3.4

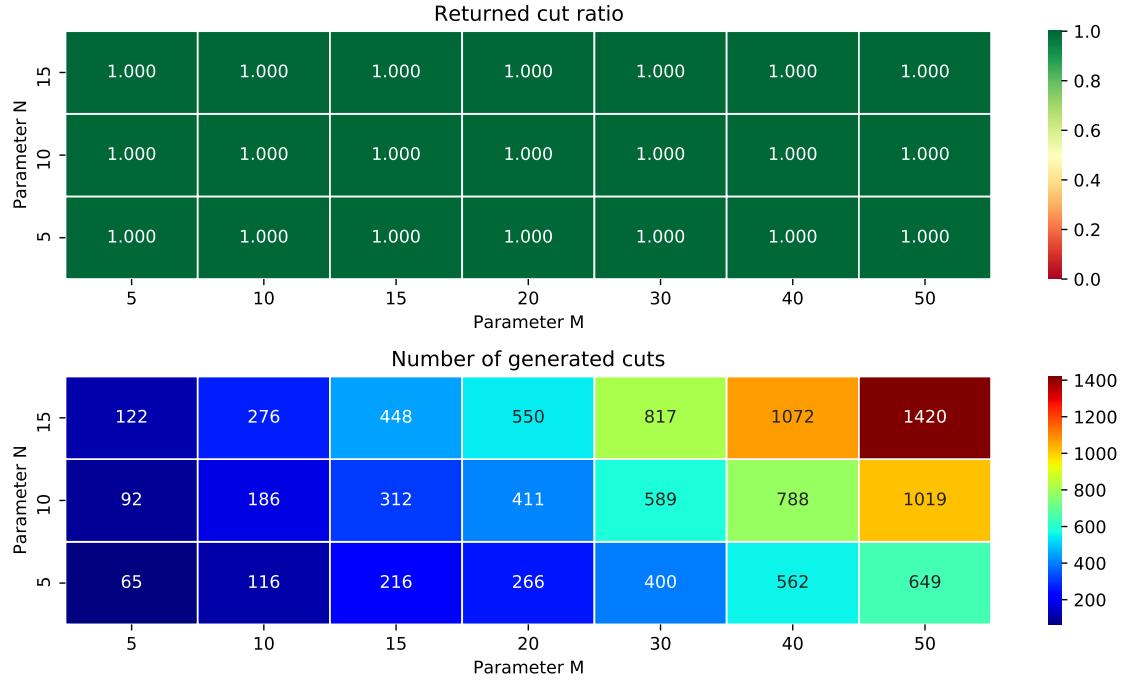


Figure 64: The top plot shows the ratio of returned value and optimal value and the bottom plot shows the number of generated cuts.

be120.3.5

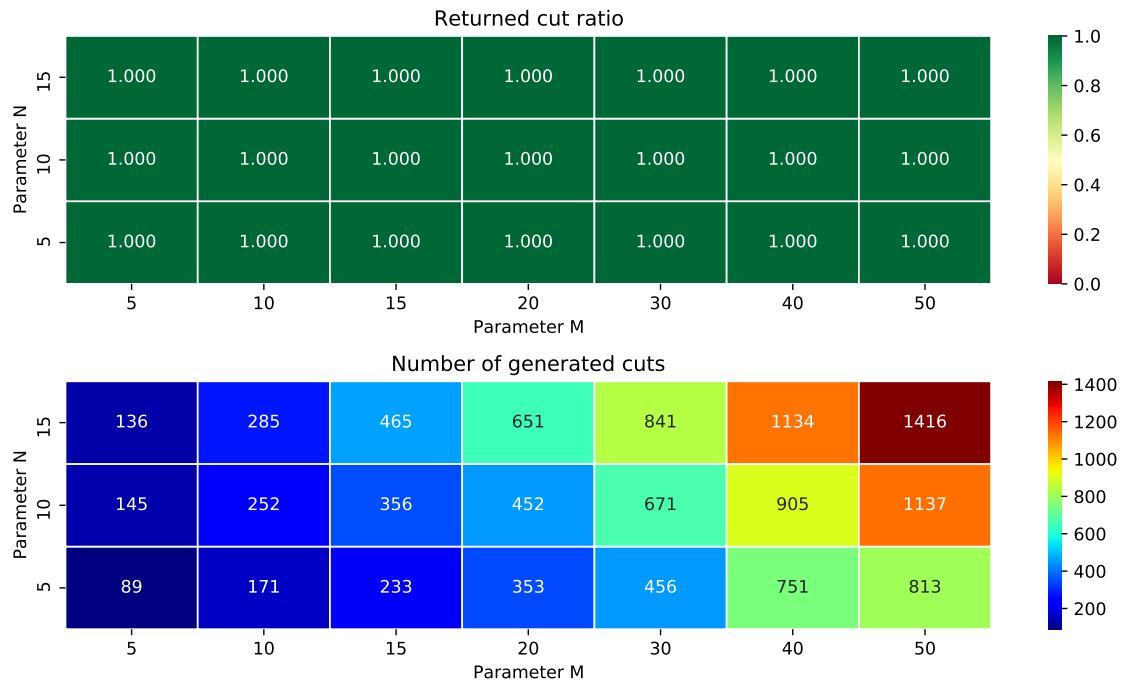


Figure 65: The top plot shows the ratio of returned value and optimal value and the bottom plot shows the number of generated cuts.

be120.3.6

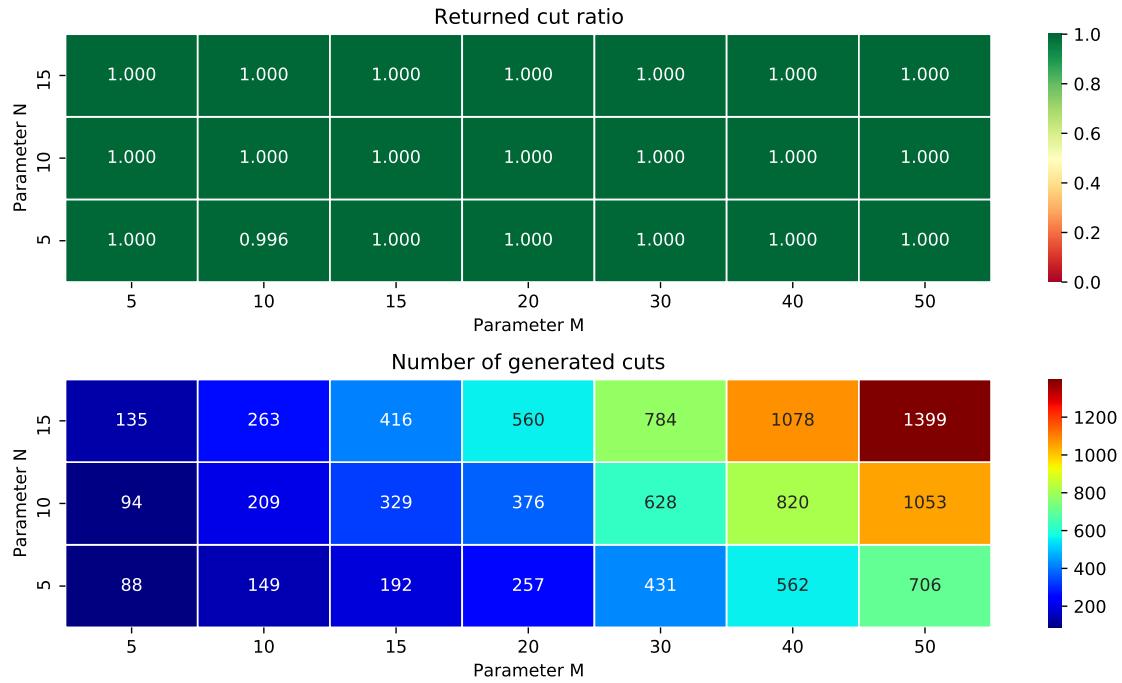


Figure 66: The top plot shows the ratio of returned value and optimal value and the bottom plot shows the number of generated cuts.

be120.3.7



Figure 67: The top plot shows the ratio of returned value and optimal value and the bottom plot shows the number of generated cuts.

be120.3.8

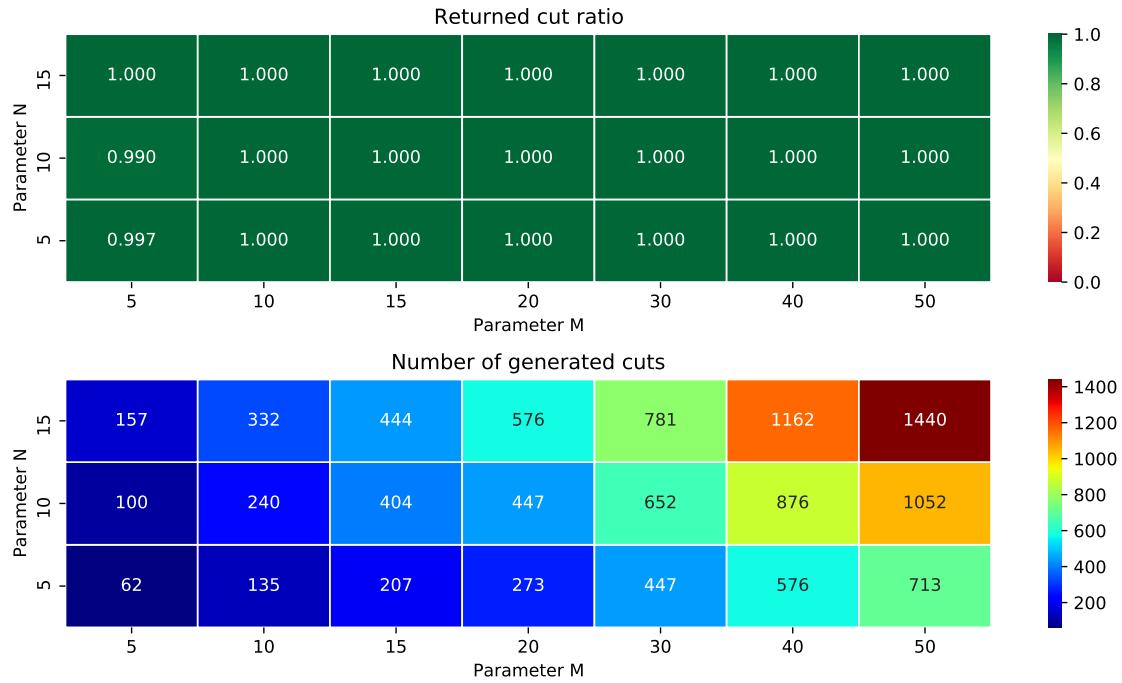


Figure 68: The top plot shows the ratio of returned value and optimal value and the bottom plot shows the number of generated cuts.

be120.3.9

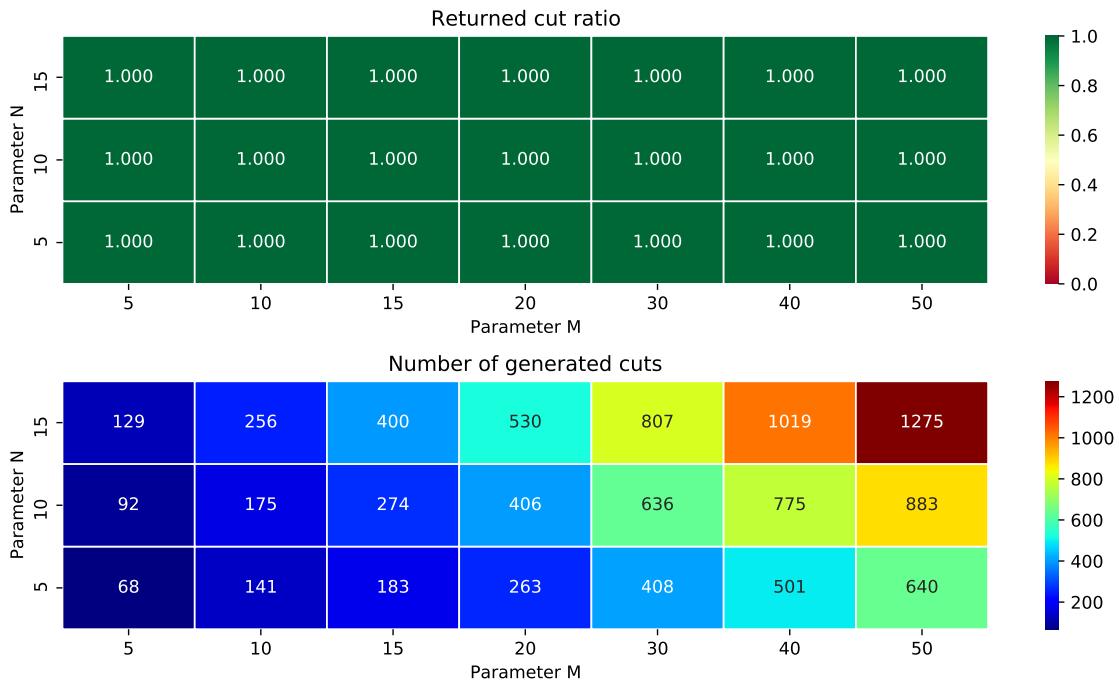


Figure 69: The top plot shows the ratio of returned value and optimal value and the bottom plot shows the number of generated cuts.

be120.3.10

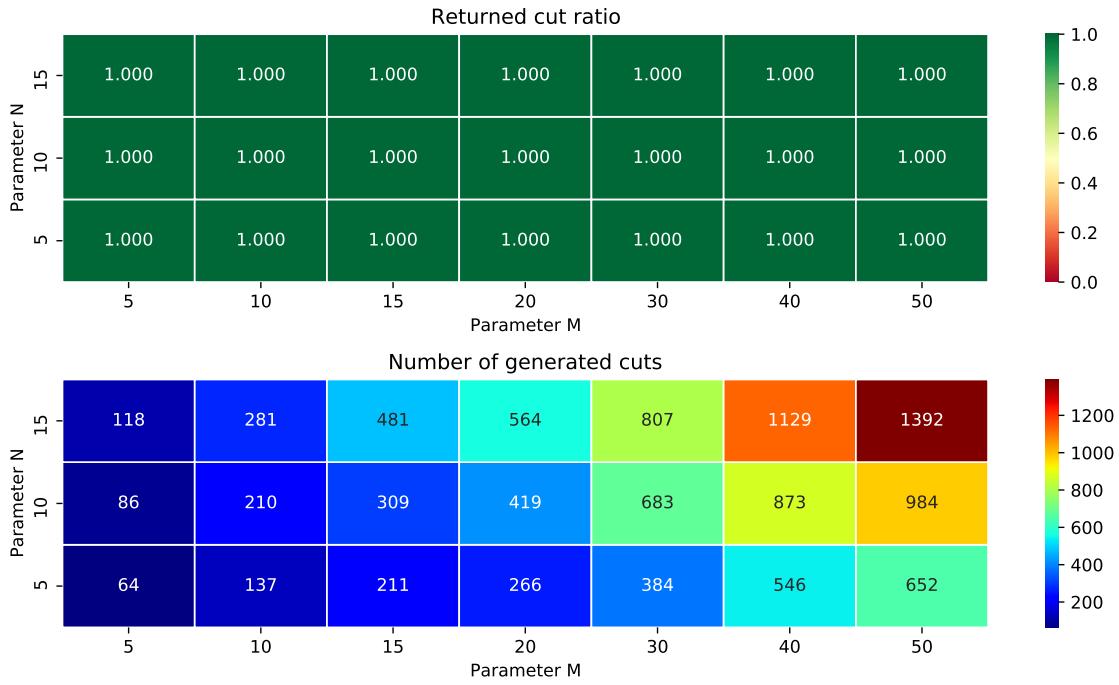


Figure 70: The top plot shows the ratio of returned value and optimal value and the bottom plot shows the number of generated cuts.

be150.3.1

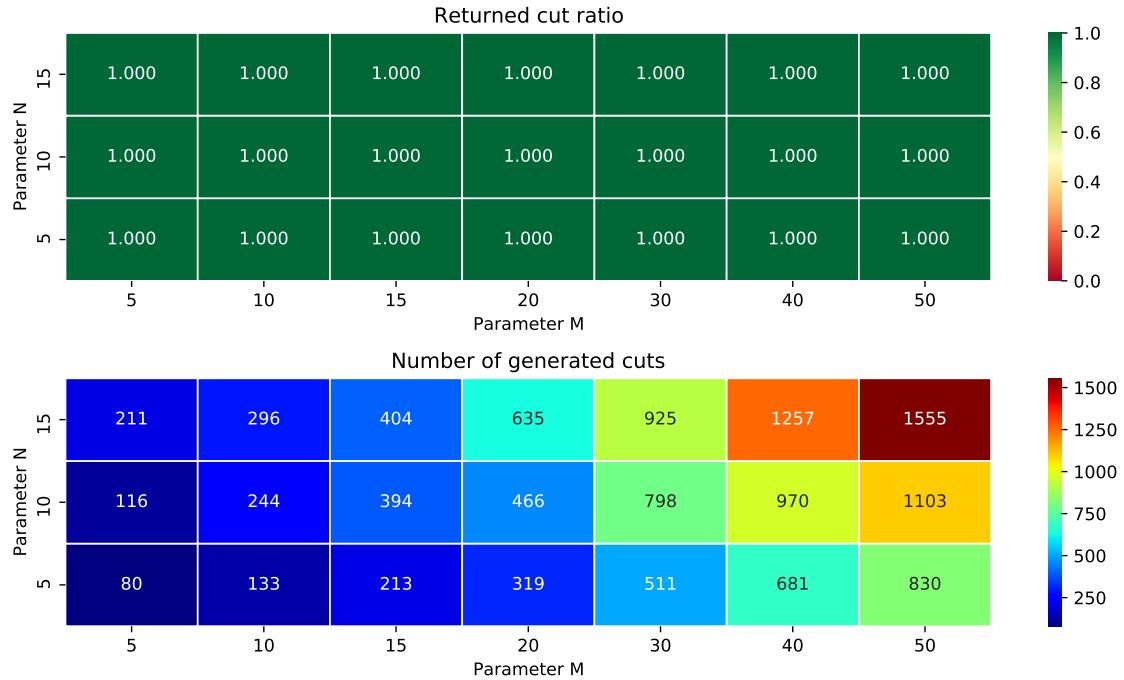


Figure 71: The top plot shows the ratio of returned value and optimal value and the bottom plot shows the number of generated cuts.

be150.3.2

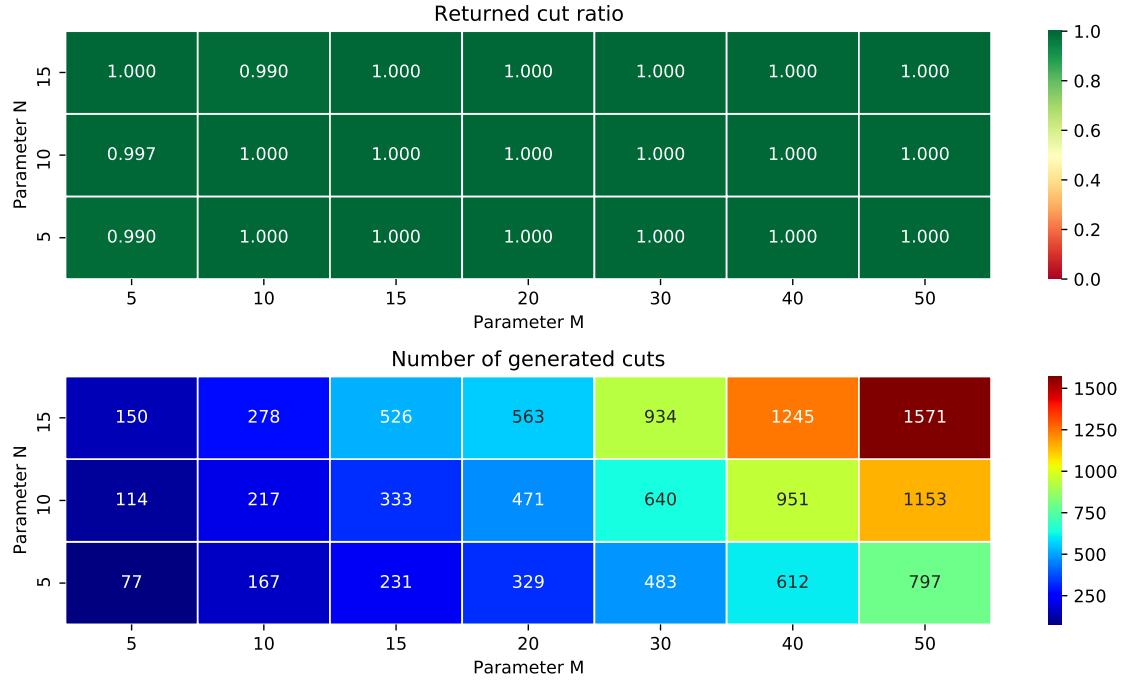


Figure 72: The top plot shows the ratio of returned value and optimal value and the bottom plot shows the number of generated cuts.

be150.3.3



Figure 73: The top plot shows the ratio of returned value and optimal value and the bottom plot shows the number of generated cuts.

be150.3.4

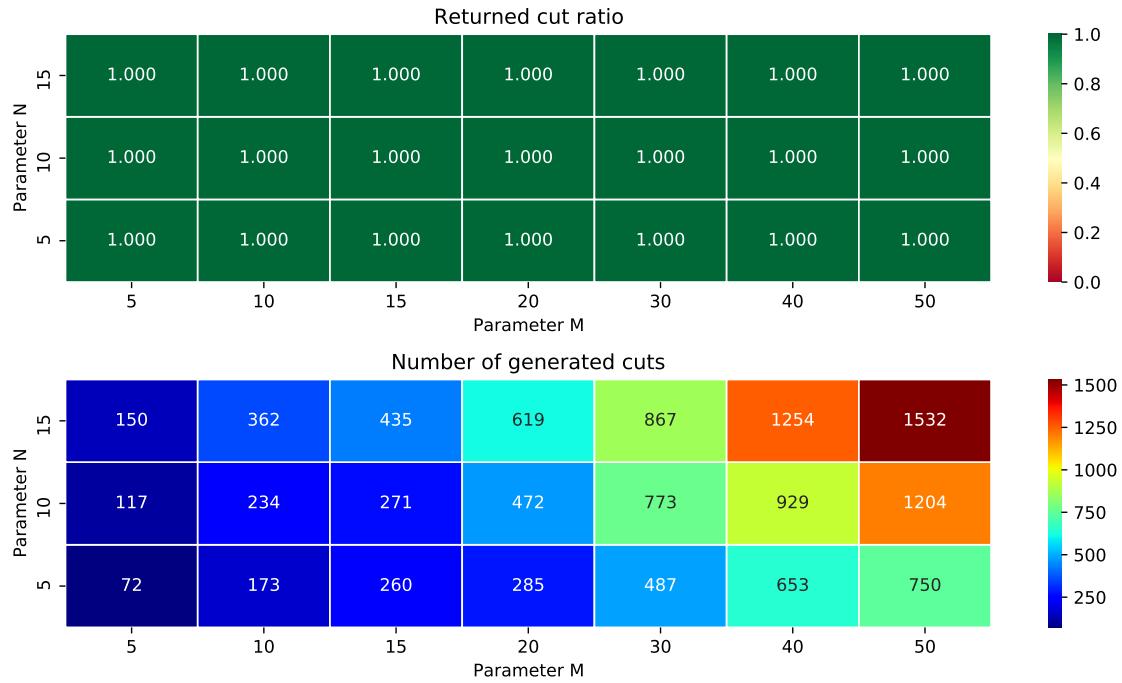


Figure 74: The top plot shows the ratio of returned value and optimal value and the bottom plot shows the number of generated cuts.

be150.3.5

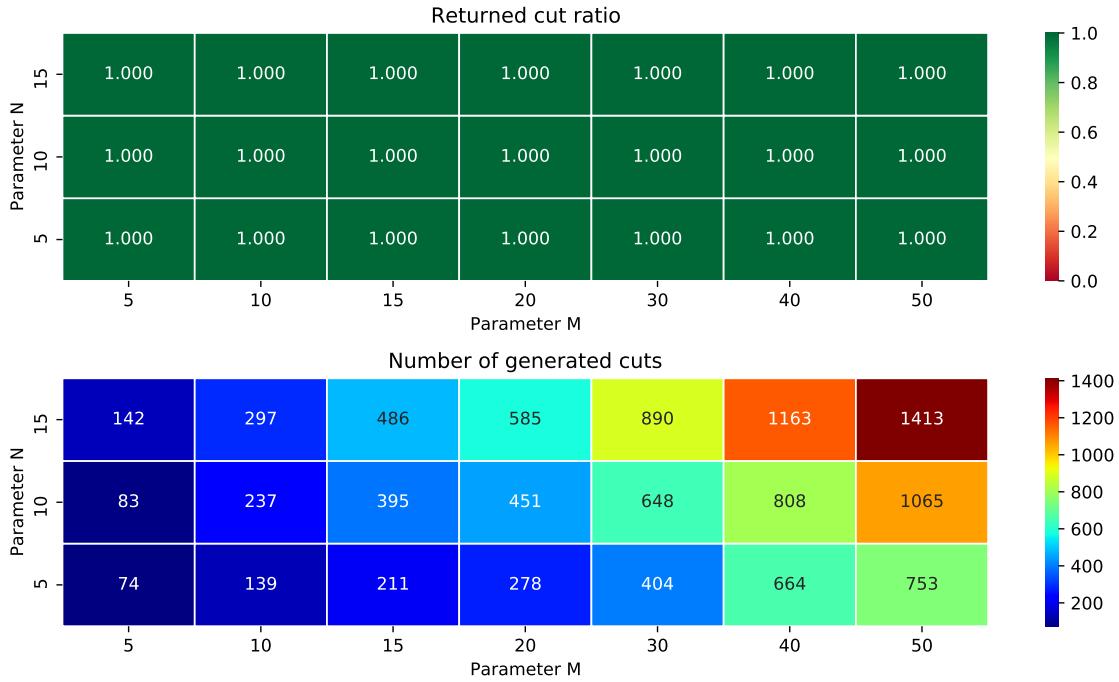


Figure 75: The top plot shows the ratio of returned value and optimal value and the bottom plot shows the number of generated cuts.

be150.3.6

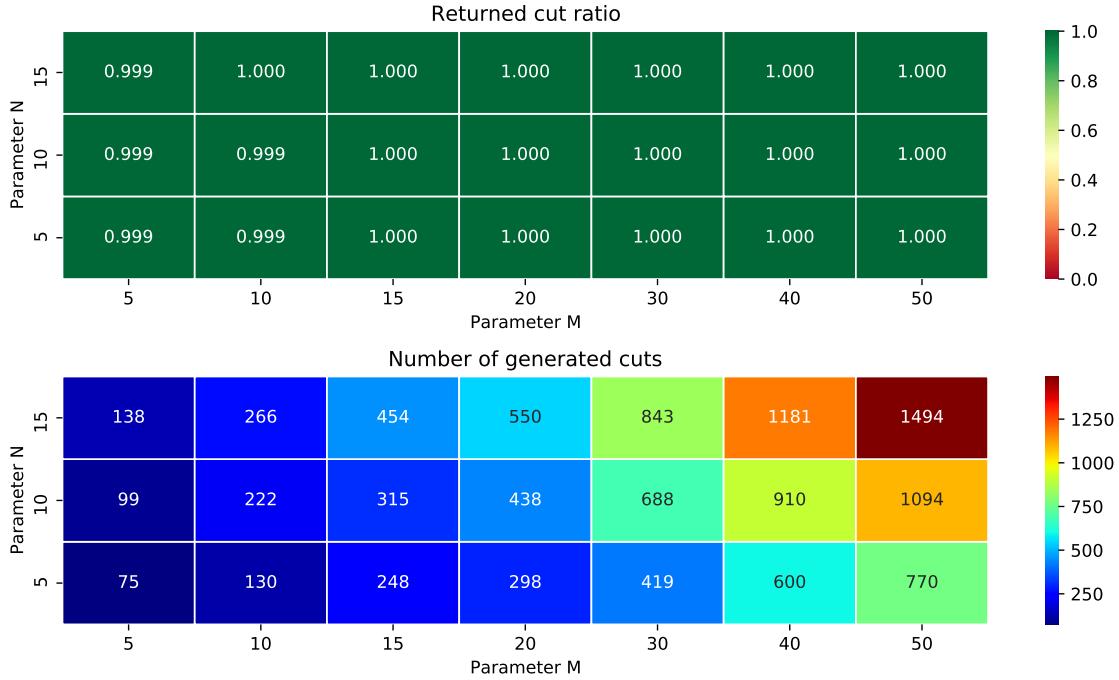


Figure 76: The top plot shows the ratio of returned value and optimal value and the bottom plot shows the number of generated cuts.

be150.3.7

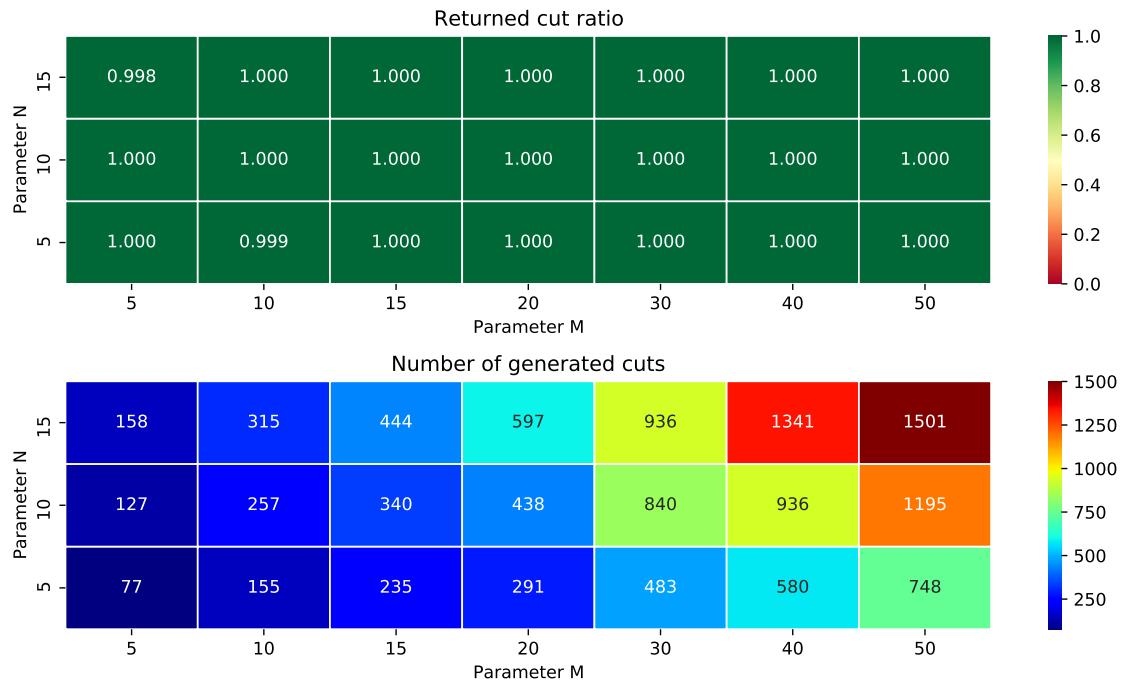


Figure 77: The top plot shows the ratio of returned value and optimal value and the bottom plot shows the number of generated cuts.

be150.3.8

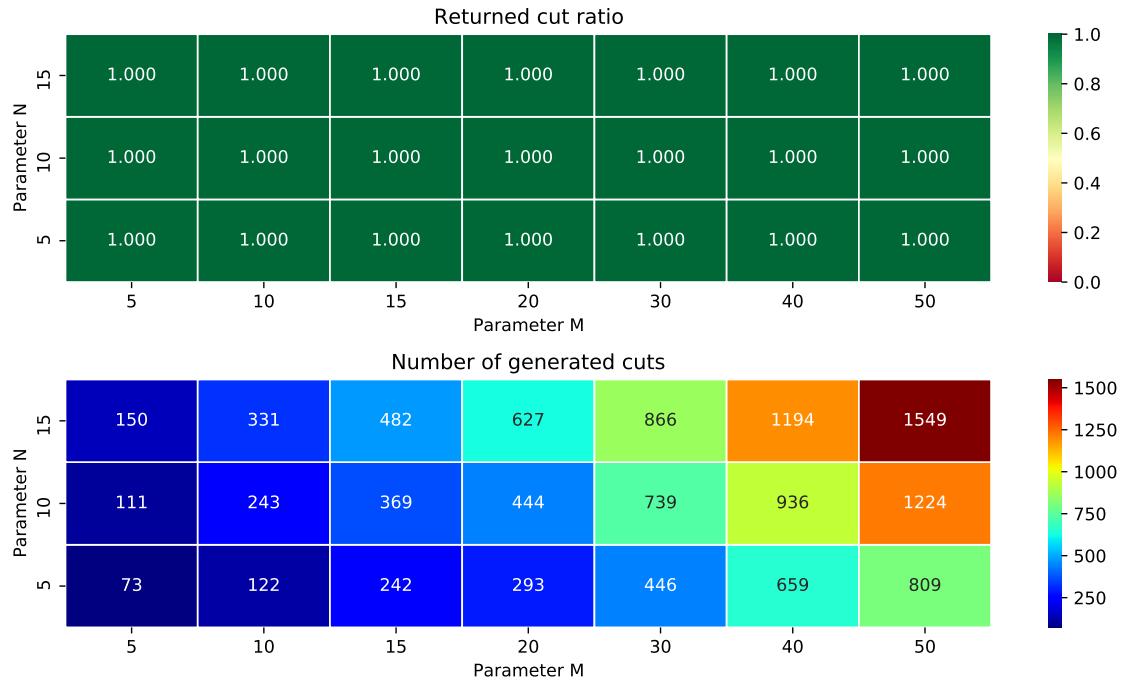


Figure 78: The top plot shows the ratio of returned value and optimal value and the bottom plot shows the number of generated cuts.

be150.3.9

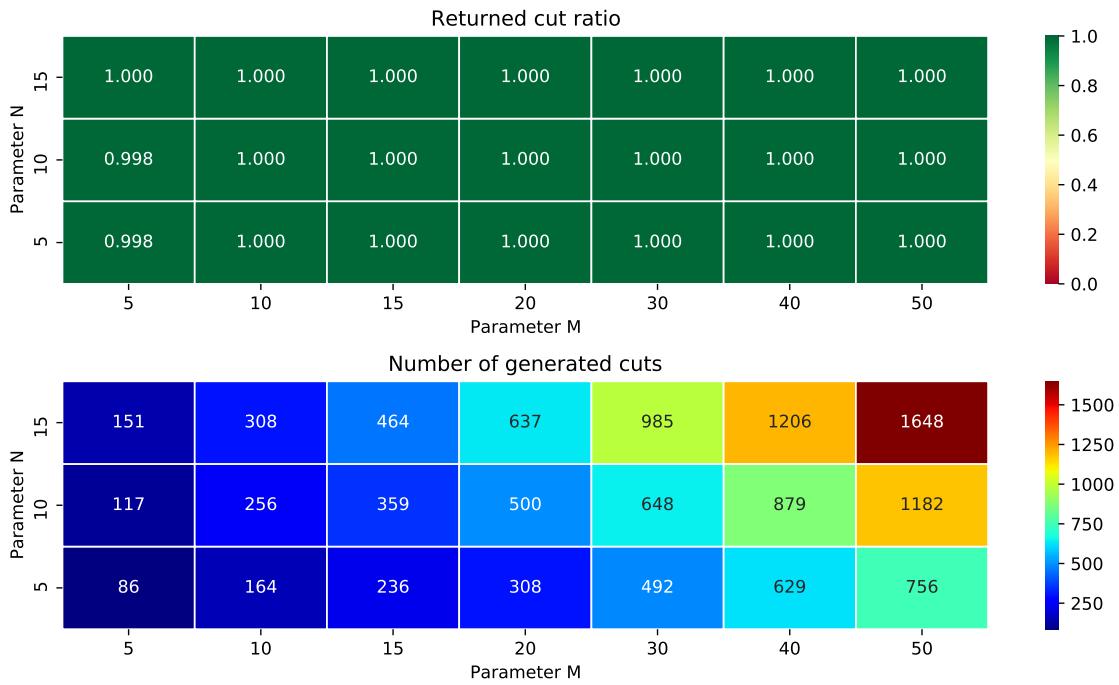


Figure 79: The top plot shows the ratio of returned value and optimal value and the bottom plot shows the number of generated cuts.

be150.3.10

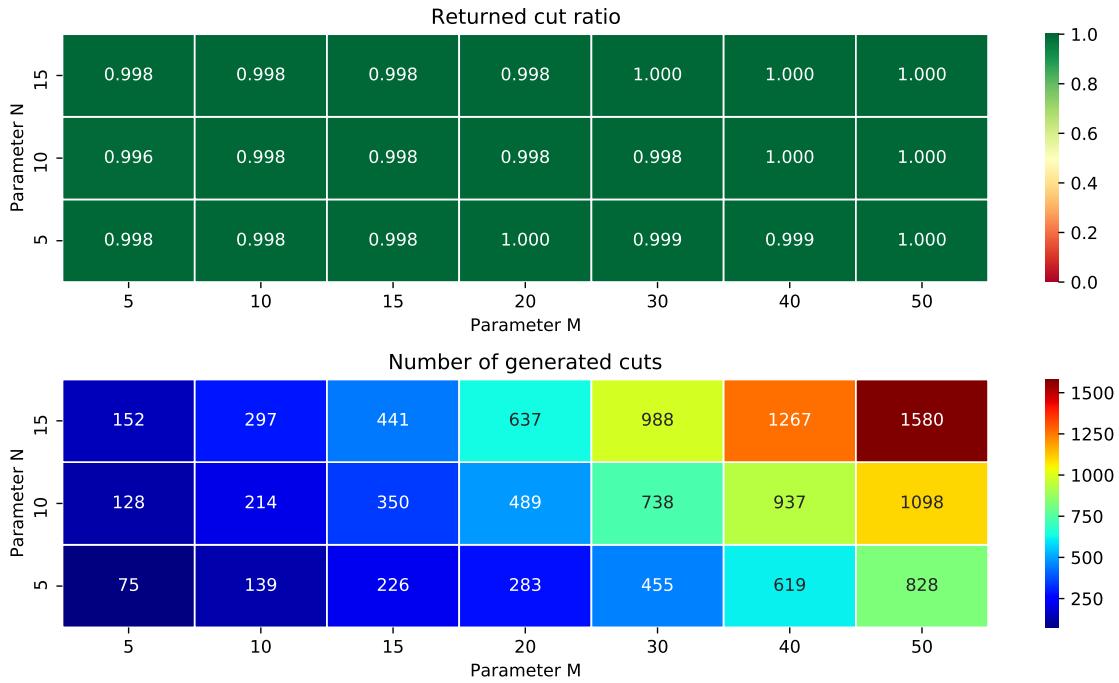


Figure 80: The top plot shows the ratio of returned value and optimal value and the bottom plot shows the number of generated cuts.

be200.3.1

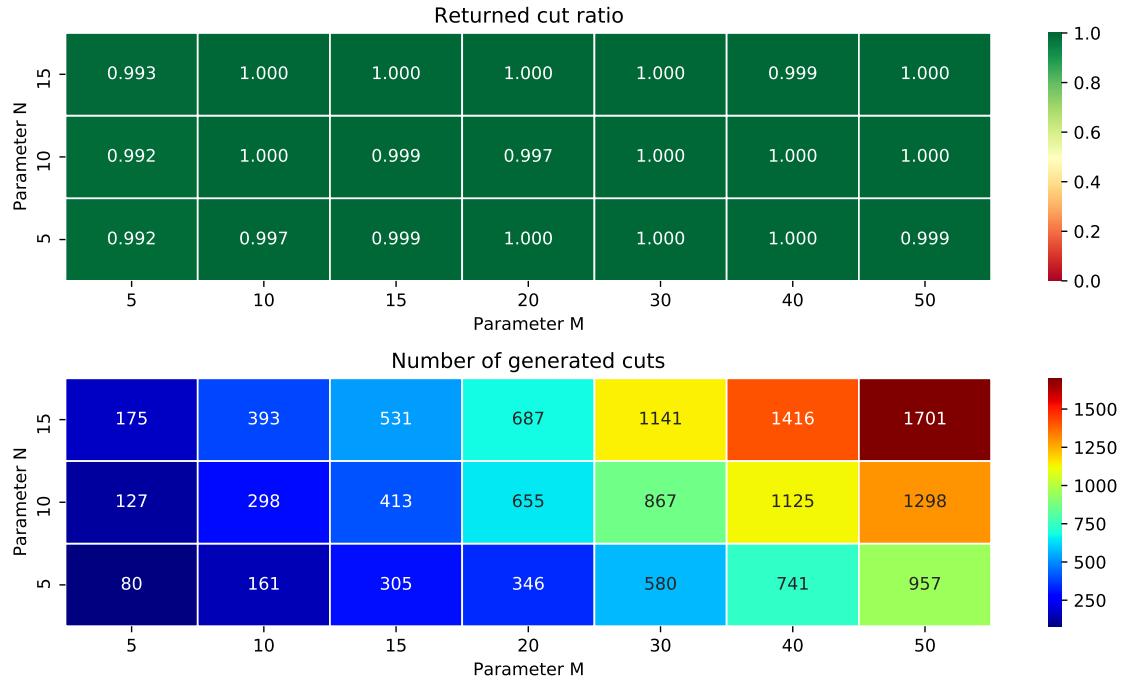


Figure 81: The top plot shows the ratio of returned value and optimal value and the bottom plot shows the number of generated cuts.

be200.3.2

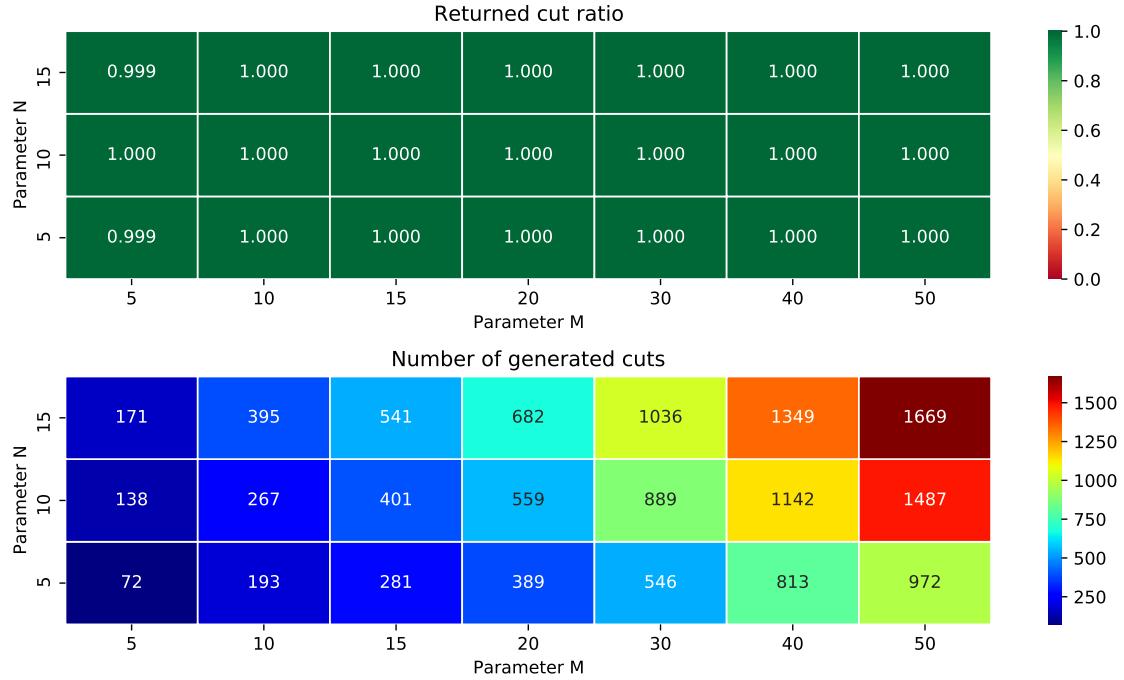


Figure 82: The top plot shows the ratio of returned value and optimal value and the bottom plot shows the number of generated cuts.

be200.3.3

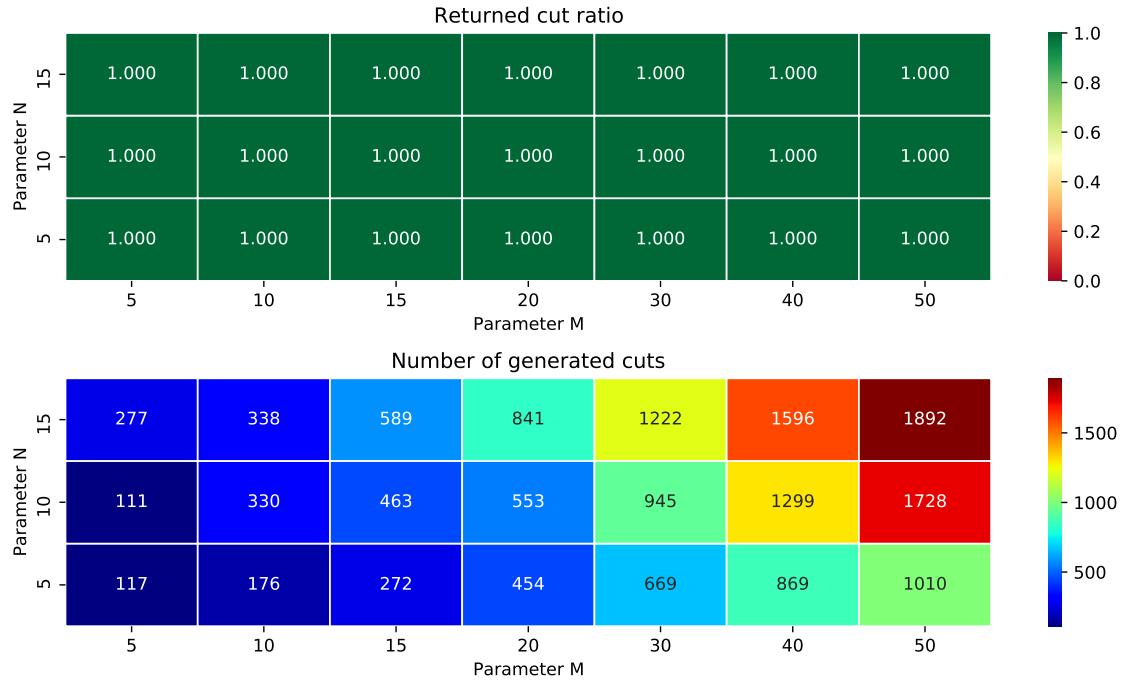


Figure 83: The top plot shows the ratio of returned value and optimal value and the bottom plot shows the number of generated cuts.

be200.3.4

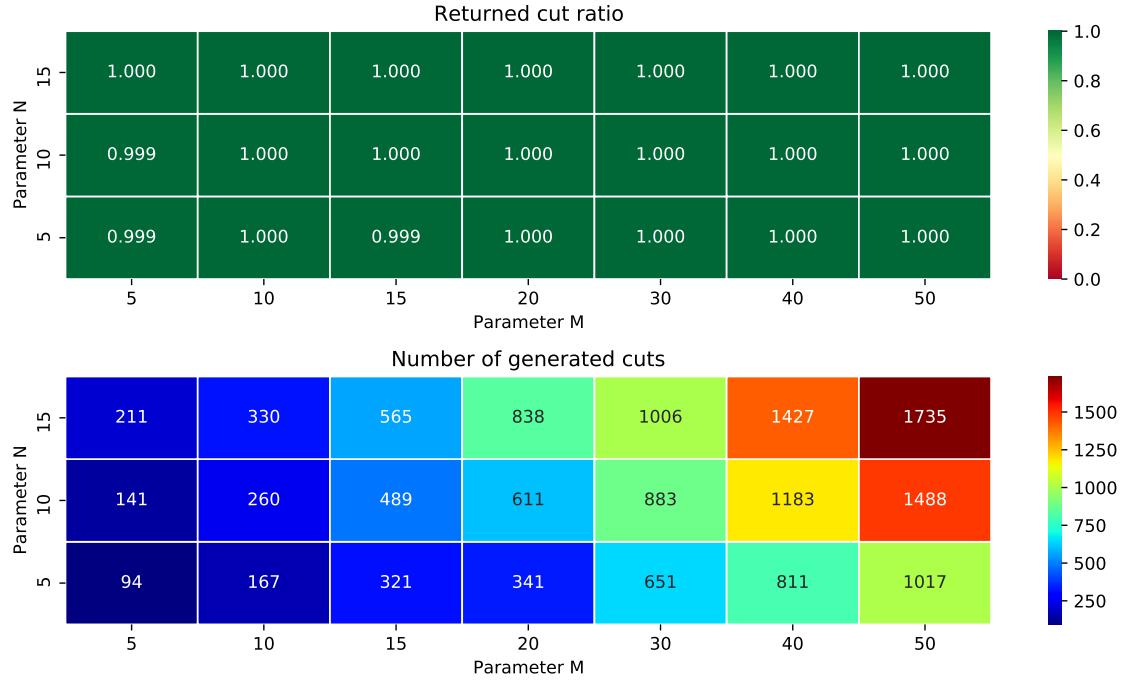


Figure 84: The top plot shows the ratio of returned value and optimal value and the bottom plot shows the number of generated cuts.

be200.3.5

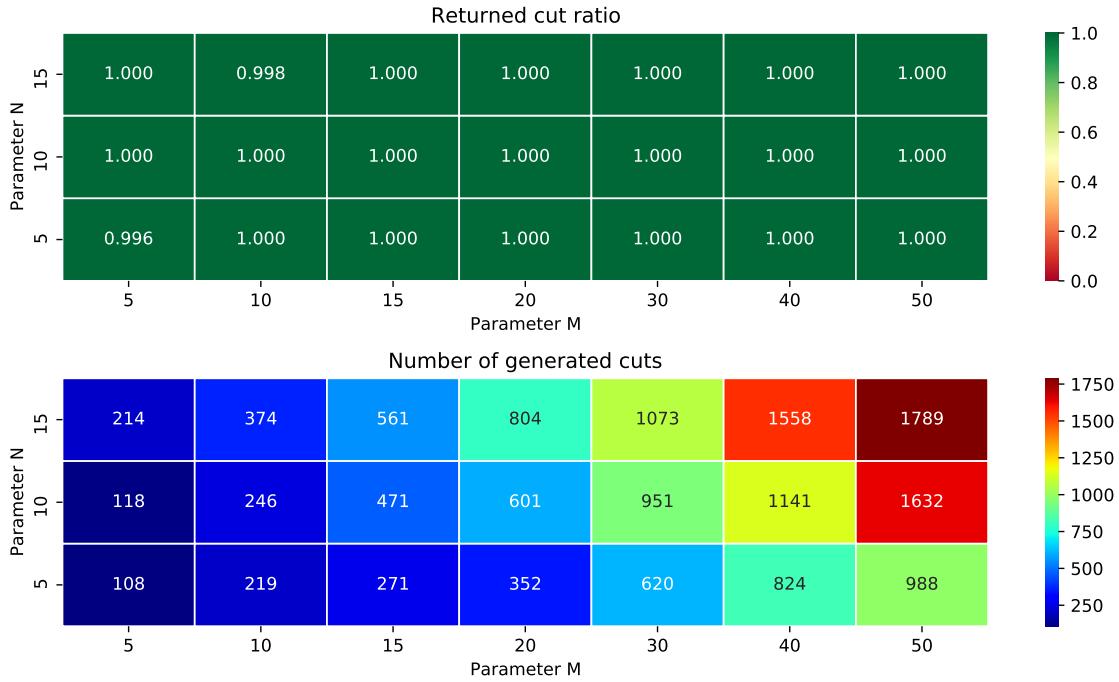


Figure 85: The top plot shows the ratio of returned value and optimal value and the bottom plot shows the number of generated cuts.

be200.3.6

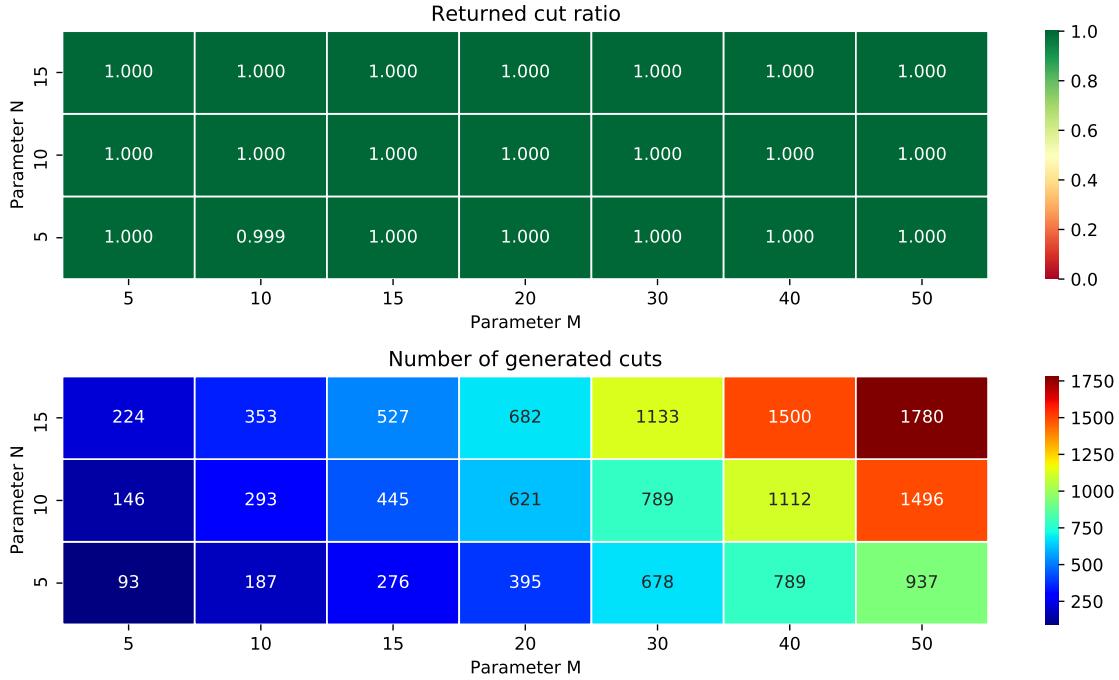


Figure 86: The top plot shows the ratio of returned value and optimal value and the bottom plot shows the number of generated cuts.

be200.3.7

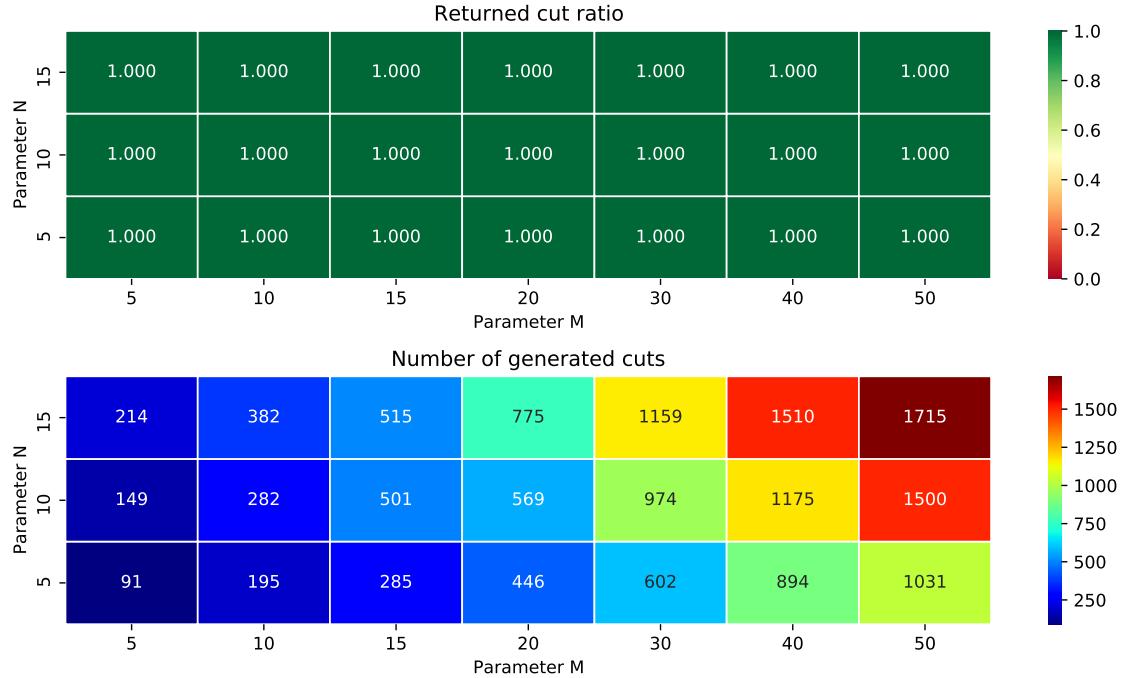


Figure 87: The top plot shows the ratio of returned value and optimal value and the bottom plot shows the number of generated cuts.

be200.3.8

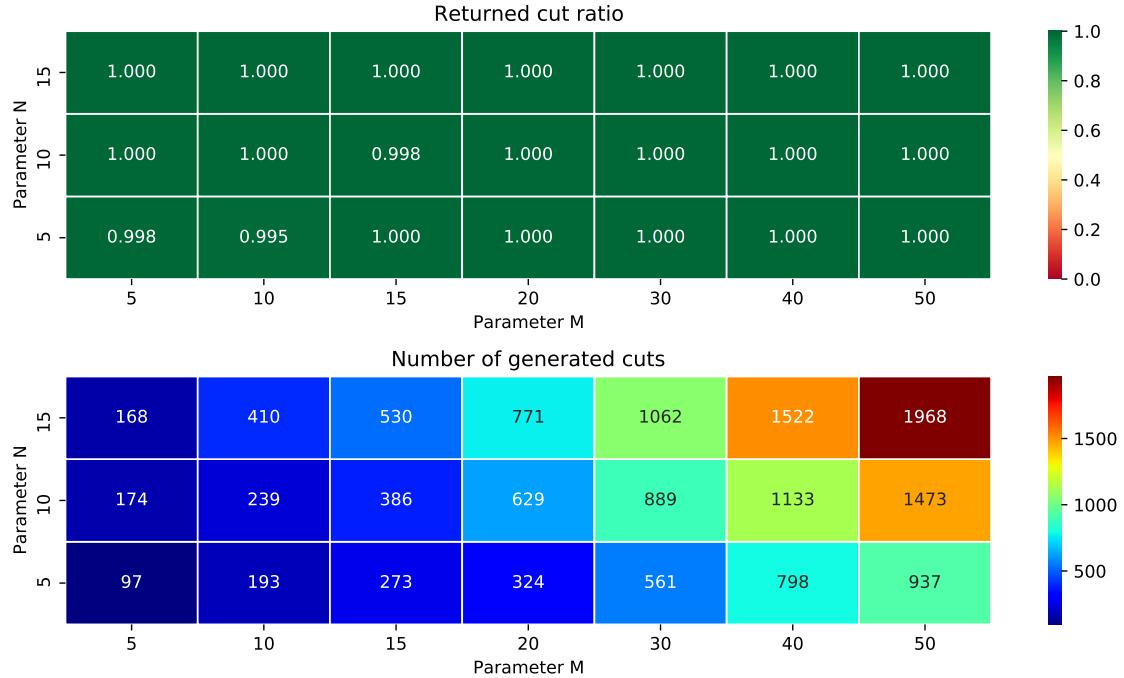


Figure 88: The top plot shows the ratio of returned value and optimal value and the bottom plot shows the number of generated cuts.

be200.3.9

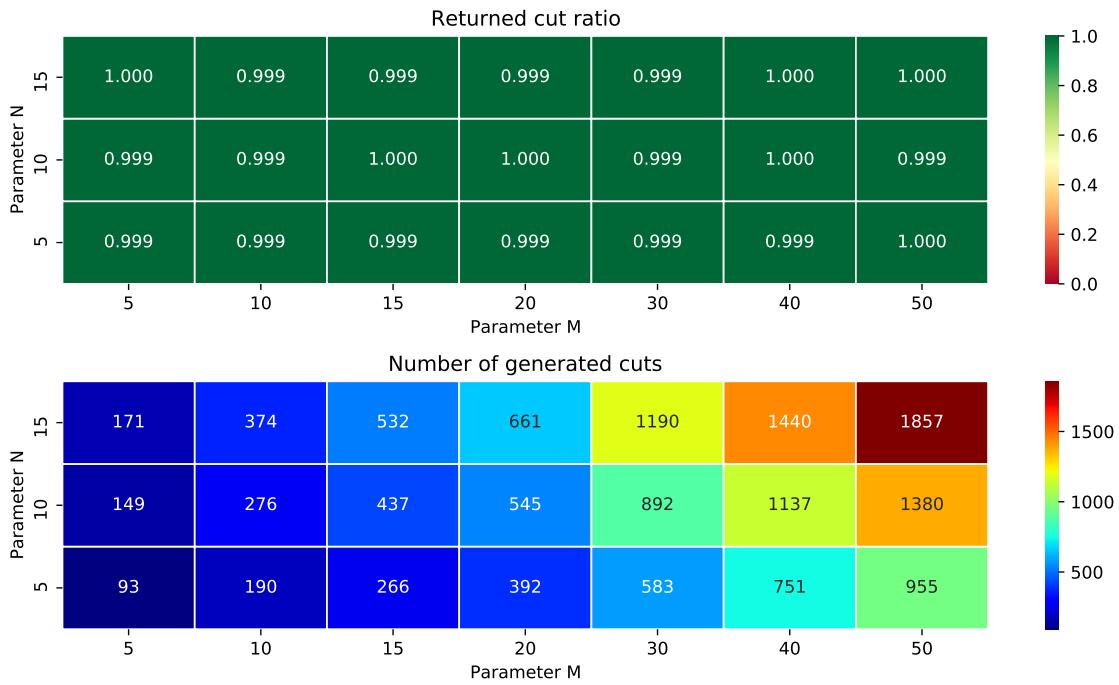


Figure 89: The top plot shows the ratio of returned value and optimal value and the bottom plot shows the number of generated cuts.

be200.3.10

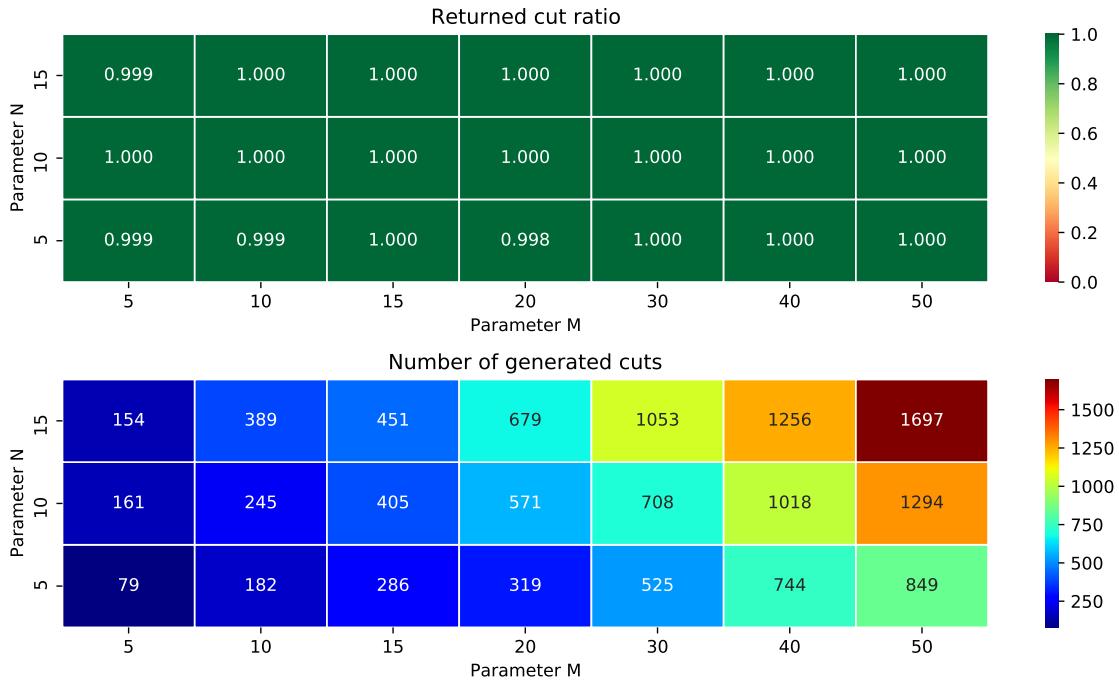


Figure 90: The top plot shows the ratio of returned value and optimal value and the bottom plot shows the number of generated cuts.

2.4 ben.8.i

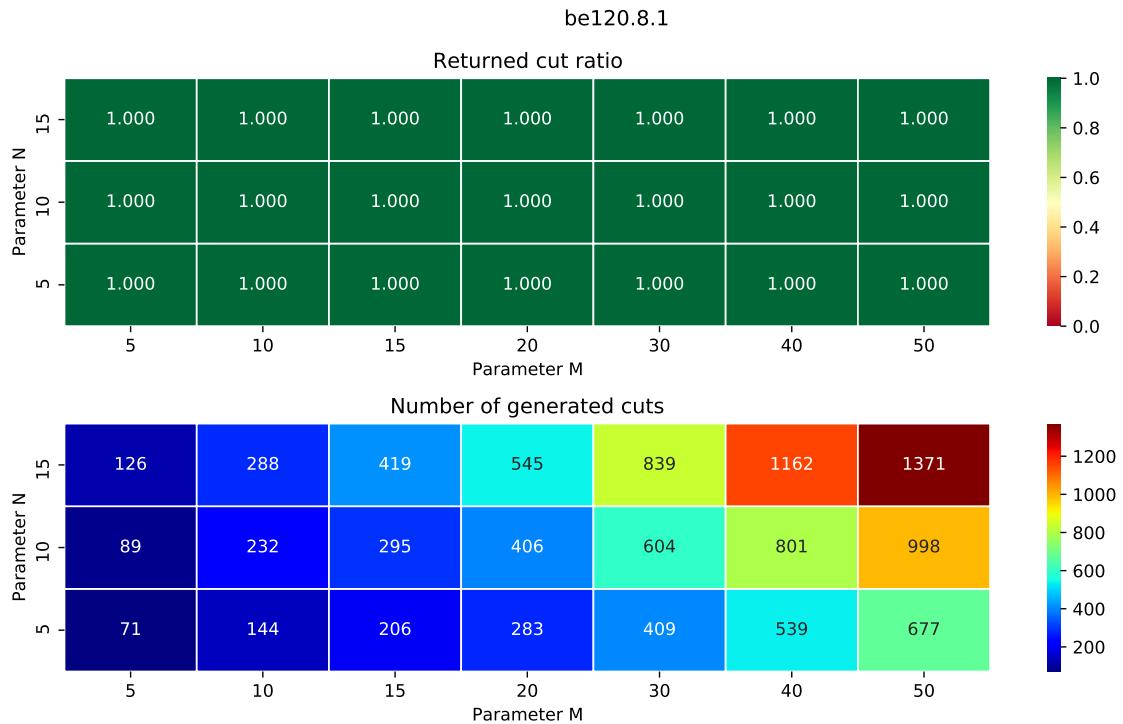


Figure 91: The top plot shows the ratio of returned value and optimal value and the bottom plot shows the number of generated cuts.

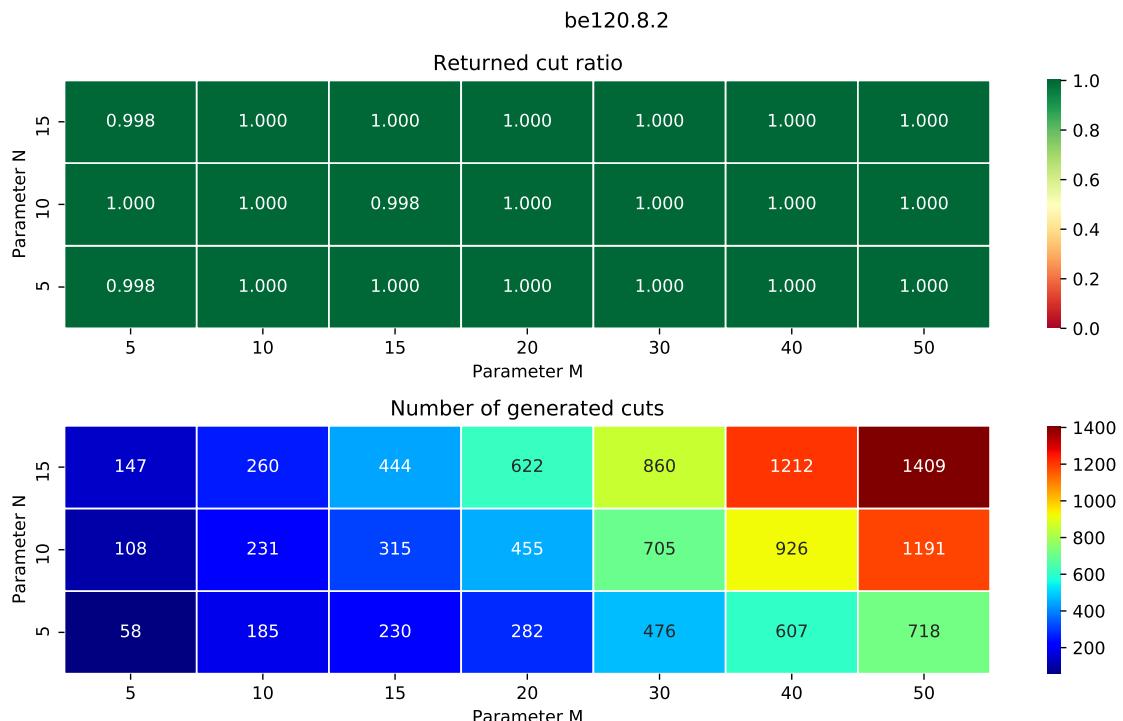


Figure 92: The top plot shows the ratio of returned value and optimal value and the bottom plot shows the number of generated cuts.

be120.8.3

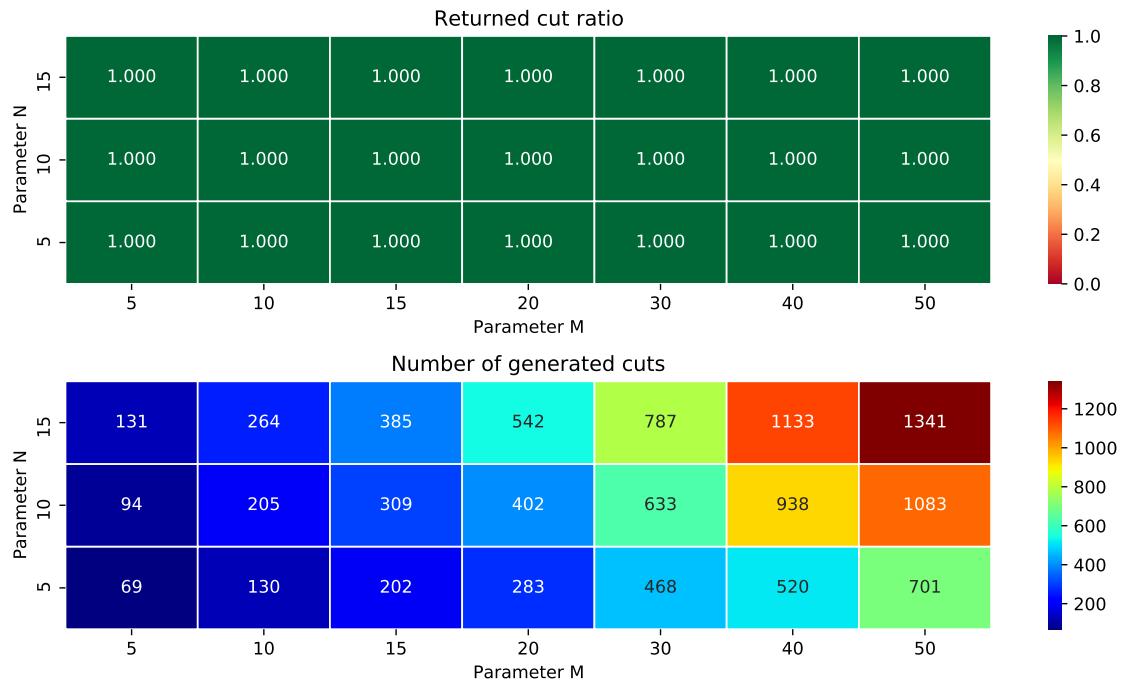


Figure 93: The top plot shows the ratio of returned value and optimal value and the bottom plot shows the number of generated cuts.

be120.8.4

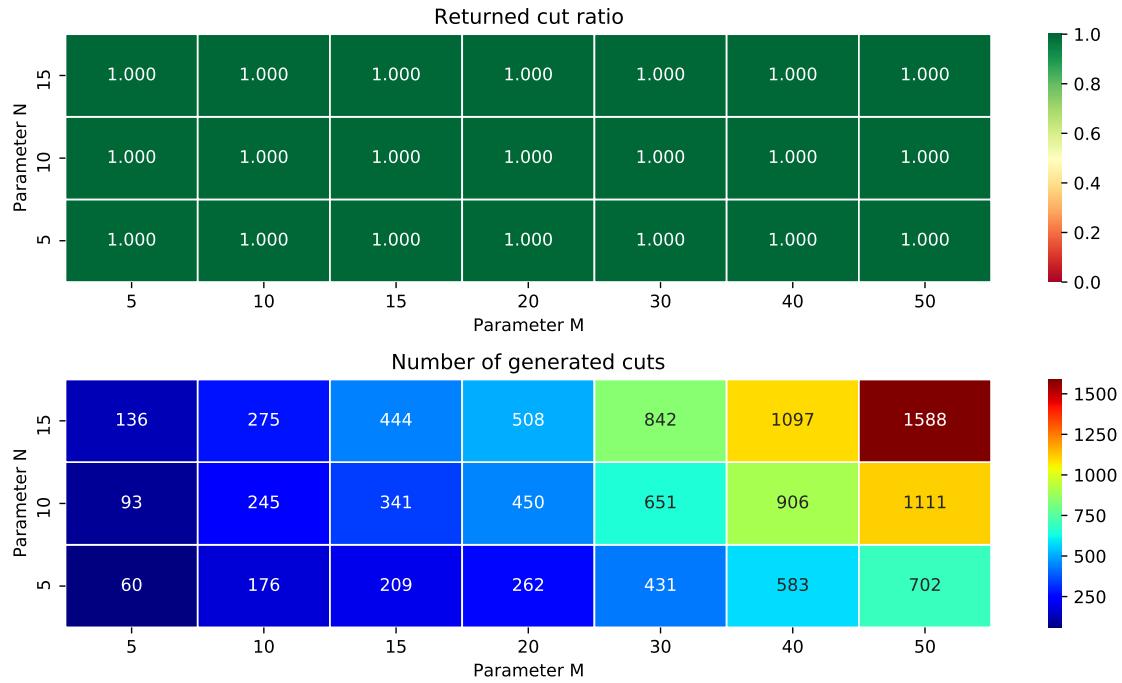


Figure 94: The top plot shows the ratio of returned value and optimal value and the bottom plot shows the number of generated cuts.

be120.8.5

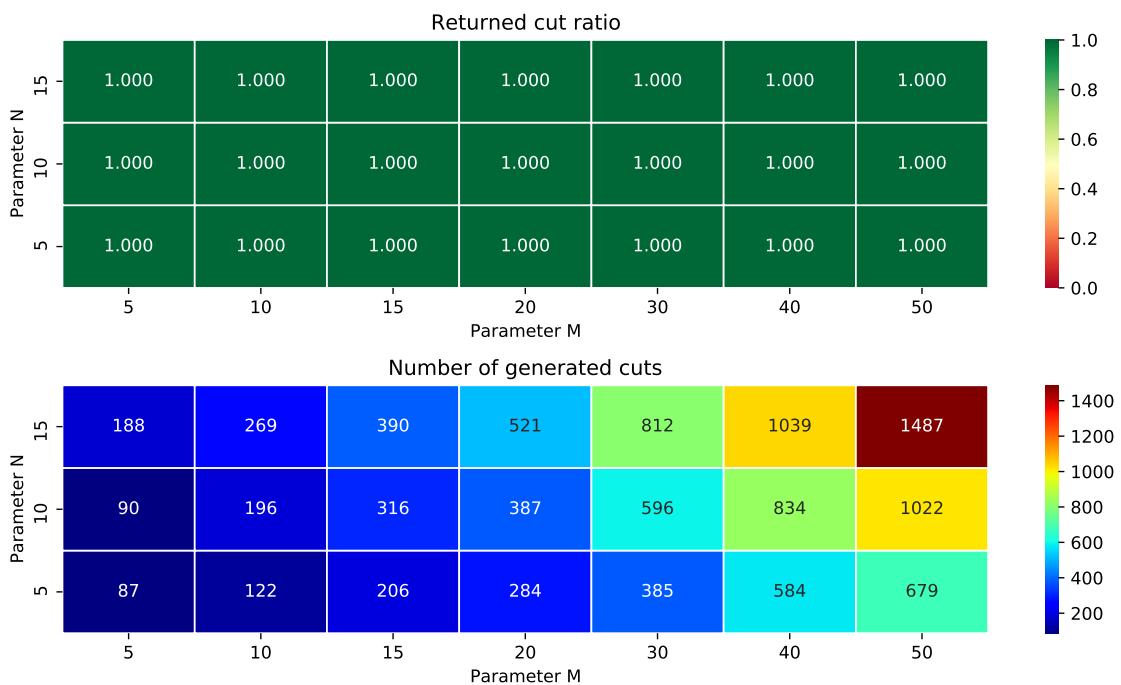


Figure 95: The top plot shows the ratio of returned value and optimal value and the bottom plot shows the number of generated cuts.

be120.8.6

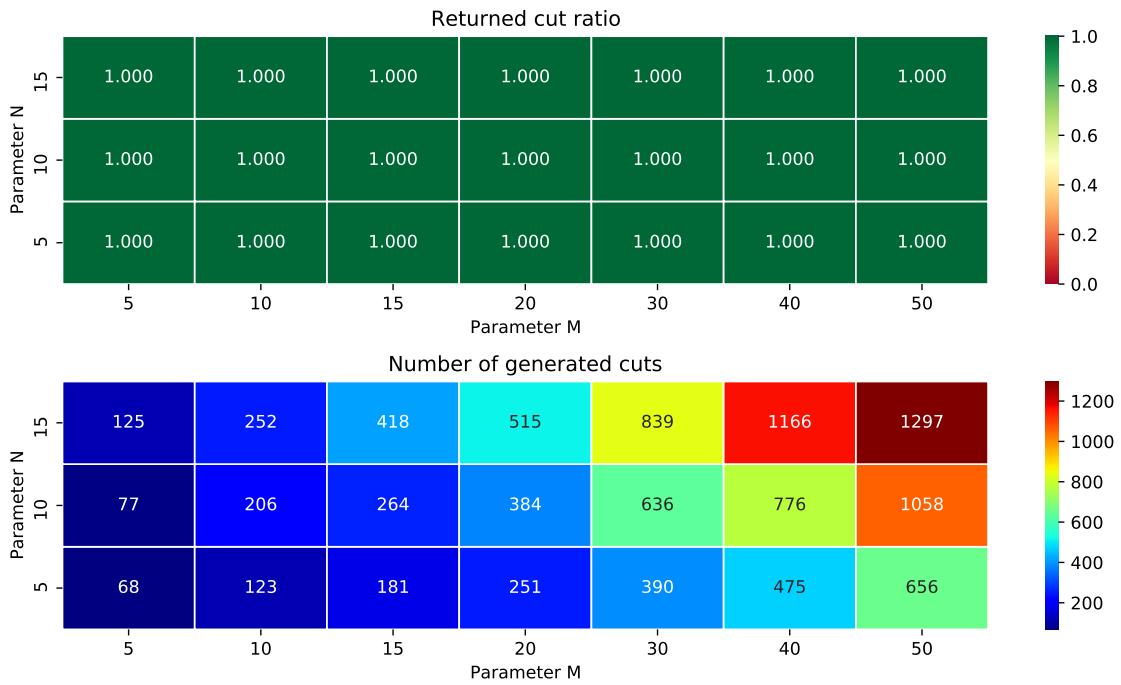


Figure 96: The top plot shows the ratio of returned value and optimal value and the bottom plot shows the number of generated cuts.

be120.8.7

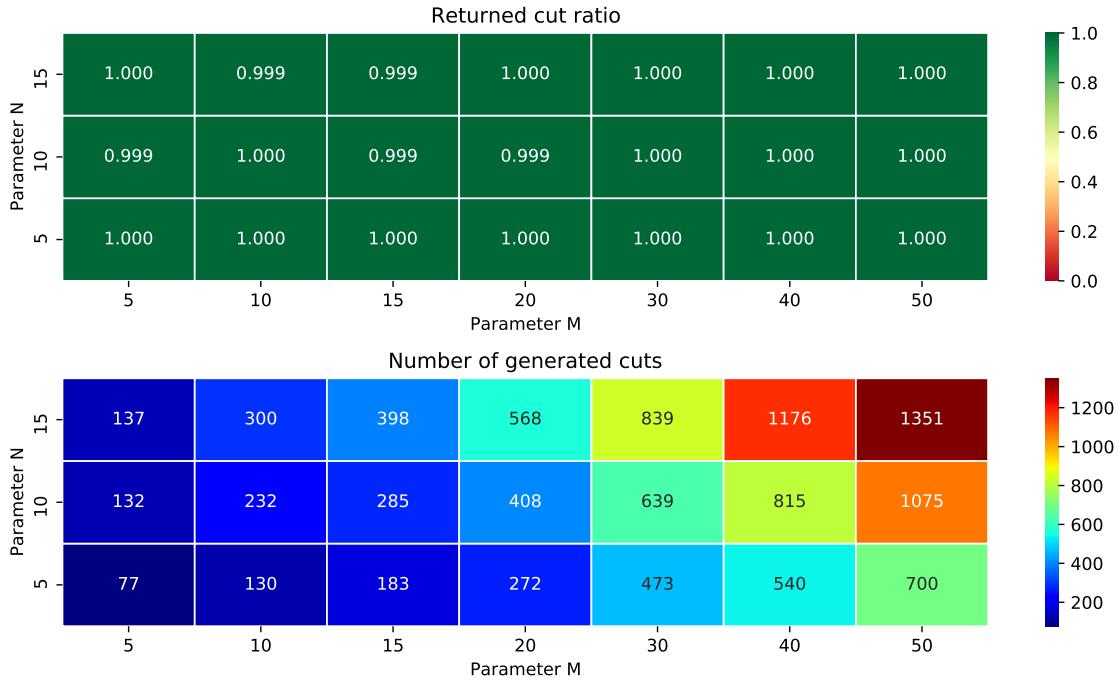


Figure 97: The top plot shows the ratio of returned value and optimal value and the bottom plot shows the number of generated cuts.

be120.8.8

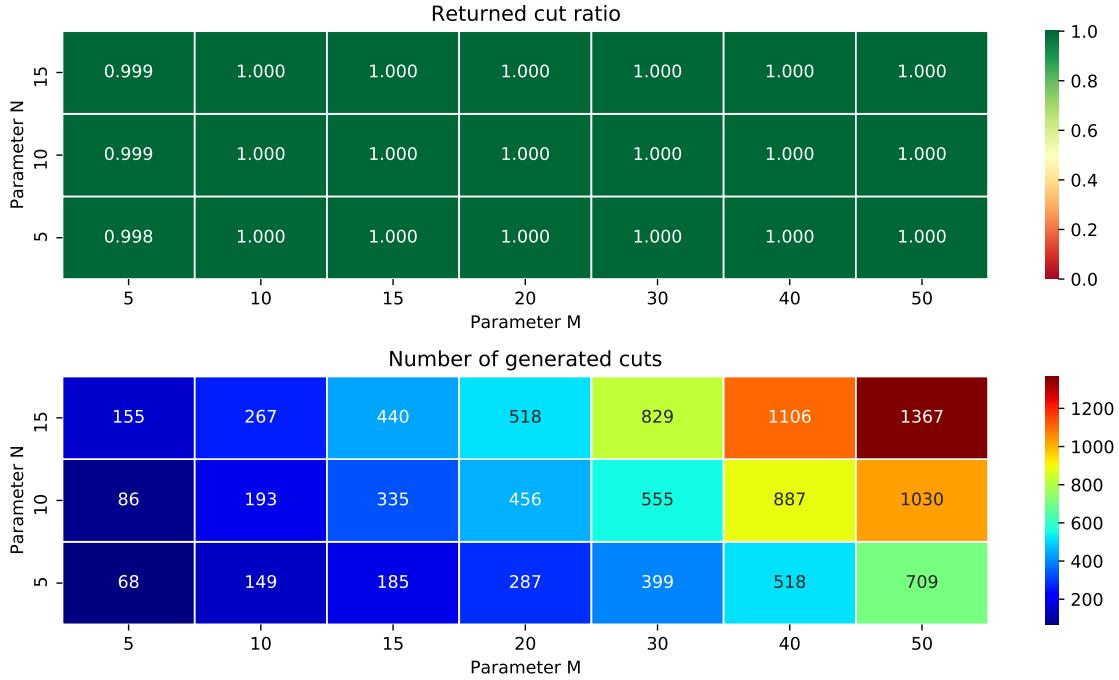


Figure 98: The top plot shows the ratio of returned value and optimal value and the bottom plot shows the number of generated cuts.

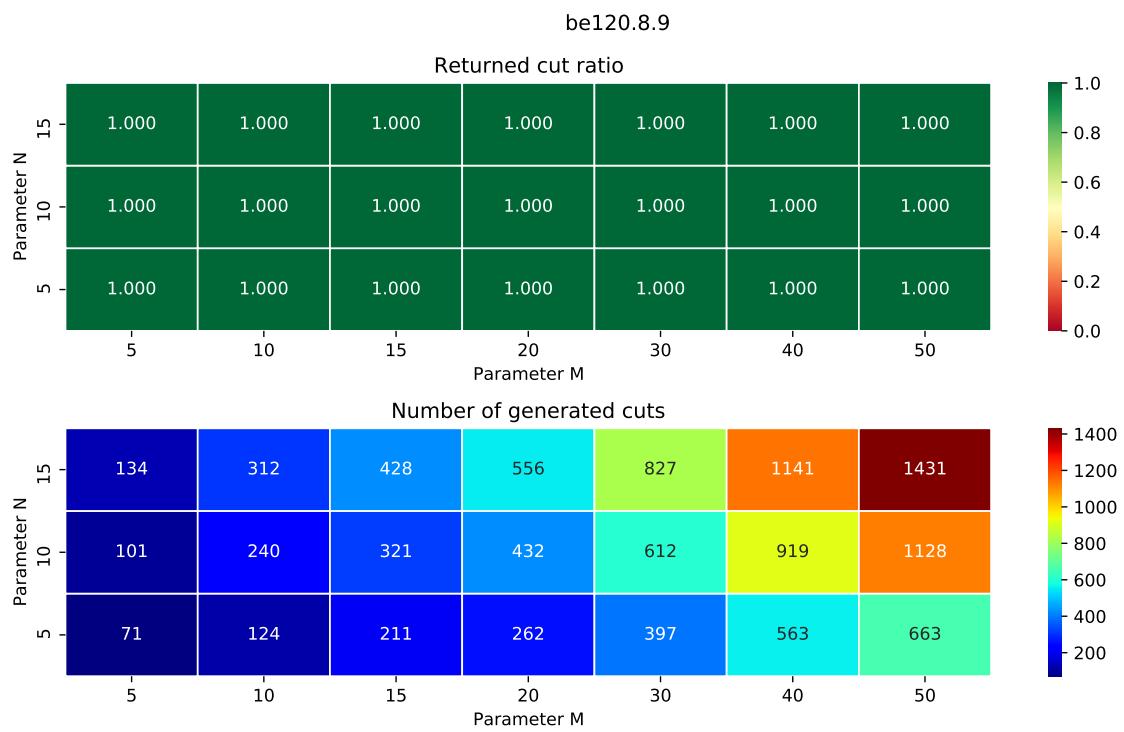


Figure 99: The top plot shows the ratio of returned value and optimal value and the bottom plot shows the number of generated cuts.

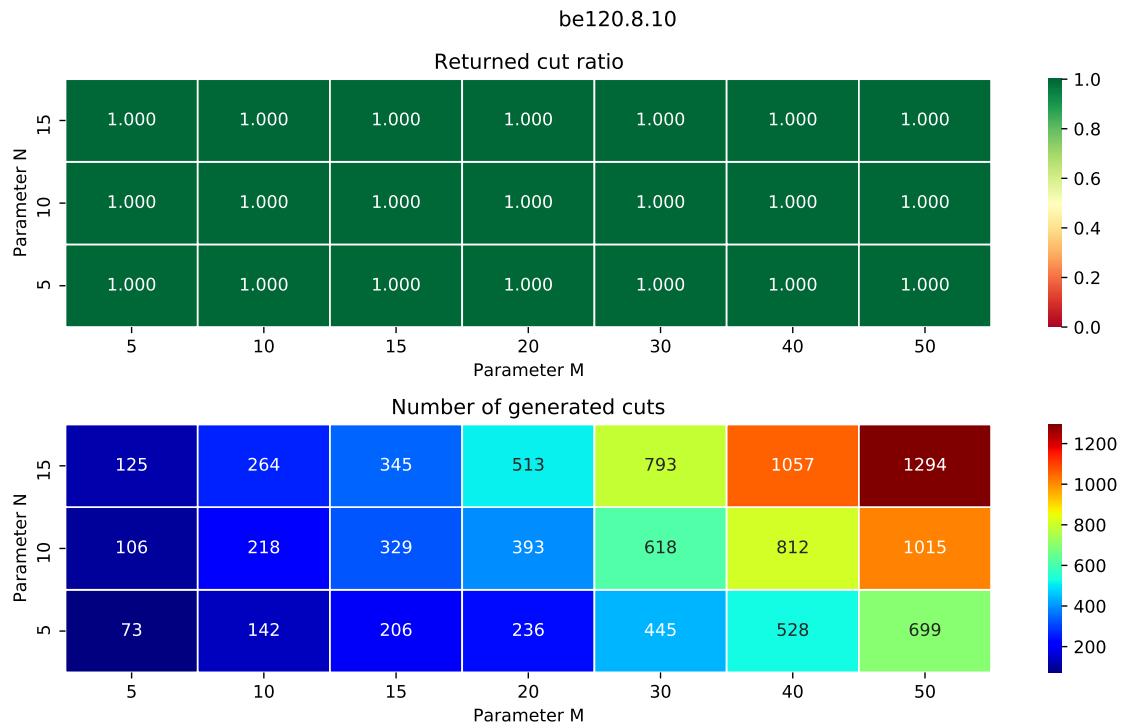


Figure 100: The top plot shows the ratio of returned value and optimal value and the bottom plot shows the number of generated cuts.

be150.8.1

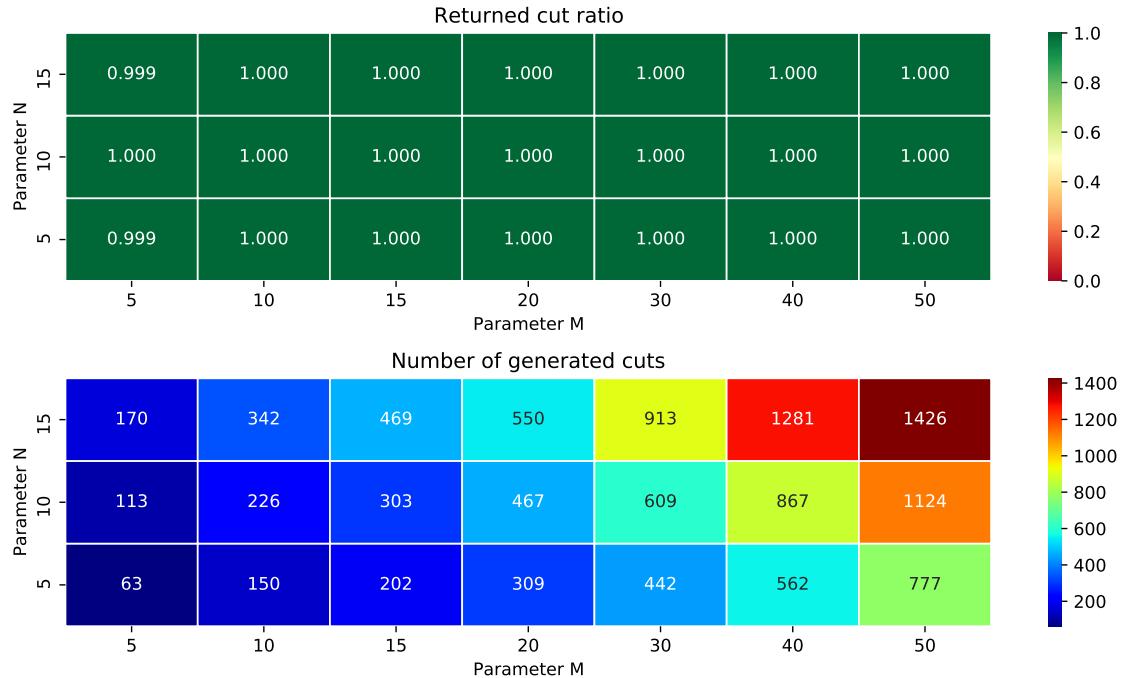


Figure 101: The top plot shows the ratio of returned value and optimal value and the bottom plot shows the number of generated cuts.

be150.8.2

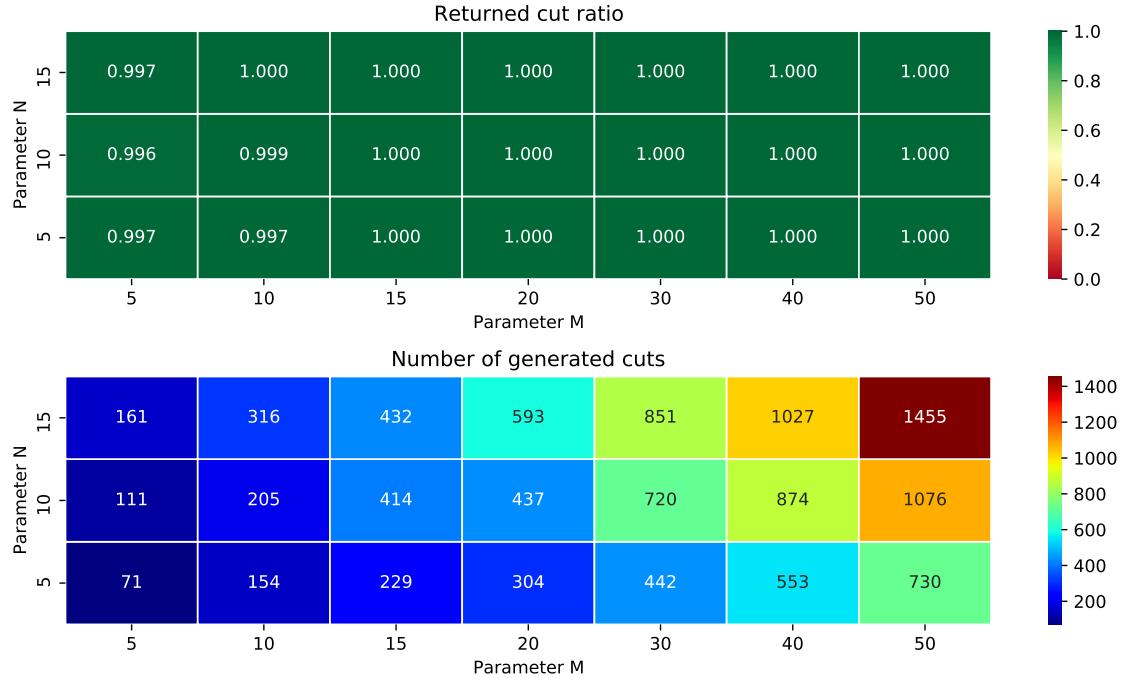


Figure 102: The top plot shows the ratio of returned value and optimal value and the bottom plot shows the number of generated cuts.

be150.8.3



Figure 103: The top plot shows the ratio of returned value and optimal value and the bottom plot shows the number of generated cuts.

be150.8.4

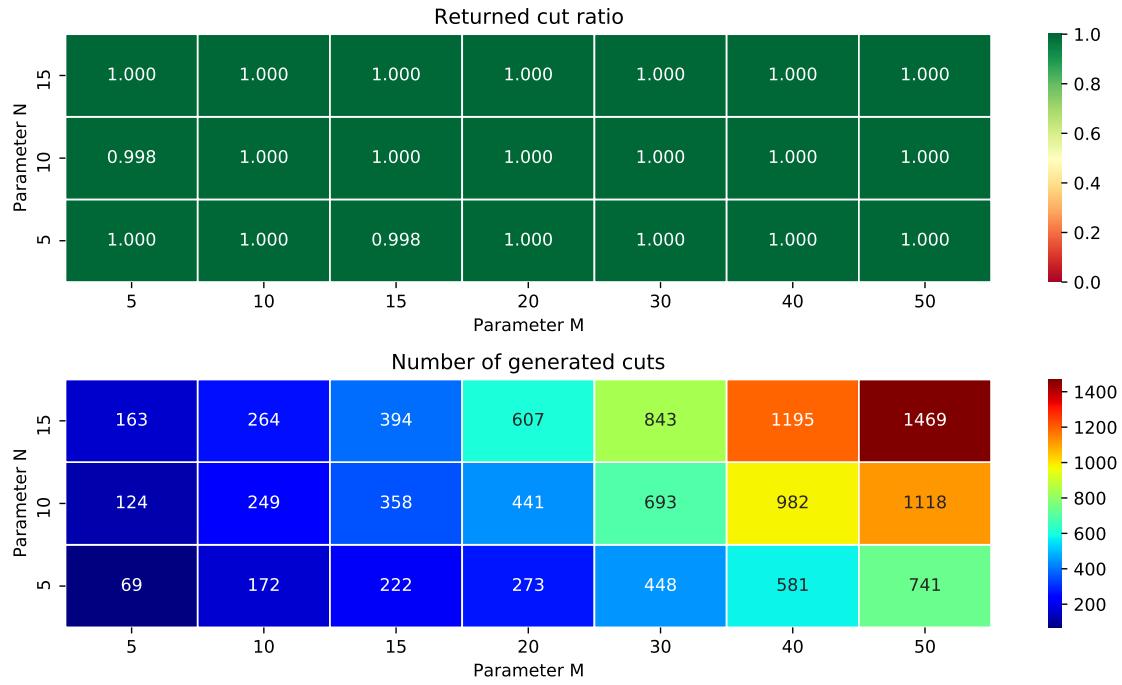


Figure 104: The top plot shows the ratio of returned value and optimal value and the bottom plot shows the number of generated cuts.

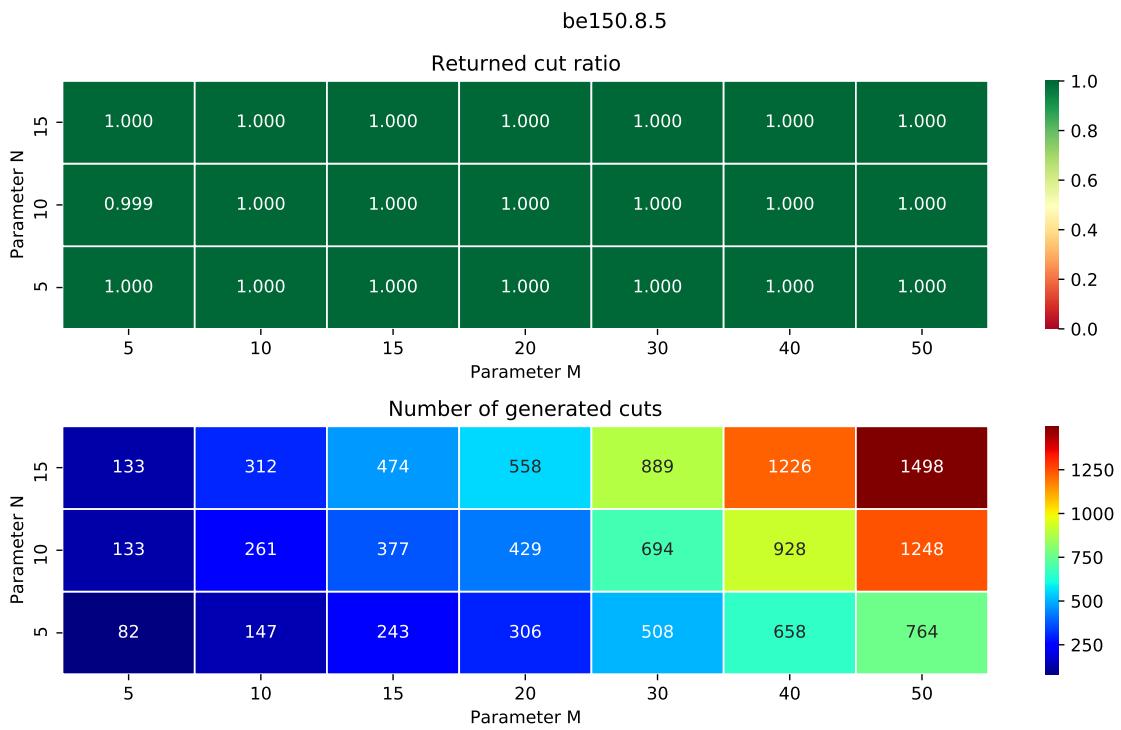


Figure 105: The top plot shows the ratio of returned value and optimal value and the bottom plot shows the number of generated cuts.

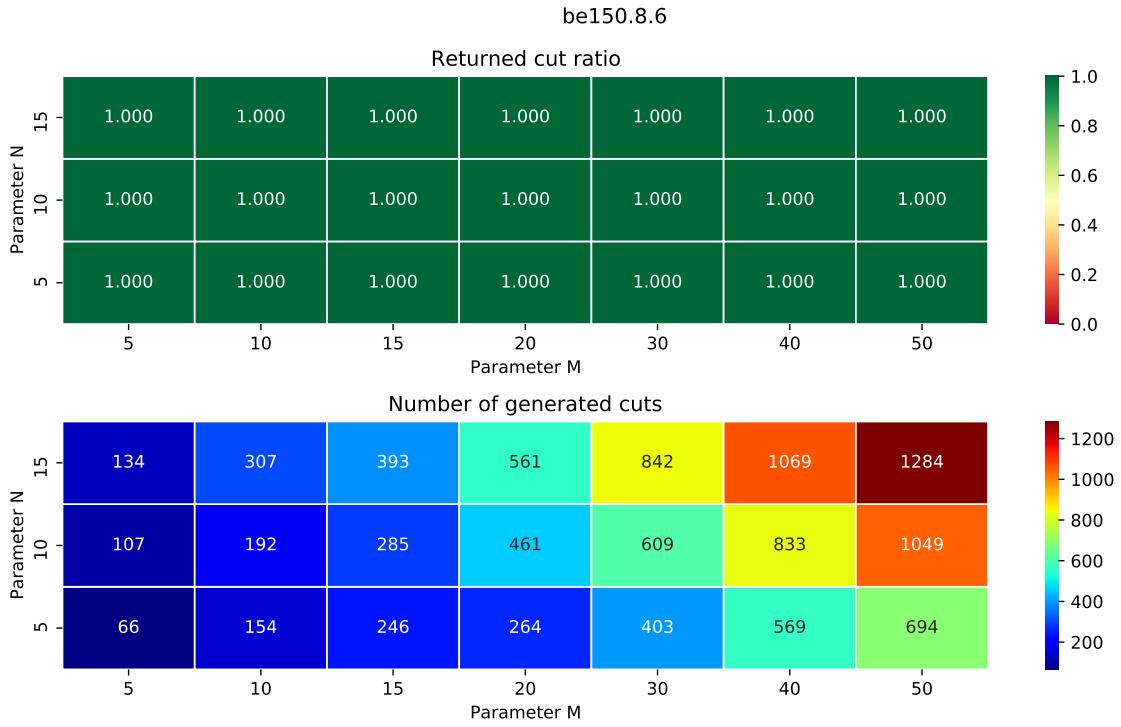


Figure 106: The top plot shows the ratio of returned value and optimal value and the bottom plot shows the number of generated cuts.

be150.8.7

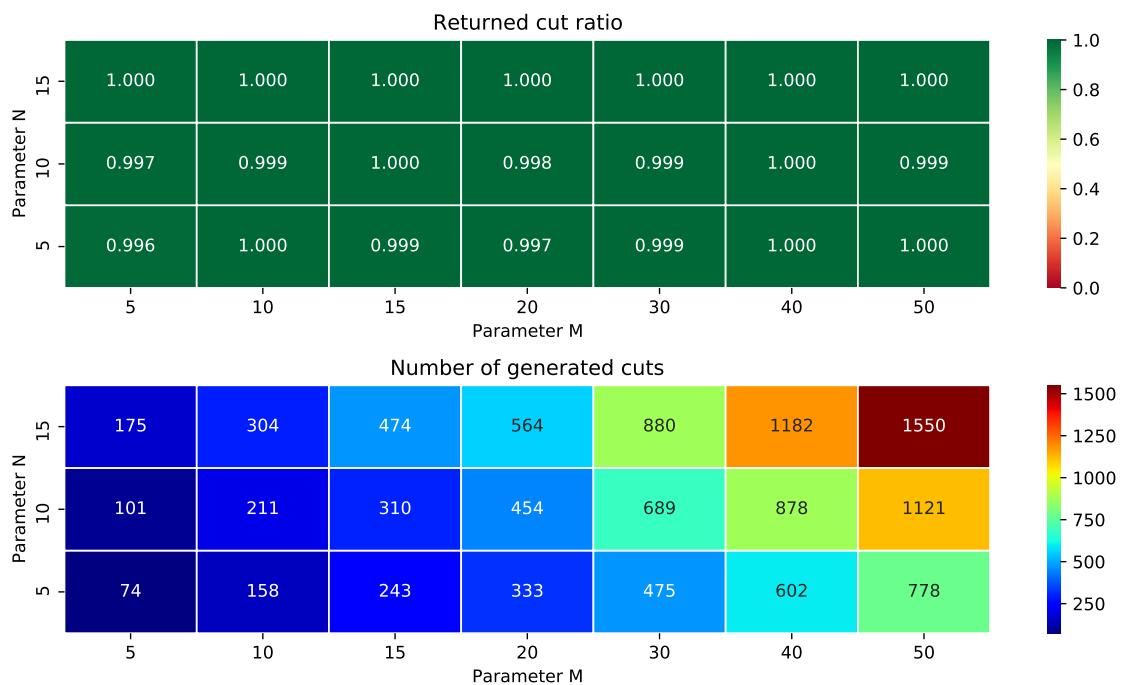


Figure 107: The top plot shows the ratio of returned value and optimal value and the bottom plot shows the number of generated cuts.

be150.8.8

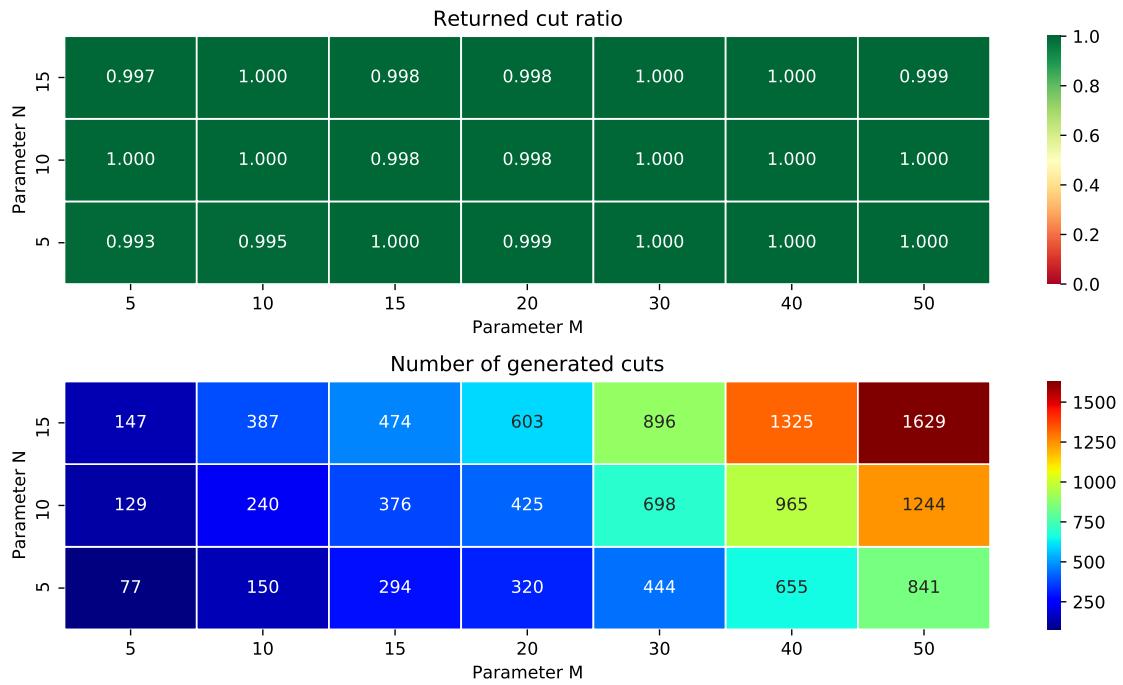


Figure 108: The top plot shows the ratio of returned value and optimal value and the bottom plot shows the number of generated cuts.

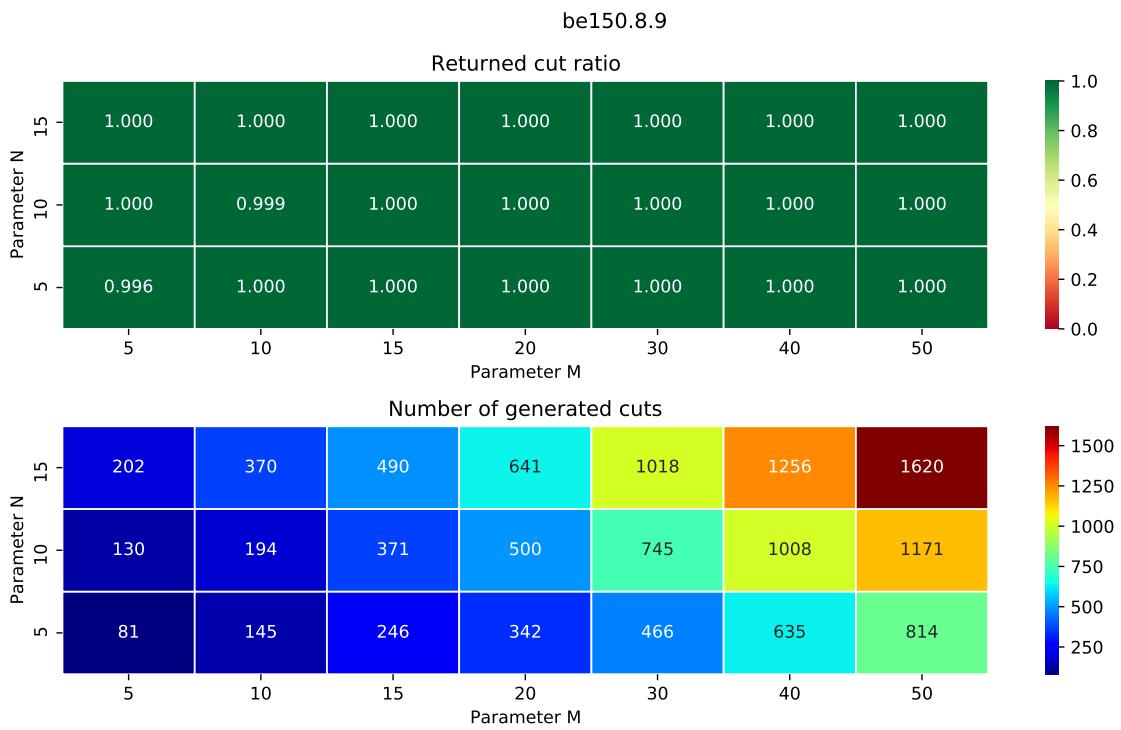


Figure 109: The top plot shows the ratio of returned value and optimal value and the bottom plot shows the number of generated cuts.

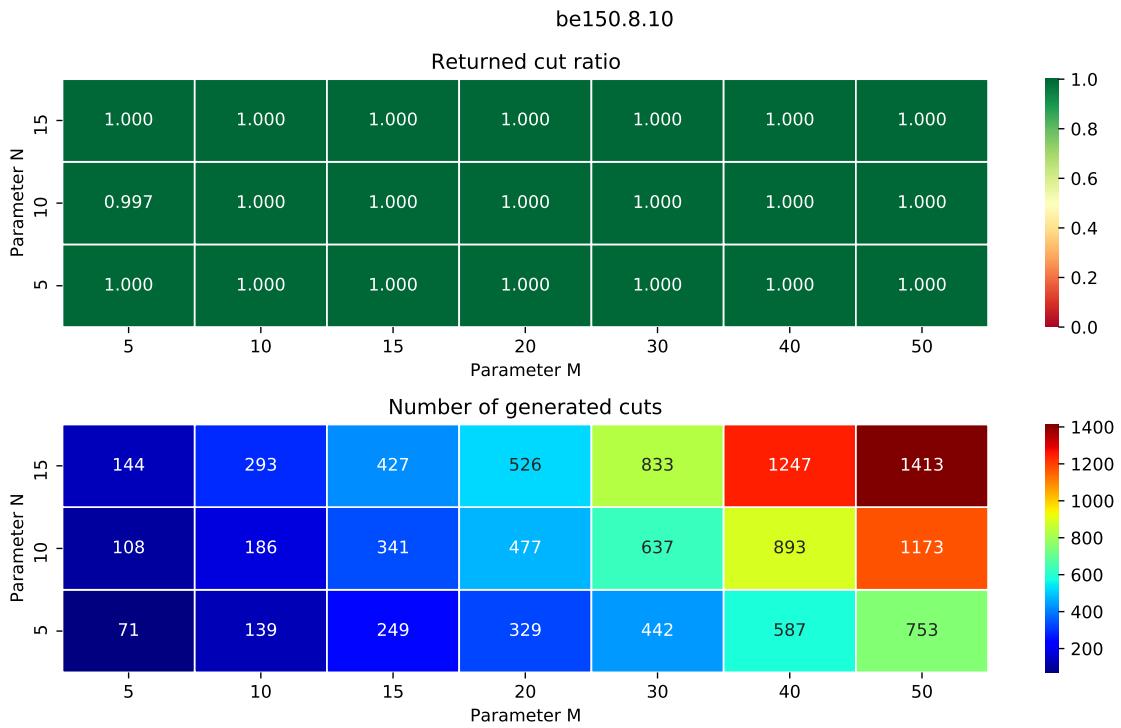


Figure 110: The top plot shows the ratio of returned value and optimal value and the bottom plot shows the number of generated cuts.

be200.8.1



Figure 111: The top plot shows the ratio of returned value and optimal value and the bottom plot shows the number of generated cuts.

be200.8.2

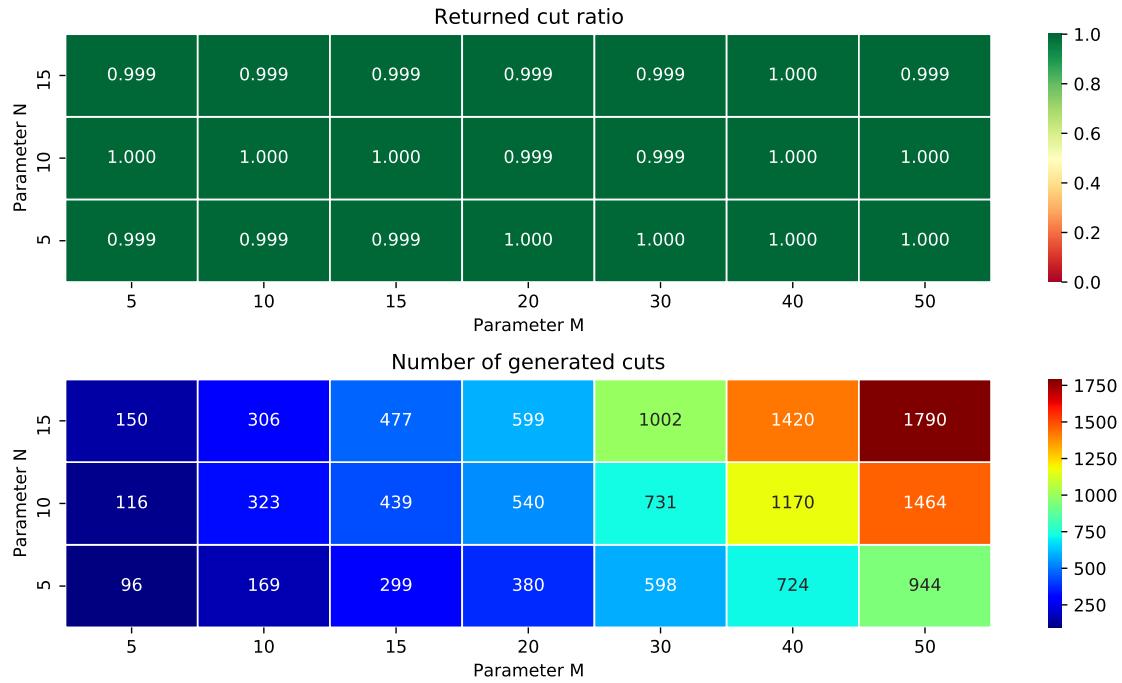


Figure 112: The top plot shows the ratio of returned value and optimal value and the bottom plot shows the number of generated cuts.

be200.8.3

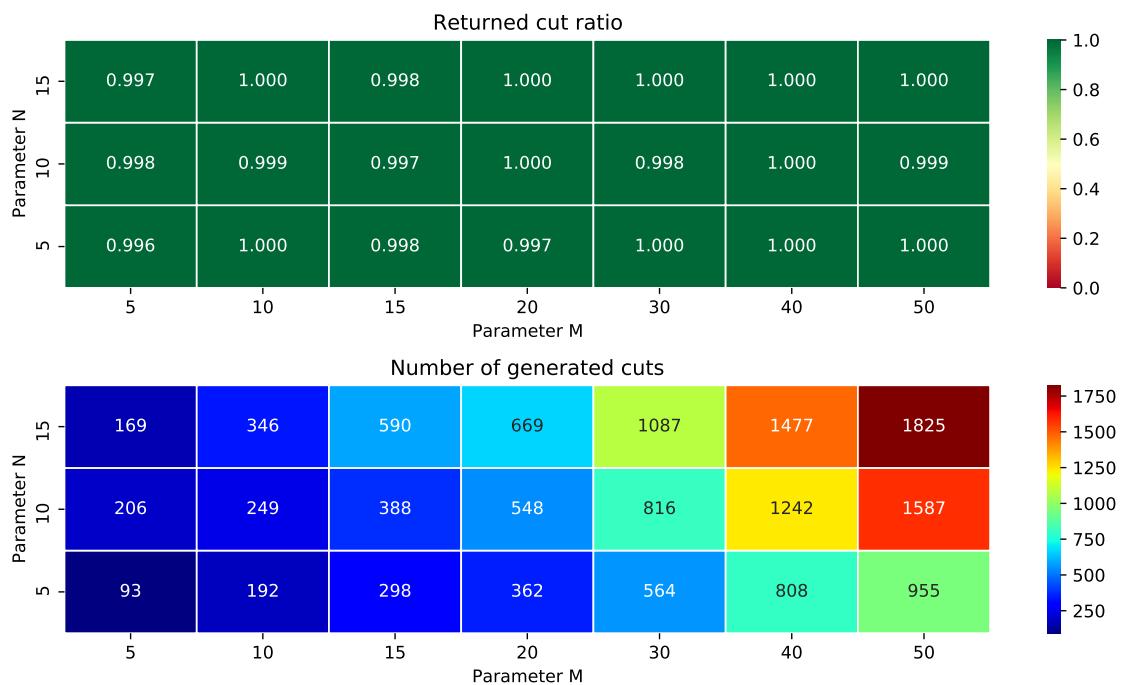


Figure 113: The top plot shows the ratio of returned value and optimal value and the bottom plot shows the number of generated cuts.

be200.8.4

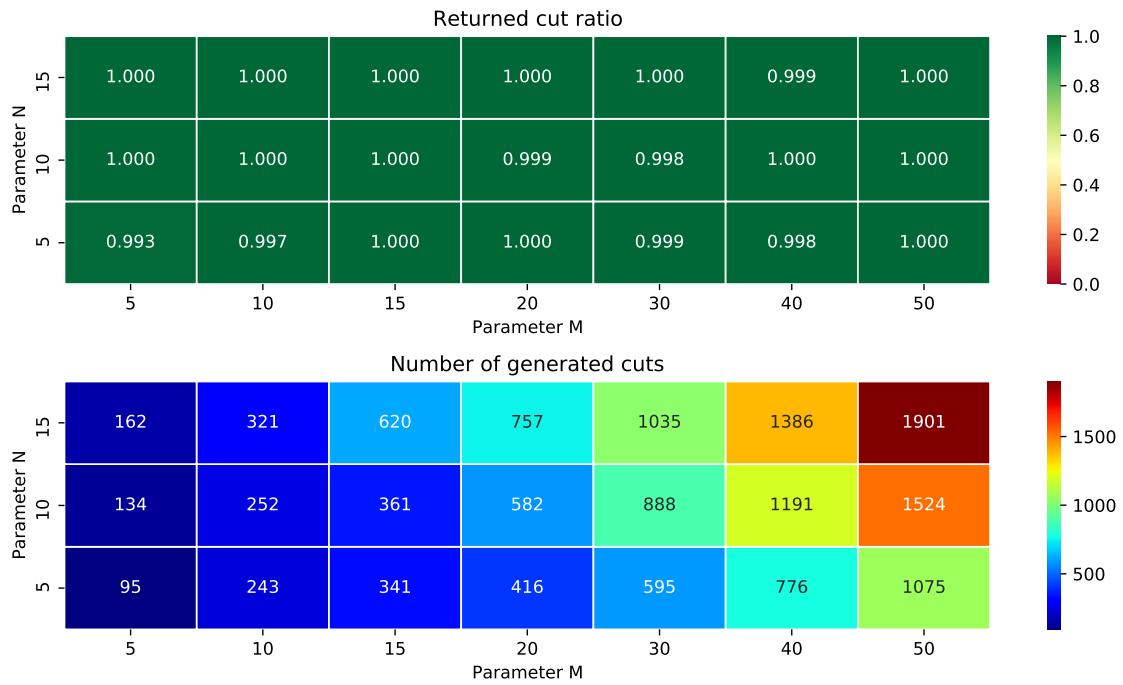


Figure 114: The top plot shows the ratio of returned value and optimal value and the bottom plot shows the number of generated cuts.

be200.8.5

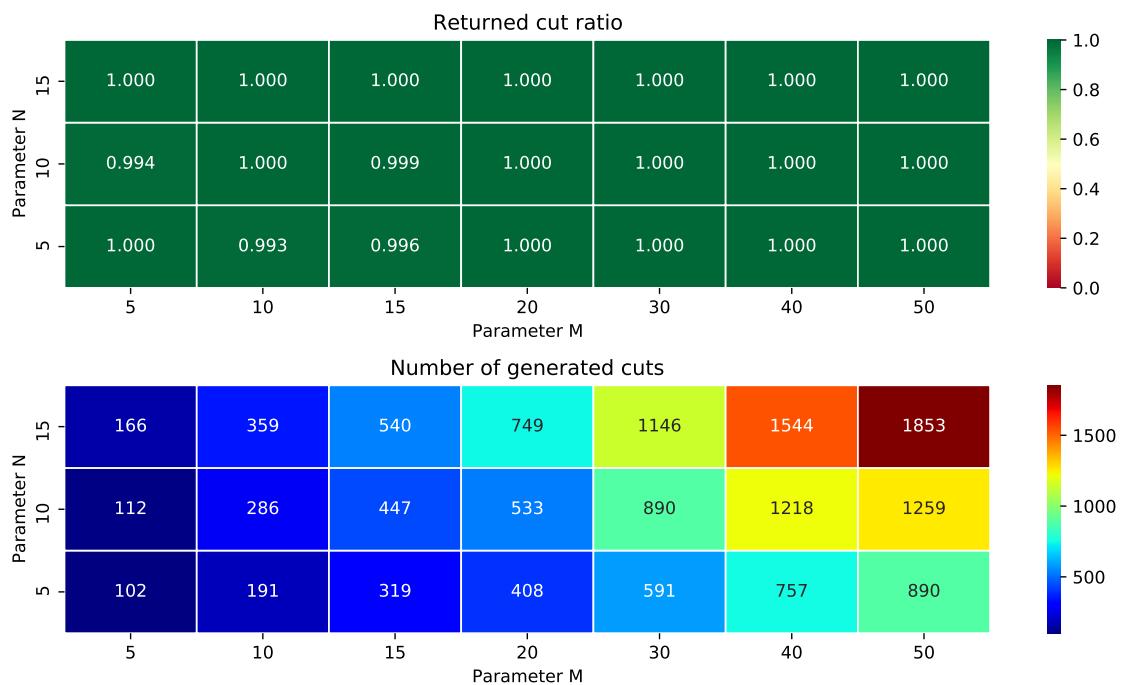


Figure 115: The top plot shows the ratio of returned value and optimal value and the bottom plot shows the number of generated cuts.

be200.8.6

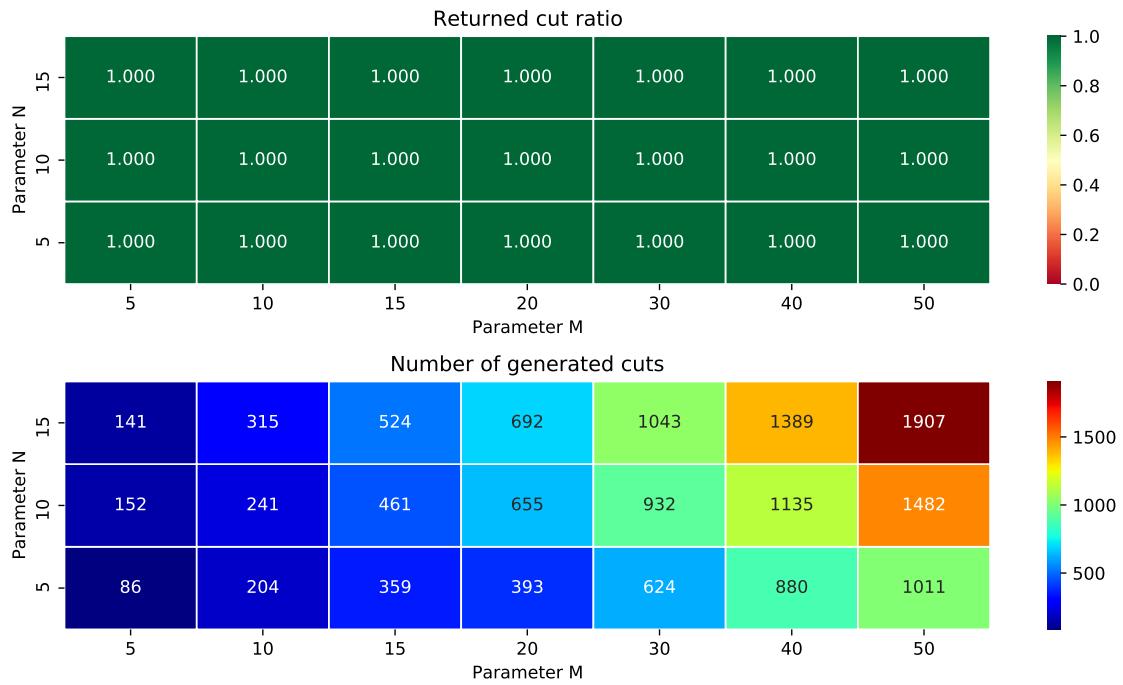


Figure 116: The top plot shows the ratio of returned value and optimal value and the bottom plot shows the number of generated cuts.

be200.8.7



Figure 117: The top plot shows the ratio of returned value and optimal value and the bottom plot shows the number of generated cuts.

be200.8.8

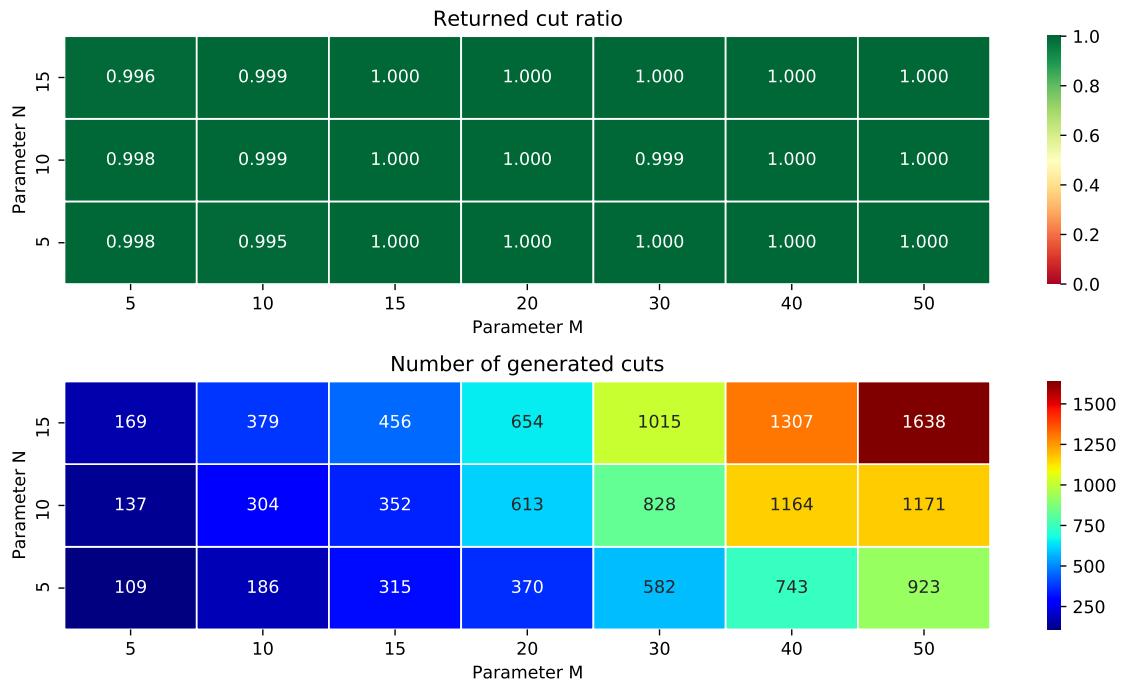


Figure 118: The top plot shows the ratio of returned value and optimal value and the bottom plot shows the number of generated cuts.

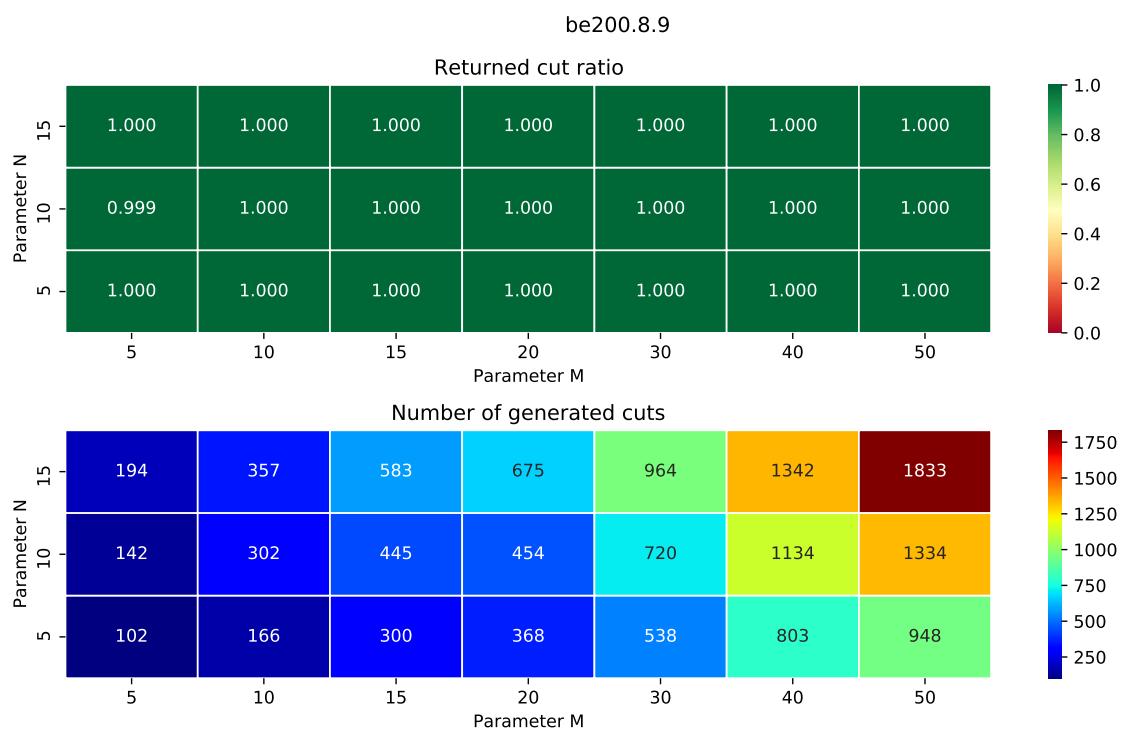


Figure 119: The top plot shows the ratio of returned value and optimal value and the bottom plot shows the number of generated cuts.

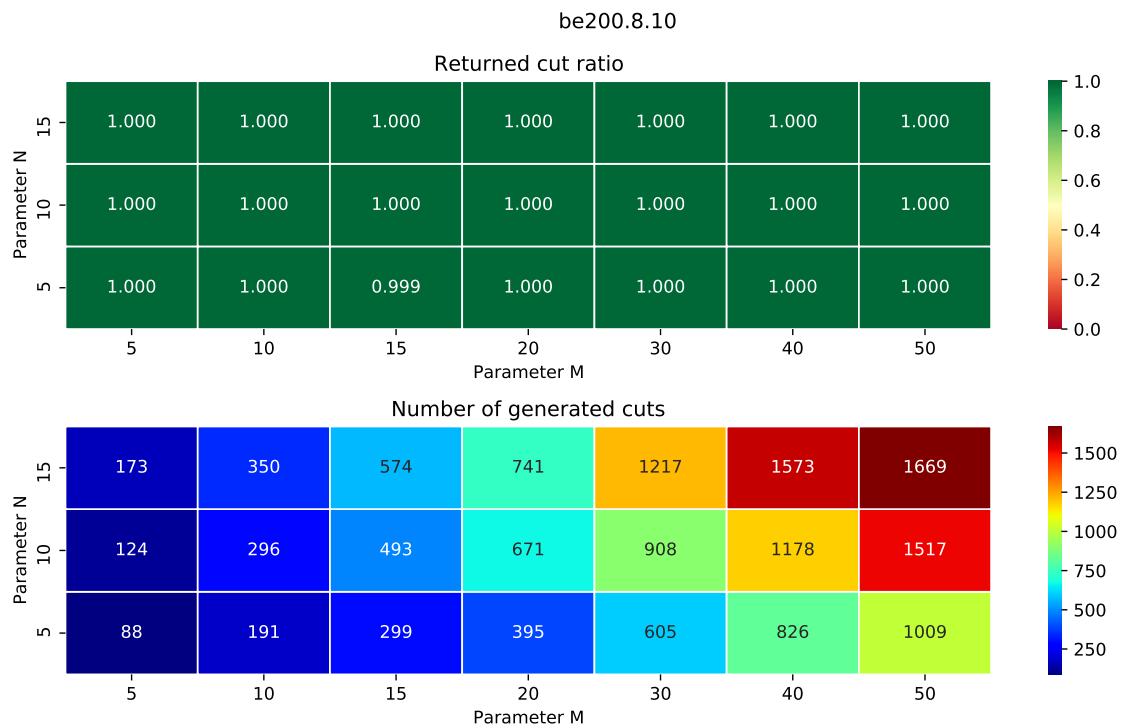


Figure 120: The top plot shows the ratio of returned value and optimal value and the bottom plot shows the number of generated cuts.

3 BMZ

3.1 sg3dl

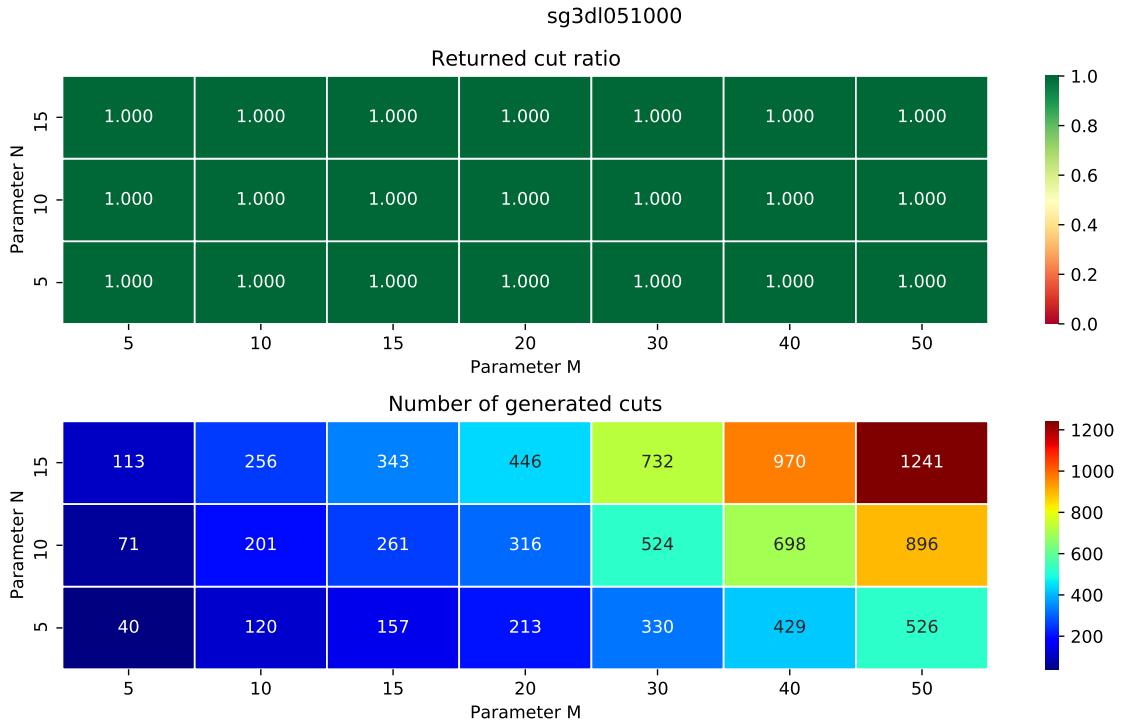


Figure 121: The top plot shows the ratio of the returned value and the highest reached value and the bottom plot shows the number of generated cuts. The optimal value is not known.

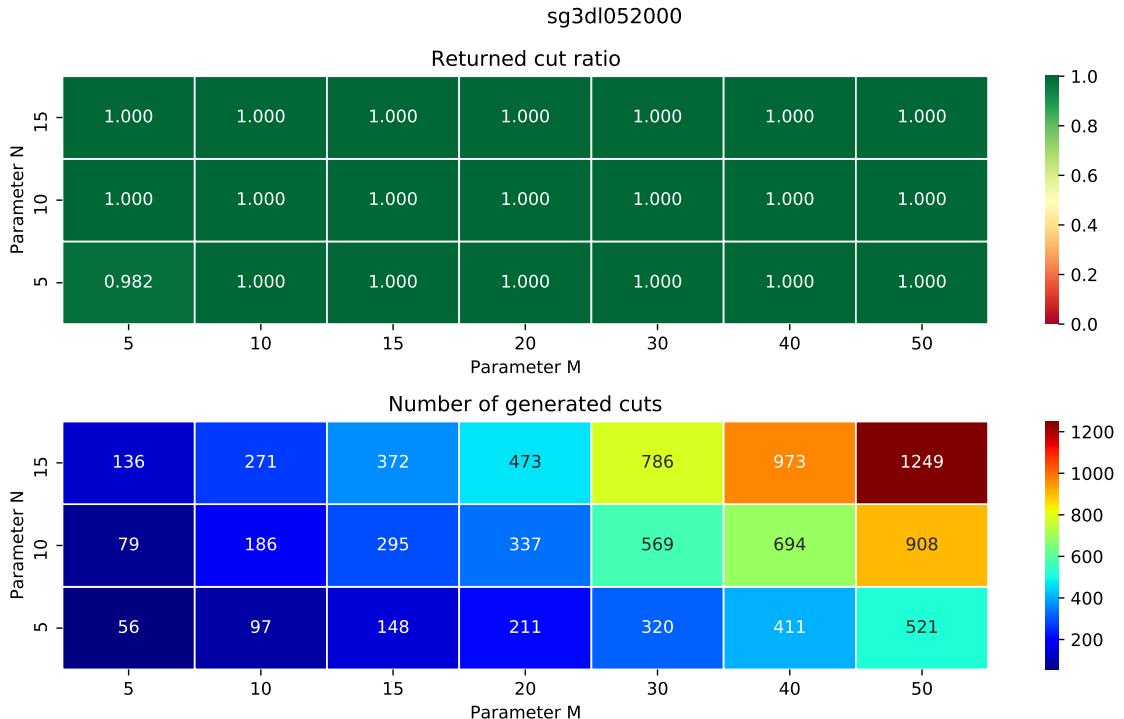


Figure 122: The top plot shows the ratio of the returned value and the highest reached value and the bottom plot shows the number of generated cuts. The optimal value is not known.

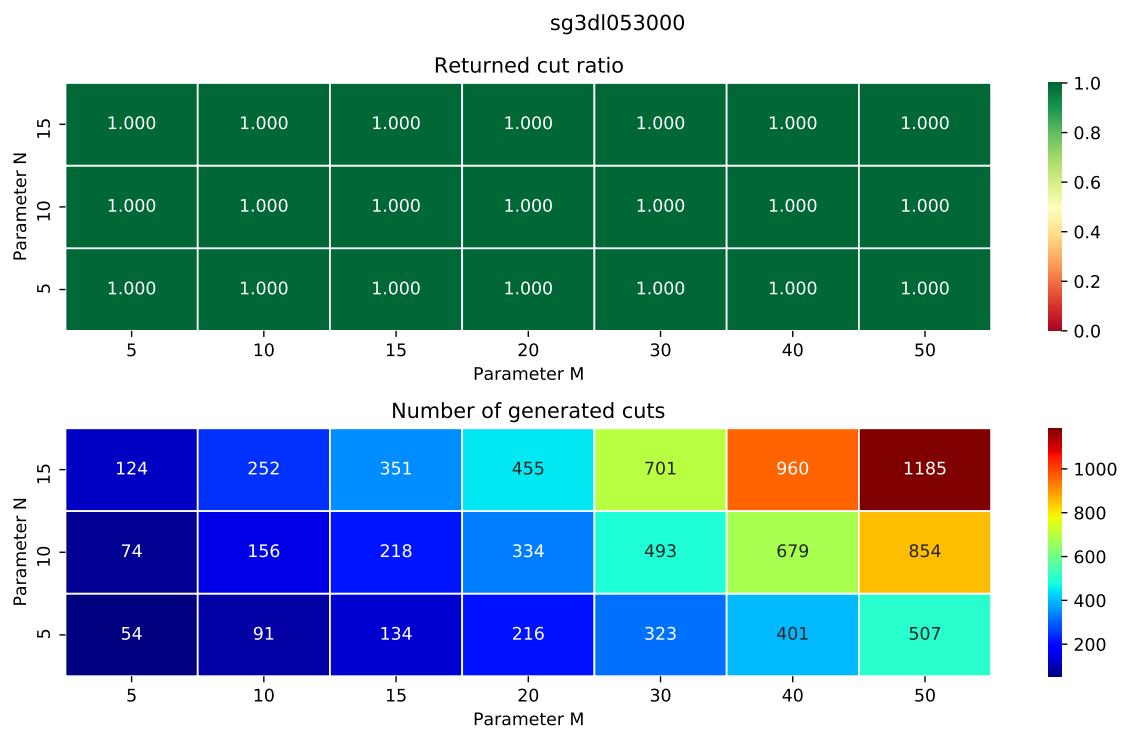


Figure 123: The top plot shows the ratio of the returned value and the highest reached value and the bottom plot shows the number of generated cuts. The optimal value is not known.

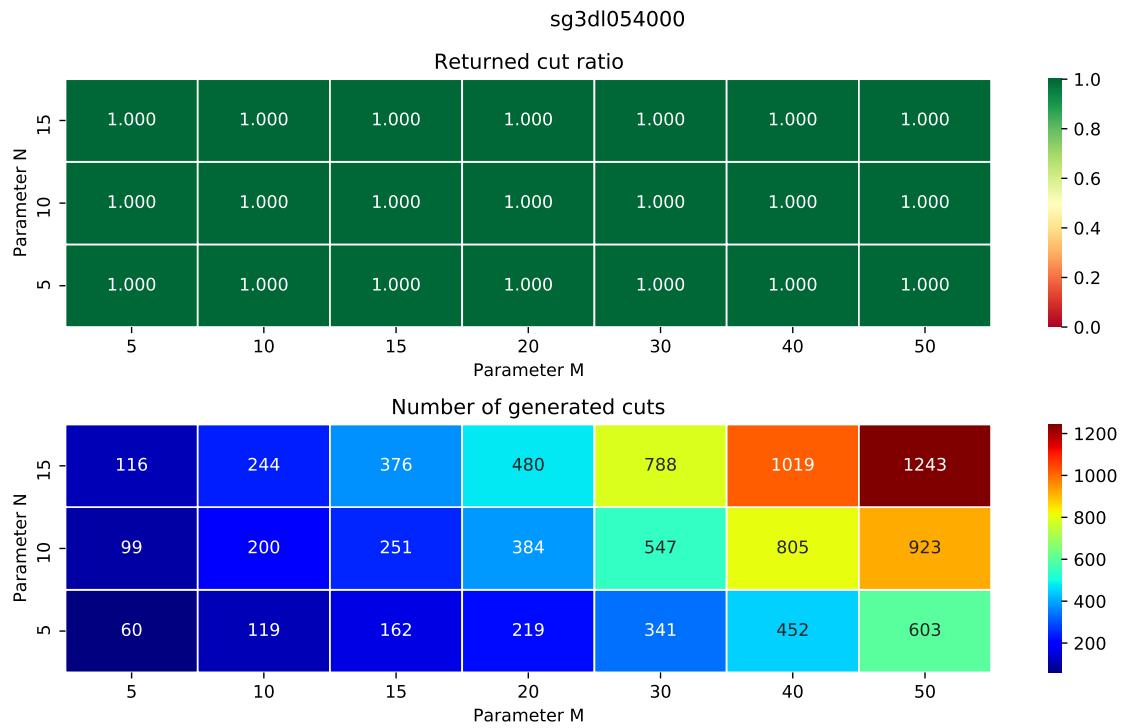


Figure 124: The top plot shows the ratio of the returned value and the highest reached value and the bottom plot shows the number of generated cuts. The optimal value is not known.

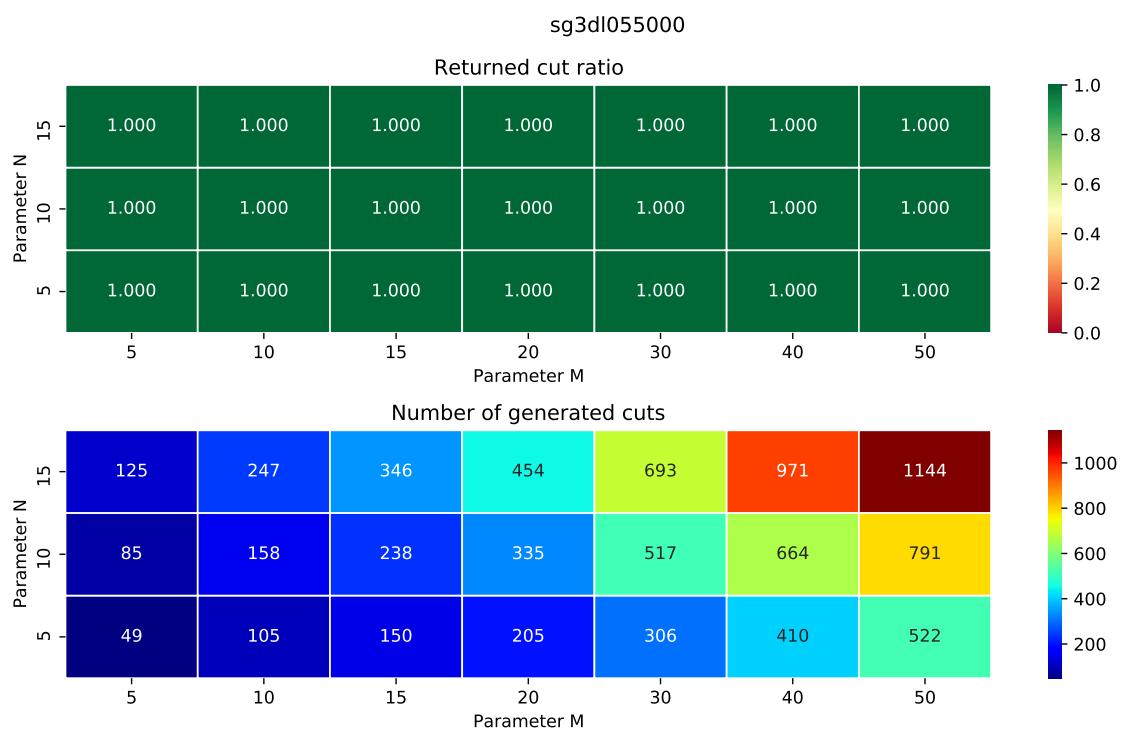


Figure 125: The top plot shows the ratio of the returned value and the highest reached value and the bottom plot shows the number of generated cuts. The optimal value is not known.

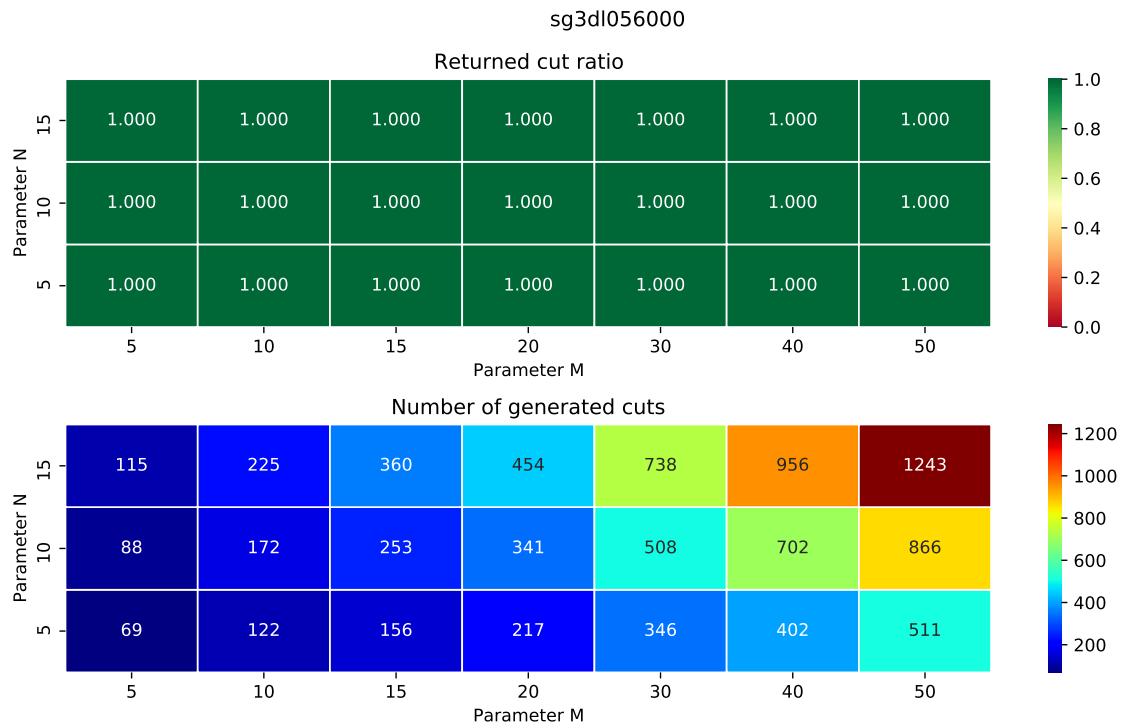


Figure 126: The top plot shows the ratio of the returned value and the highest reached value and the bottom plot shows the number of generated cuts. The optimal value is not known.

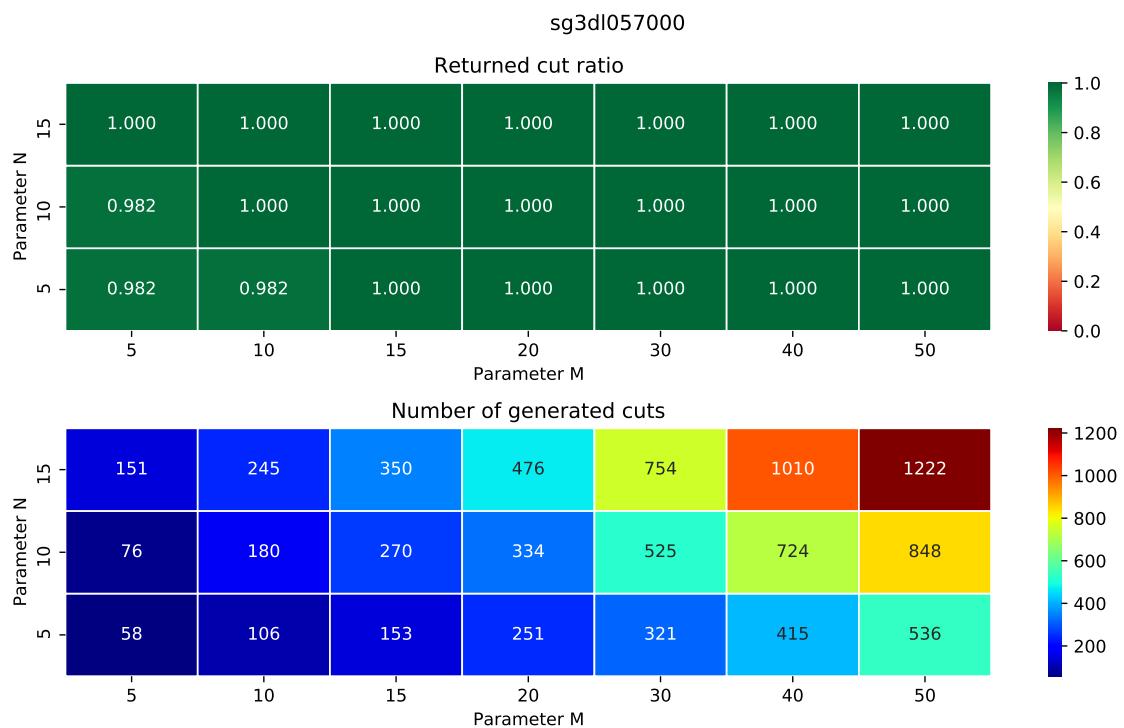


Figure 127: The top plot shows the ratio of the returned value and the highest reached value and the bottom plot shows the number of generated cuts. The optimal value is not known.

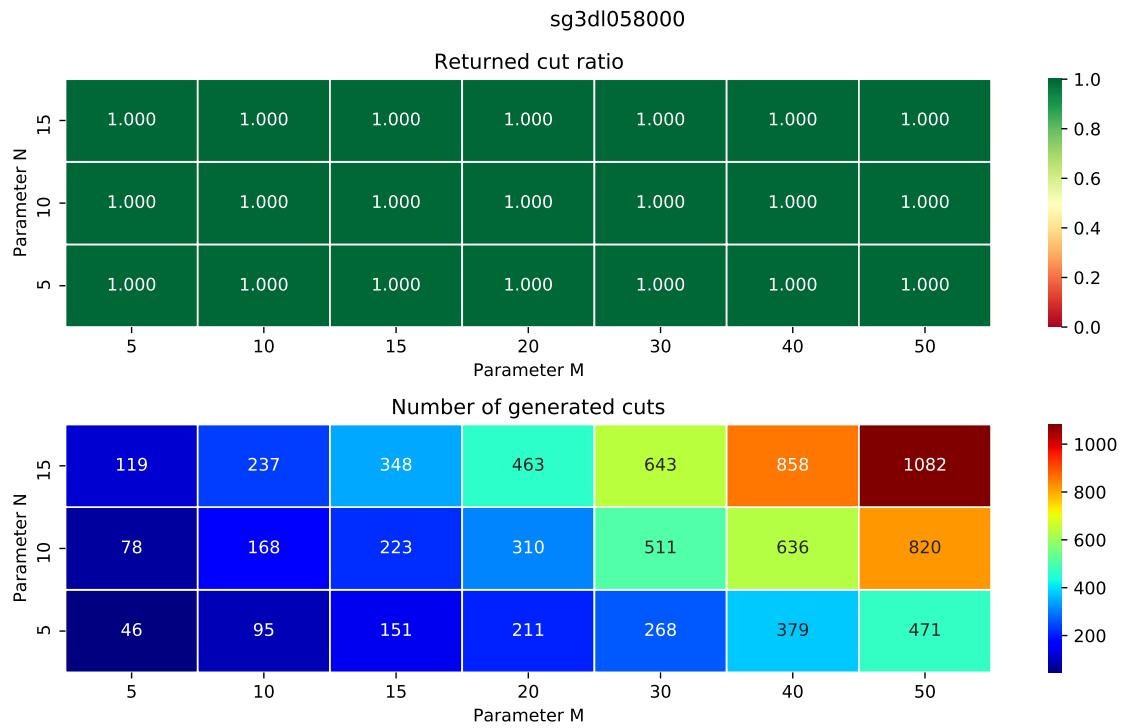


Figure 128: The top plot shows the ratio of the returned value and the highest reached value and the bottom plot shows the number of generated cuts. The optimal value is not known.

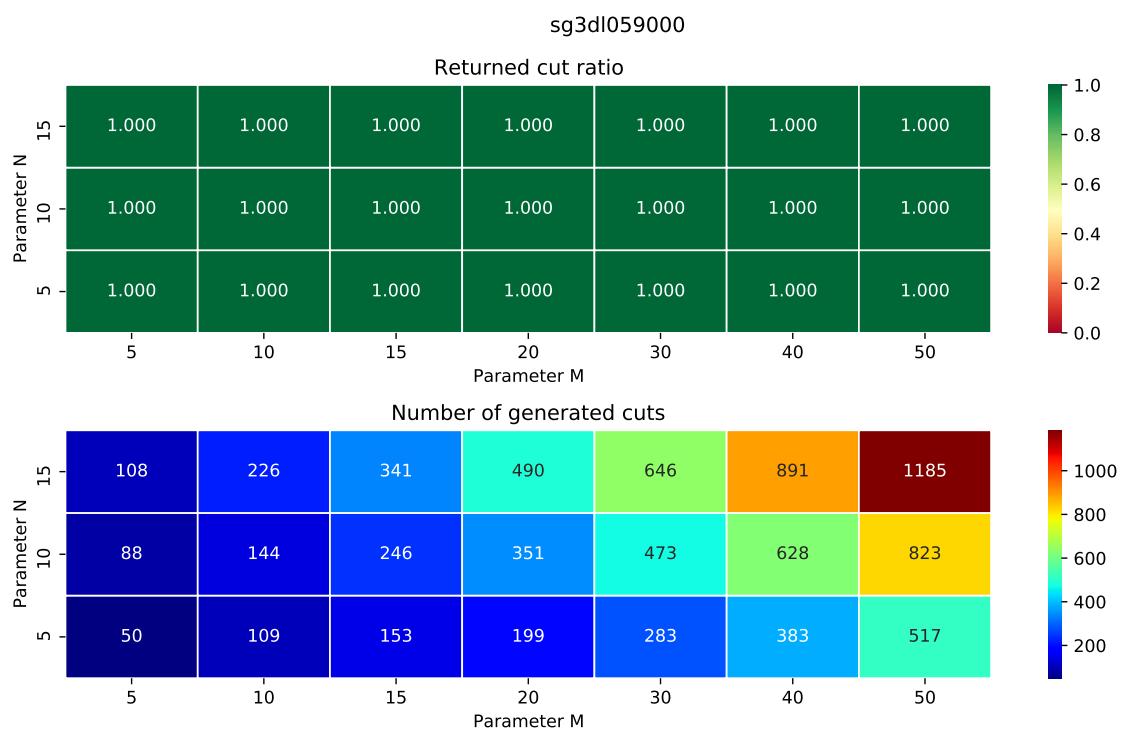


Figure 129: The top plot shows the ratio of the returned value and the highest reached value and the bottom plot shows the number of generated cuts. The optimal value is not known.

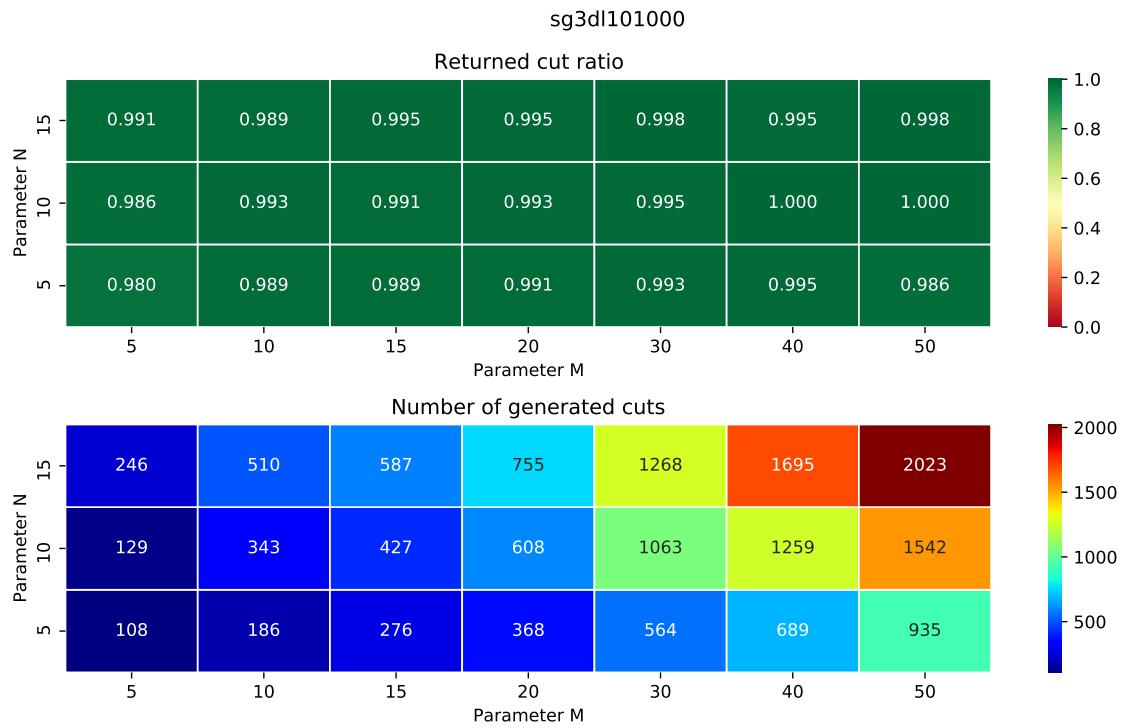


Figure 130: The top plot shows the ratio of the returned value and the highest reached value and the bottom plot shows the number of generated cuts. The optimal value is not known.

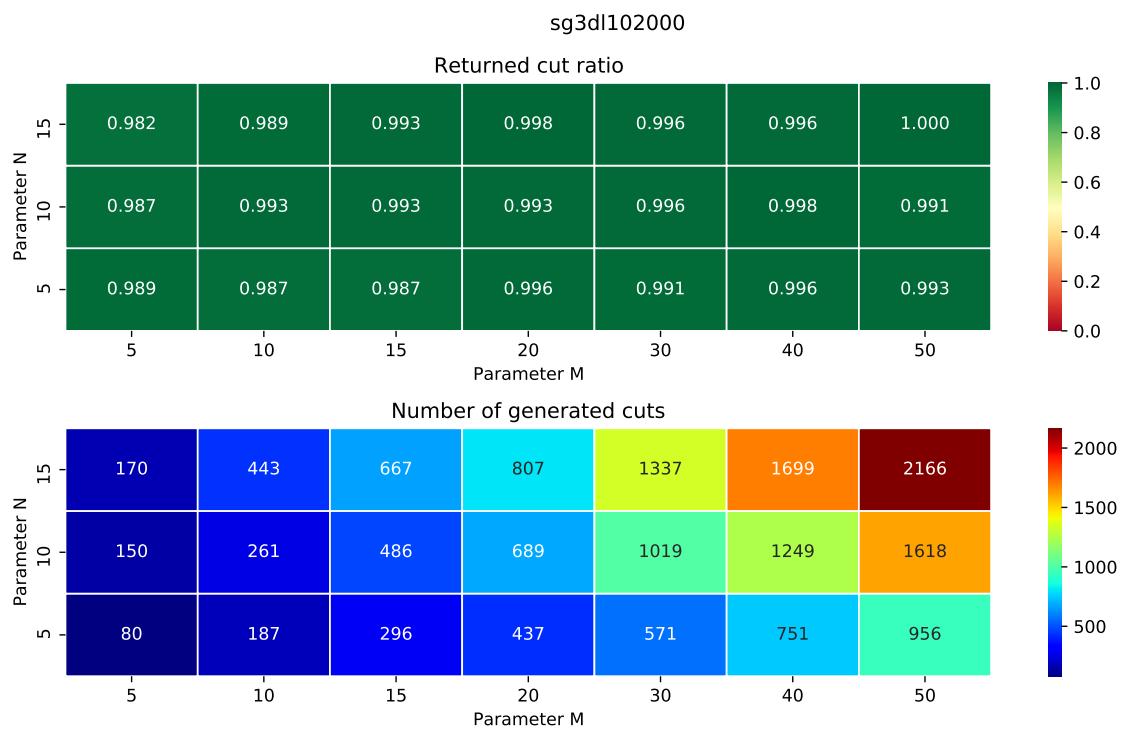


Figure 131: The top plot shows the ratio of the returned value and the highest reached value and the bottom plot shows the number of generated cuts. The optimal value is not known.

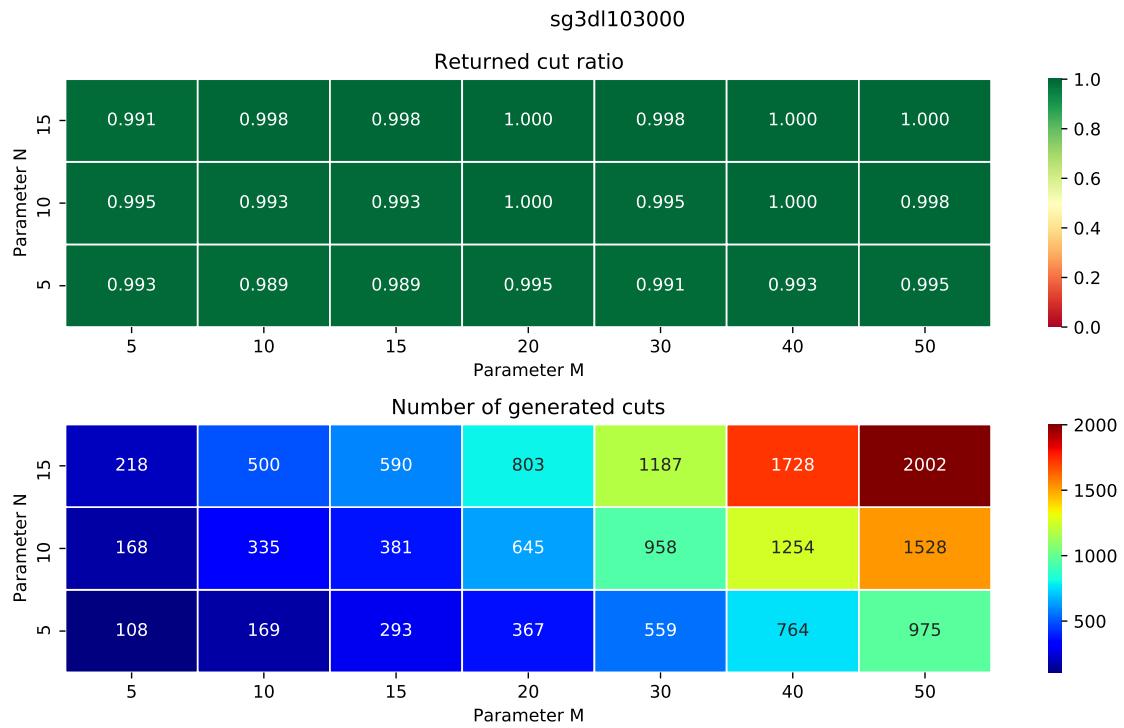


Figure 132: The top plot shows the ratio of the returned value and the highest reached value and the bottom plot shows the number of generated cuts. The optimal value is not known.

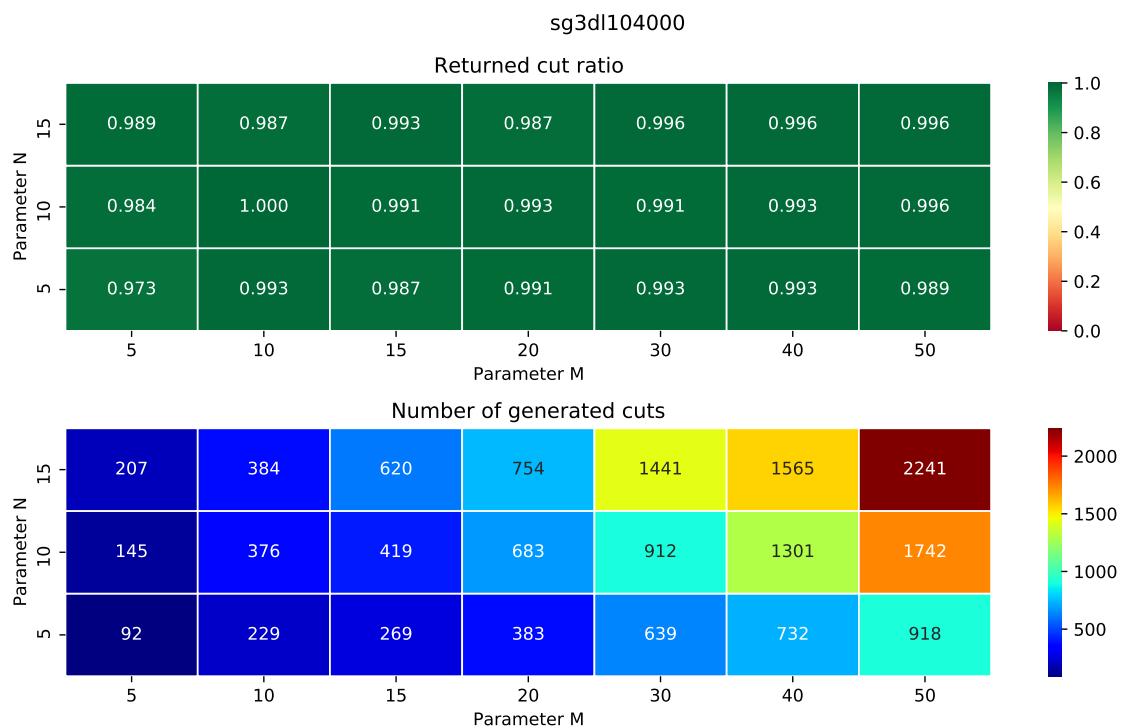


Figure 133: The top plot shows the ratio of the returned value and the highest reached value and the bottom plot shows the number of generated cuts. The optimal value is not known.

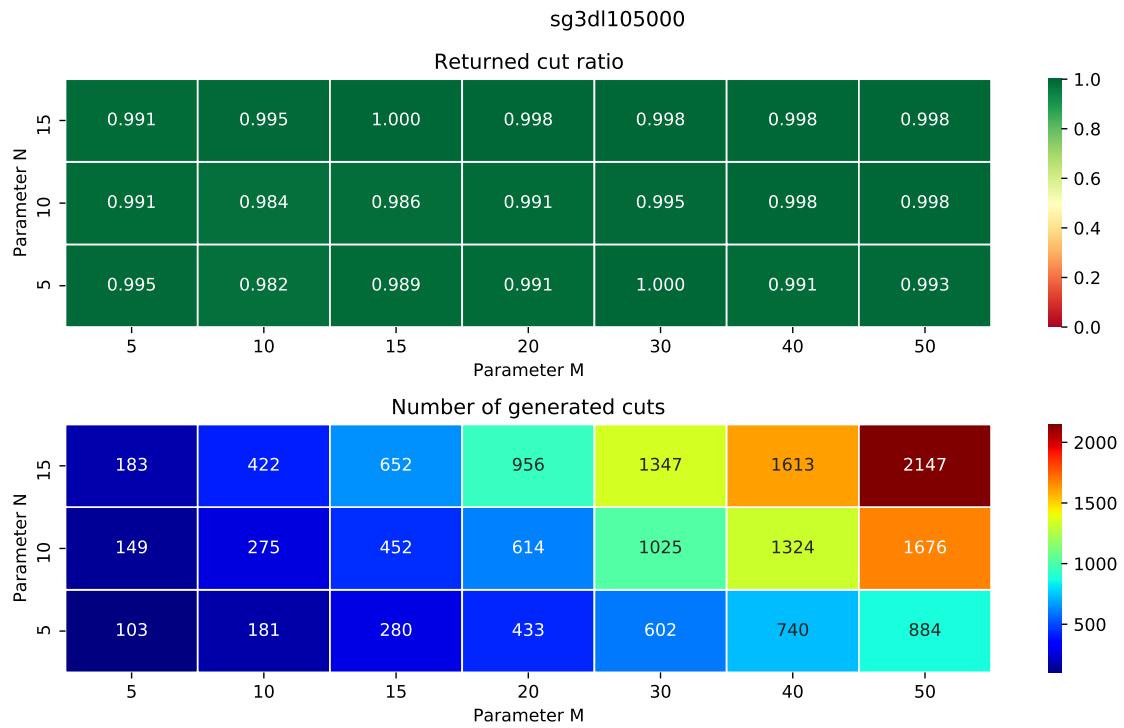


Figure 134: The top plot shows the ratio of the returned value and the highest reached value and the bottom plot shows the number of generated cuts. The optimal value is not known.

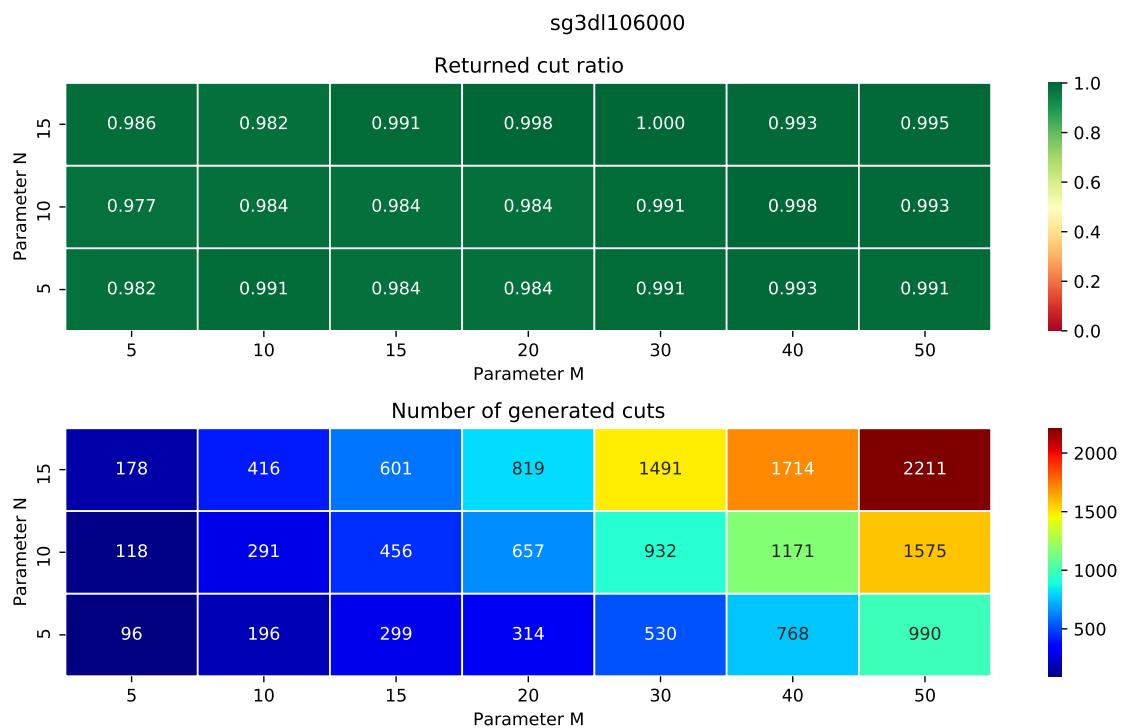


Figure 135: The top plot shows the ratio of the returned value and the highest reached value and the bottom plot shows the number of generated cuts. The optimal value is not known.

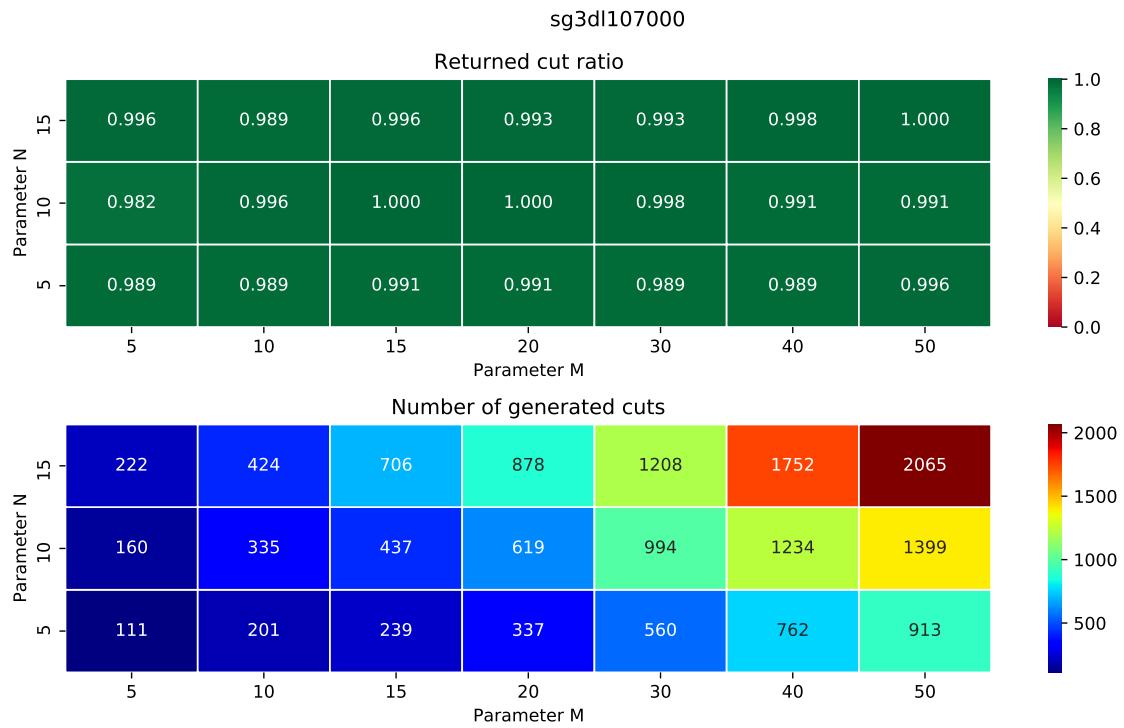


Figure 136: The top plot shows the ratio of the returned value and the highest reached value and the bottom plot shows the number of generated cuts. The optimal value is not known.

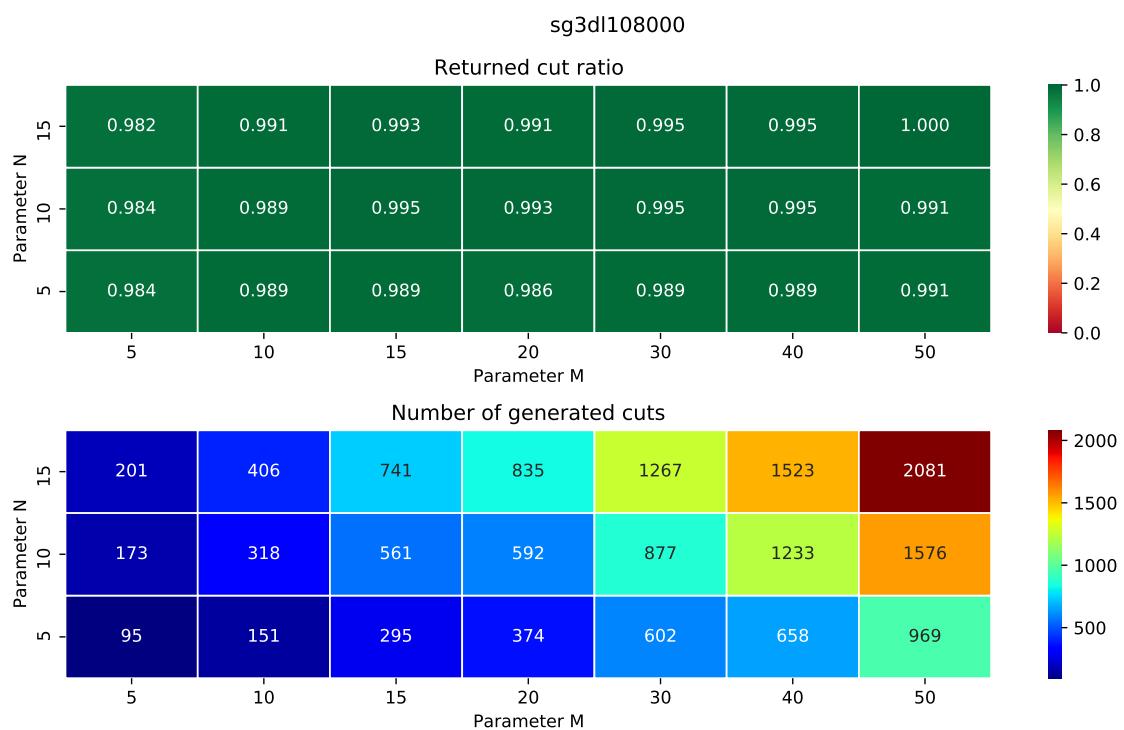


Figure 137: The top plot shows the ratio of the returned value and the highest reached value and the bottom plot shows the number of generated cuts. The optimal value is not known.

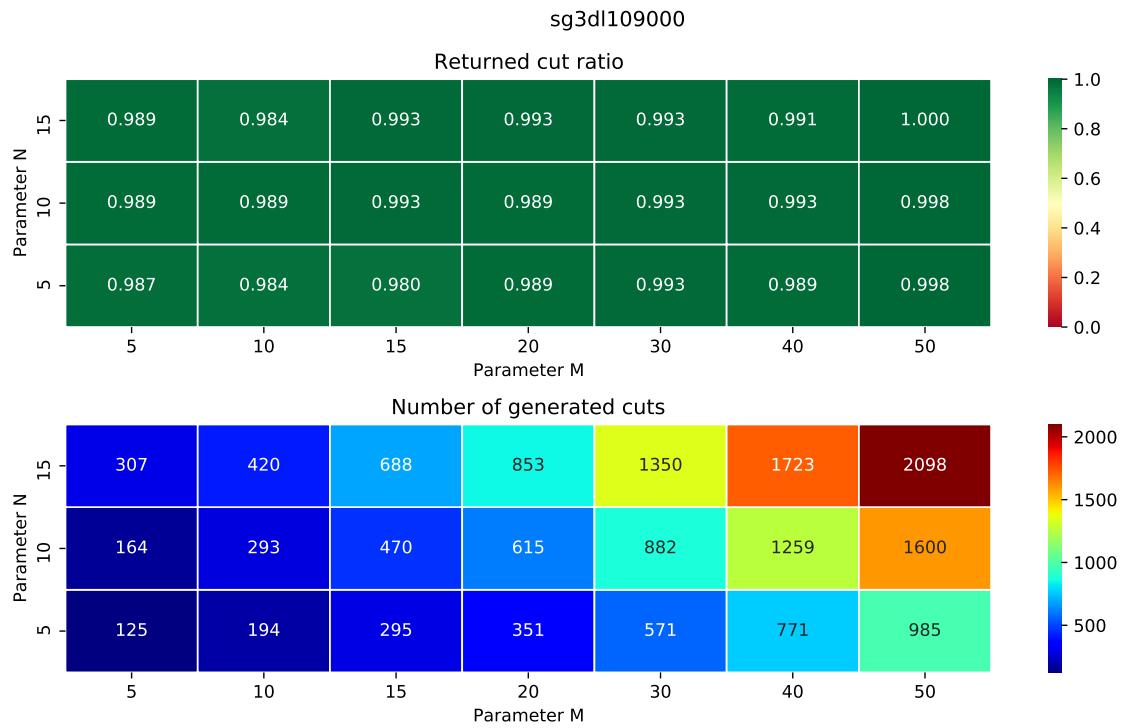


Figure 138: The top plot shows the ratio of the returned value and the highest reached value and the bottom plot shows the number of generated cuts. The optimal value is not known.

sg3dl141000

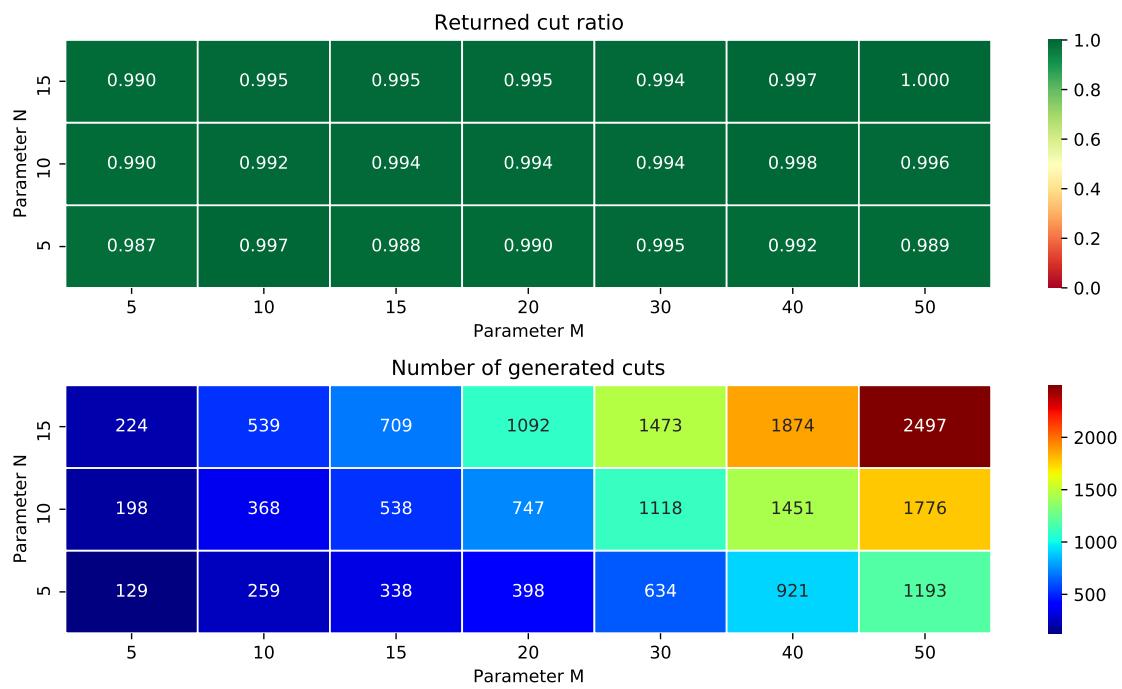


Figure 139: The top plot shows the ratio of the returned value and the highest reached value and the bottom plot shows the number of generated cuts. The optimal value is not known.

sg3dl142000

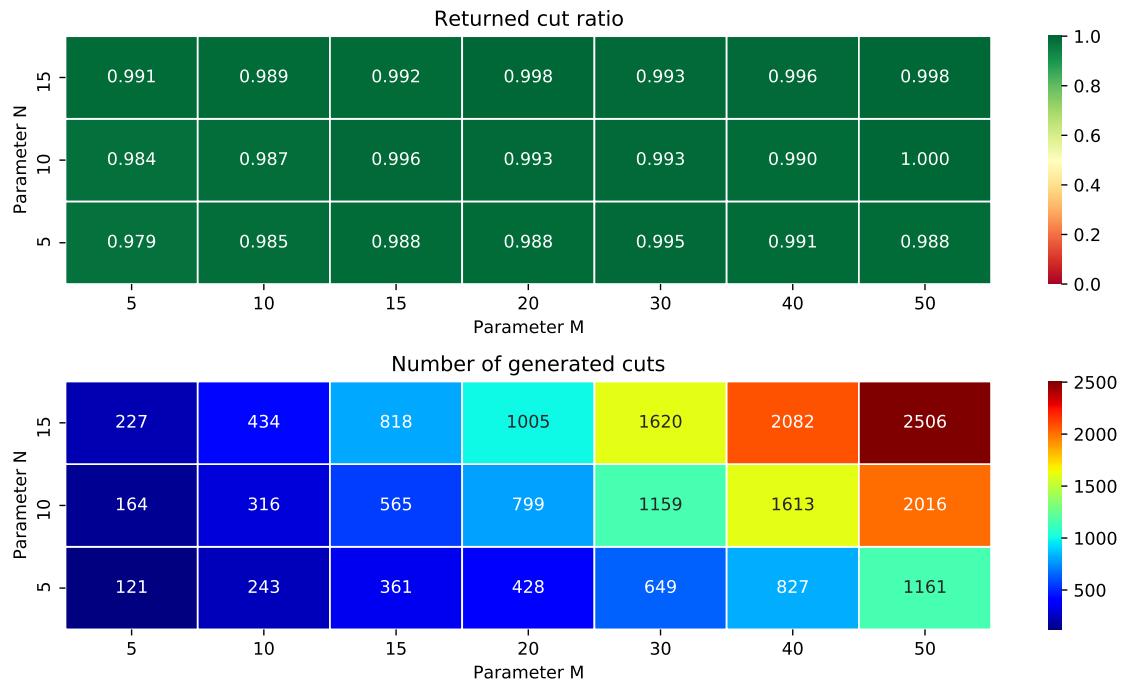
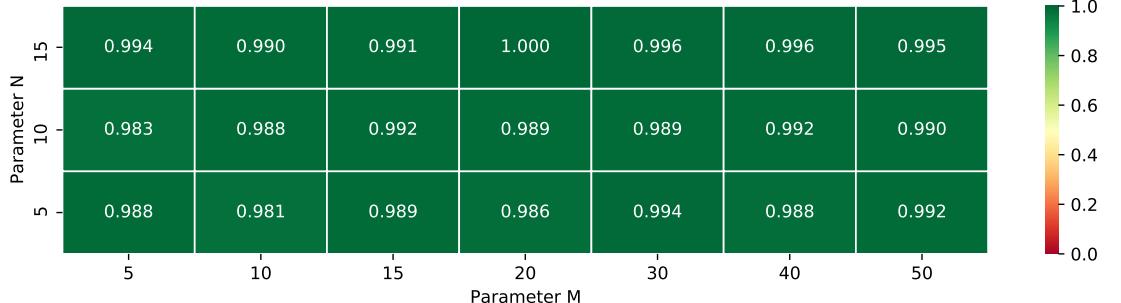


Figure 140: The top plot shows the ratio of the returned value and the highest reached value and the bottom plot shows the number of generated cuts. The optimal value is not known.

sg3dl143000

Returned cut ratio



Number of generated cuts

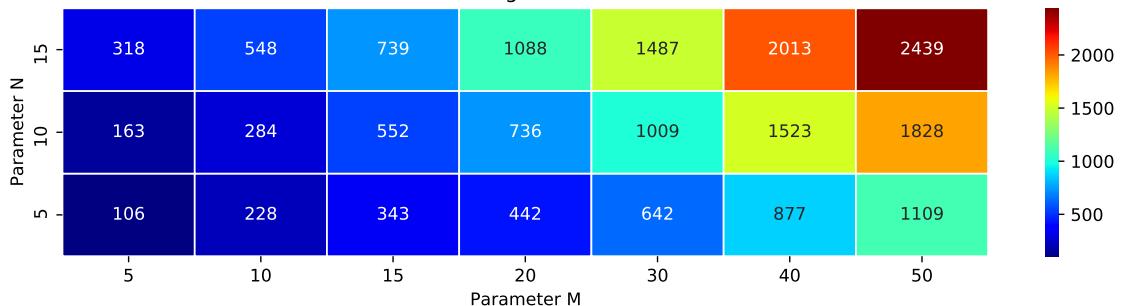
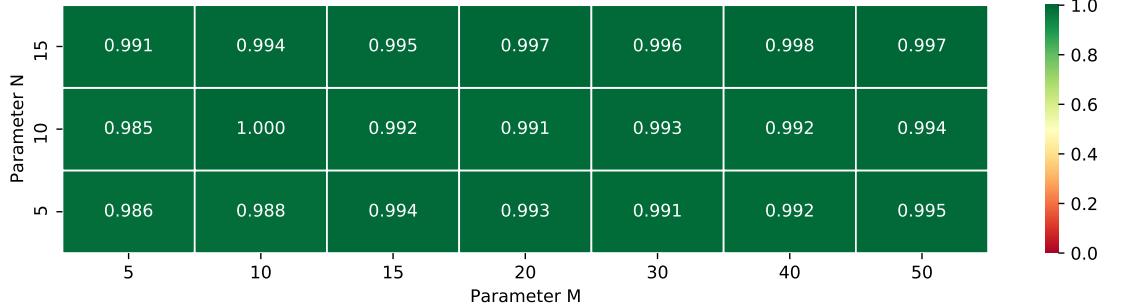


Figure 141: The top plot shows the ratio of the returned value and the highest reached value and the bottom plot shows the number of generated cuts. The optimal value is not known.

sg3dl144000

Returned cut ratio



Number of generated cuts

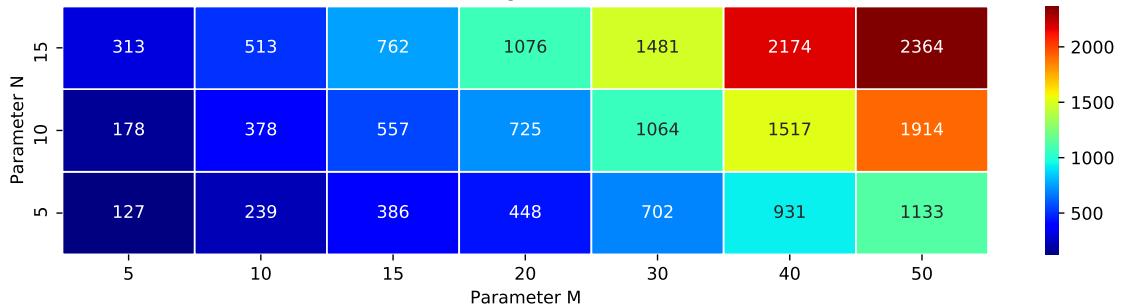


Figure 142: The top plot shows the ratio of the returned value and the highest reached value and the bottom plot shows the number of generated cuts. The optimal value is not known.

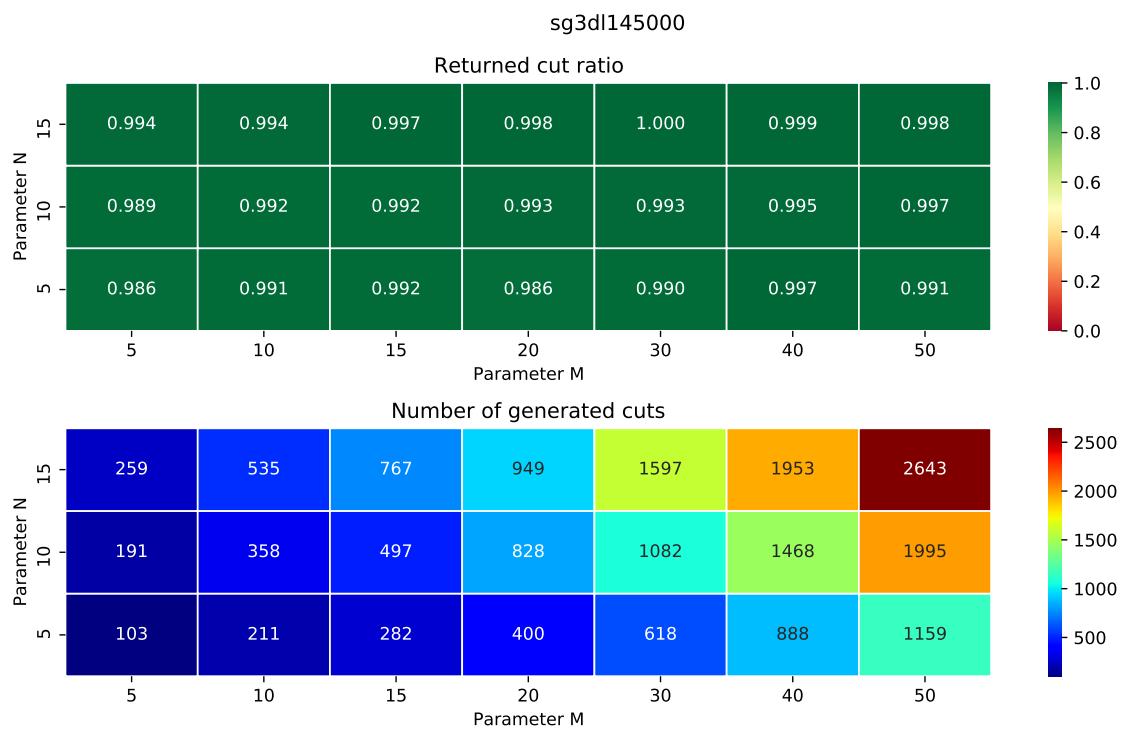


Figure 143: The top plot shows the ratio of the returned value and the highest reached value and the bottom plot shows the number of generated cuts. The optimal value is not known.

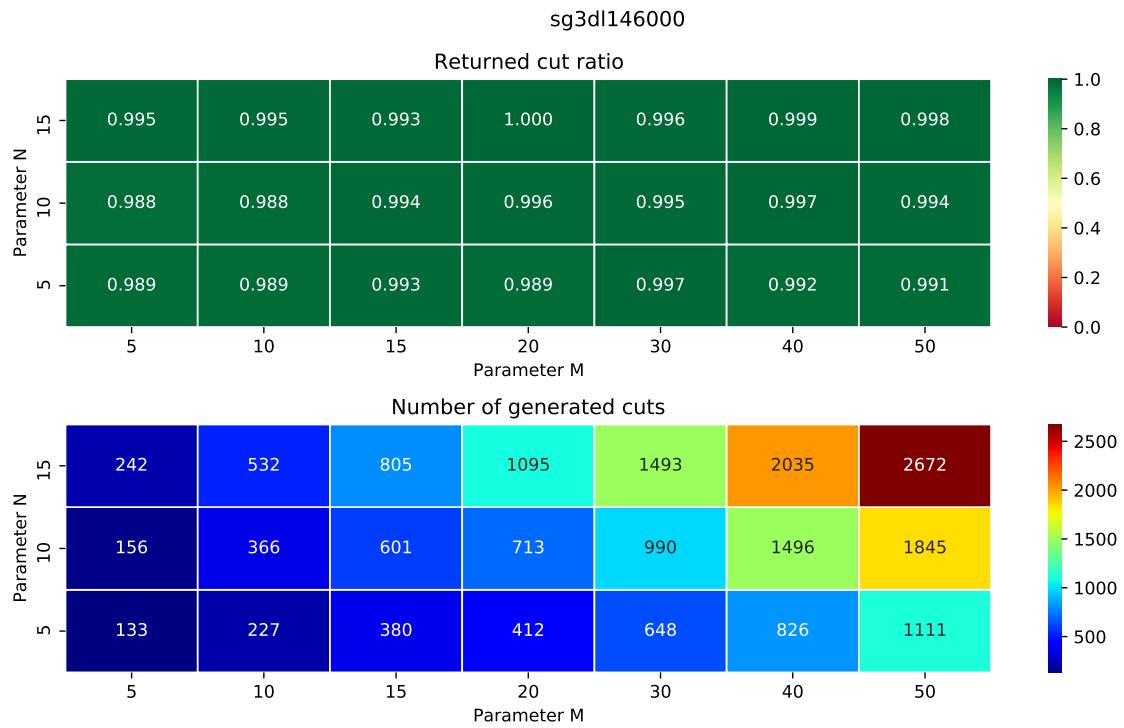


Figure 144: The top plot shows the ratio of the returned value and the highest reached value and the bottom plot shows the number of generated cuts. The optimal value is not known.

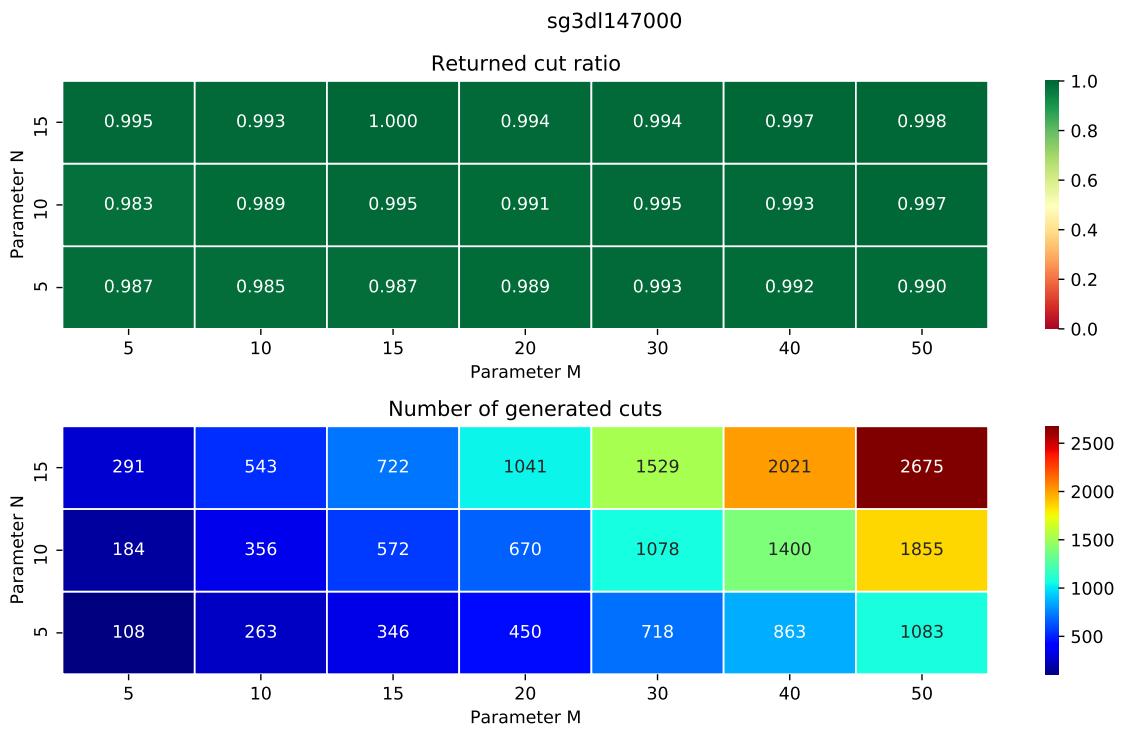


Figure 145: The top plot shows the ratio of the returned value and the highest reached value and the bottom plot shows the number of generated cuts. The optimal value is not known.

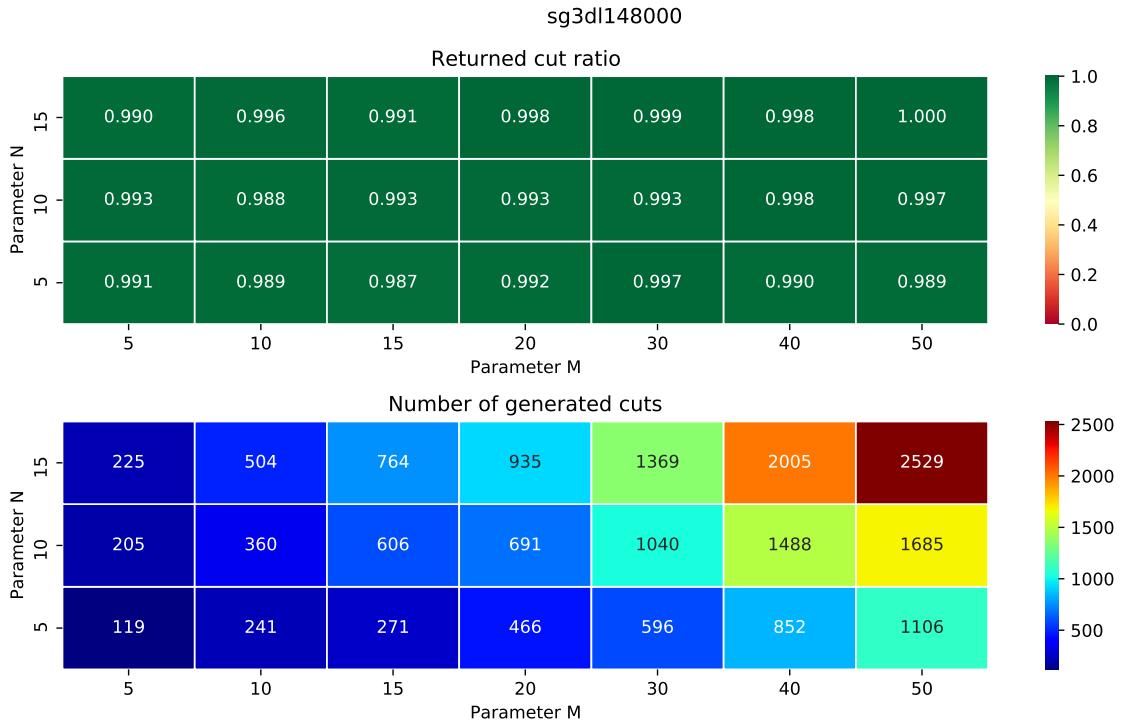


Figure 146: The top plot shows the ratio of the returned value and the highest reached value and the bottom plot shows the number of generated cuts. The optimal value is not known.

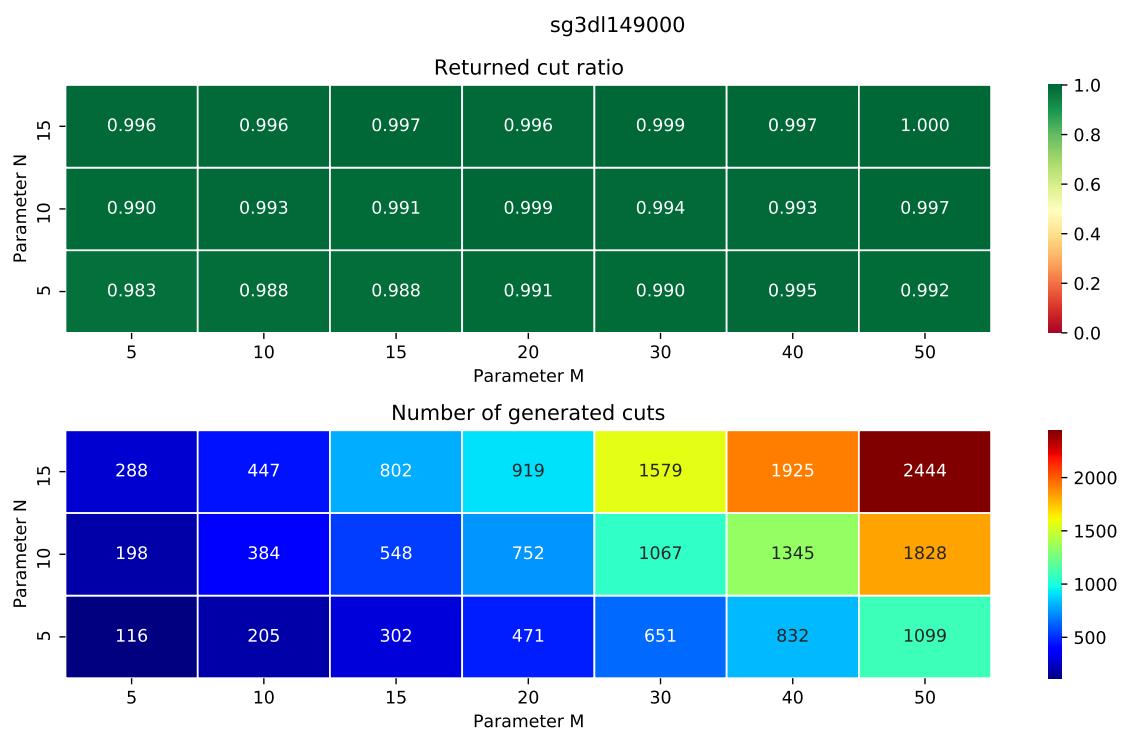


Figure 147: The top plot shows the ratio of the returned value and the highest reached value and the bottom plot shows the number of generated cuts. The optimal value is not known.

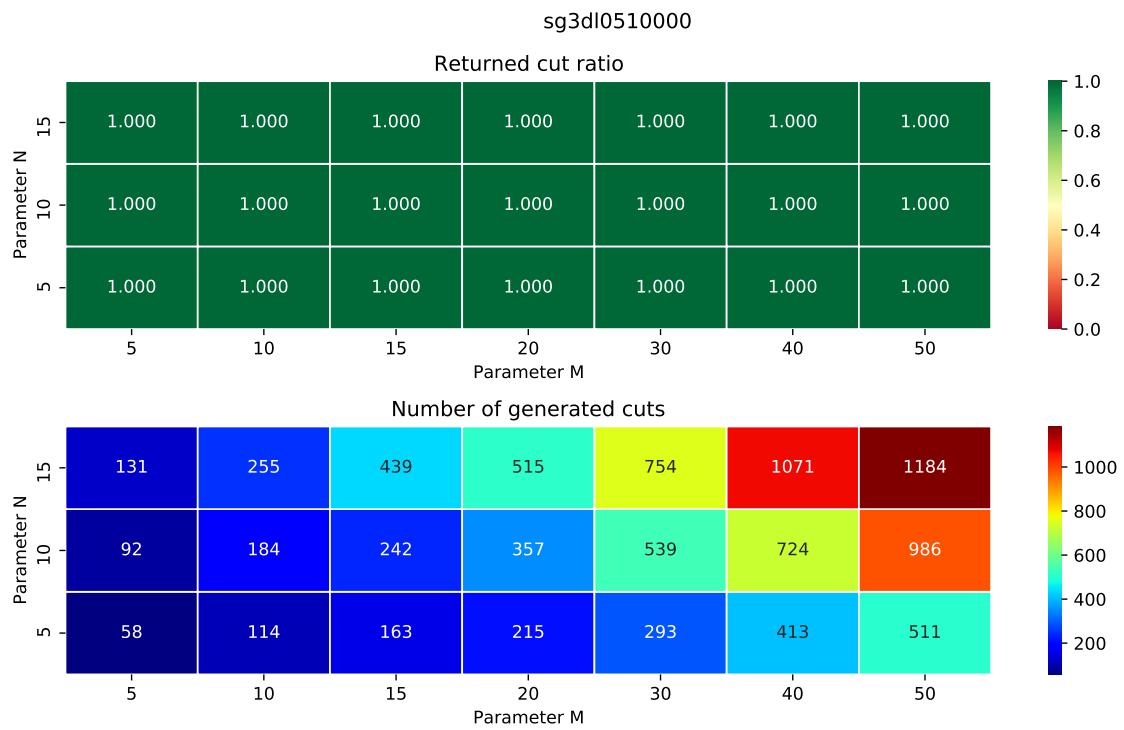


Figure 148: The top plot shows the ratio of the returned value and the highest reached value and the bottom plot shows the number of generated cuts. The optimal value is not known.

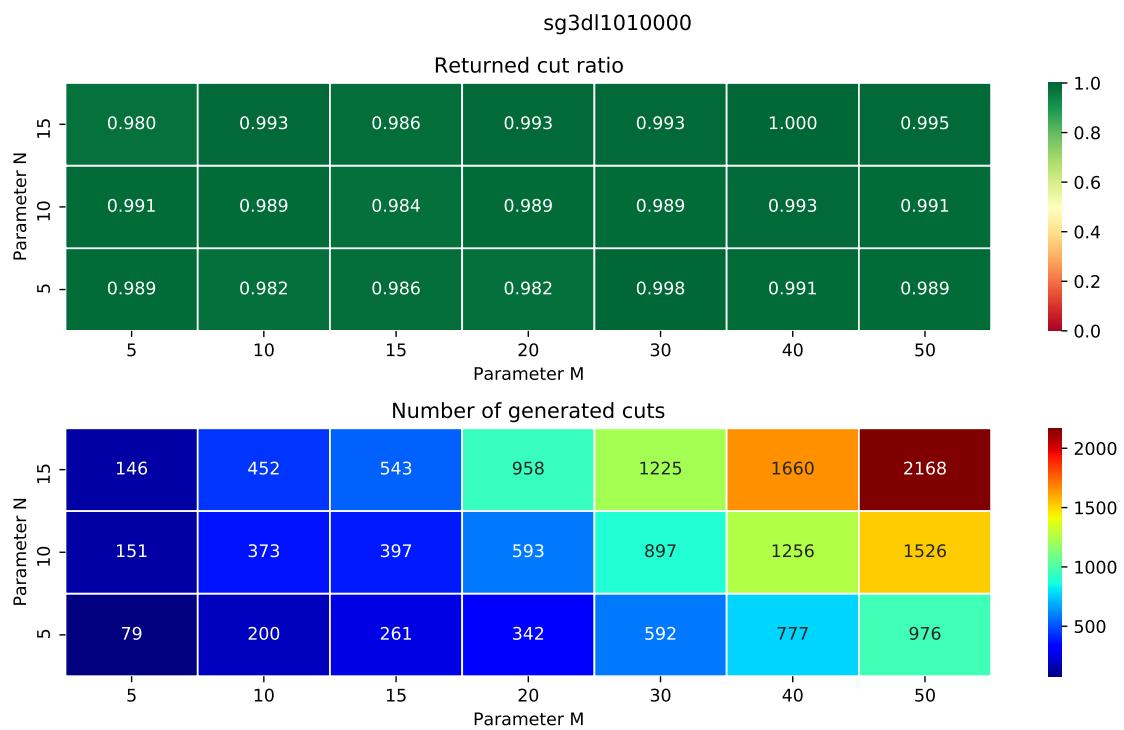


Figure 149: The top plot shows the ratio of the returned value and the highest reached value and the bottom plot shows the number of generated cuts. The optimal value is not known.

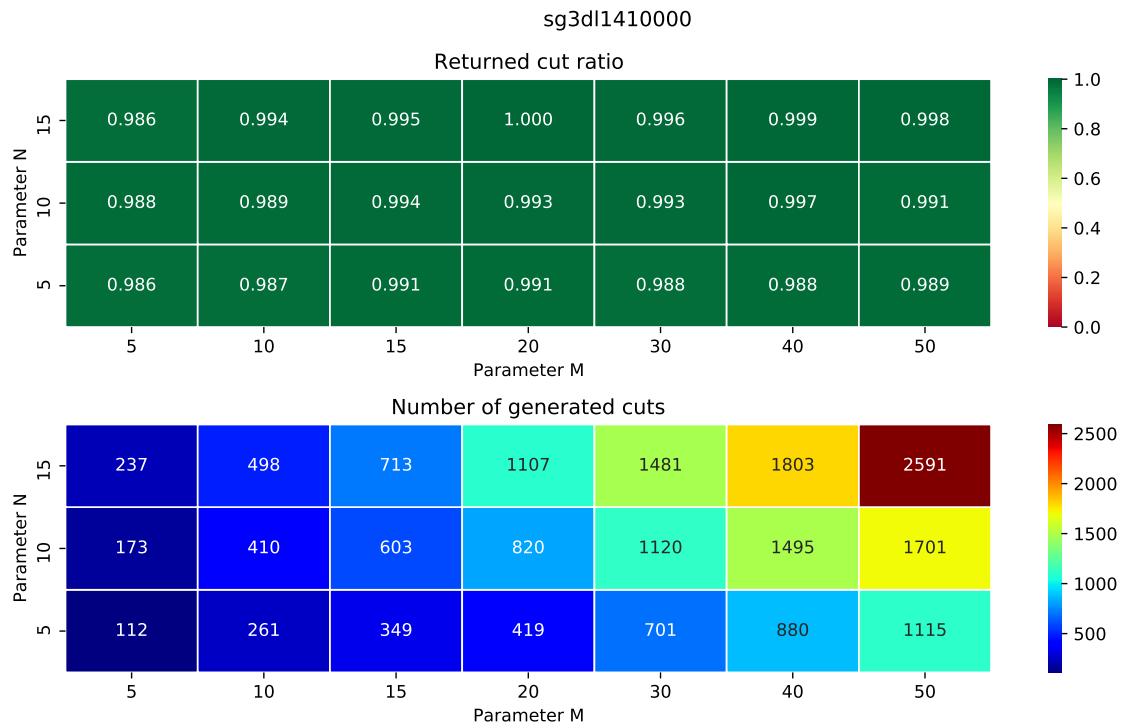


Figure 150: The top plot shows the ratio of the returned value and the highest reached value and the bottom plot shows the number of generated cuts. The optimal value is not known.

4 GKA

4.1 gkaia

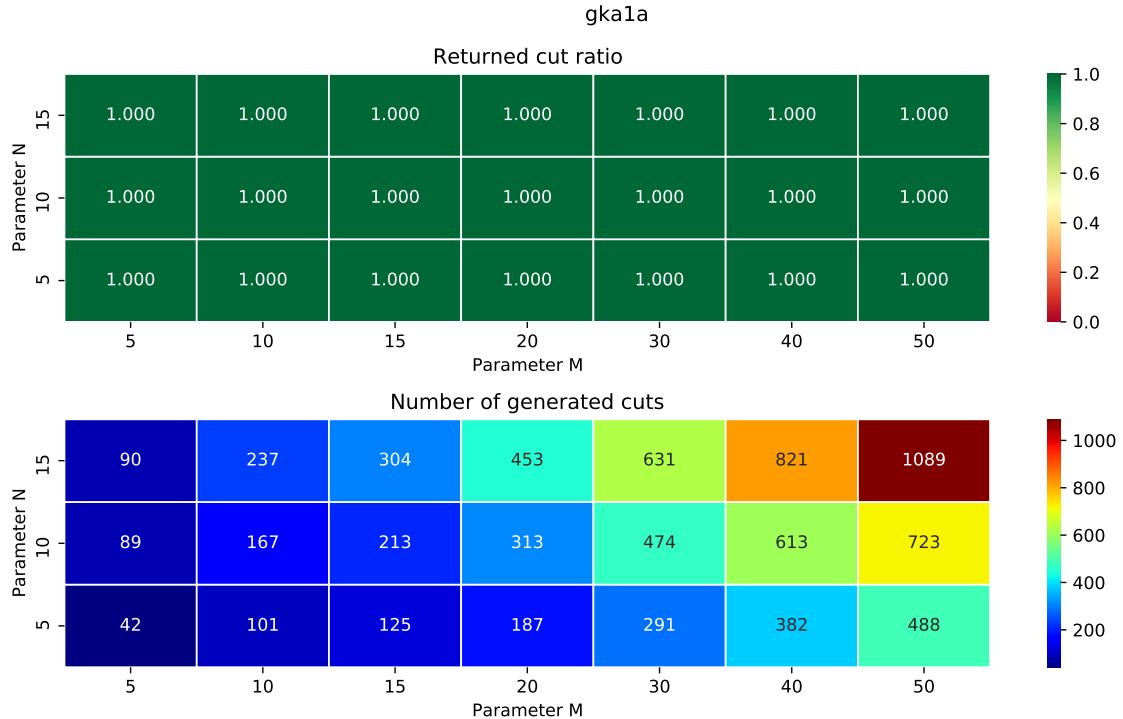


Figure 151: The top plot shows the ratio of returned value and optimal value and the bottom plot shows the number of generated cuts.

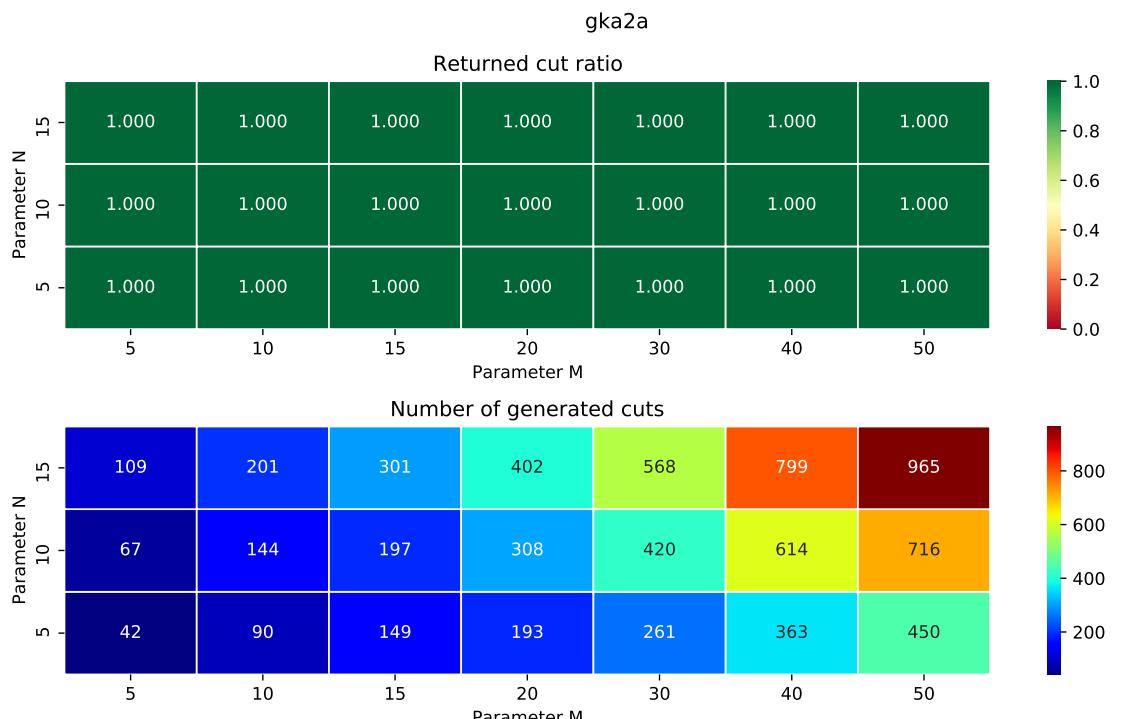


Figure 152: The top plot shows the ratio of returned value and optimal value and the bottom plot shows the number of generated cuts.

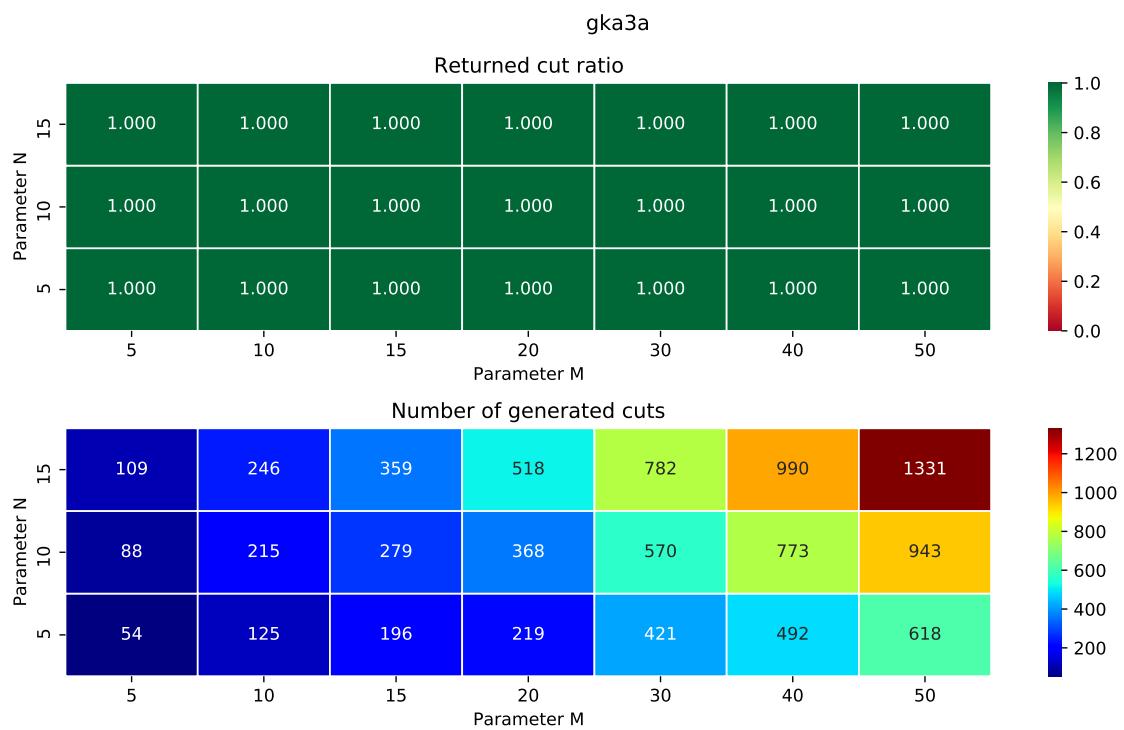


Figure 153: The top plot shows the ratio of returned value and optimal value and the bottom plot shows the number of generated cuts.

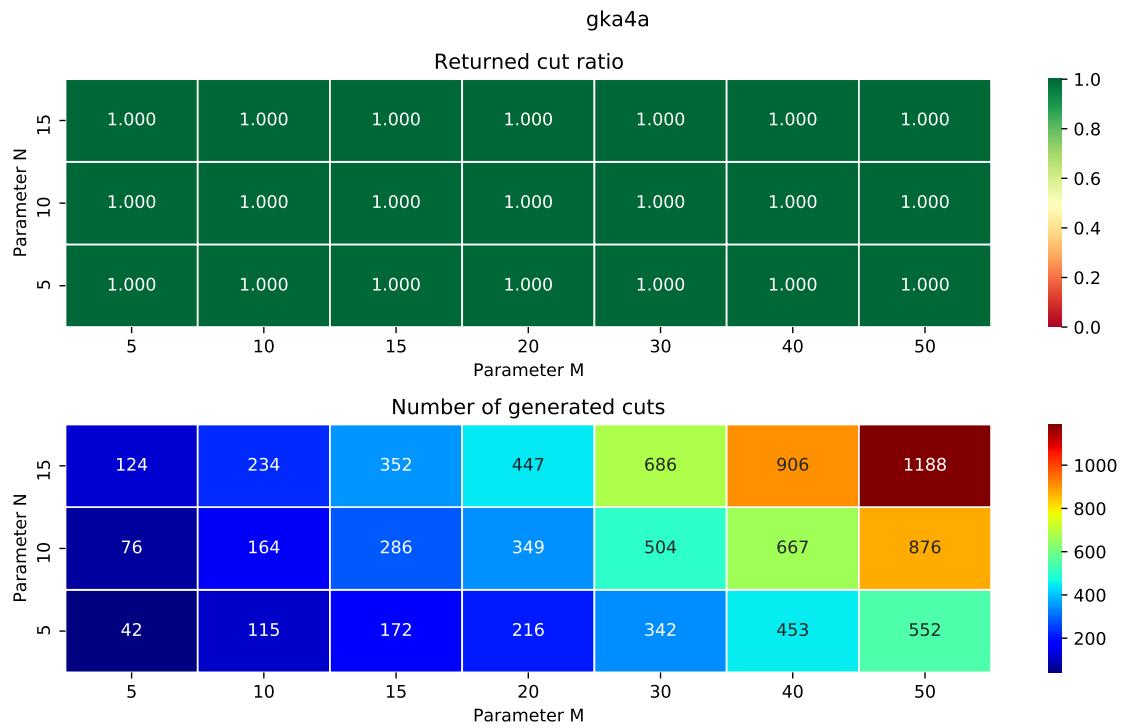


Figure 154: The top plot shows the ratio of returned value and optimal value and the bottom plot shows the number of generated cuts.

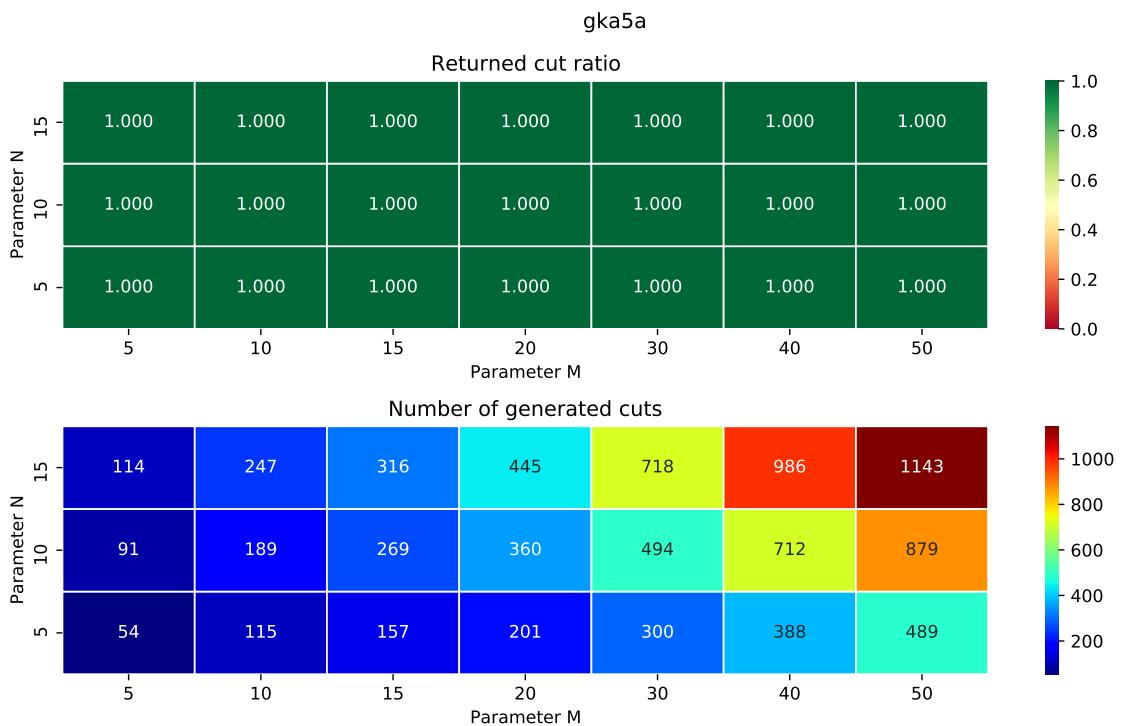


Figure 155: The top plot shows the ratio of returned value and optimal value and the bottom plot shows the number of generated cuts.

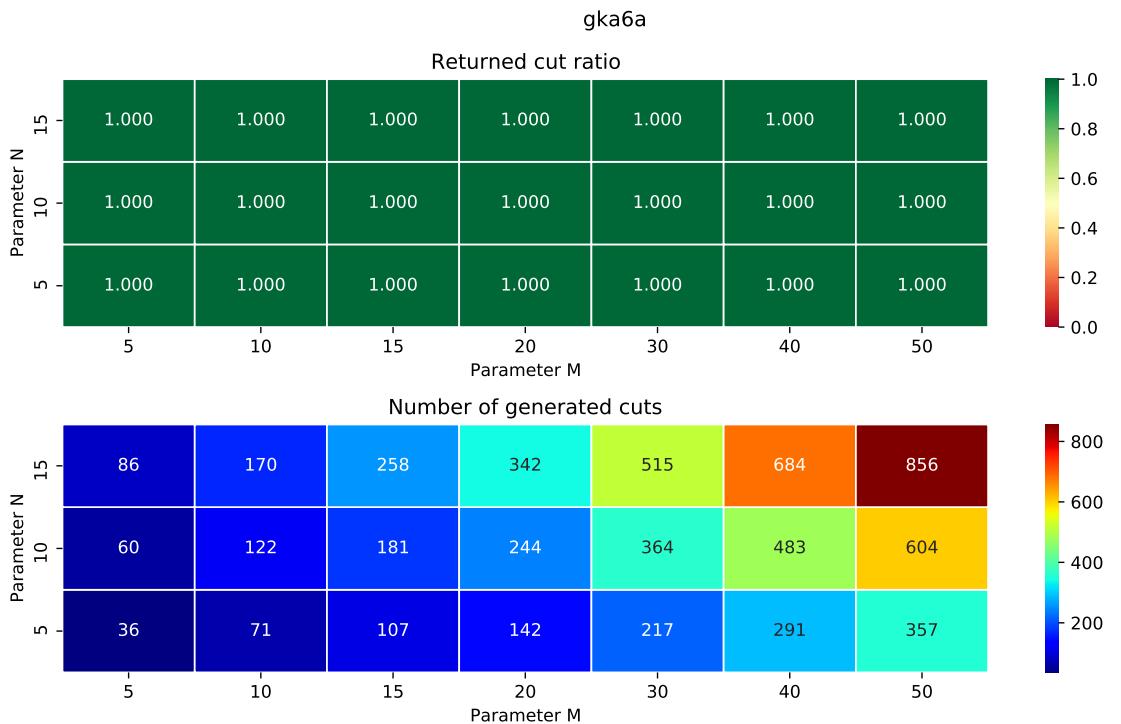


Figure 156: The top plot shows the ratio of returned value and optimal value and the bottom plot shows the number of generated cuts.

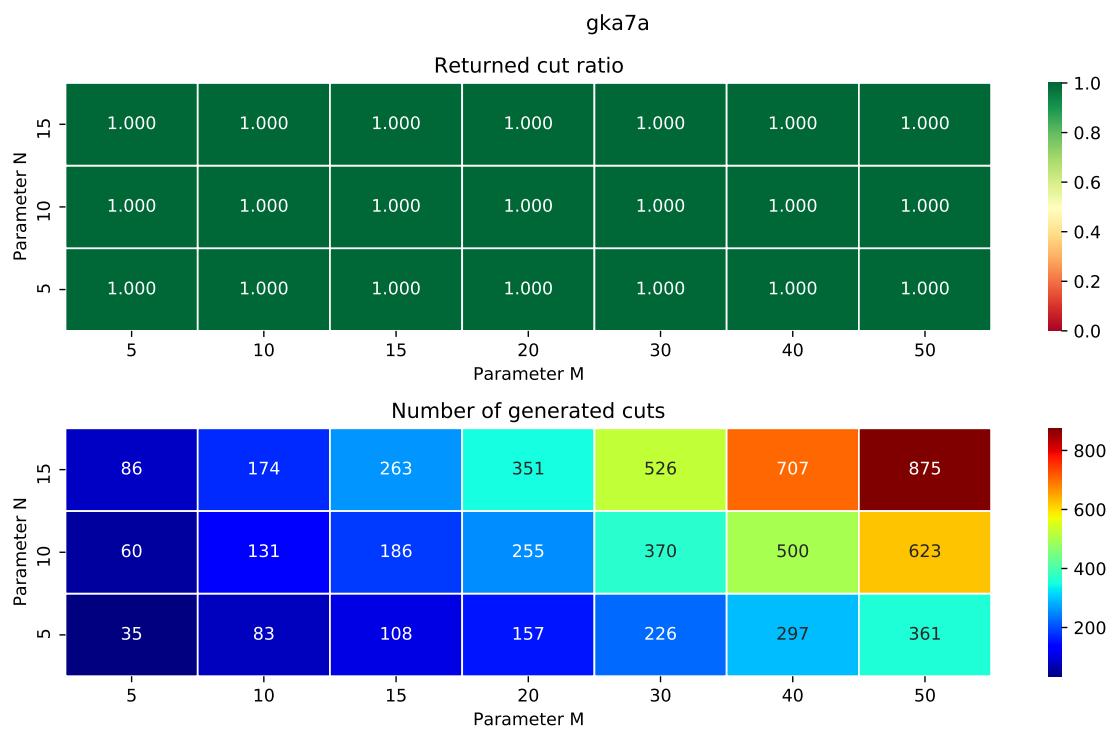


Figure 157: The top plot shows the ratio of returned value and optimal value and the bottom plot shows the number of generated cuts.

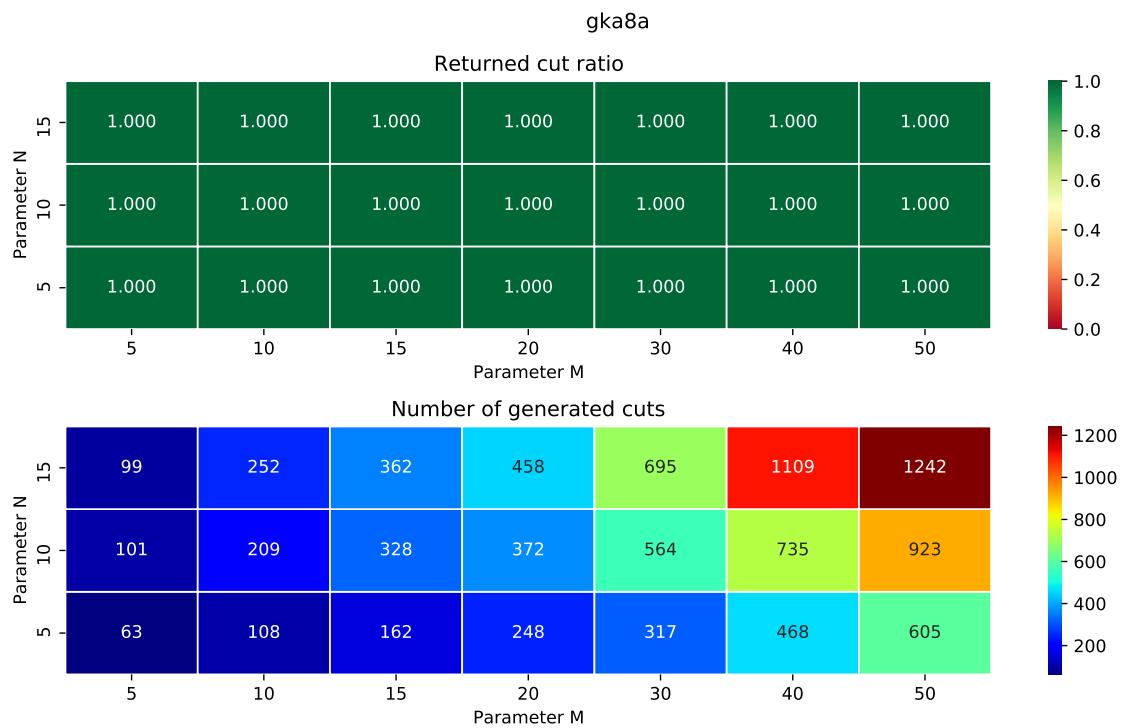


Figure 158: The top plot shows the ratio of returned value and optimal value and the bottom plot shows the number of generated cuts.

4.2 gkaib

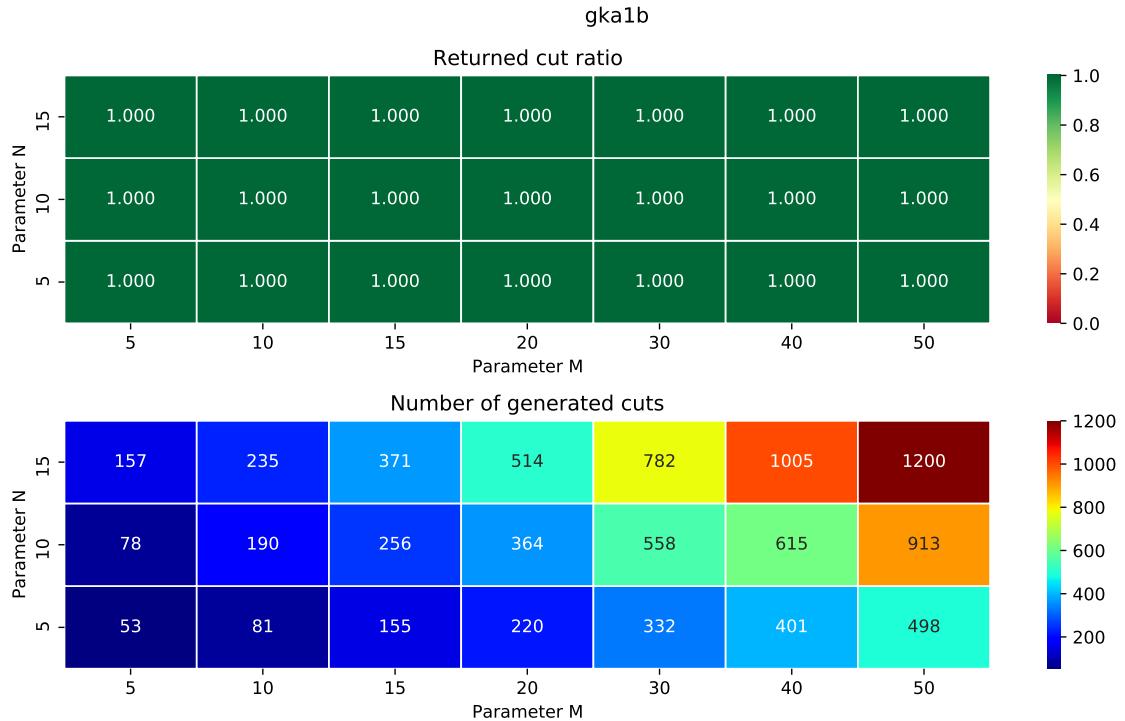


Figure 159: The top plot shows the ratio of returned value and optimal value and the bottom plot shows the number of generated cuts.

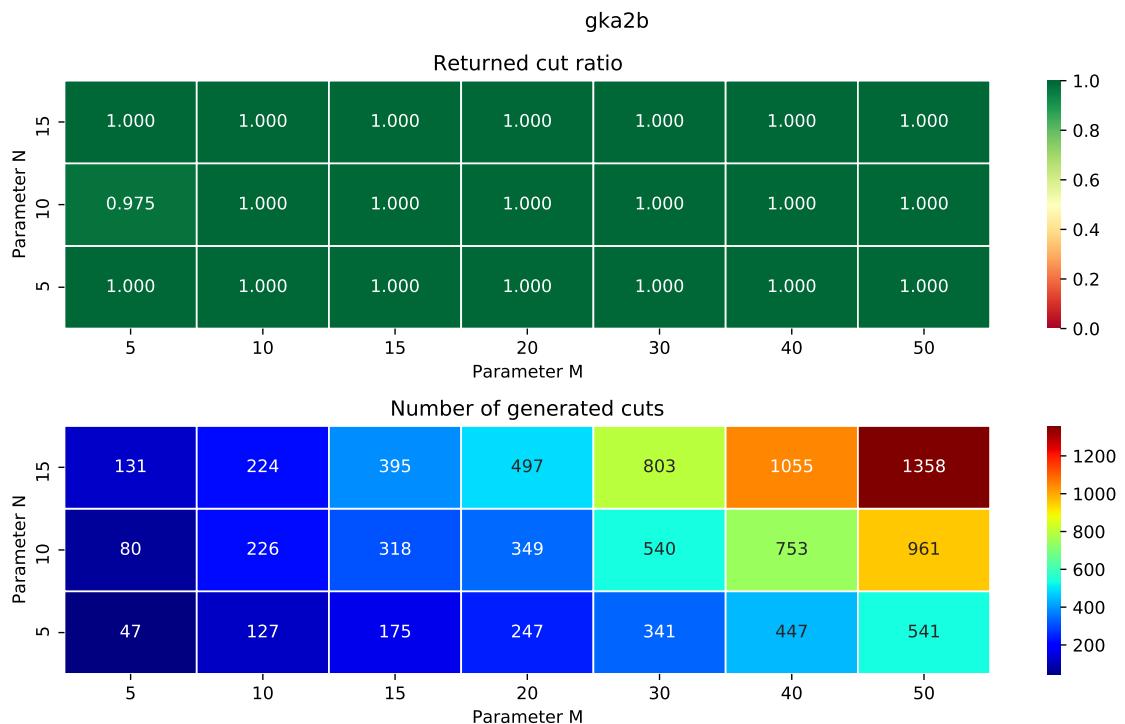


Figure 160: The top plot shows the ratio of returned value and optimal value and the bottom plot shows the number of generated cuts.

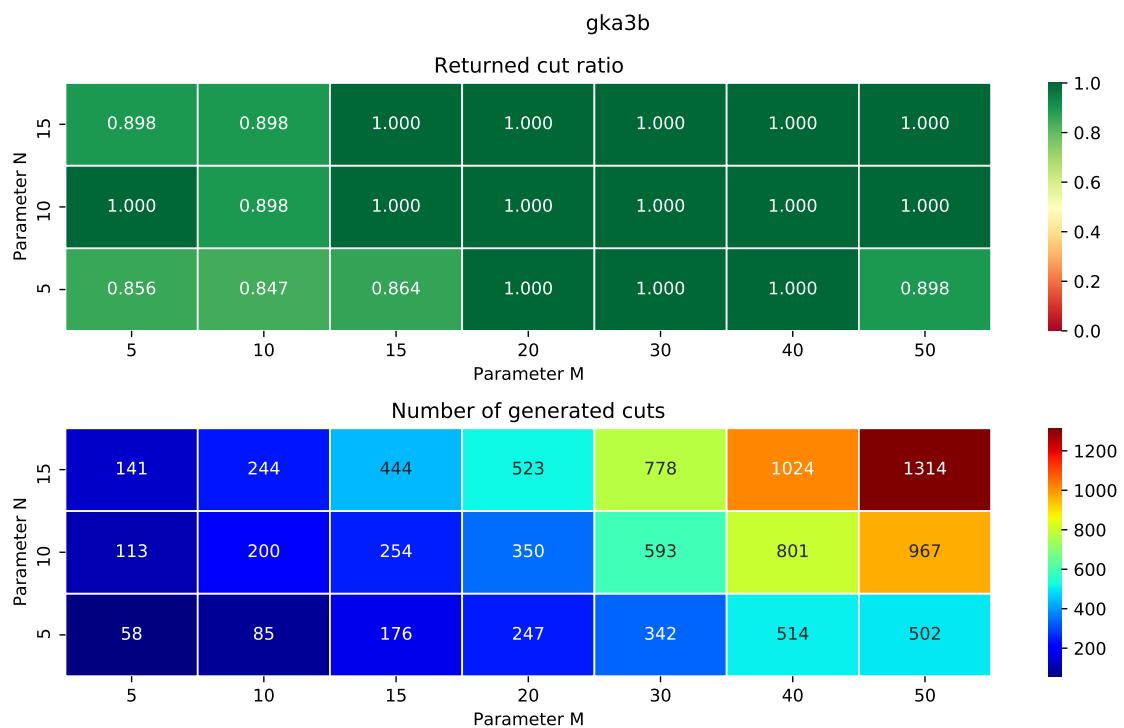


Figure 161: The top plot shows the ratio of returned value and optimal value and the bottom plot shows the number of generated cuts.

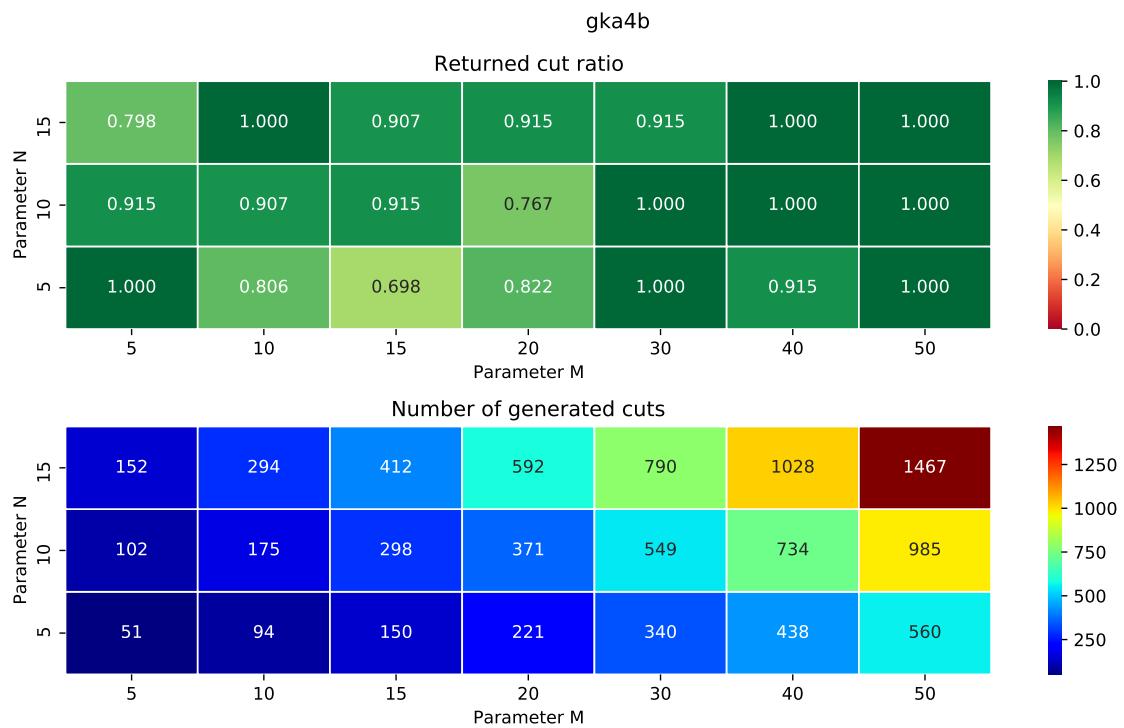


Figure 162: The top plot shows the ratio of returned value and optimal value and the bottom plot shows the number of generated cuts.

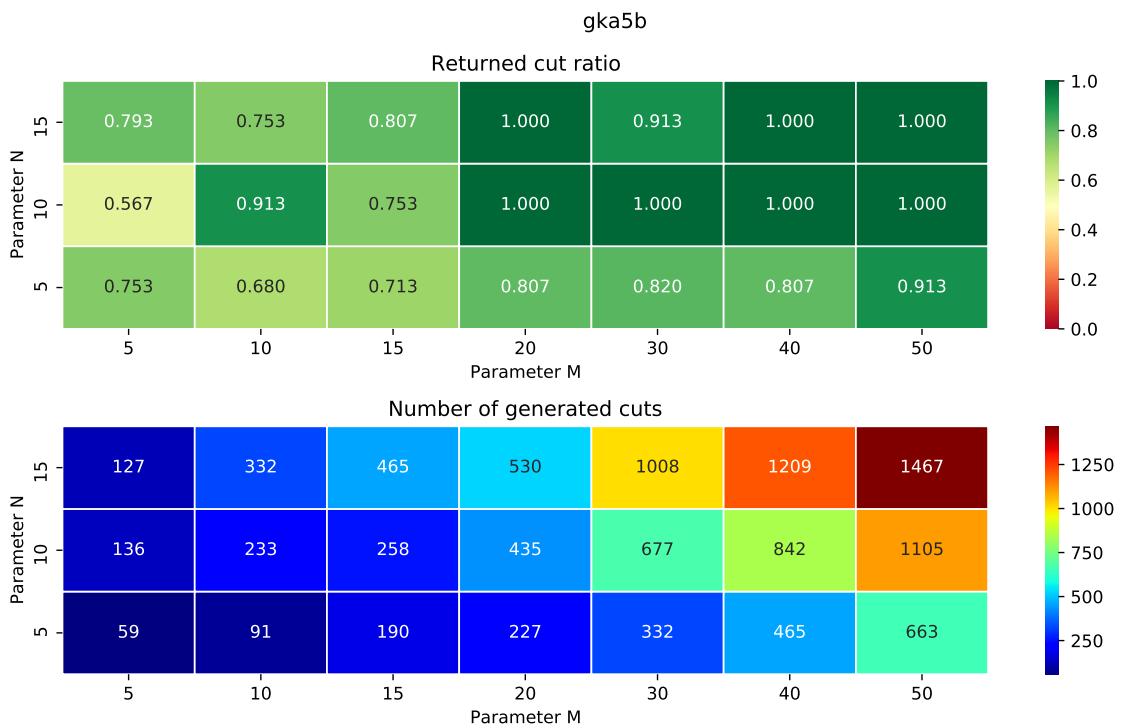


Figure 163: The top plot shows the ratio of returned value and optimal value and the bottom plot shows the number of generated cuts.

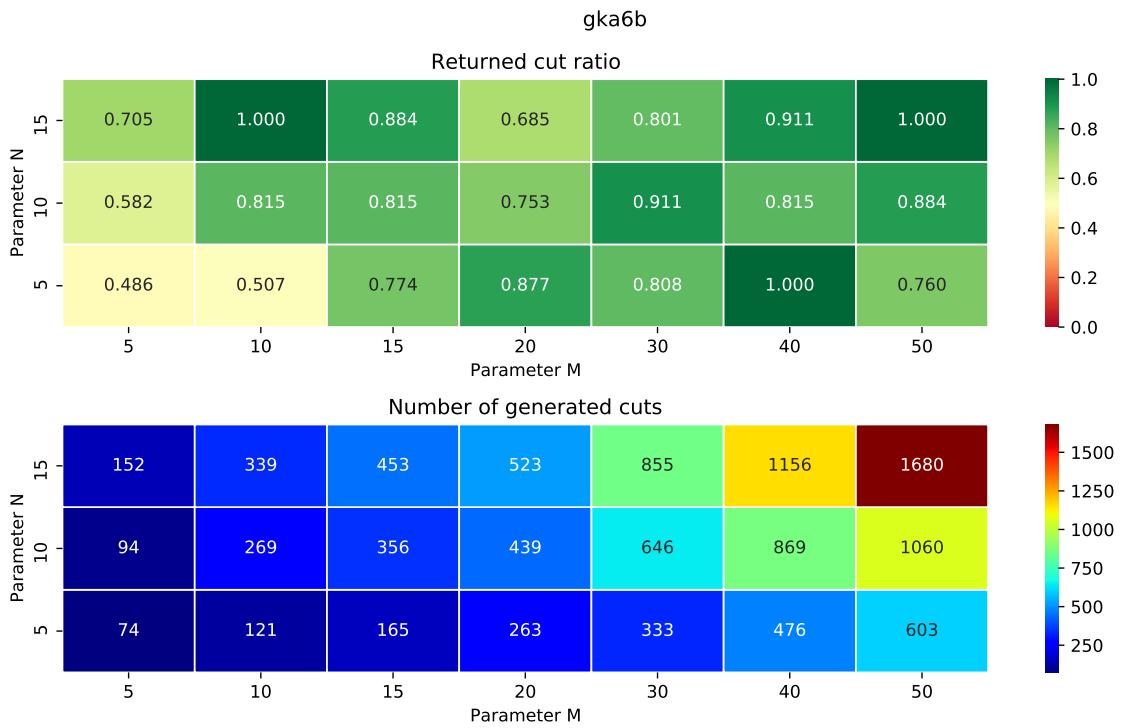


Figure 164: The top plot shows the ratio of returned value and optimal value and the bottom plot shows the number of generated cuts.

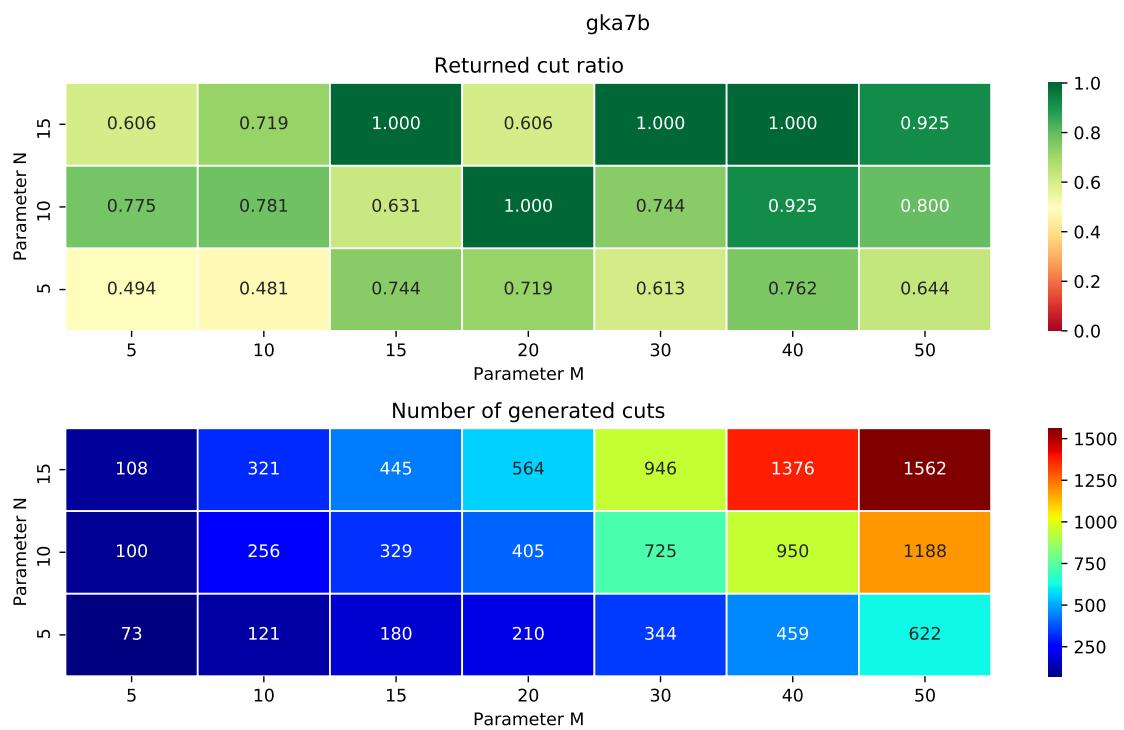


Figure 165: The top plot shows the ratio of returned value and optimal value and the bottom plot shows the number of generated cuts.

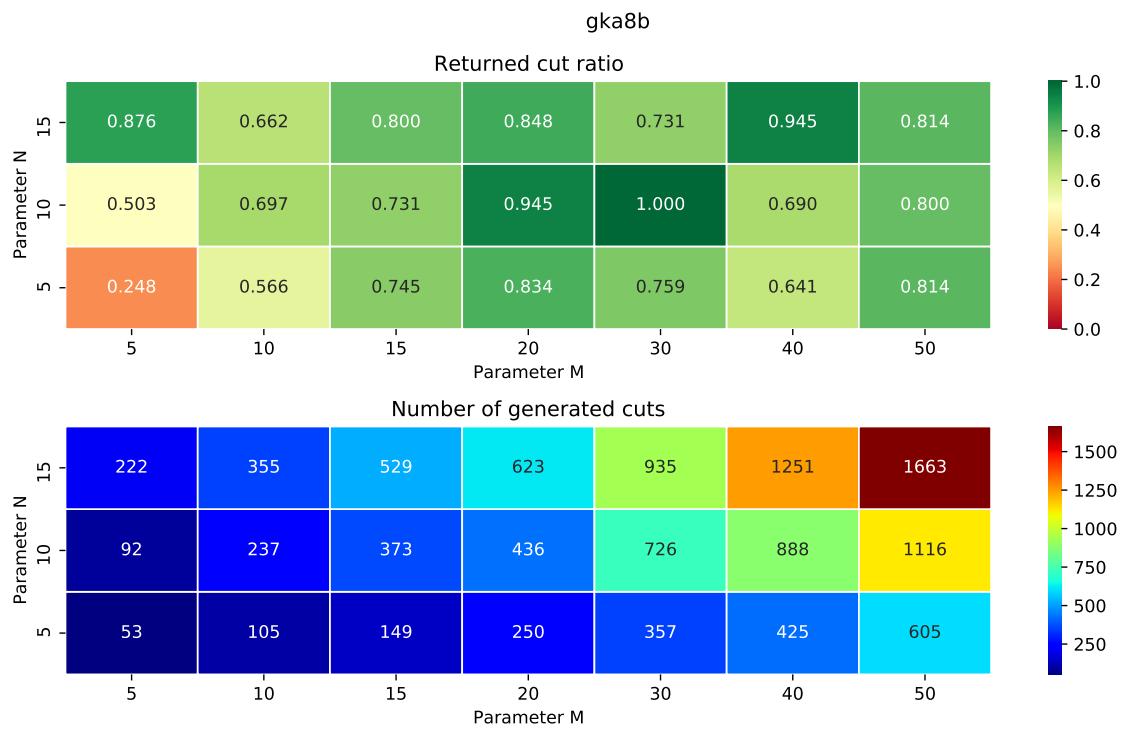


Figure 166: The top plot shows the ratio of returned value and optimal value and the bottom plot shows the number of generated cuts.

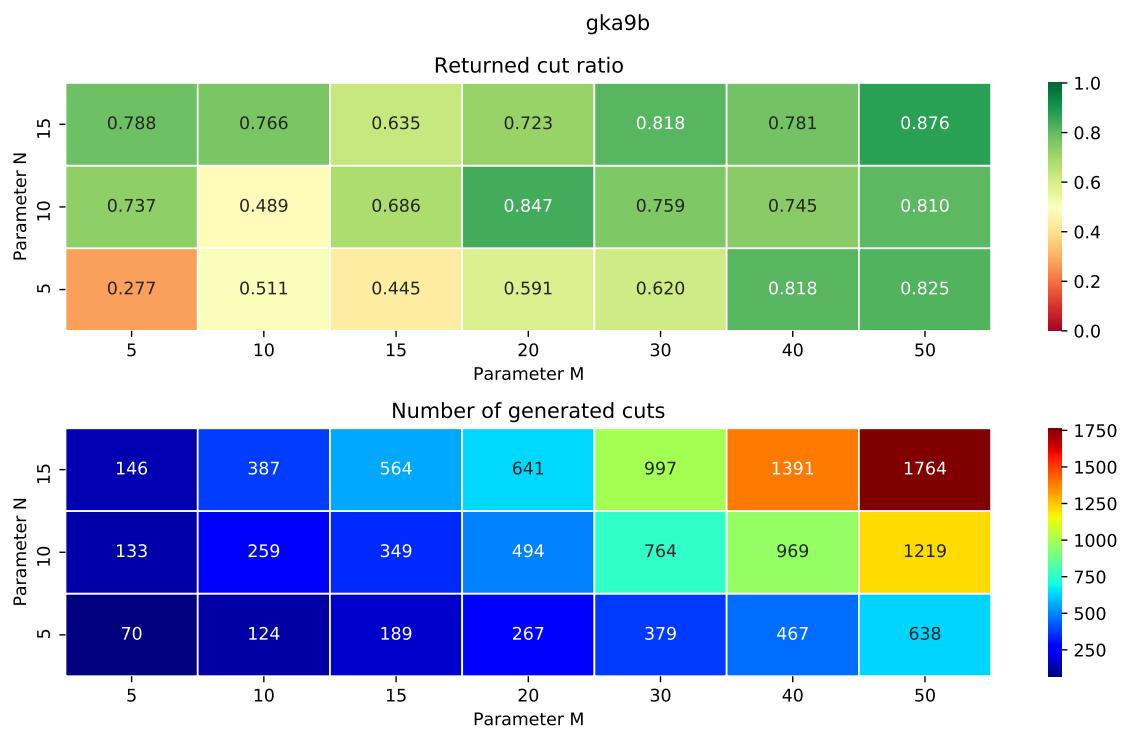


Figure 167: The top plot shows the ratio of returned value and optimal value and the bottom plot shows the number of generated cuts.

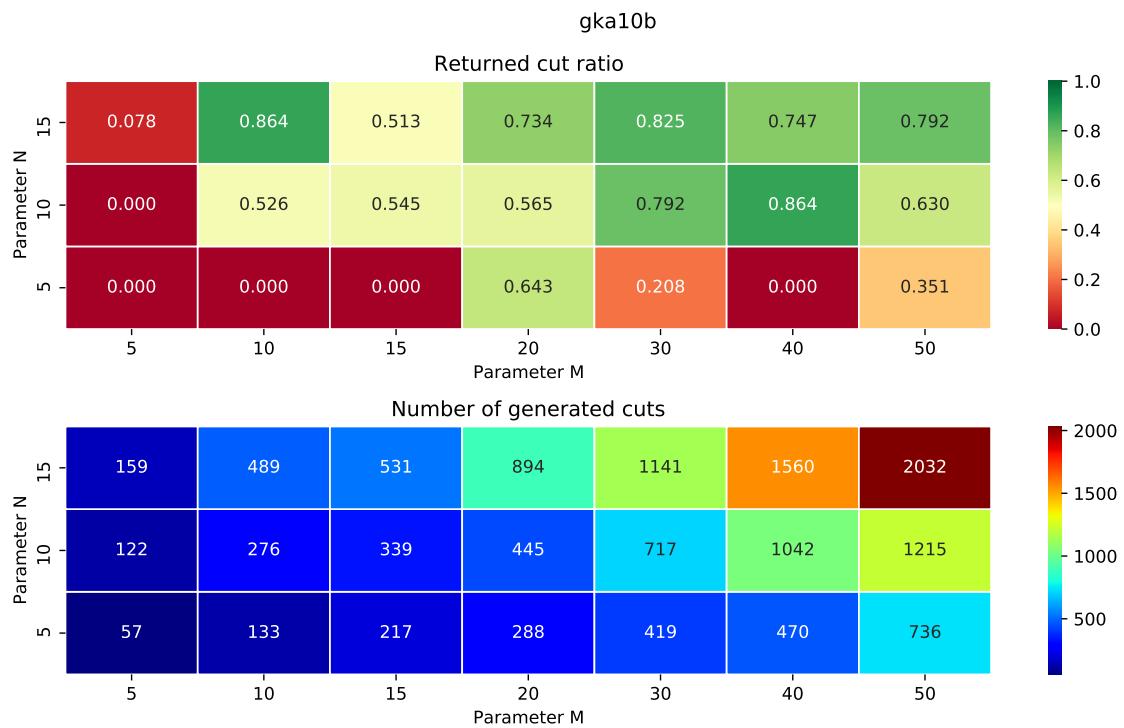


Figure 168: The top plot shows the ratio of returned value and optimal value and the bottom plot shows the number of generated cuts.

4.3 gkaic

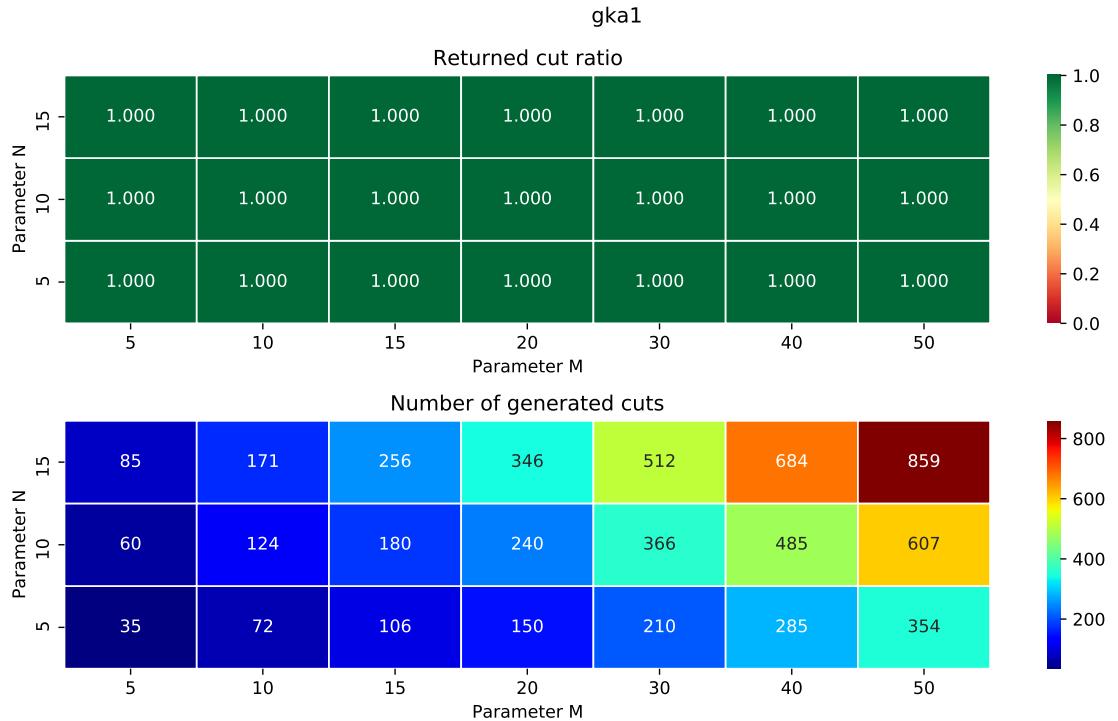


Figure 169: The top plot shows the ratio of returned value and optimal value and the bottom plot shows the number of generated cuts.

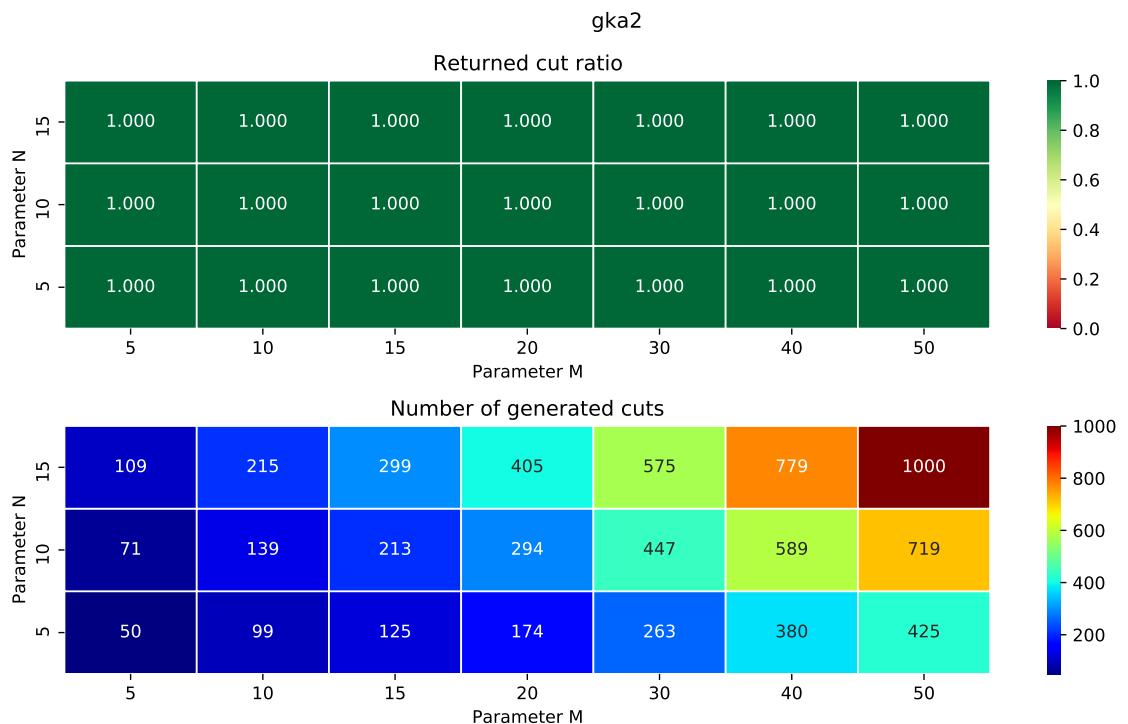


Figure 170: The top plot shows the ratio of returned value and optimal value and the bottom plot shows the number of generated cuts.

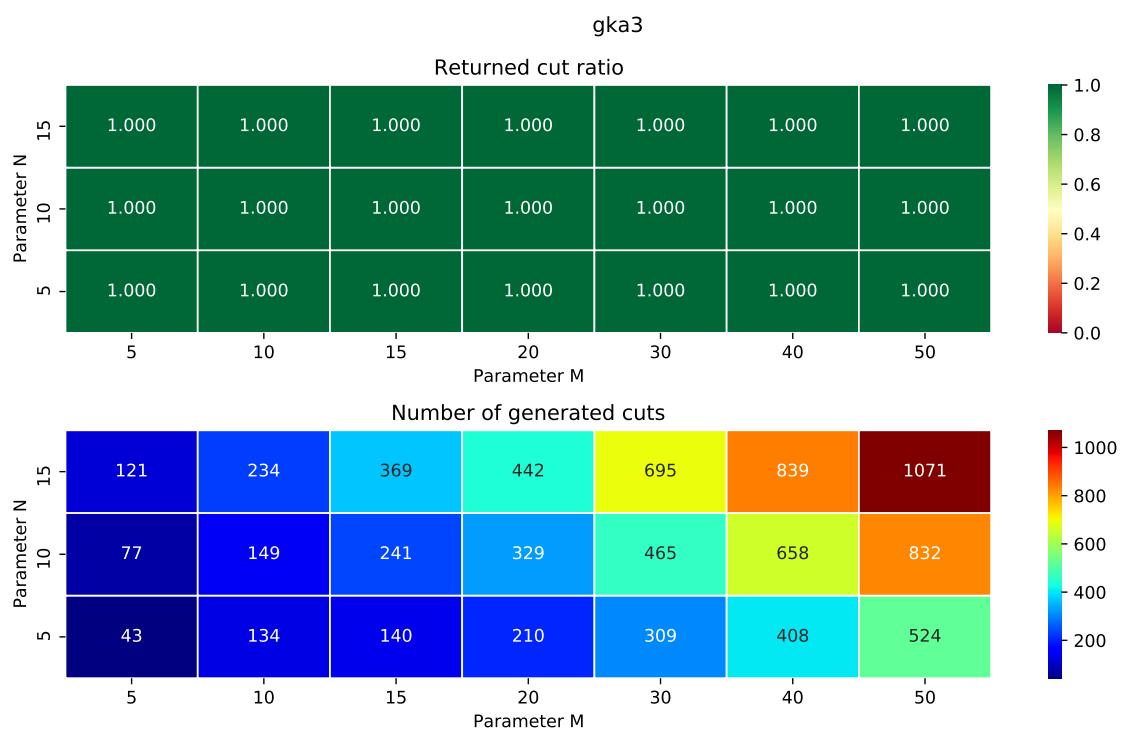


Figure 171: The top plot shows the ratio of returned value and optimal value and the bottom plot shows the number of generated cuts.

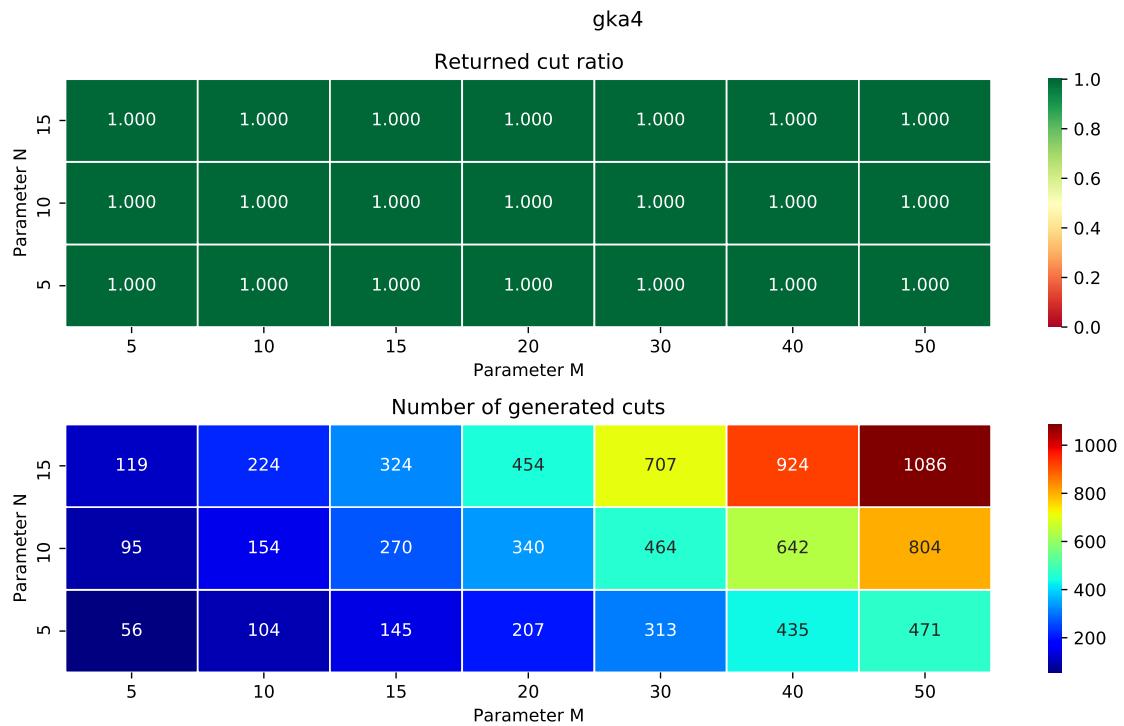


Figure 172: The top plot shows the ratio of returned value and optimal value and the bottom plot shows the number of generated cuts.

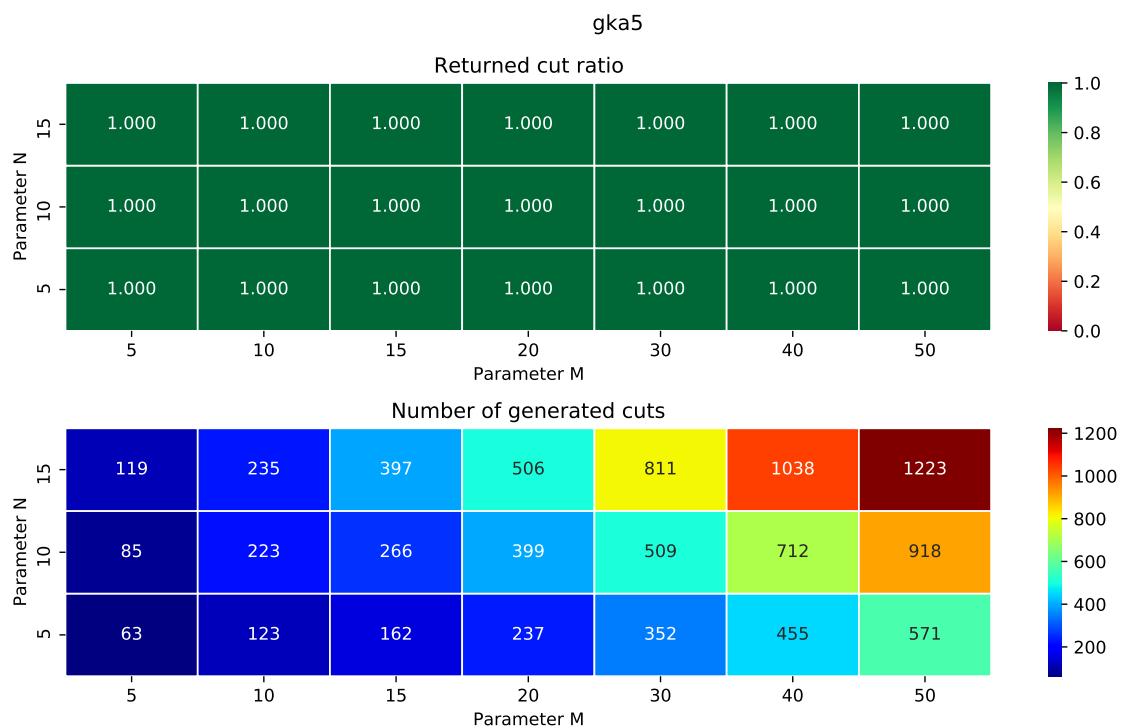


Figure 173: The top plot shows the ratio of returned value and optimal value and the bottom plot shows the number of generated cuts.

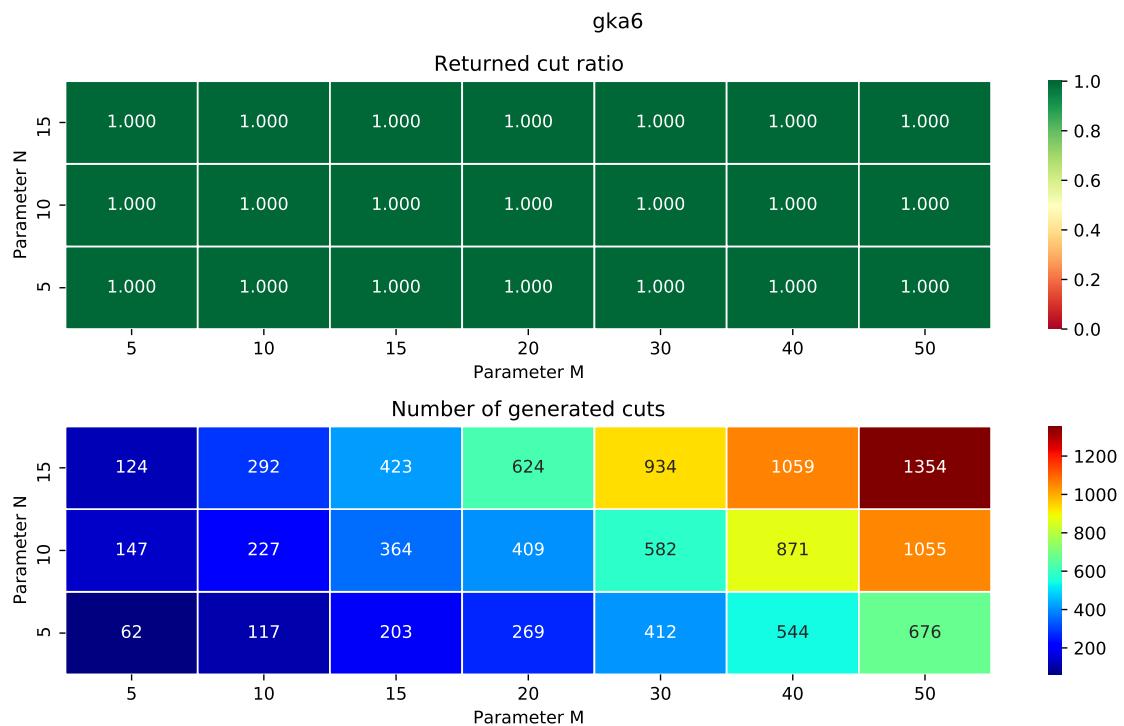


Figure 174: The top plot shows the ratio of returned value and optimal value and the bottom plot shows the number of generated cuts.

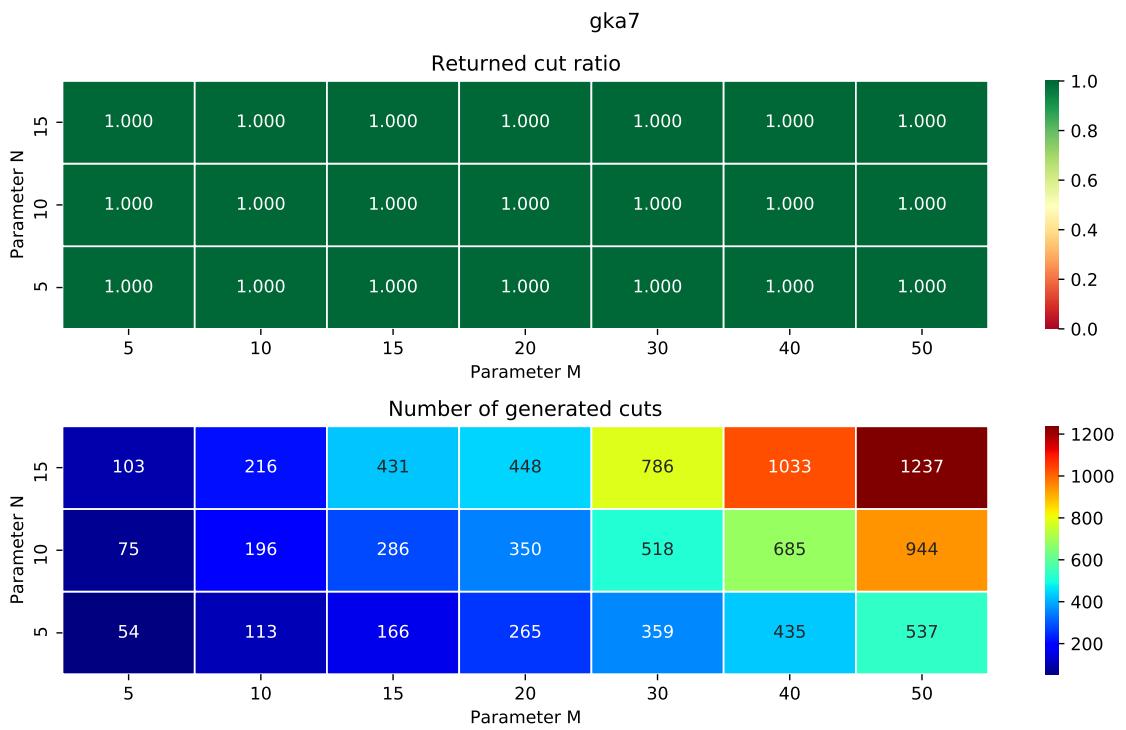


Figure 175: The top plot shows the ratio of returned value and optimal value and the bottom plot shows the number of generated cuts.

4.4 gkaid

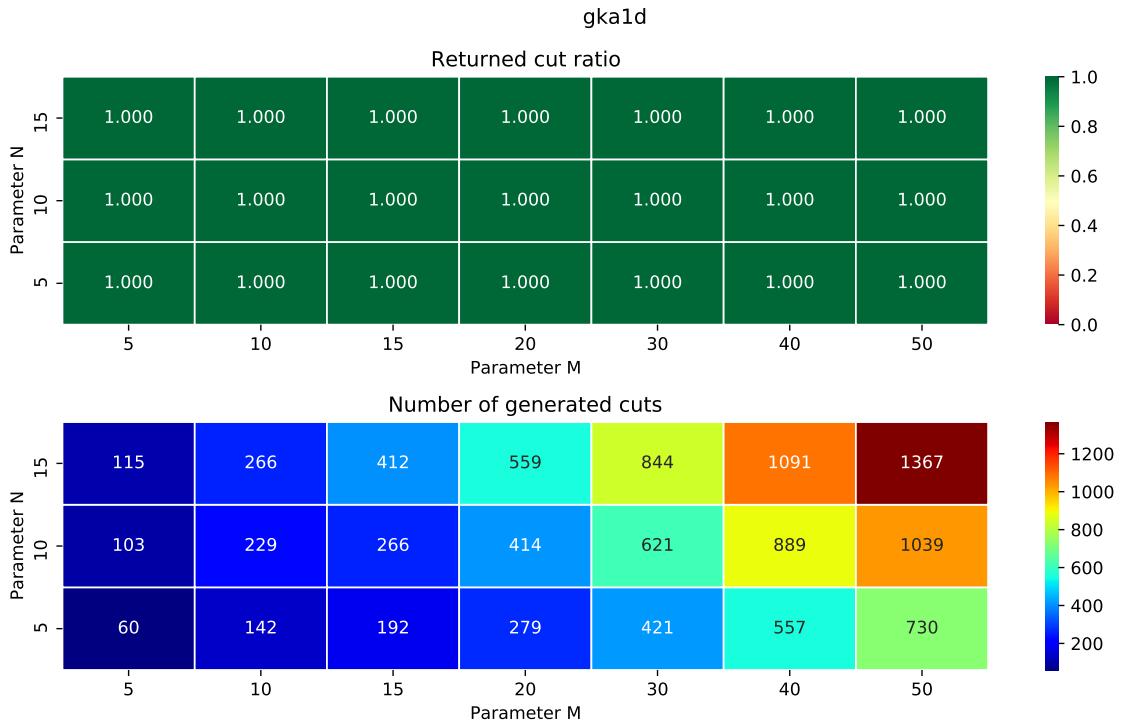


Figure 176: The top plot shows the ratio of returned value and optimal value and the bottom plot shows the number of generated cuts.

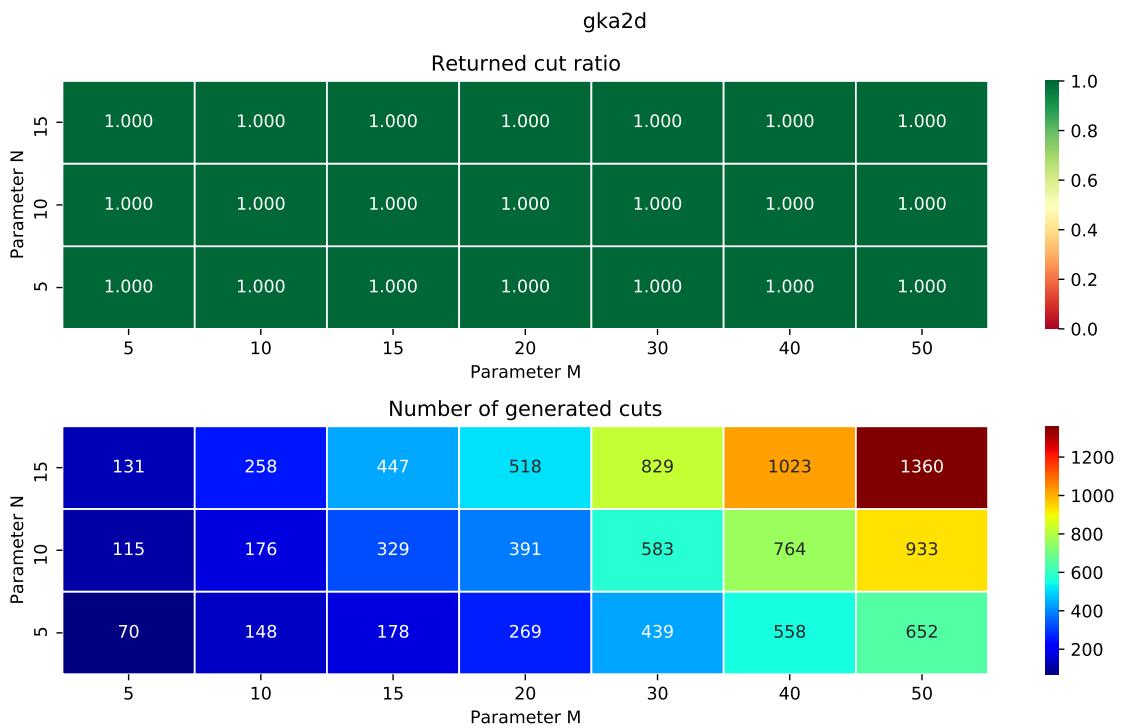


Figure 177: The top plot shows the ratio of returned value and optimal value and the bottom plot shows the number of generated cuts.

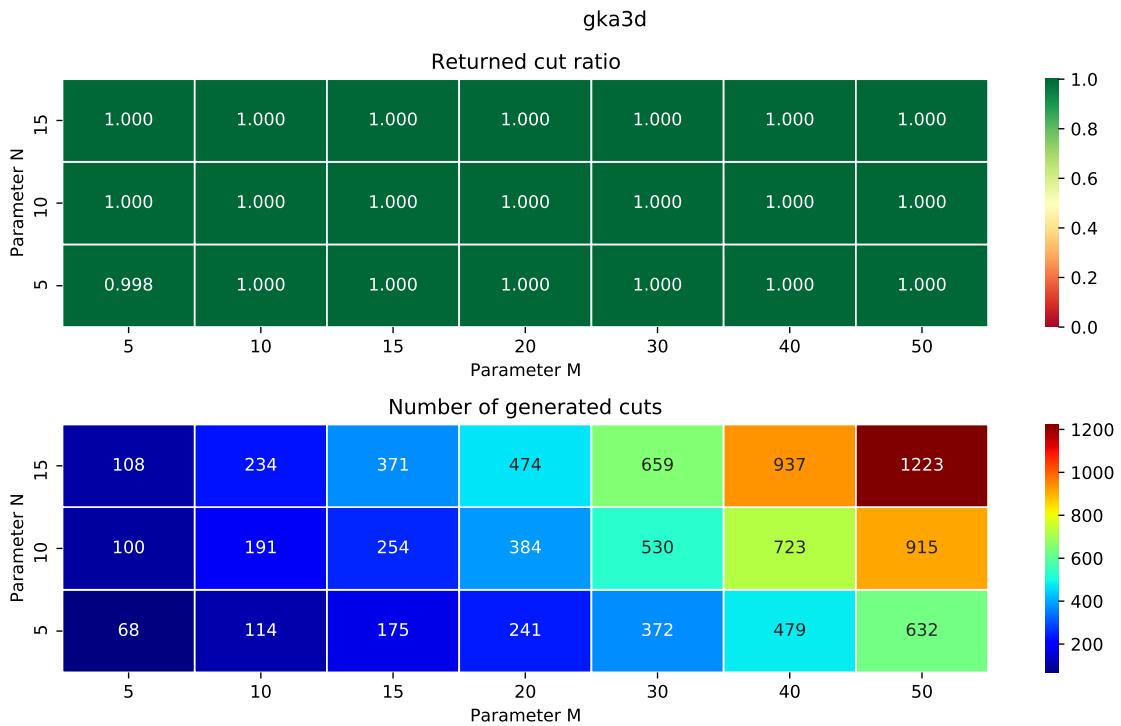


Figure 178: The top plot shows the ratio of returned value and optimal value and the bottom plot shows the number of generated cuts.

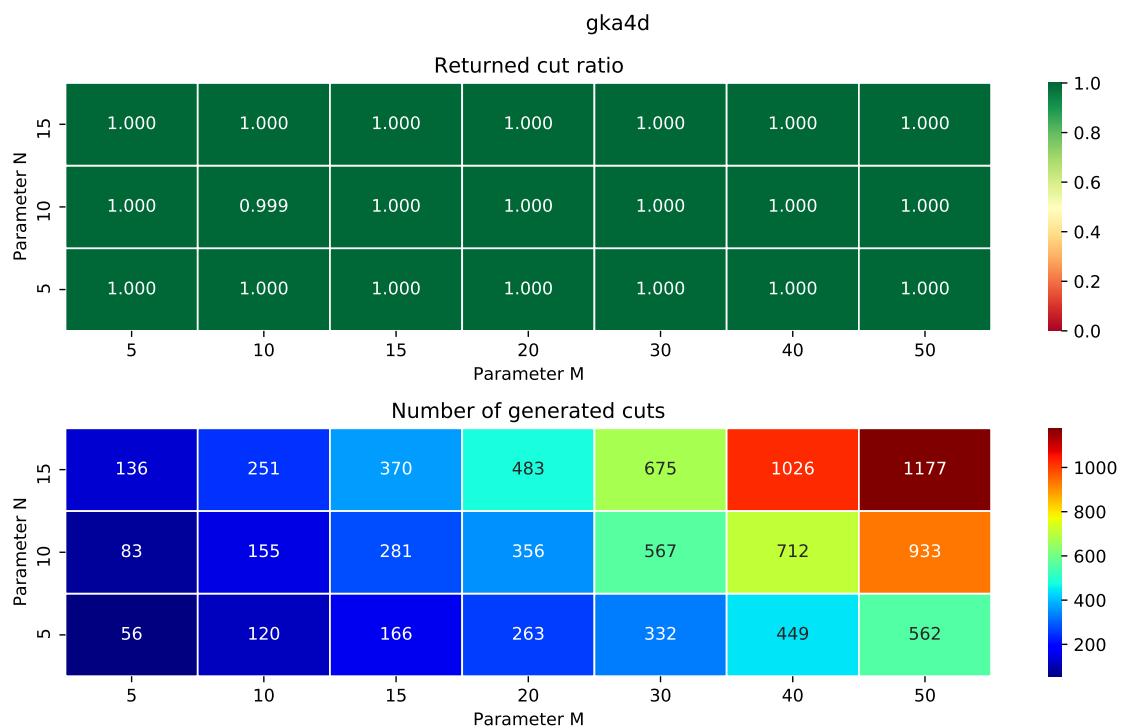


Figure 179: The top plot shows the ratio of returned value and optimal value and the bottom plot shows the number of generated cuts.

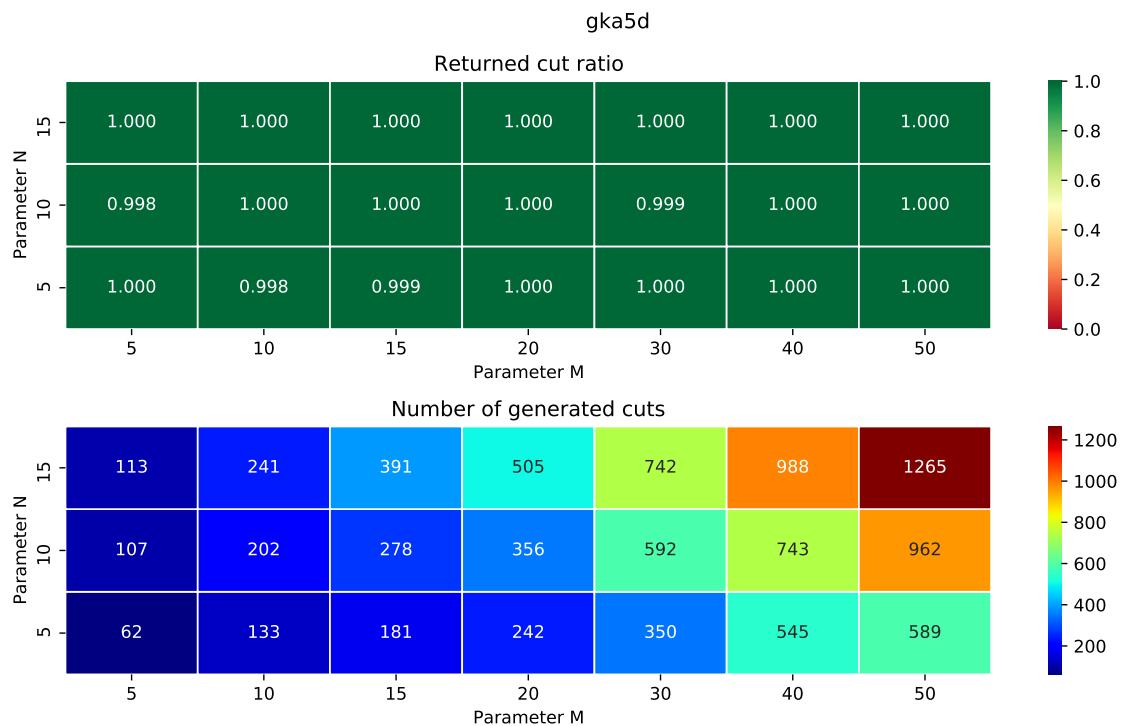


Figure 180: The top plot shows the ratio of returned value and optimal value and the bottom plot shows the number of generated cuts.

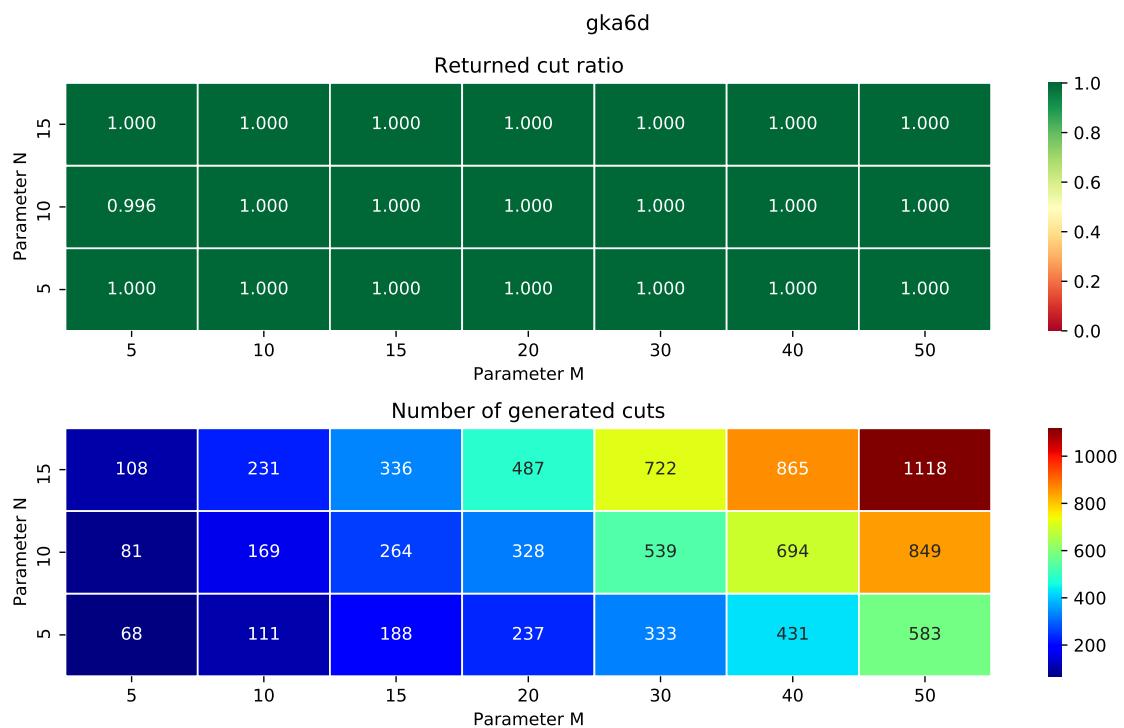


Figure 181: The top plot shows the ratio of returned value and optimal value and the bottom plot shows the number of generated cuts.

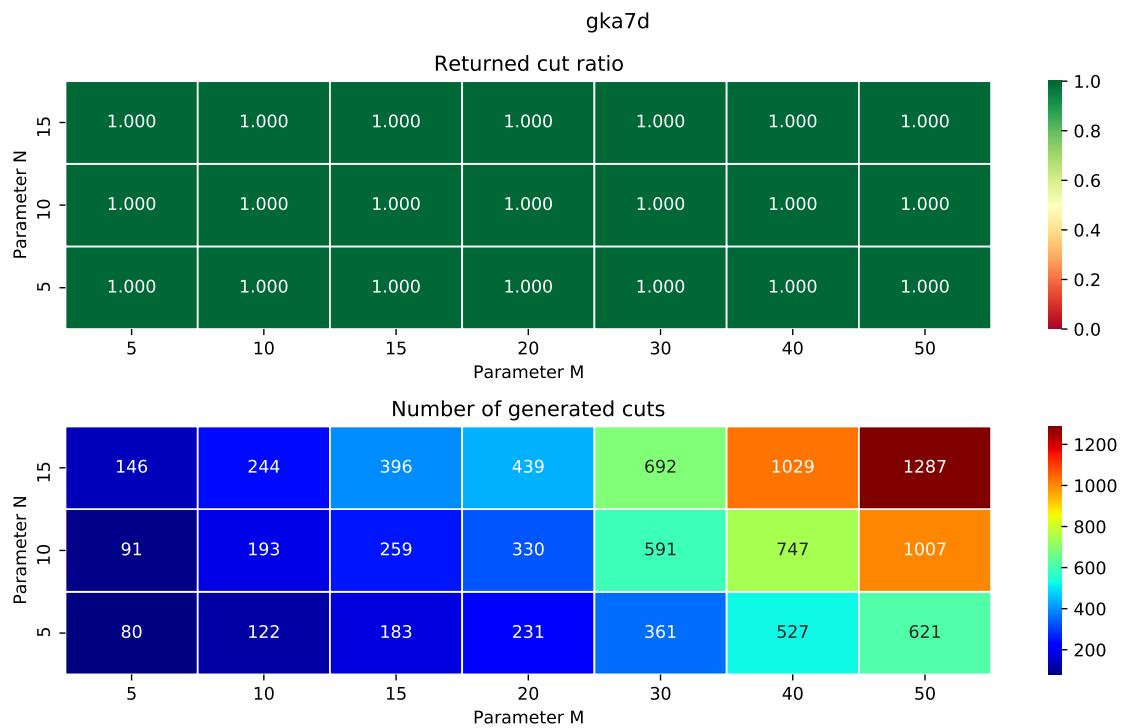


Figure 182: The top plot shows the ratio of returned value and optimal value and the bottom plot shows the number of generated cuts.

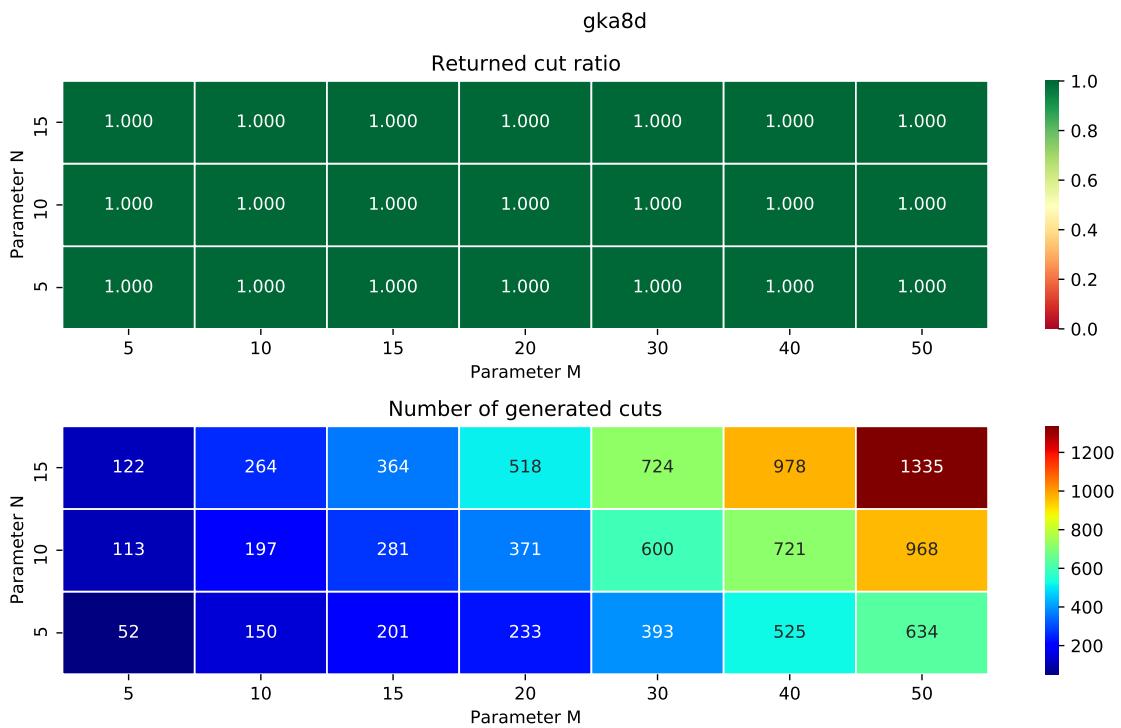


Figure 183: The top plot shows the ratio of the returned value and the highest reached value and the bottom plot shows the number of generated cuts. The optimal value is not known.

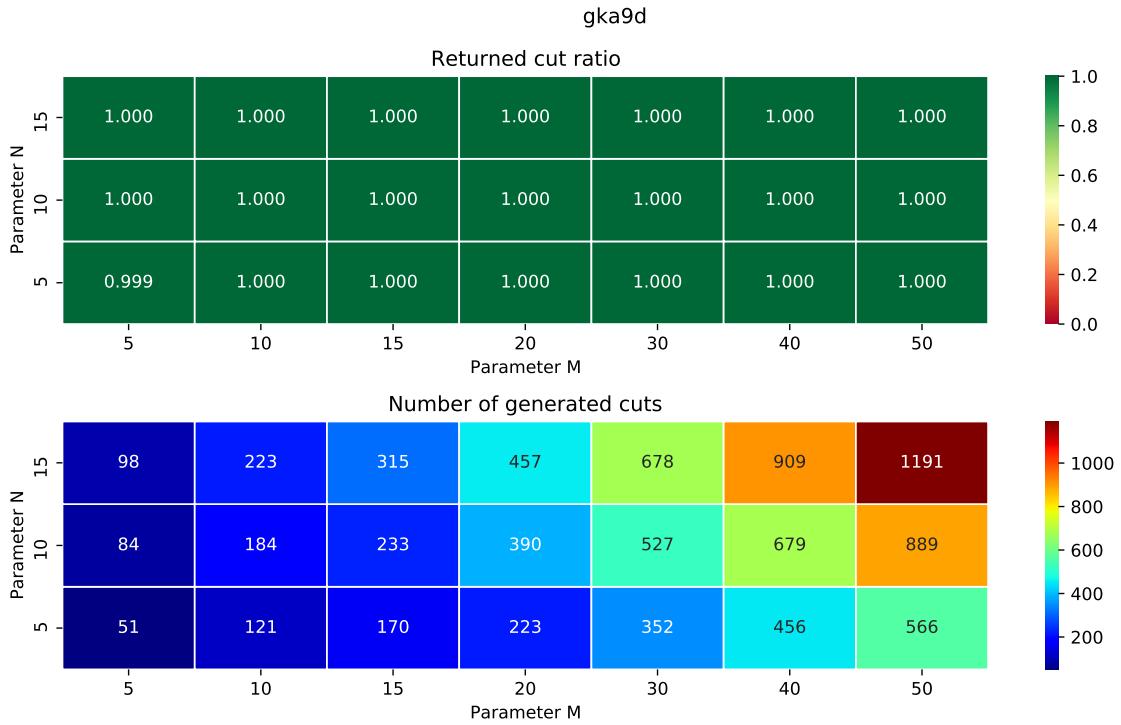


Figure 184: The top plot shows the ratio of the returned value and the highest reached value and the bottom plot shows the number of generated cuts. The optimal value is not known.

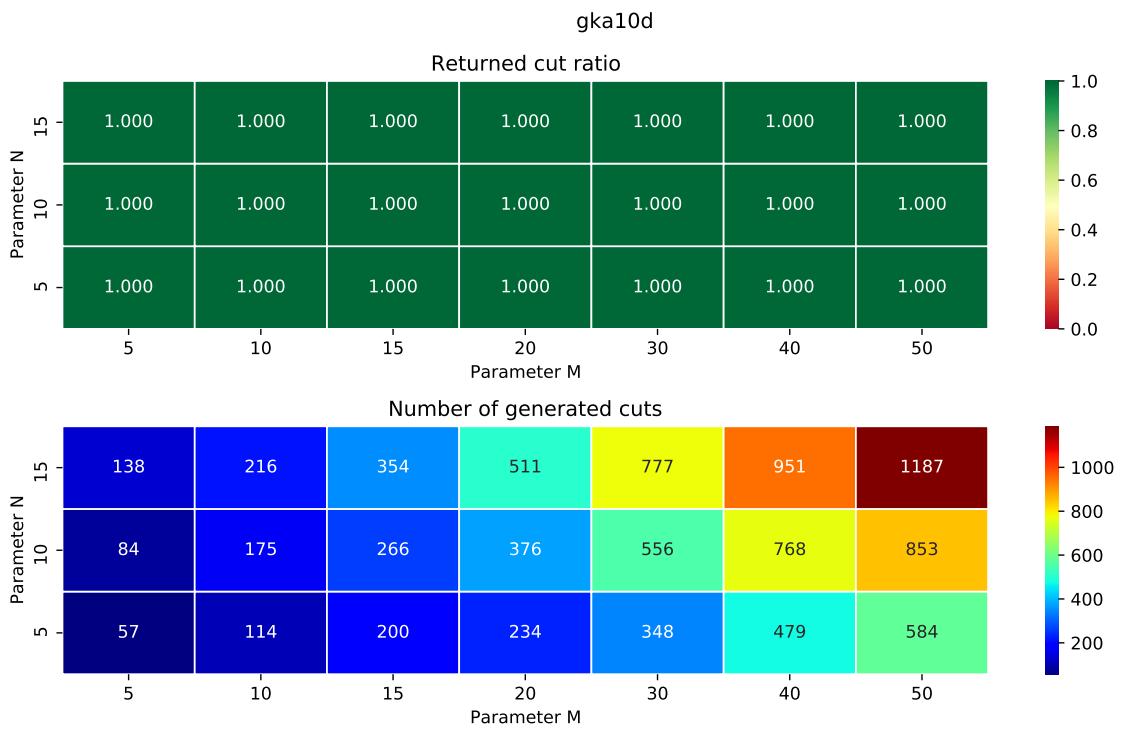


Figure 185: The top plot shows the ratio of the returned value and the highest reached value and the bottom plot shows the number of generated cuts. The optimal value is not known.

4.5 gkiae

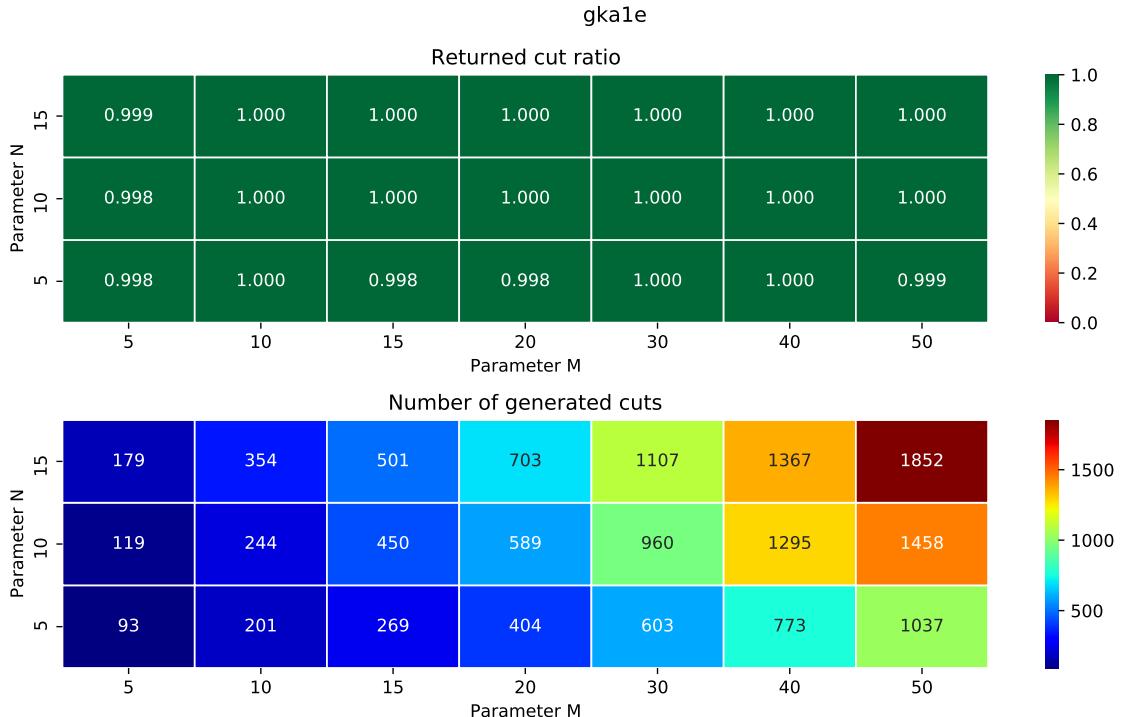


Figure 186: The top plot shows the ratio of returned value and optimal value and the bottom plot shows the number of generated cuts.

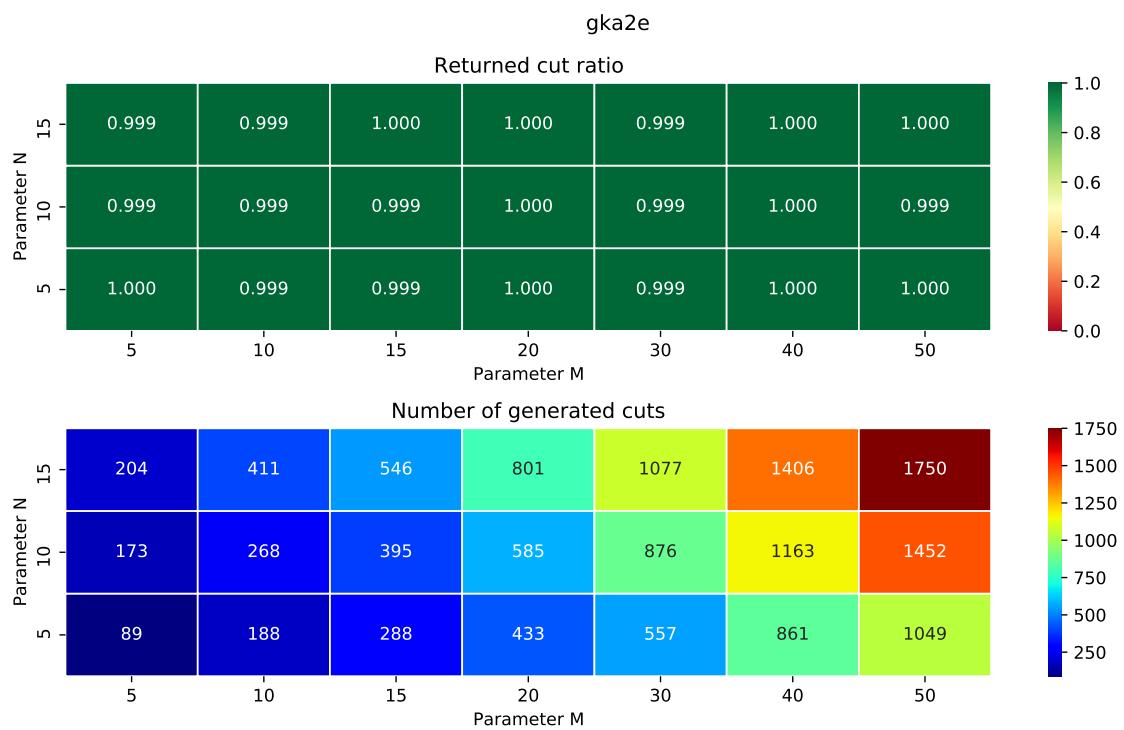


Figure 187: The top plot shows the ratio of returned value and optimal value and the bottom plot shows the number of generated cuts.

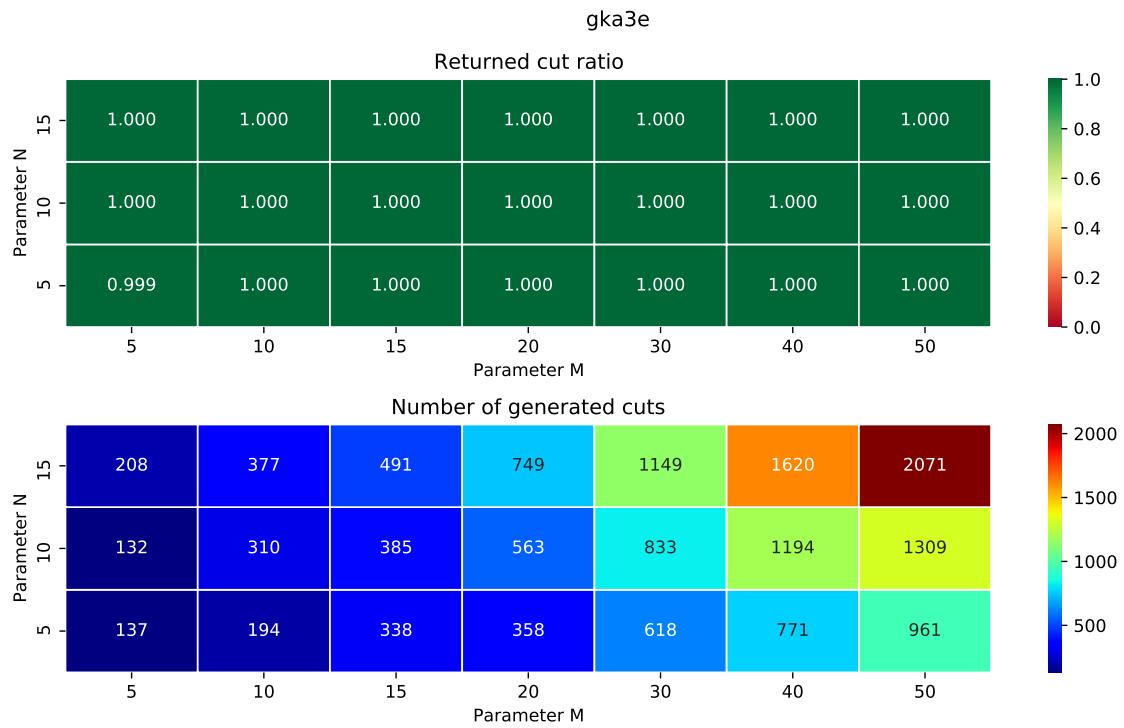


Figure 188: The top plot shows the ratio of returned value and optimal value and the bottom plot shows the number of generated cuts.

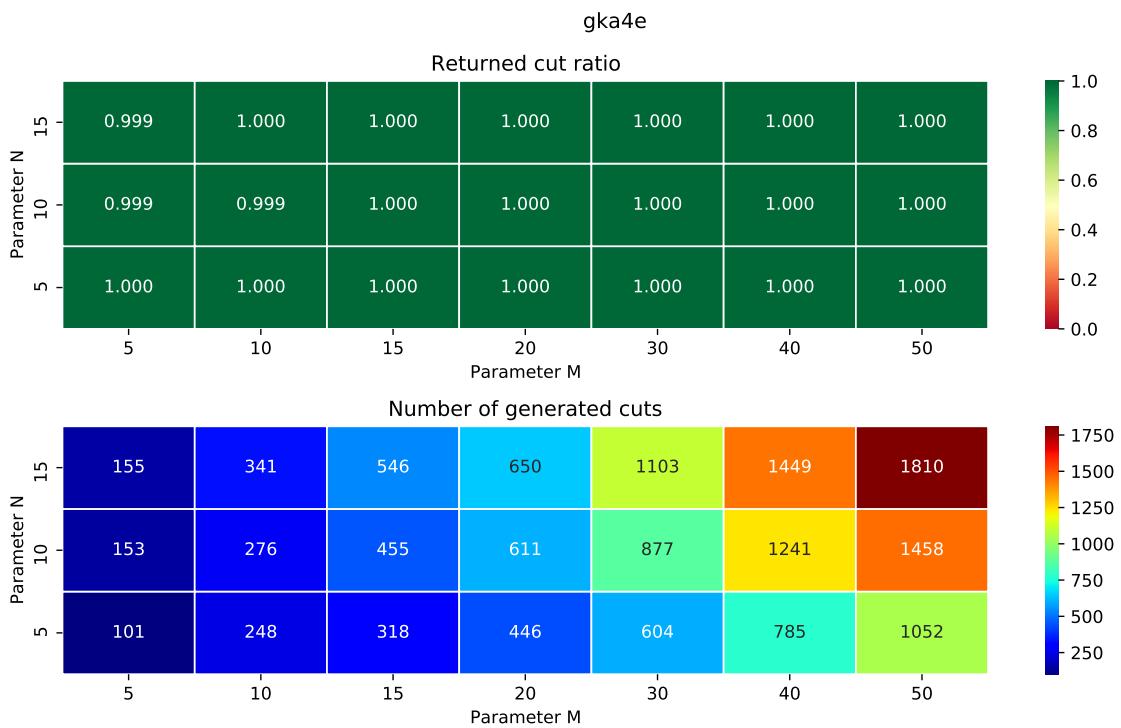


Figure 189: The top plot shows the ratio of returned value and optimal value and the bottom plot shows the number of generated cuts.

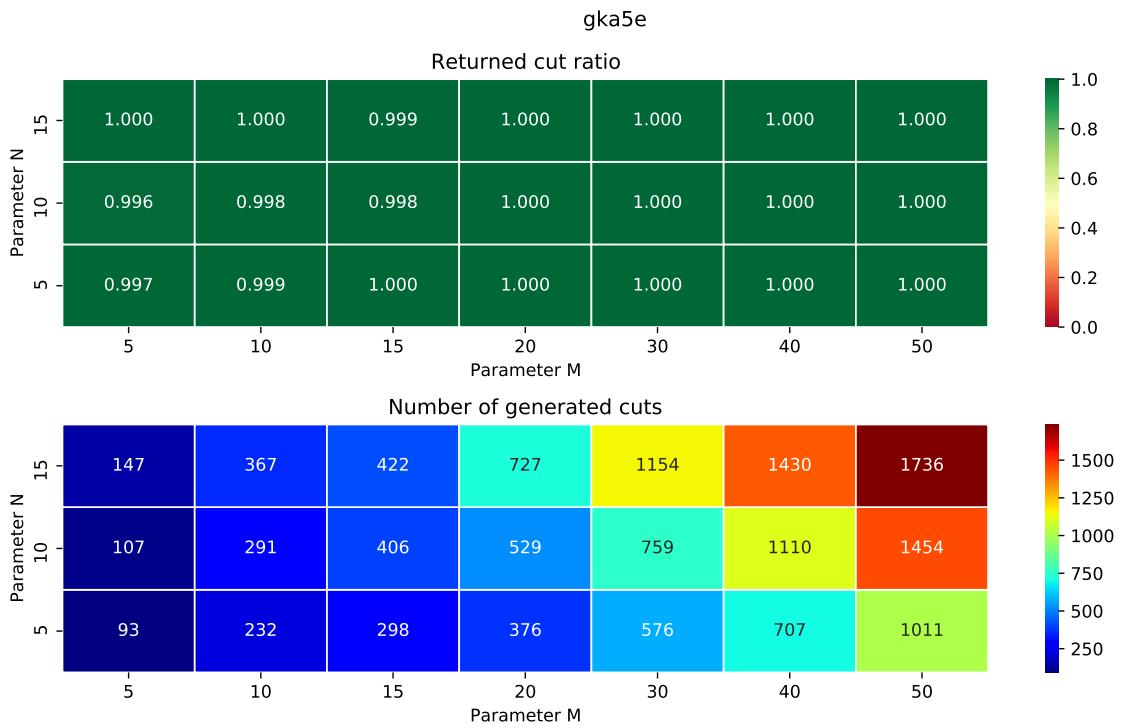


Figure 190: The top plot shows the ratio of returned value and optimal value and the bottom plot shows the number of generated cuts.

4.6 gkaif

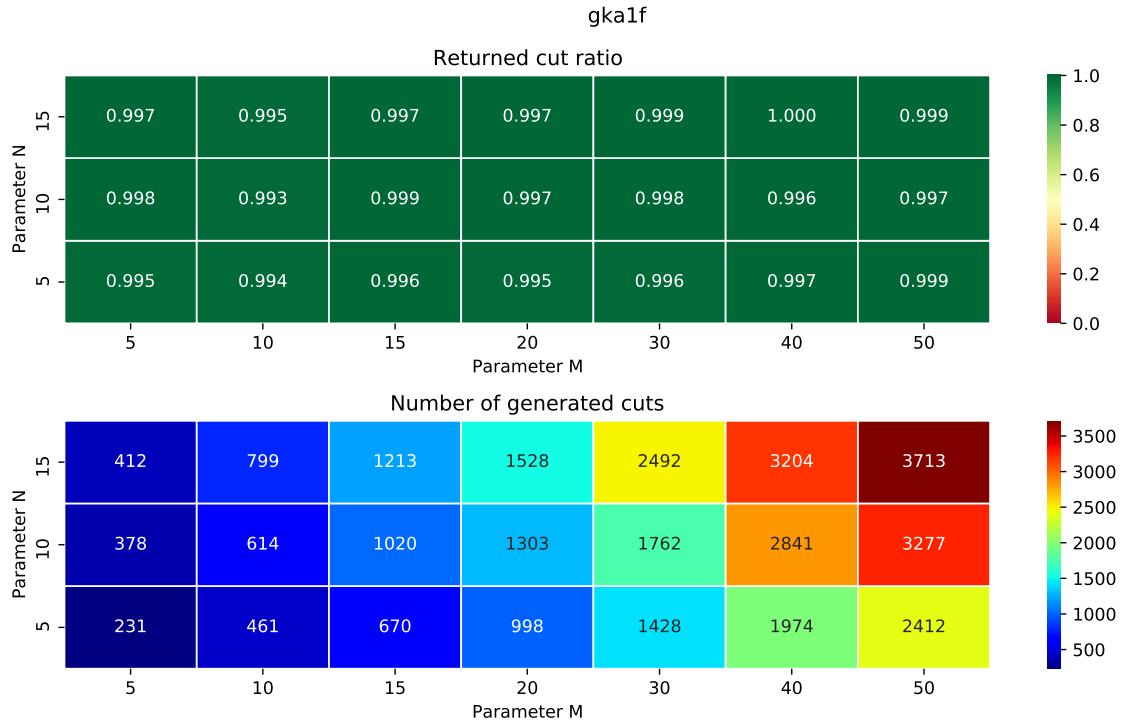


Figure 191: The top plot shows the ratio of returned value and optimal value and the bottom plot shows the number of generated cuts.

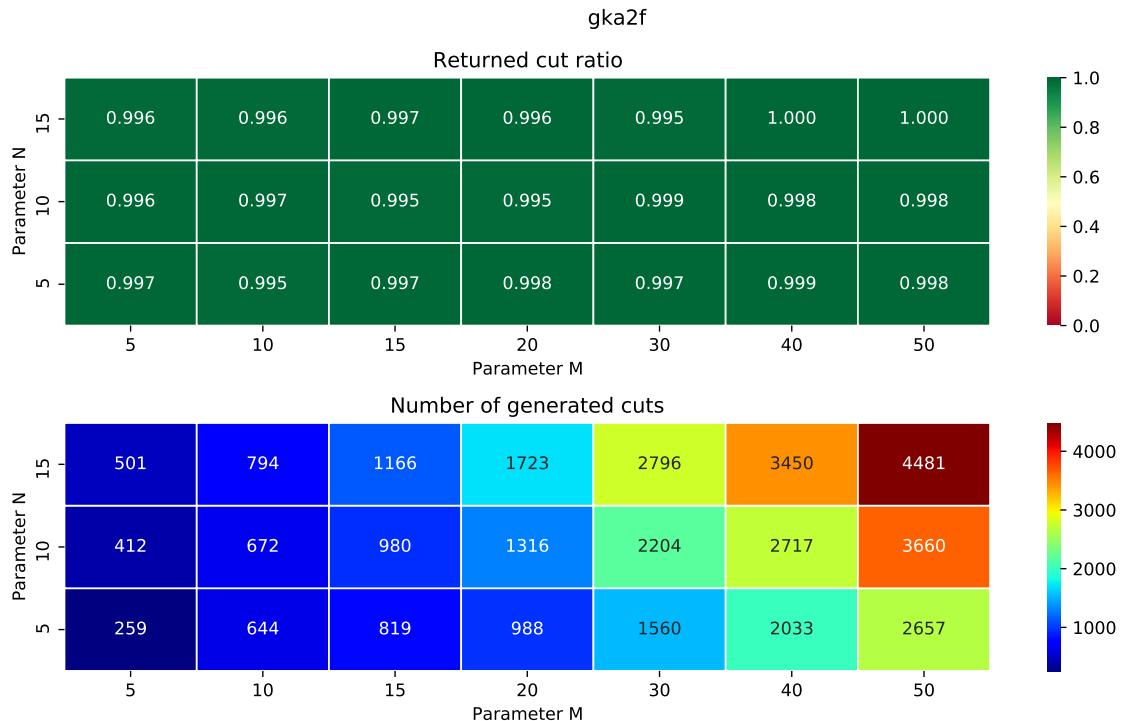


Figure 192: The top plot shows the ratio of returned value and optimal value and the bottom plot shows the number of generated cuts.

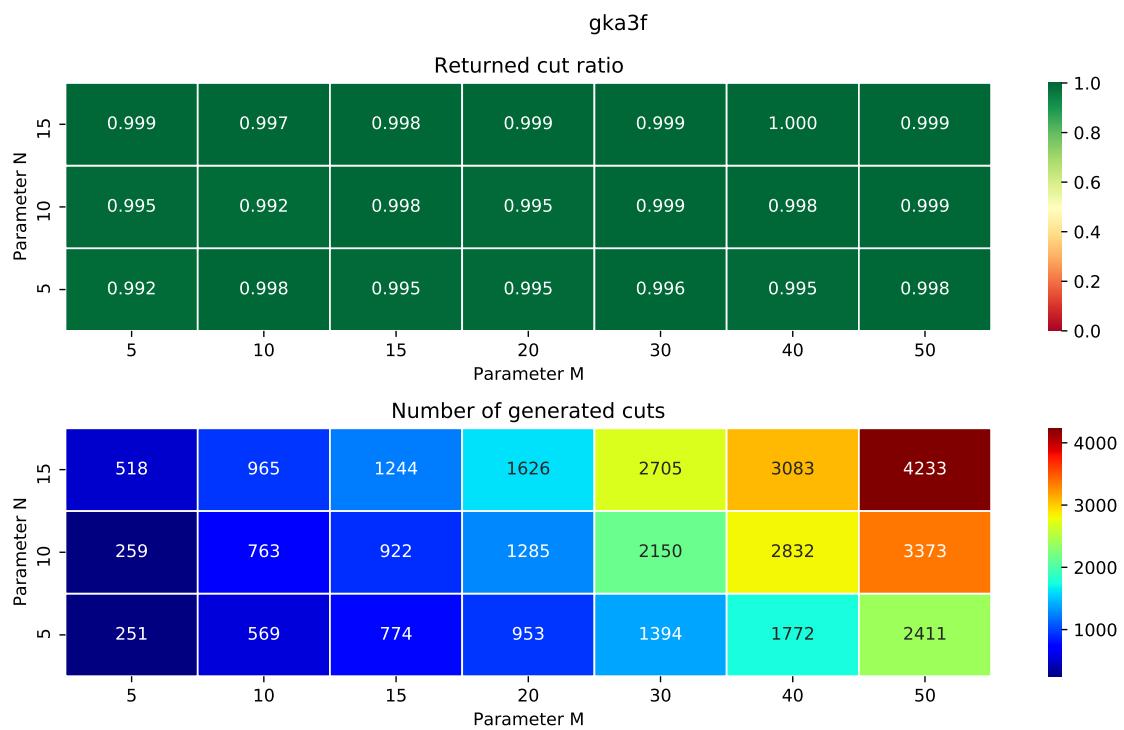


Figure 193: The top plot shows the ratio of returned value and optimal value and the bottom plot shows the number of generated cuts.

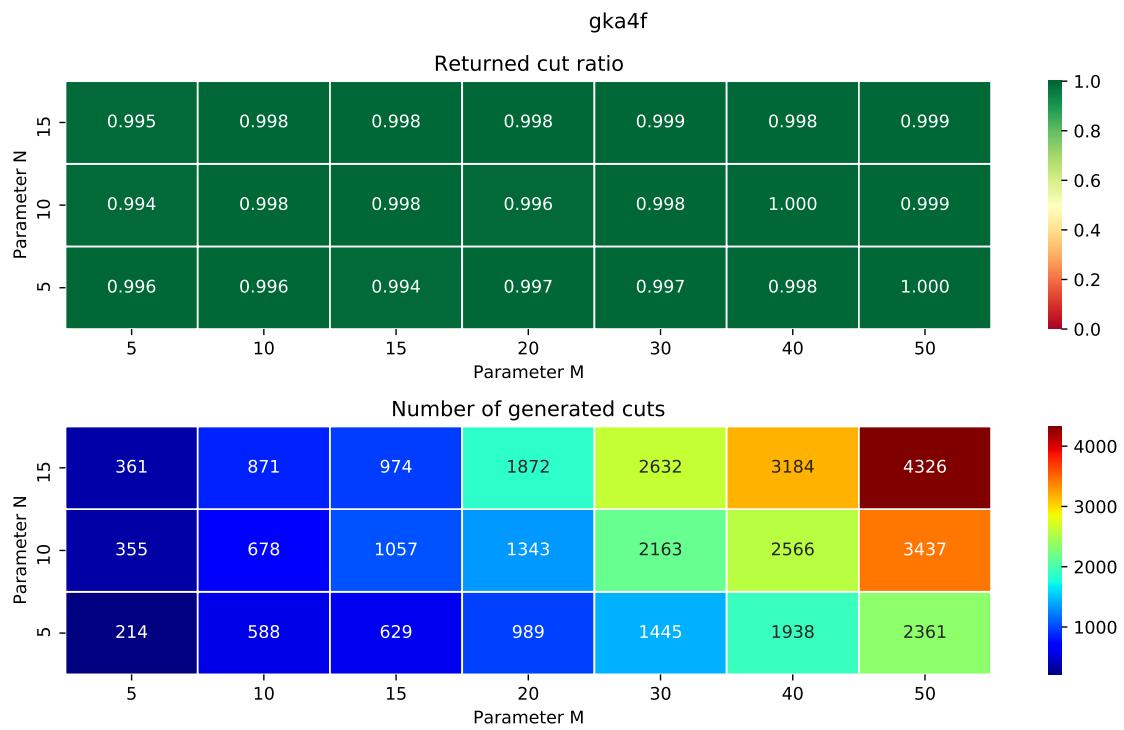


Figure 194: The top plot shows the ratio of returned value and optimal value and the bottom plot shows the number of generated cuts.

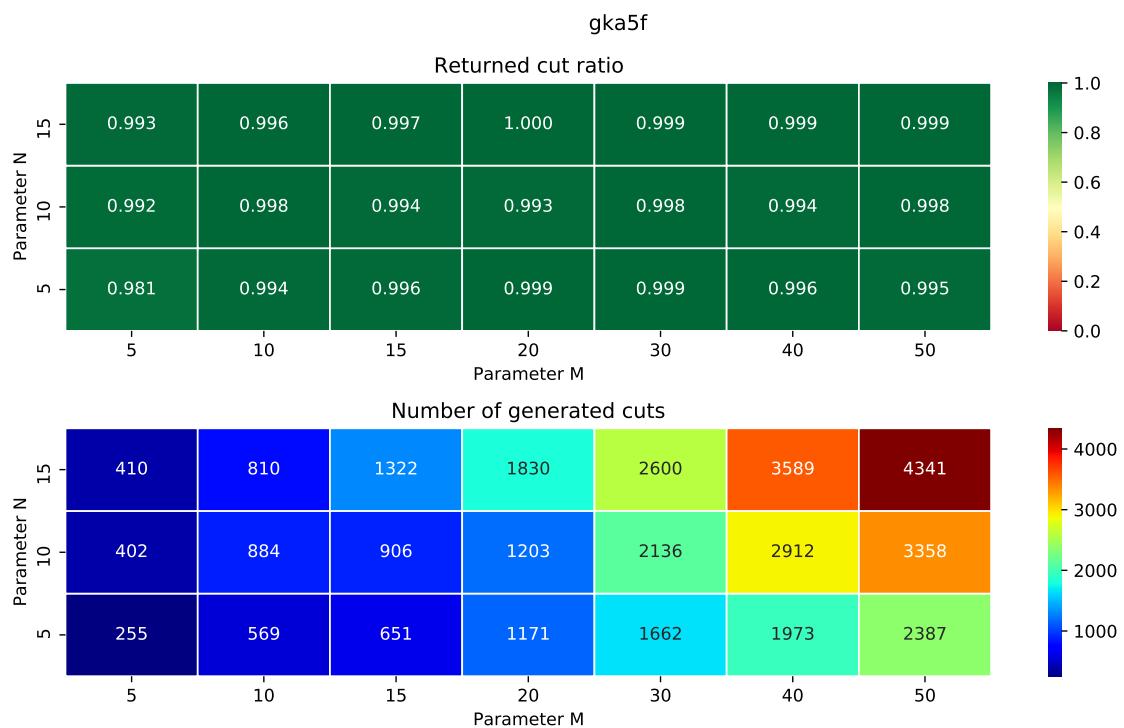


Figure 195: The top plot shows the ratio of returned value and optimal value and the bottom plot shows the number of generated cuts.

5 HR

5.1 G_i

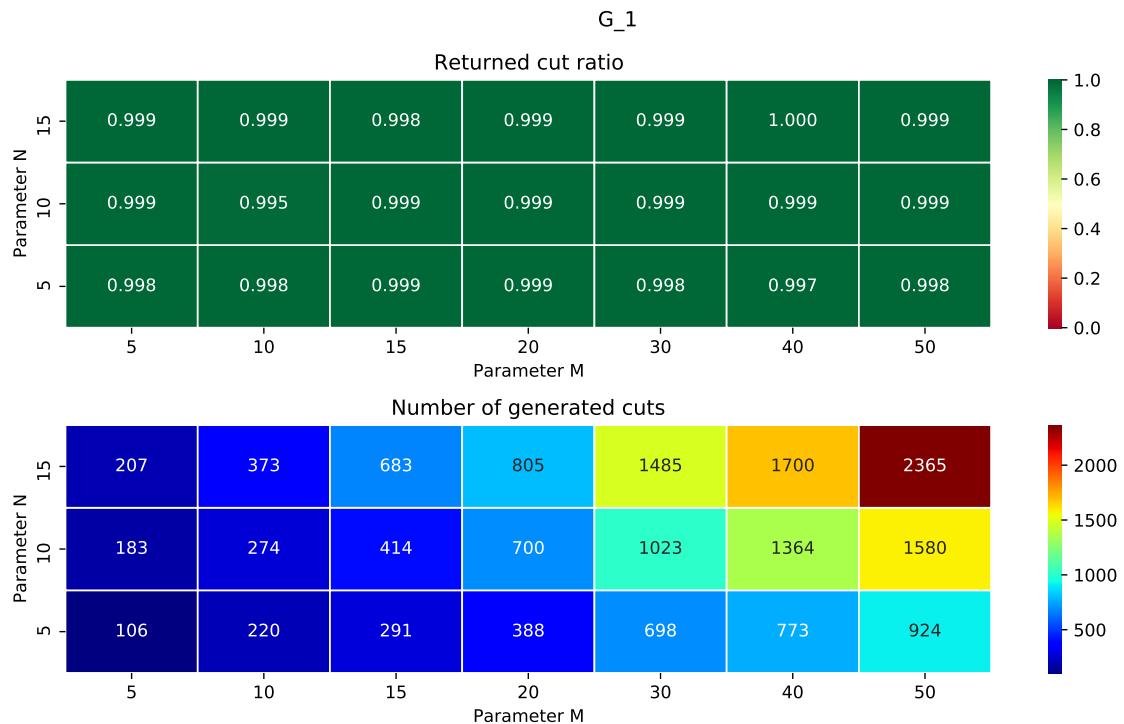


Figure 196: The top plot shows the ratio of the returned value and the highest reached value and the bottom plot shows the number of generated cuts. The optimal value is not known.

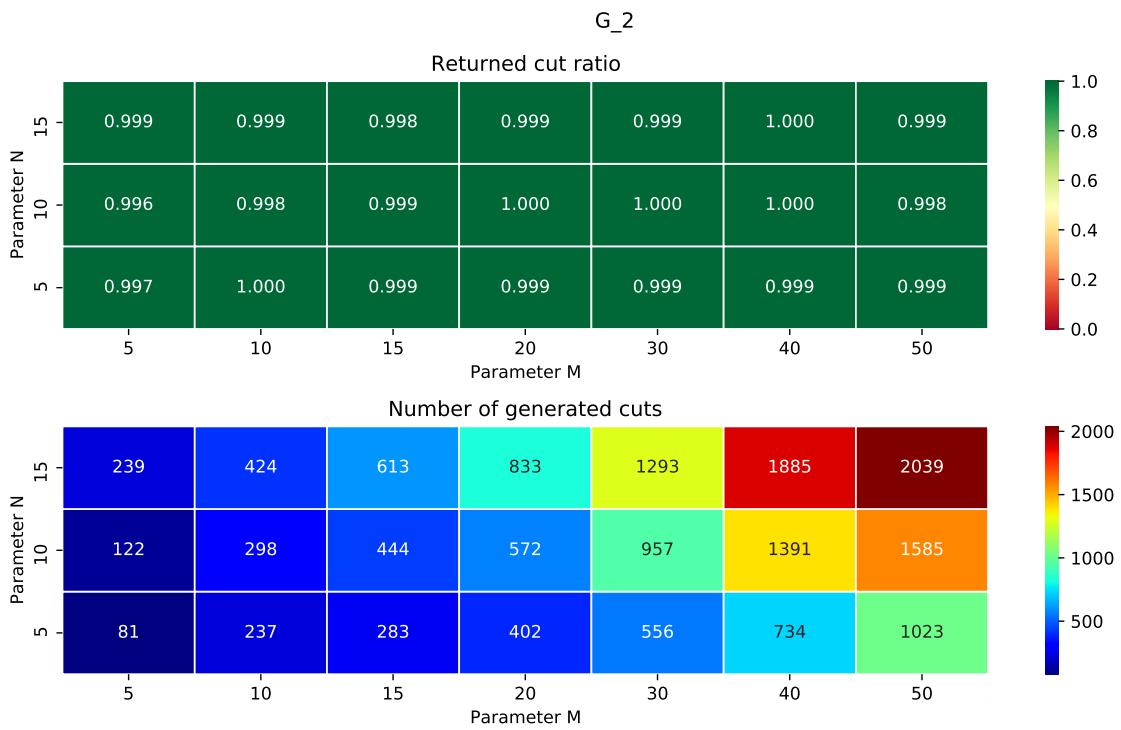


Figure 197: The top plot shows the ratio of the returned value and the highest reached value and the bottom plot shows the number of generated cuts. The optimal value is not known.

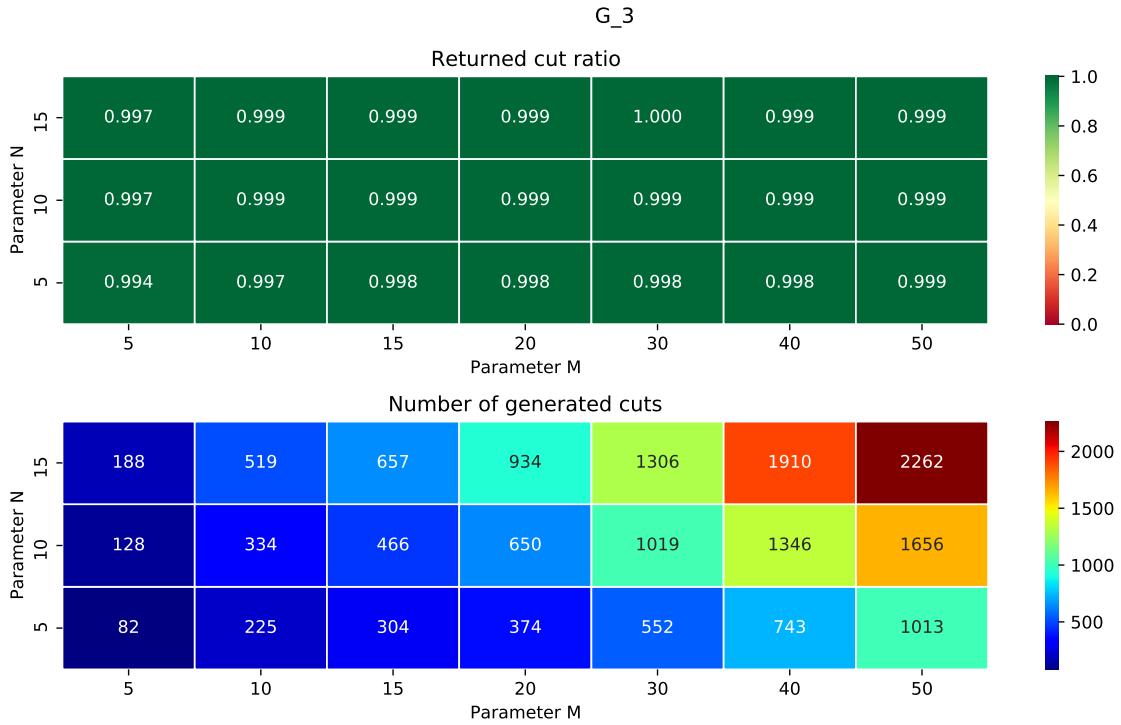


Figure 198: The top plot shows the ratio of the returned value and the highest reached value and the bottom plot shows the number of generated cuts. The optimal value is not known.

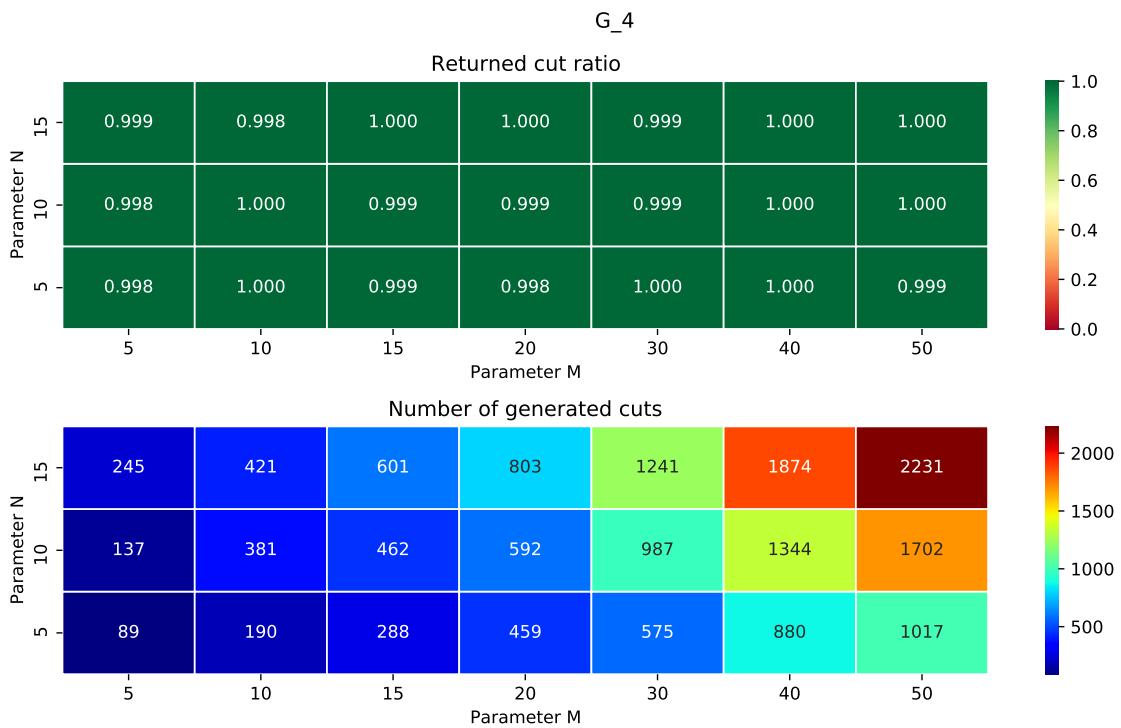


Figure 199: The top plot shows the ratio of the returned value and the highest reached value and the bottom plot shows the number of generated cuts. The optimal value is not known.

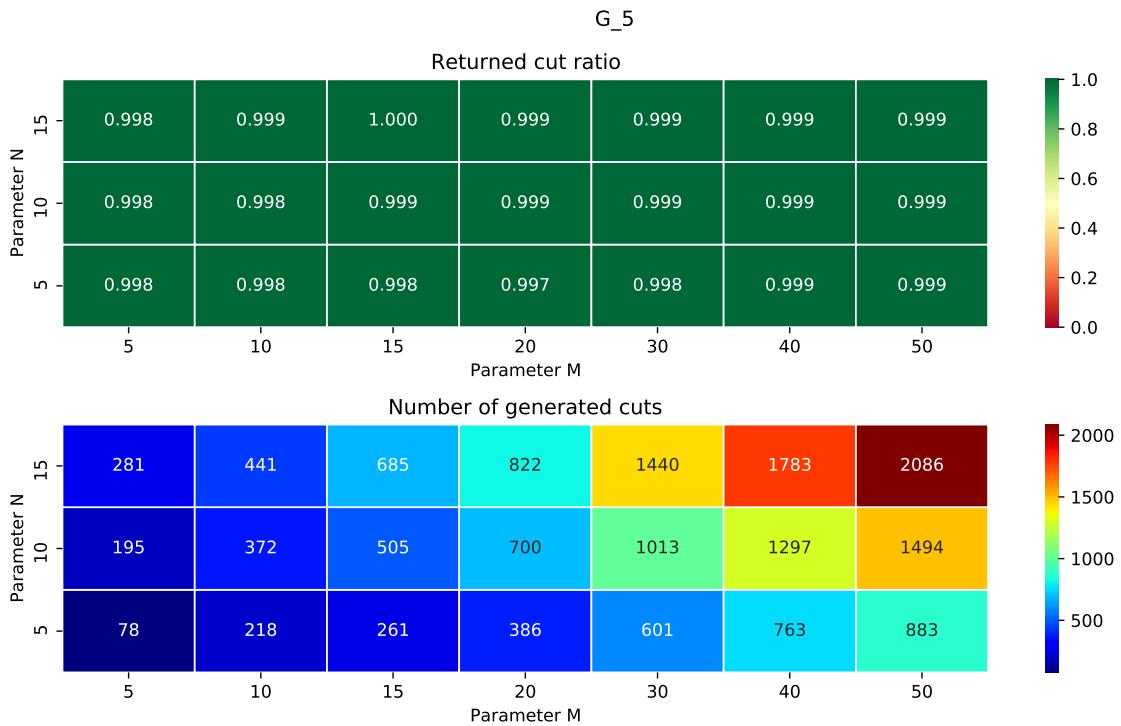


Figure 200: The top plot shows the ratio of the returned value and the highest reached value and the bottom plot shows the number of generated cuts. The optimal value is not known.

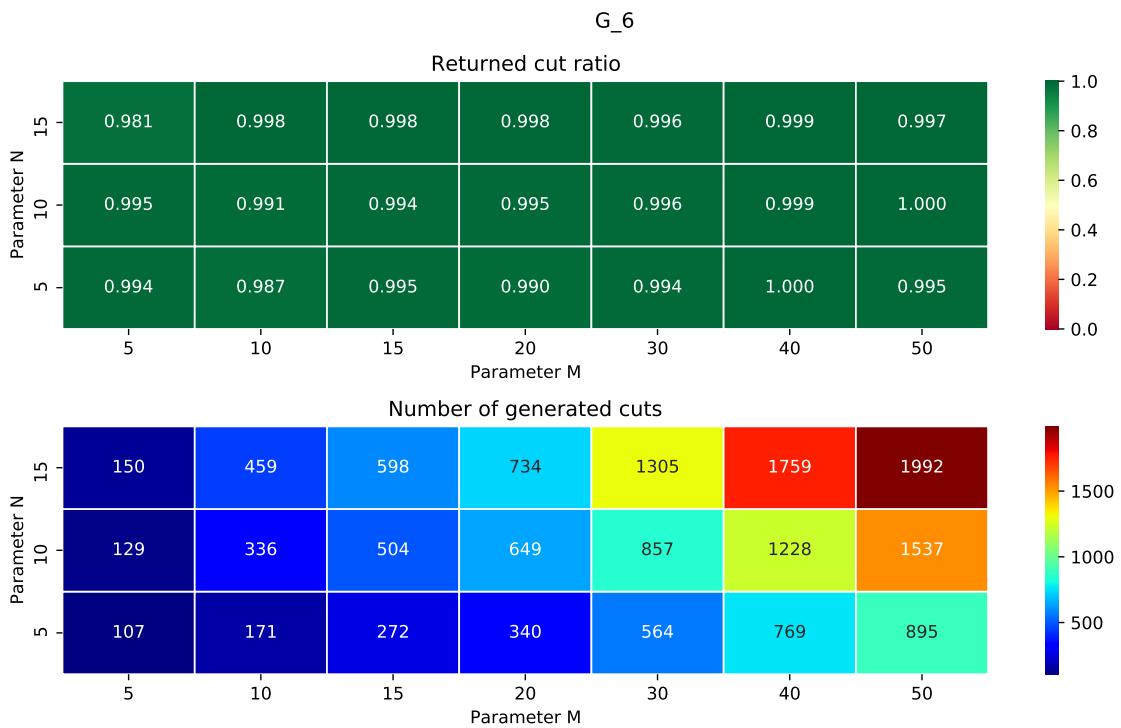


Figure 201: The top plot shows the ratio of the returned value and the highest reached value and the bottom plot shows the number of generated cuts. The optimal value is not known.

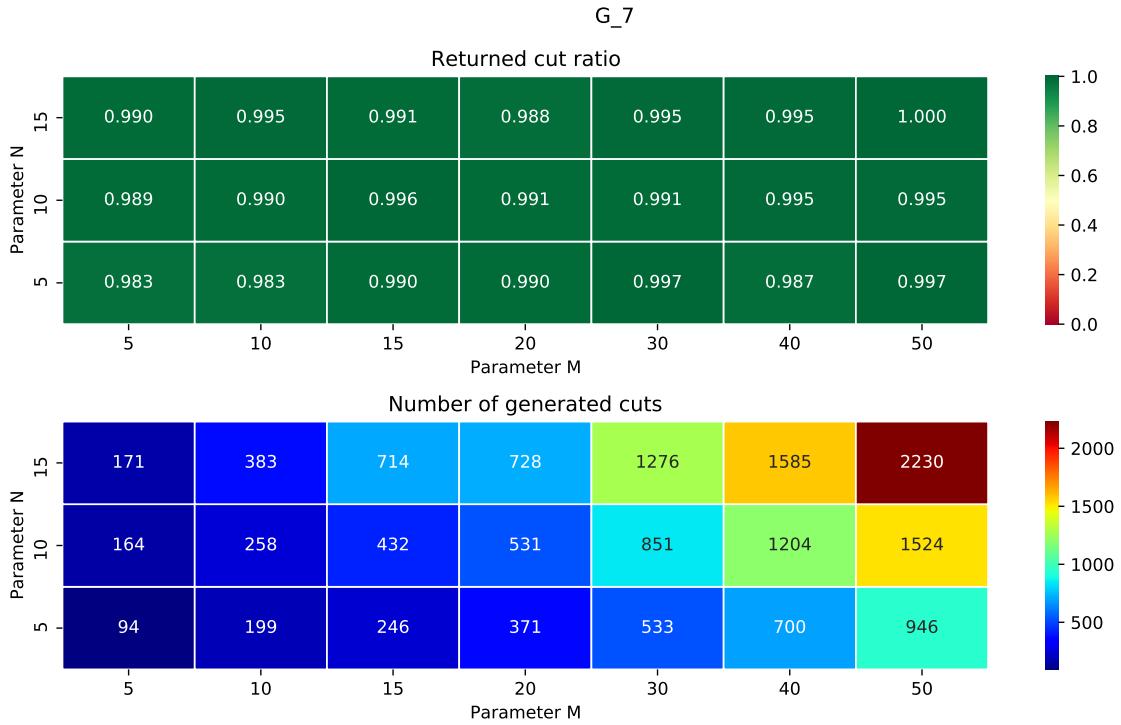


Figure 202: The top plot shows the ratio of the returned value and the highest reached value and the bottom plot shows the number of generated cuts. The optimal value is not known.

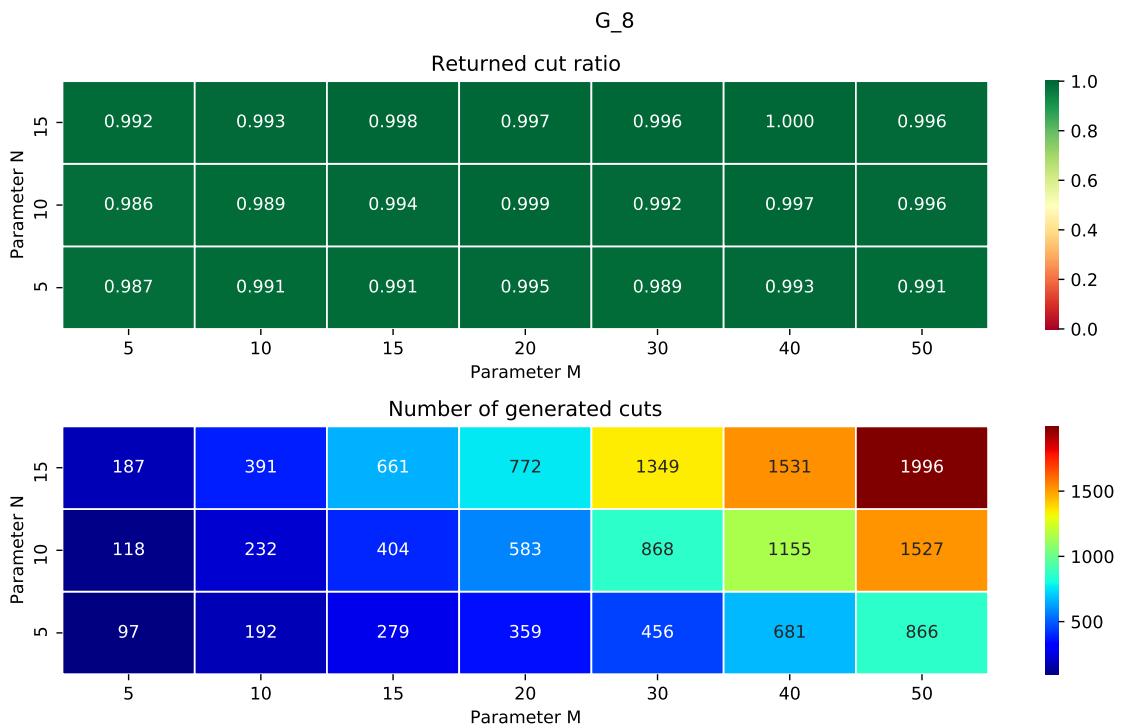


Figure 203: The top plot shows the ratio of the returned value and the highest reached value and the bottom plot shows the number of generated cuts. The optimal value is not known.

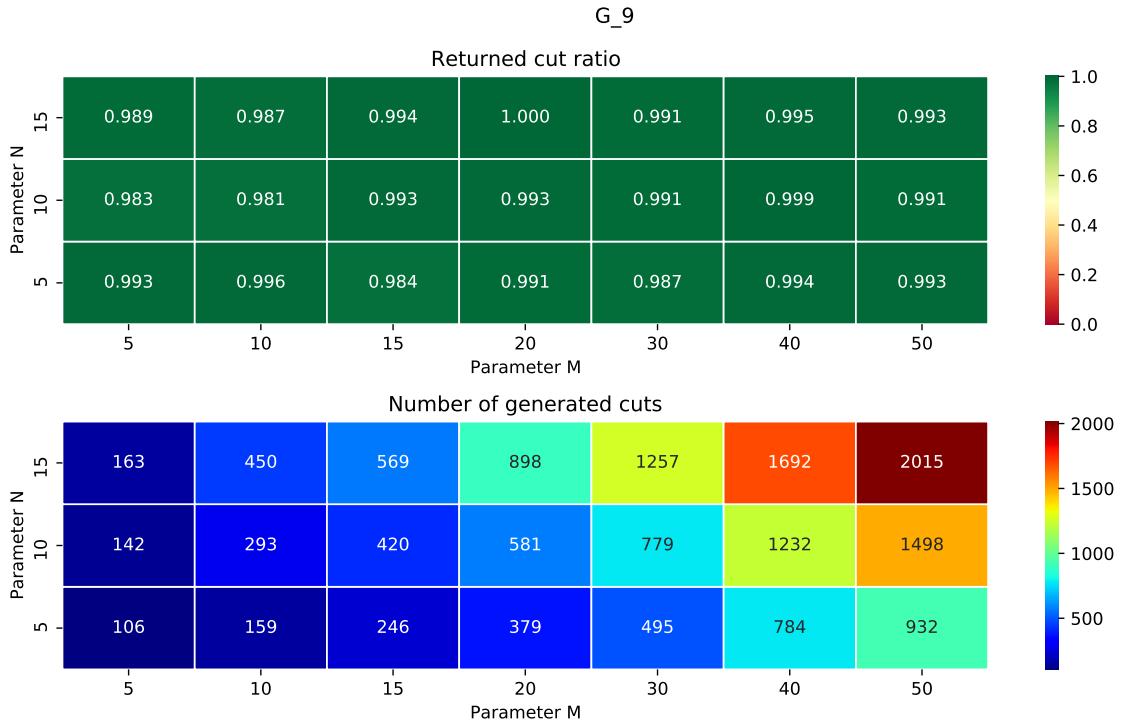


Figure 204: The top plot shows the ratio of the returned value and the highest reached value and the bottom plot shows the number of generated cuts. The optimal value is not known.

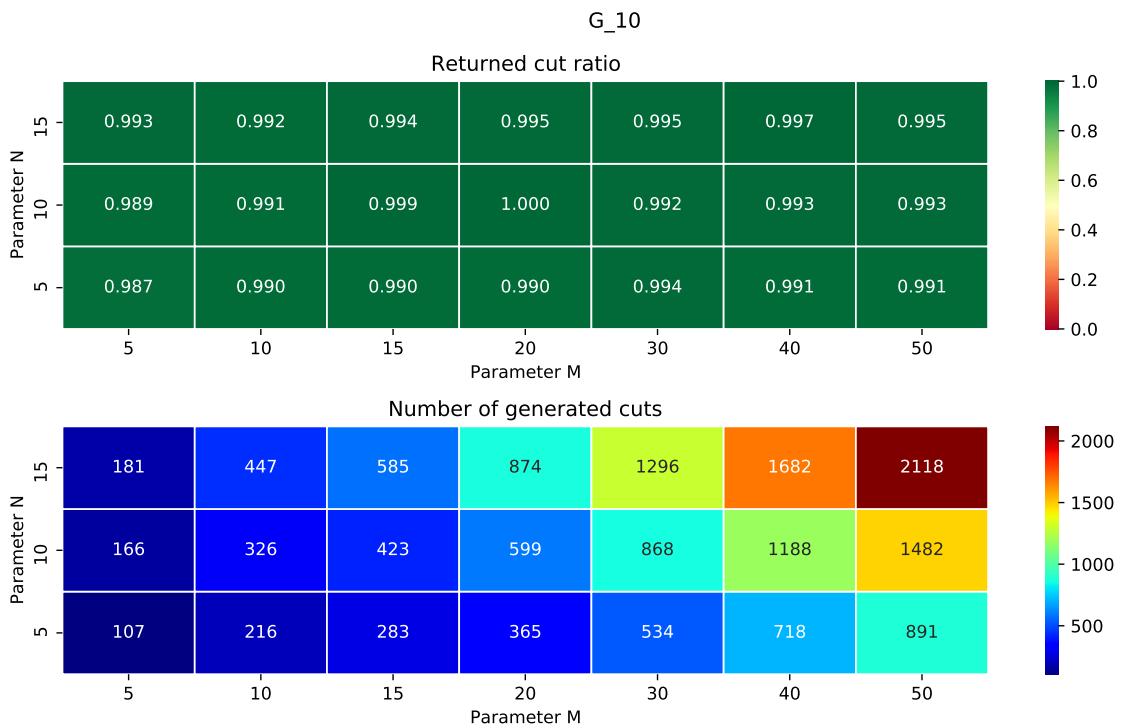


Figure 205: The top plot shows the ratio of the returned value and the highest reached value and the bottom plot shows the number of generated cuts. The optimal value is not known.

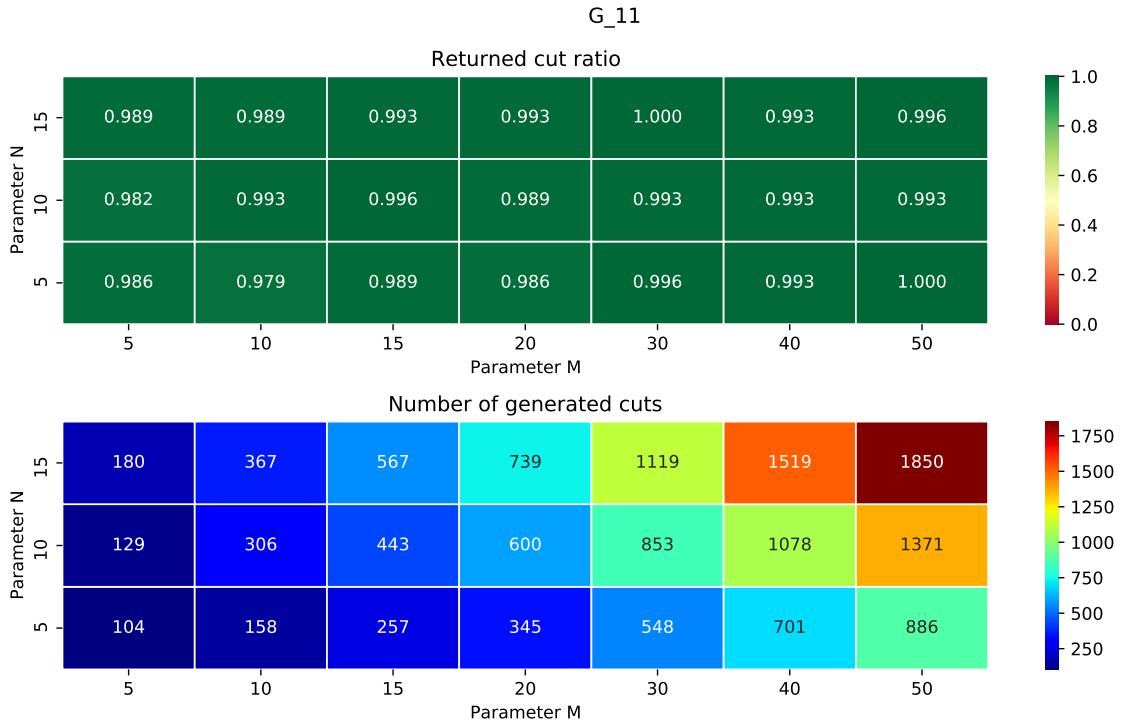


Figure 206: The top plot shows the ratio of the returned value and the highest reached value and the bottom plot shows the number of generated cuts. The optimal value is not known.

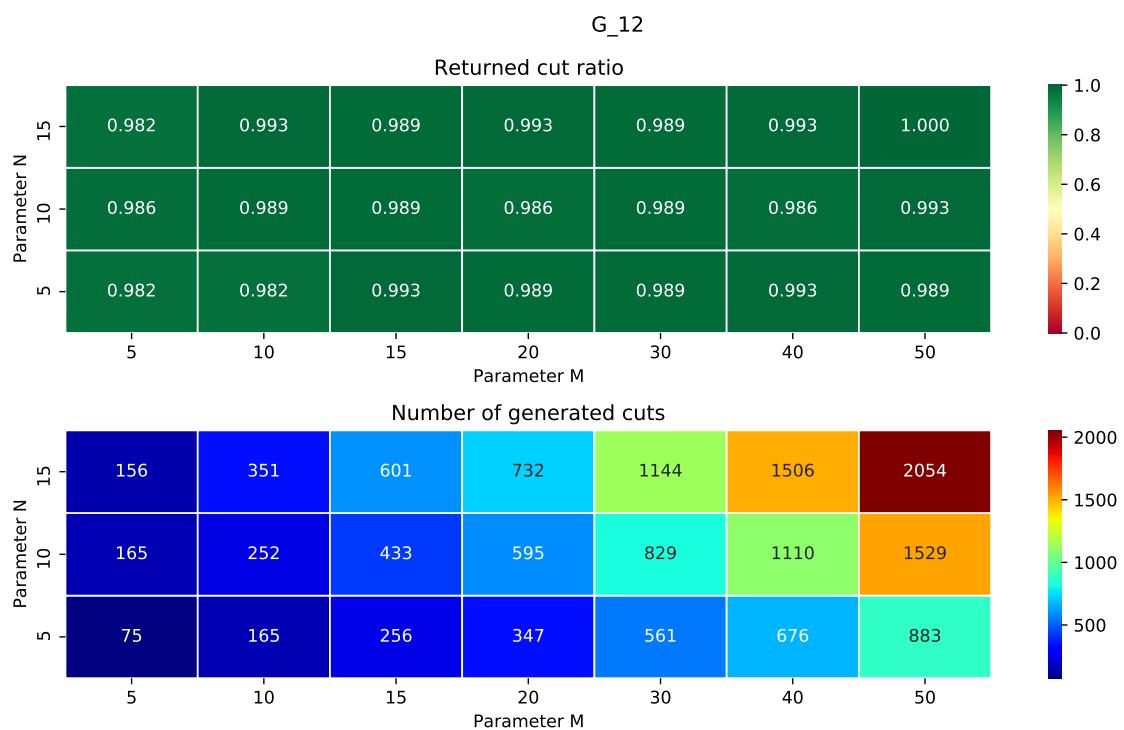


Figure 207: The top plot shows the ratio of the returned value and the highest reached value and the bottom plot shows the number of generated cuts. The optimal value is not known.

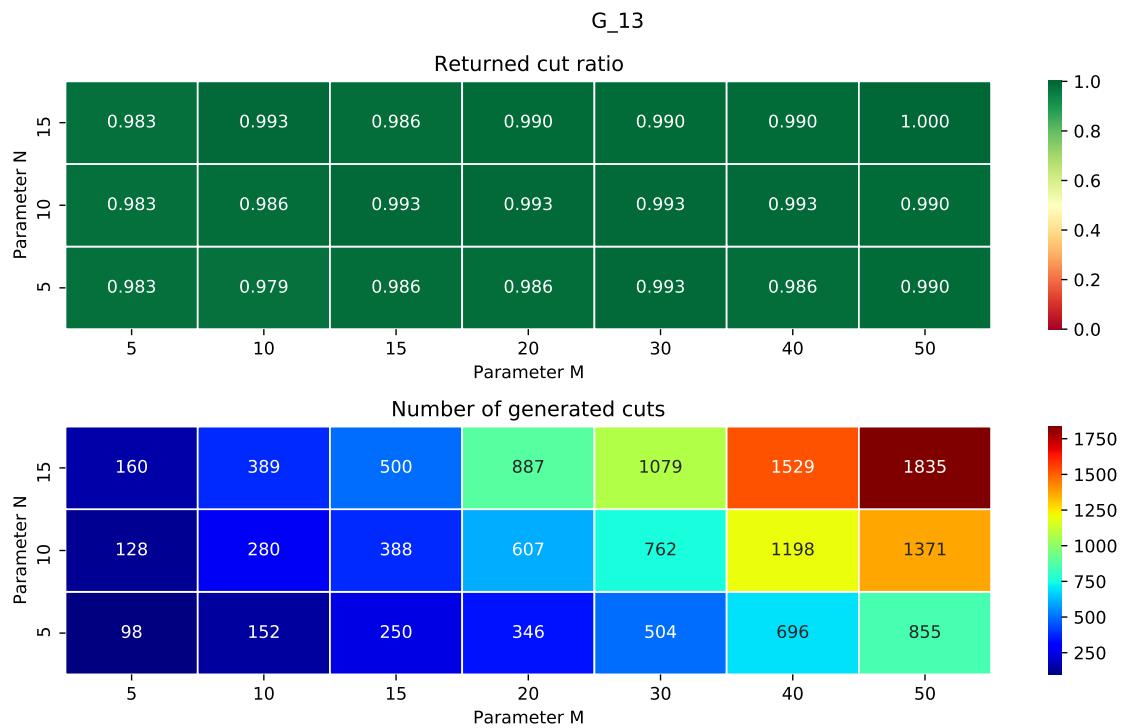


Figure 208: The top plot shows the ratio of the returned value and the highest reached value and the bottom plot shows the number of generated cuts. The optimal value is not known.

G_14

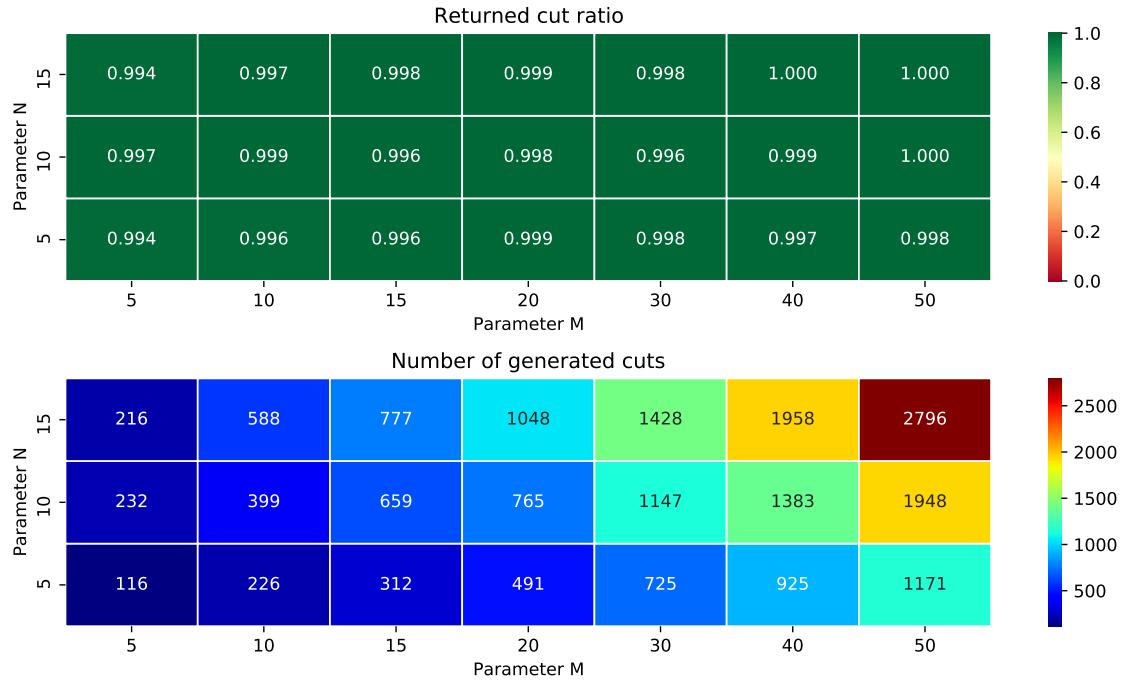


Figure 209: The top plot shows the ratio of the returned value and the highest reached value and the bottom plot shows the number of generated cuts. The optimal value is not known.

G_15

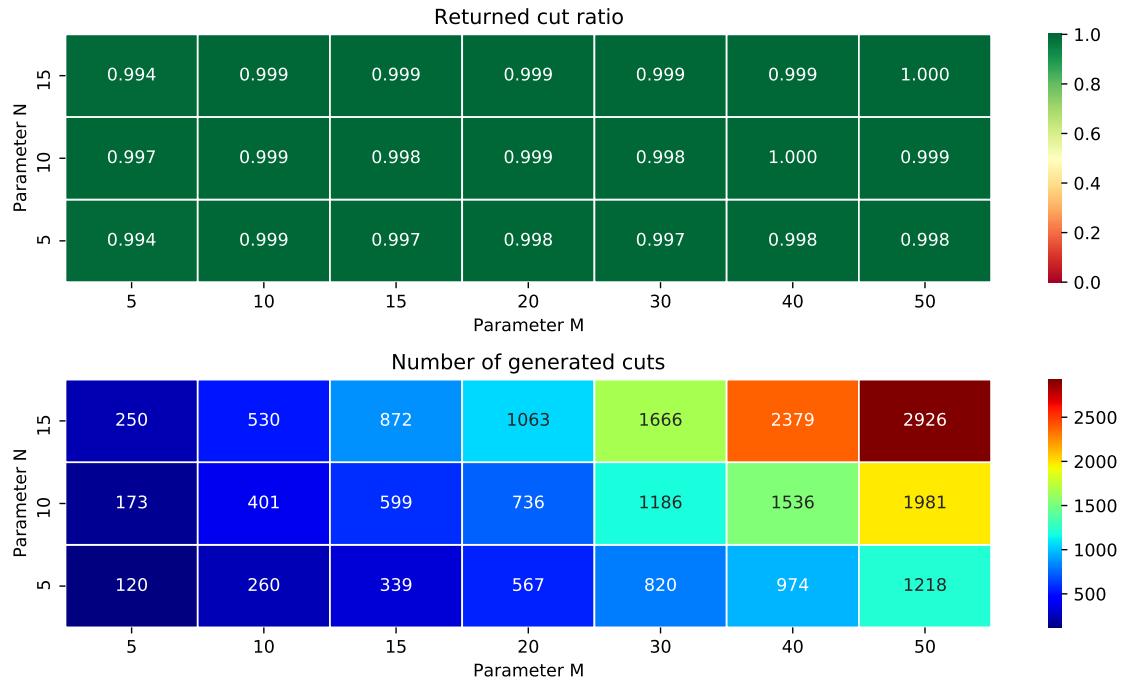


Figure 210: The top plot shows the ratio of the returned value and the highest reached value and the bottom plot shows the number of generated cuts. The optimal value is not known.

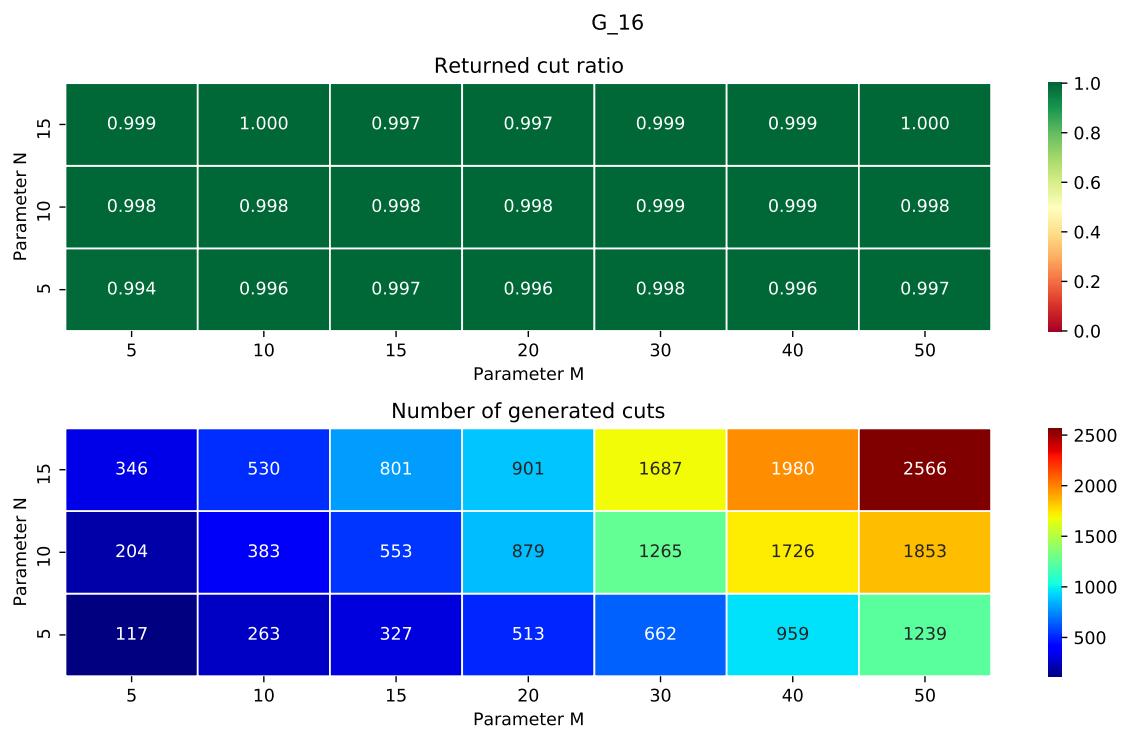


Figure 211: The top plot shows the ratio of the returned value and the highest reached value and the bottom plot shows the number of generated cuts. The optimal value is not known.

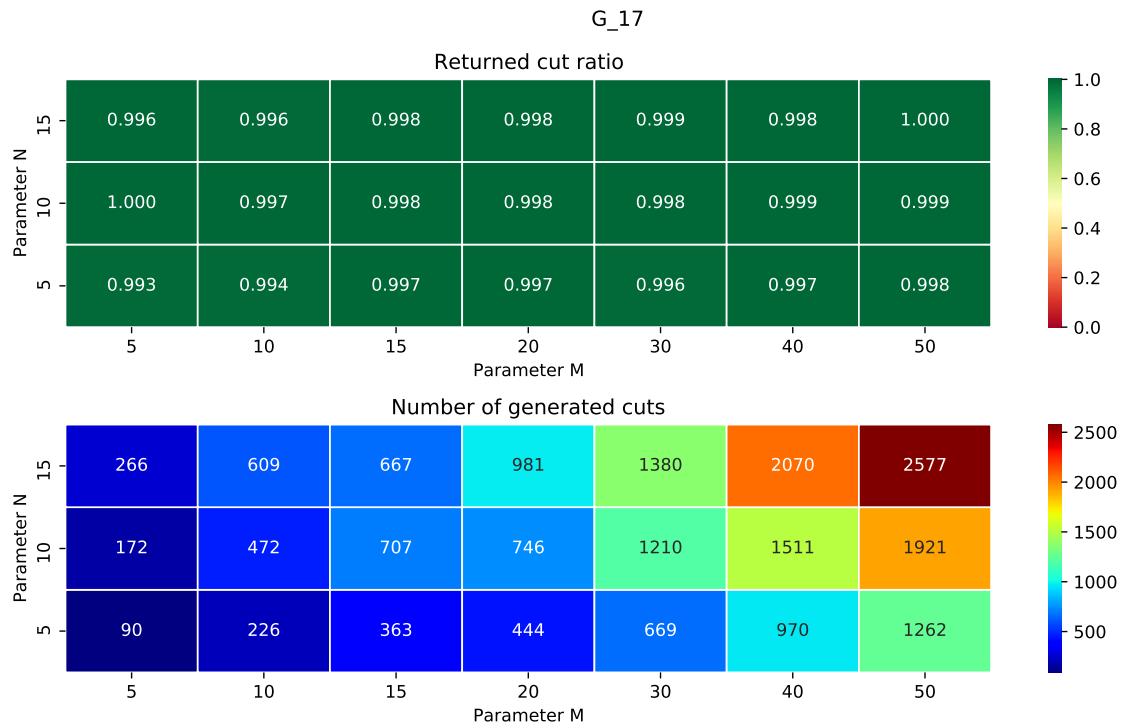


Figure 212: The top plot shows the ratio of the returned value and the highest reached value and the bottom plot shows the number of generated cuts. The optimal value is not known.

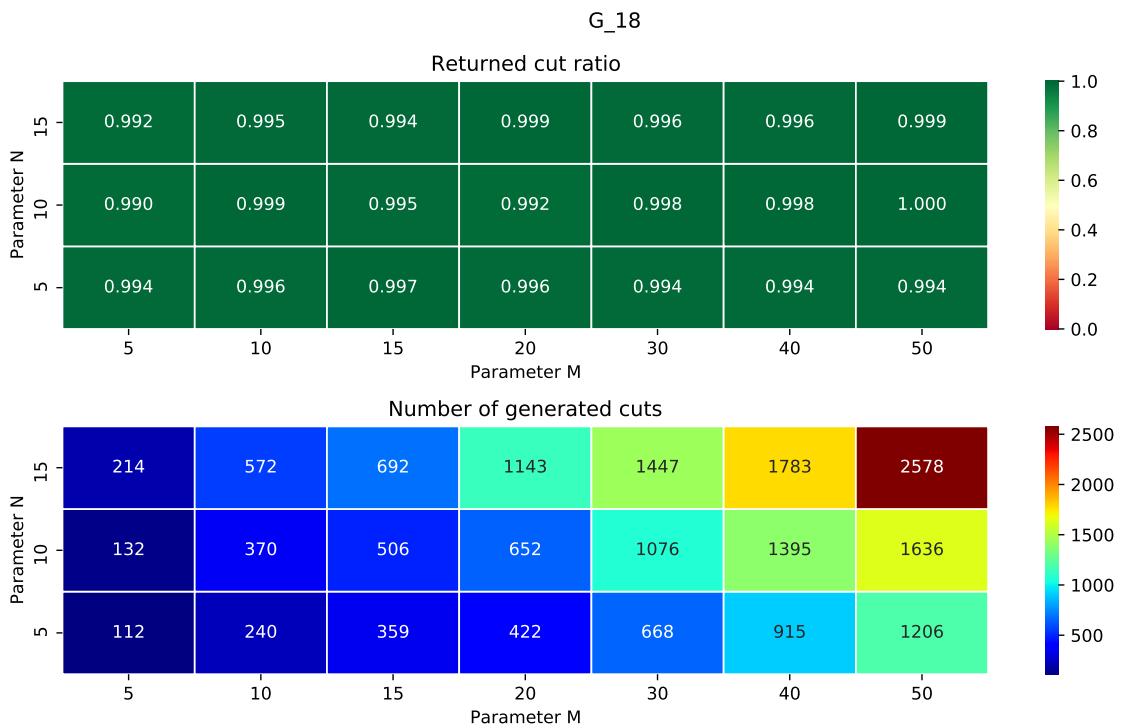


Figure 213: The top plot shows the ratio of the returned value and the highest reached value and the bottom plot shows the number of generated cuts. The optimal value is not known.

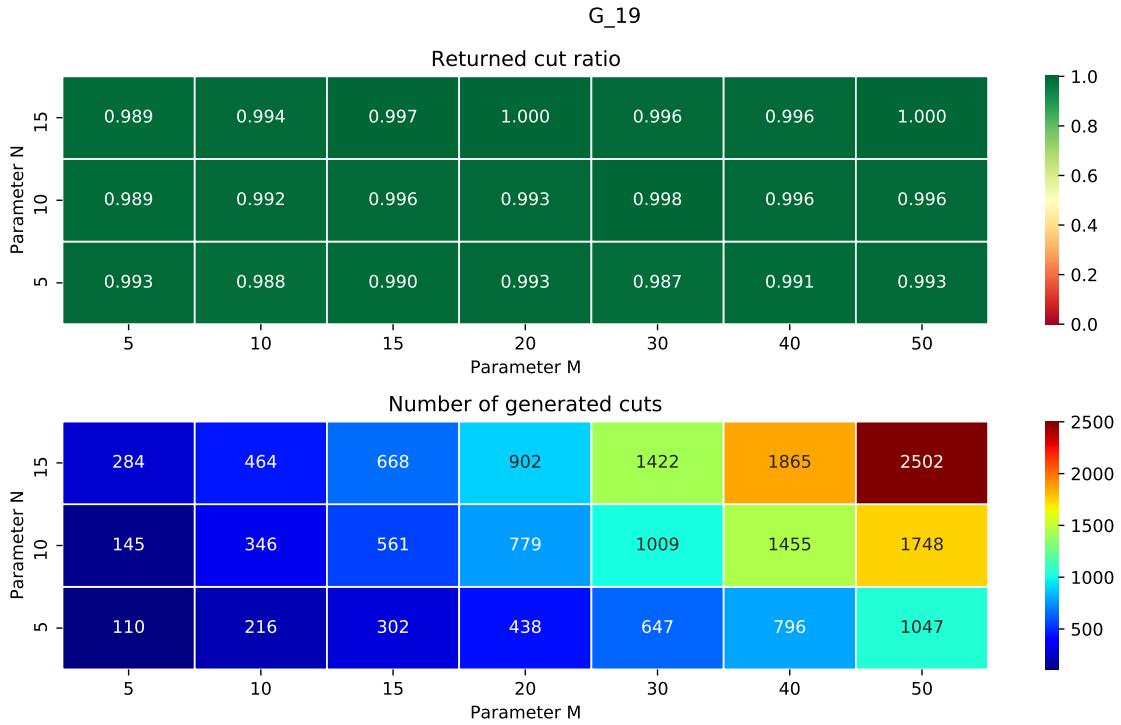


Figure 214: The top plot shows the ratio of the returned value and the highest reached value and the bottom plot shows the number of generated cuts. The optimal value is not known.

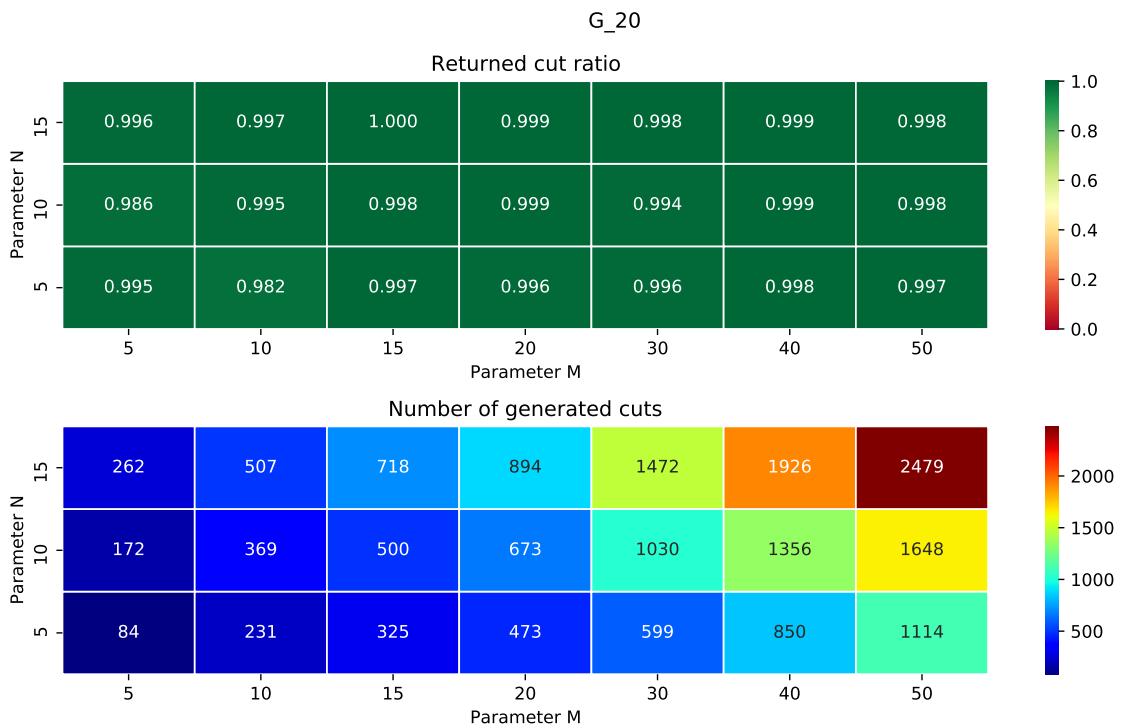


Figure 215: The top plot shows the ratio of the returned value and the highest reached value and the bottom plot shows the number of generated cuts. The optimal value is not known.

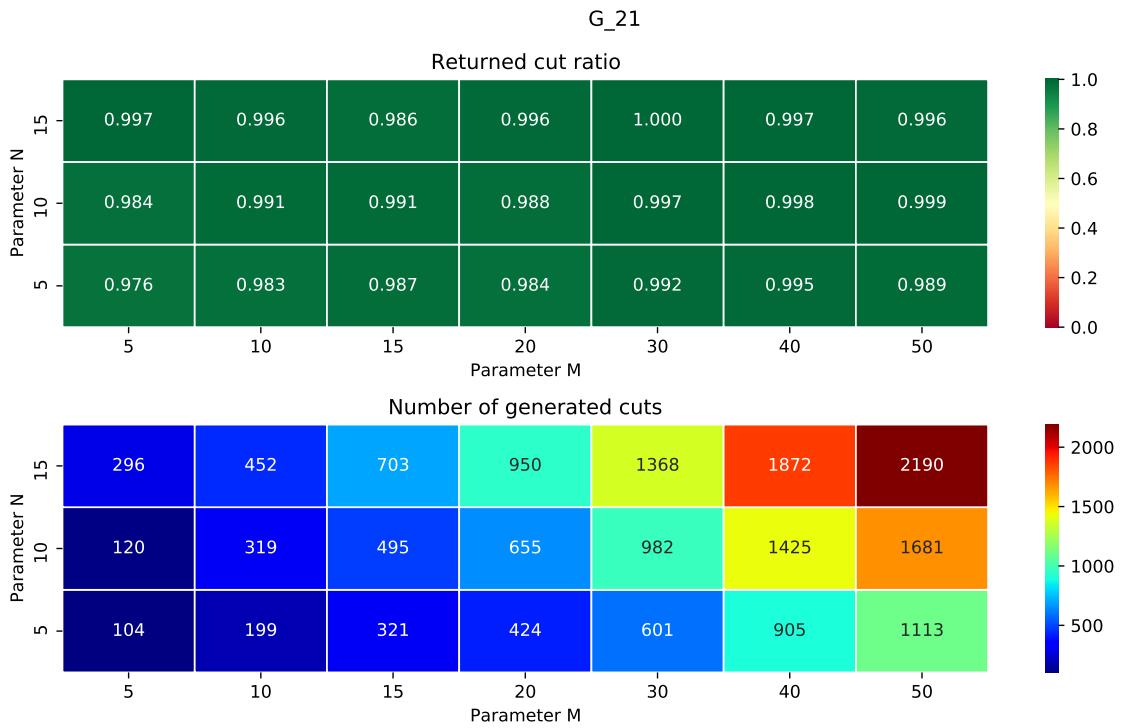


Figure 216: The top plot shows the ratio of the returned value and the highest reached value and the bottom plot shows the number of generated cuts. The optimal value is not known.

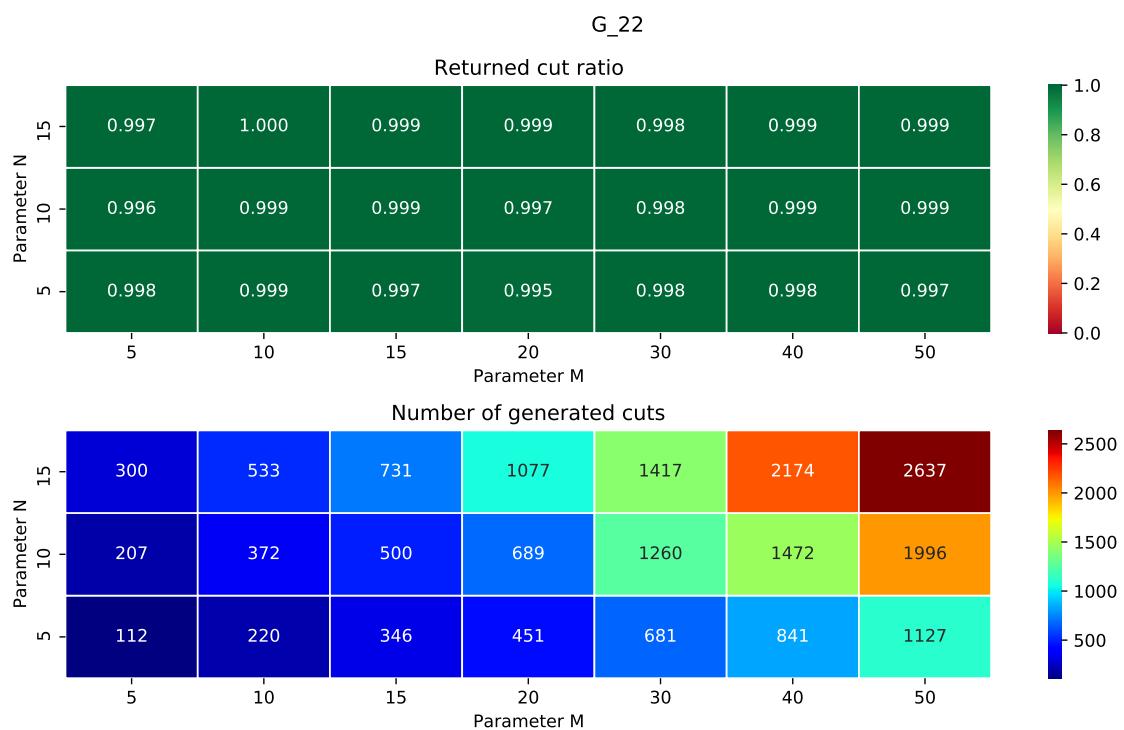


Figure 217: The top plot shows the ratio of the returned value and the highest reached value and the bottom plot shows the number of generated cuts. The optimal value is not known.

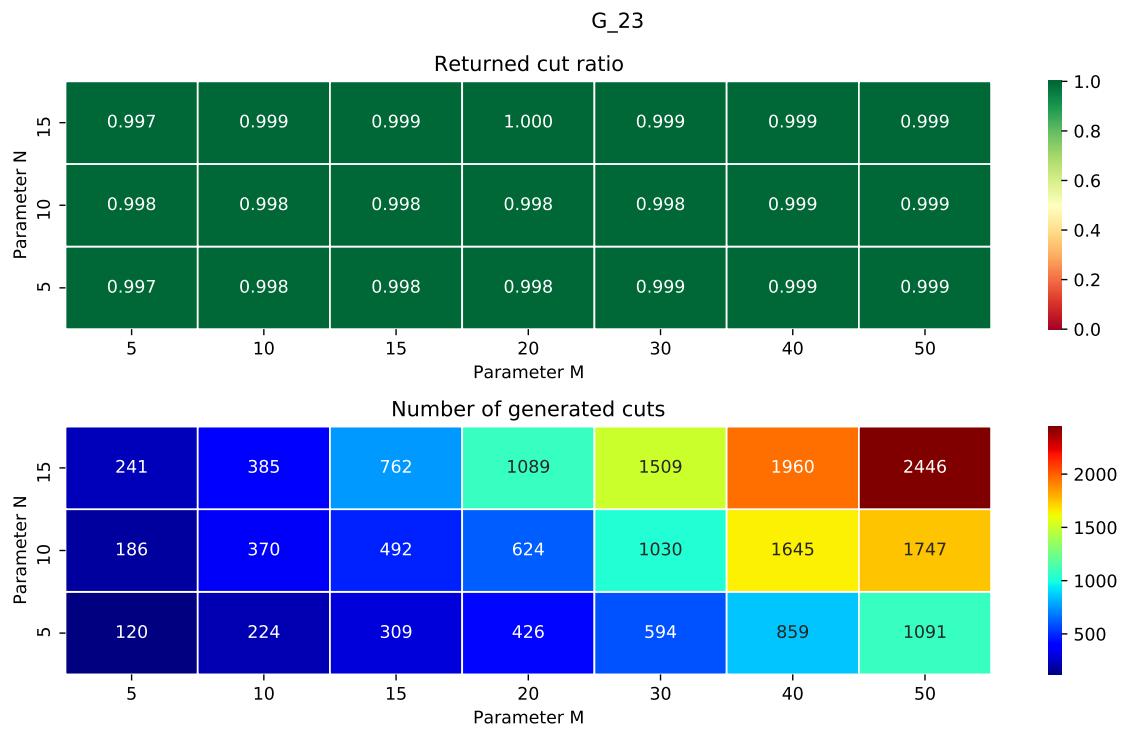


Figure 218: The top plot shows the ratio of the returned value and the highest reached value and the bottom plot shows the number of generated cuts. The optimal value is not known.

G_24

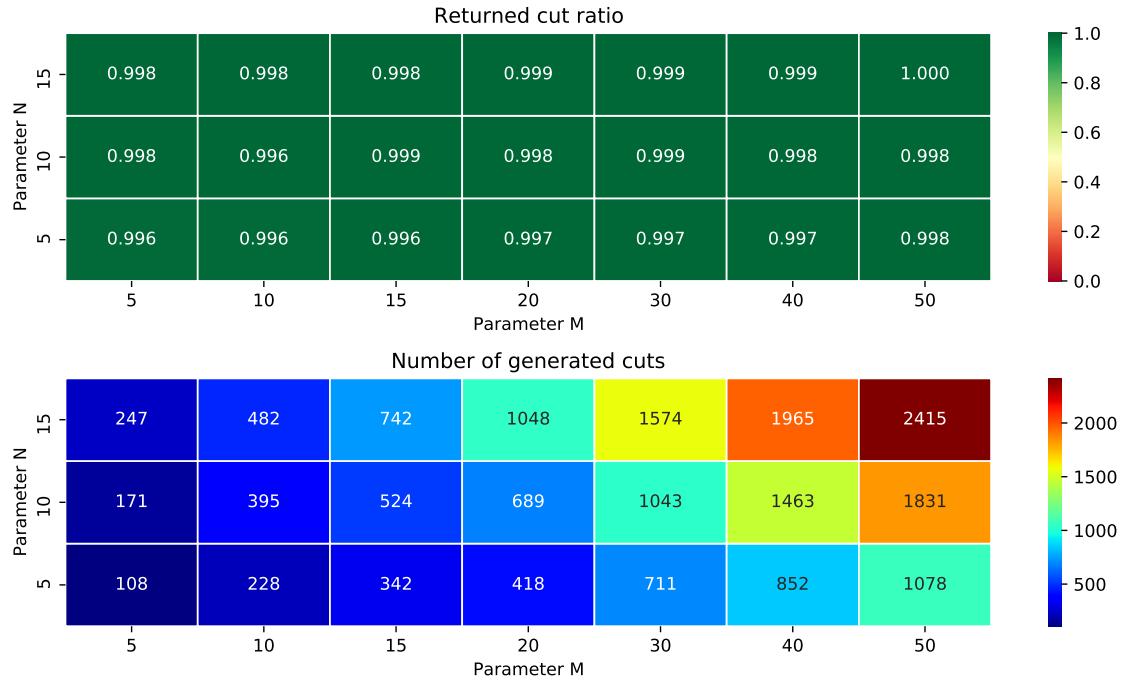


Figure 219: The top plot shows the ratio of the returned value and the highest reached value and the bottom plot shows the number of generated cuts. The optimal value is not known.

G_25

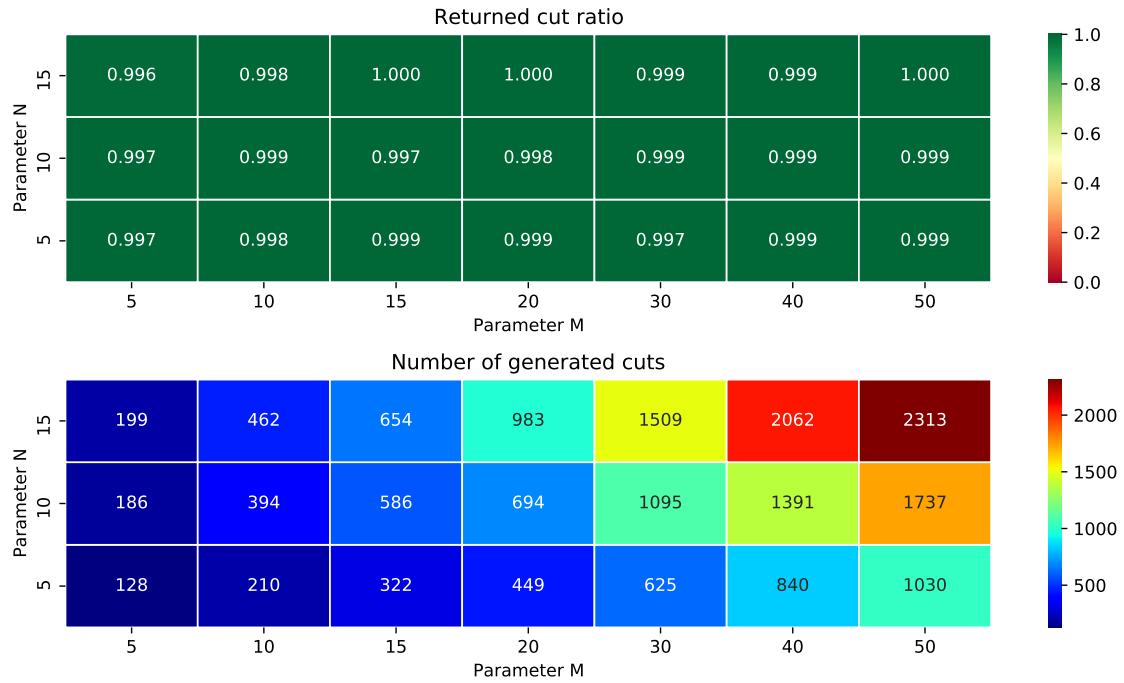


Figure 220: The top plot shows the ratio of the returned value and the highest reached value and the bottom plot shows the number of generated cuts. The optimal value is not known.

G_26

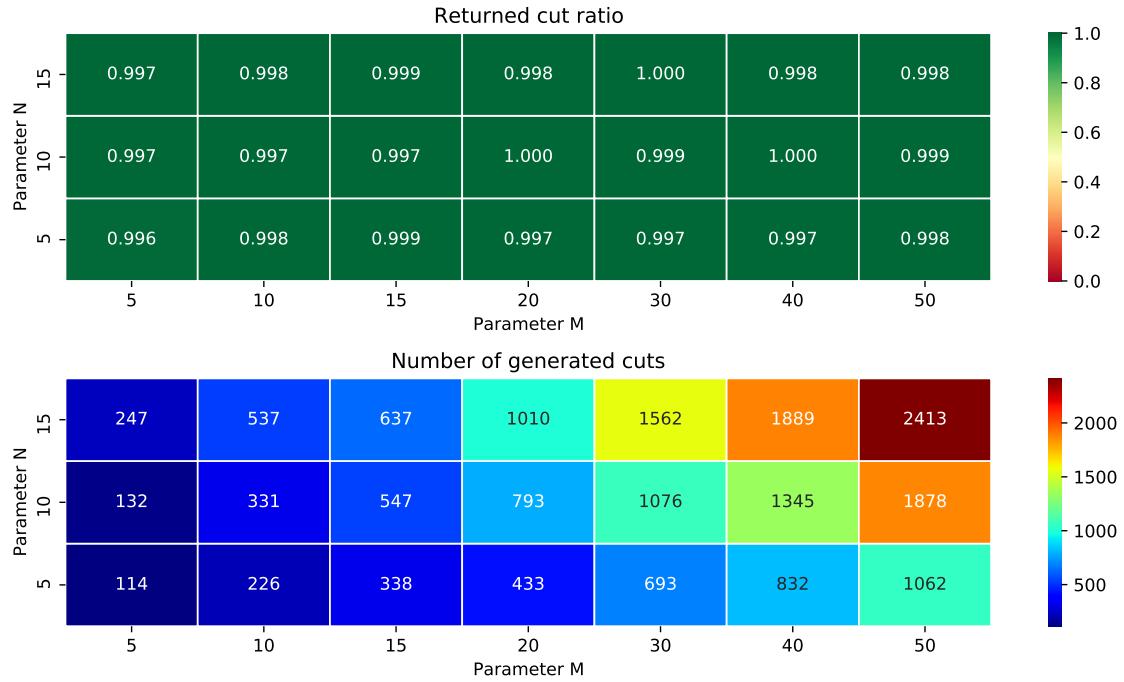


Figure 221: The top plot shows the ratio of the returned value and the highest reached value and the bottom plot shows the number of generated cuts. The optimal value is not known.

G_27

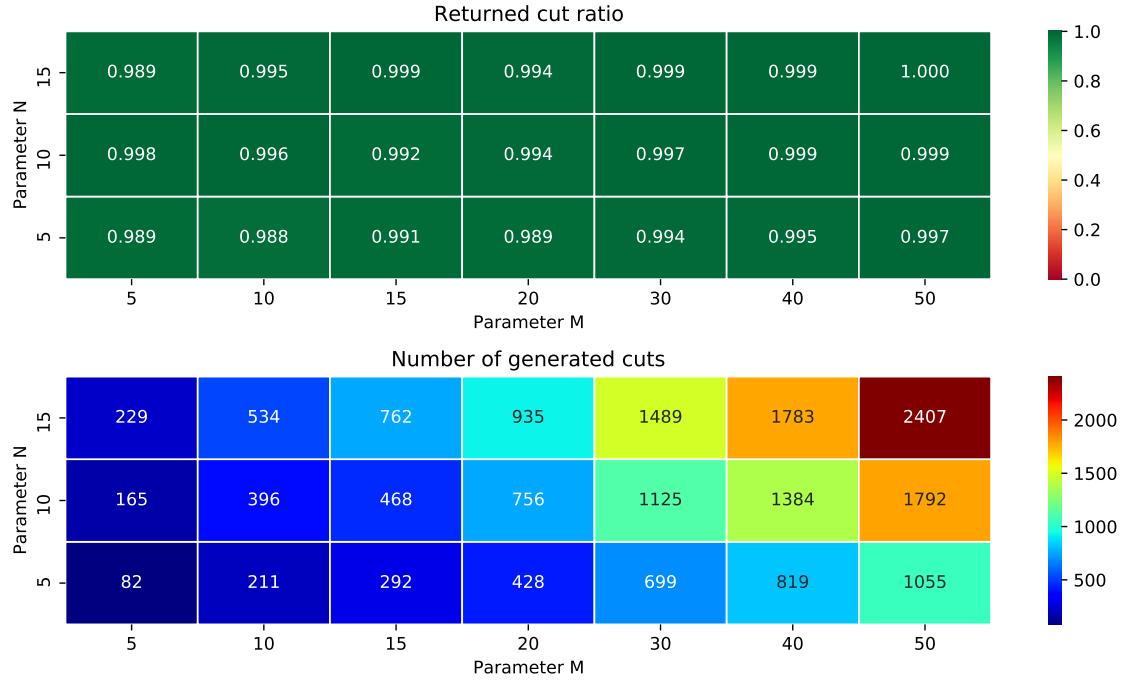


Figure 222: The top plot shows the ratio of the returned value and the highest reached value and the bottom plot shows the number of generated cuts. The optimal value is not known.

G_28

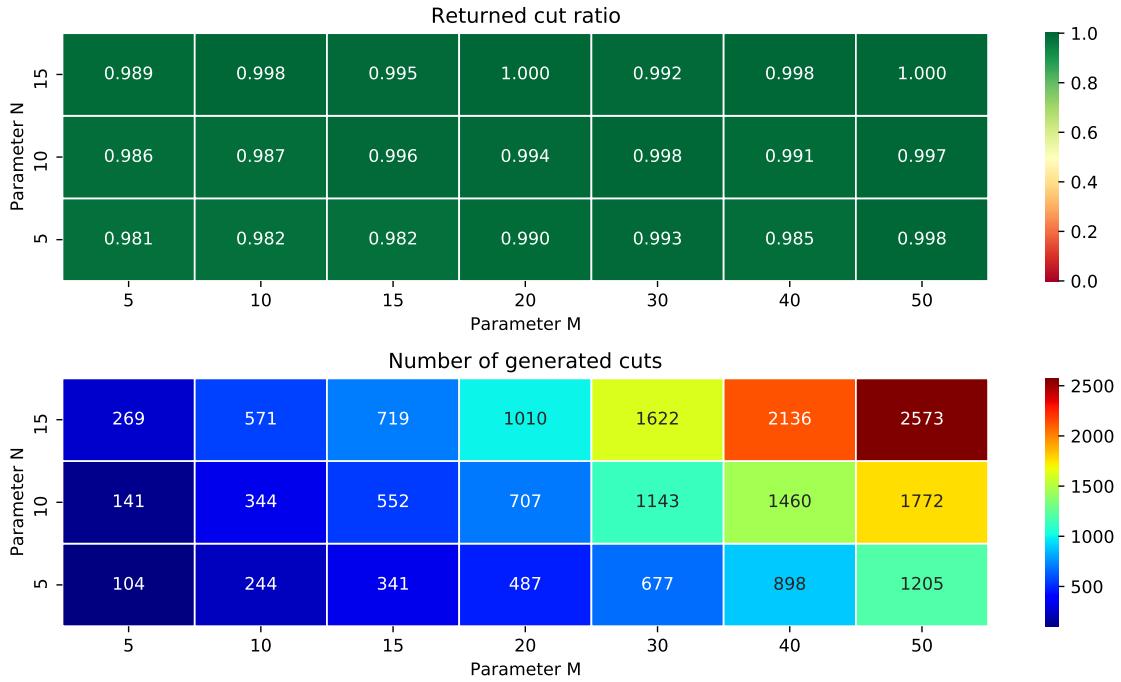


Figure 223: The top plot shows the ratio of the returned value and the highest reached value and the bottom plot shows the number of generated cuts. The optimal value is not known.

G_29

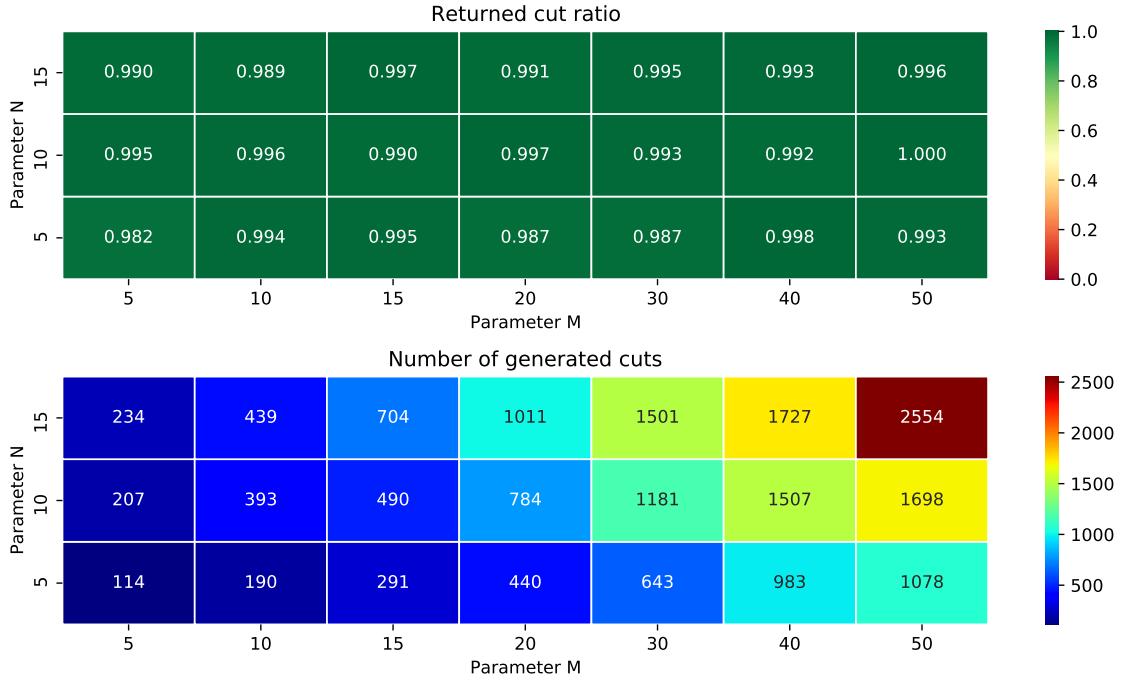


Figure 224: The top plot shows the ratio of the returned value and the highest reached value and the bottom plot shows the number of generated cuts. The optimal value is not known.

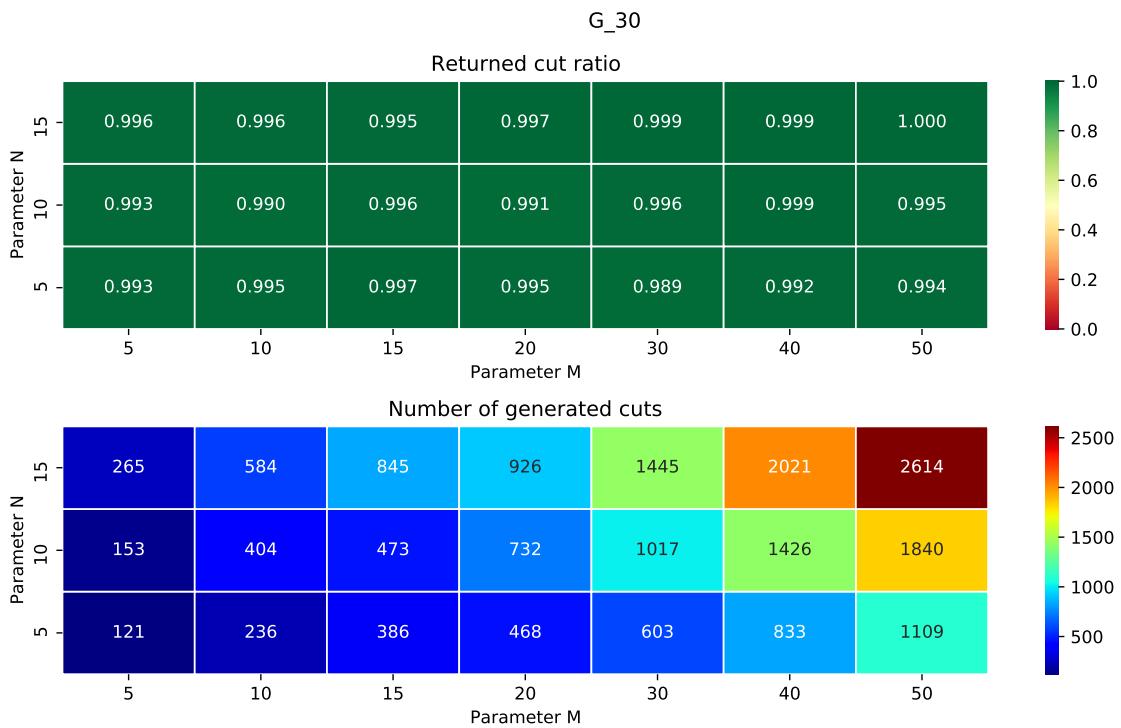


Figure 225: The top plot shows the ratio of the returned value and the highest reached value and the bottom plot shows the number of generated cuts. The optimal value is not known.

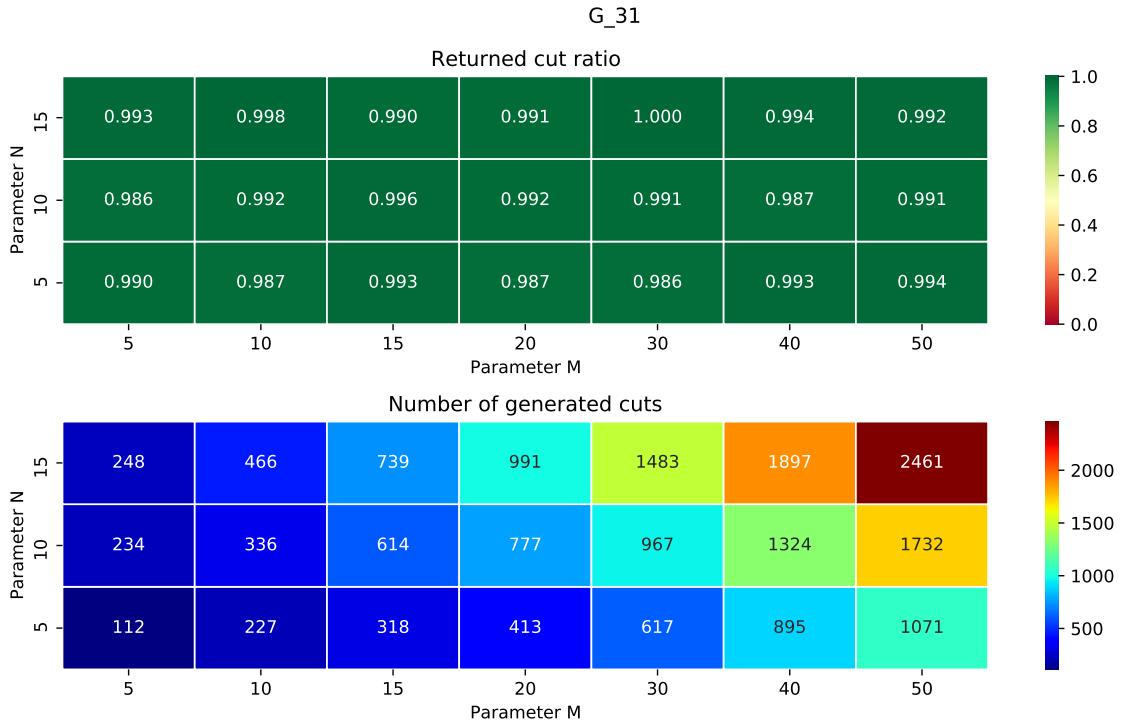


Figure 226: The top plot shows the ratio of the returned value and the highest reached value and the bottom plot shows the number of generated cuts. The optimal value is not known.

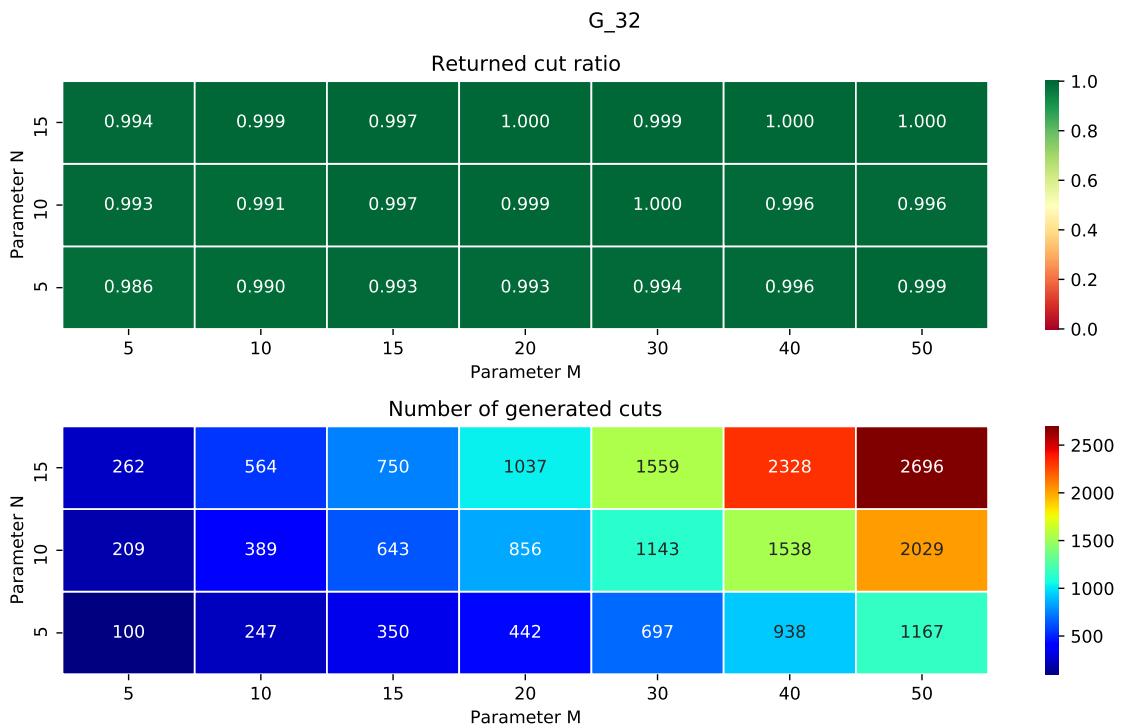


Figure 227: The top plot shows the ratio of the returned value and the highest reached value and the bottom plot shows the number of generated cuts. The optimal value is not known.

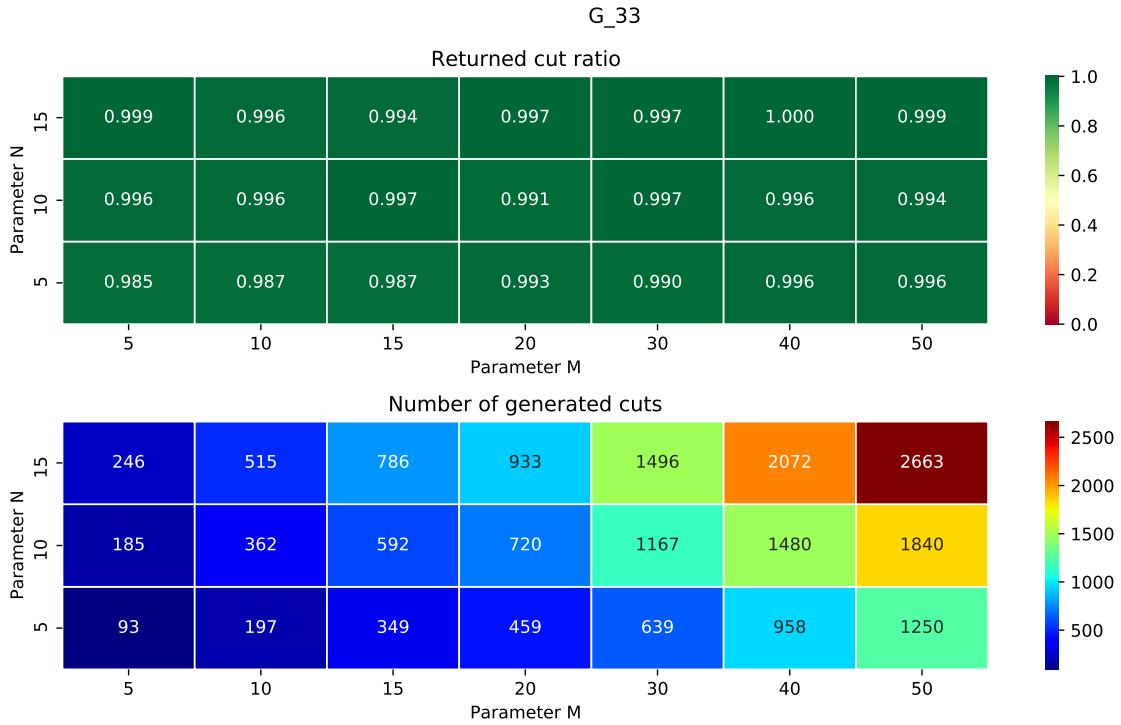


Figure 228: The top plot shows the ratio of the returned value and the highest reached value and the bottom plot shows the number of generated cuts. The optimal value is not known.

G_34

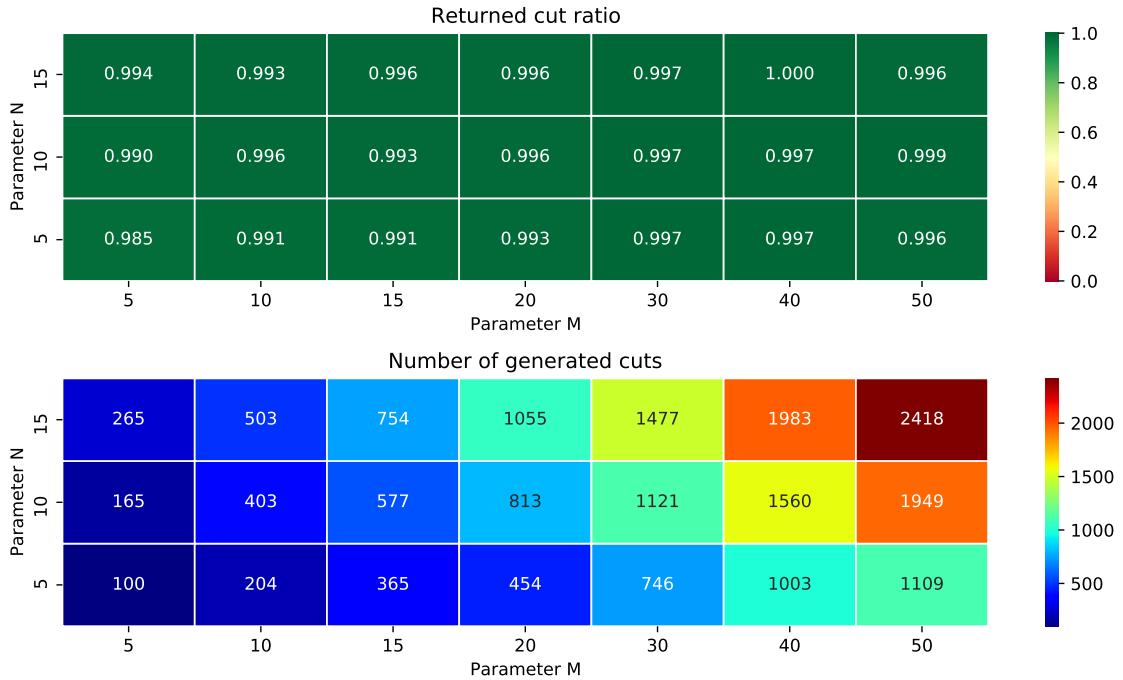


Figure 229: The top plot shows the ratio of the returned value and the highest reached value and the bottom plot shows the number of generated cuts. The optimal value is not known.

G_35

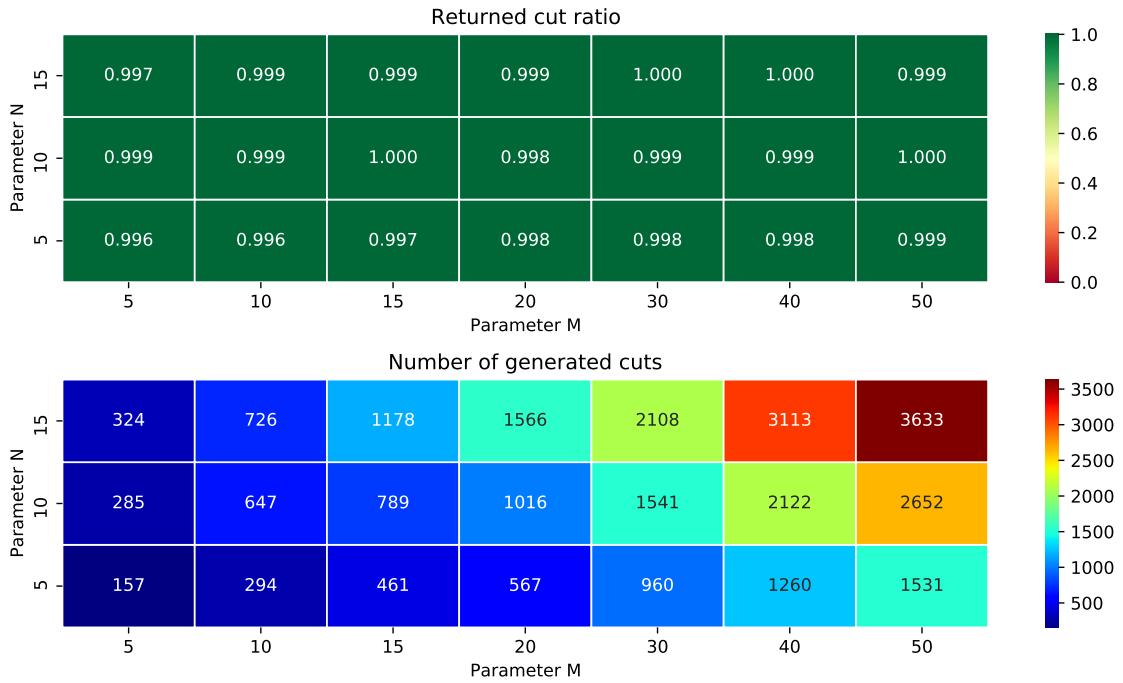


Figure 230: The top plot shows the ratio of the returned value and the highest reached value and the bottom plot shows the number of generated cuts. The optimal value is not known.

G_36

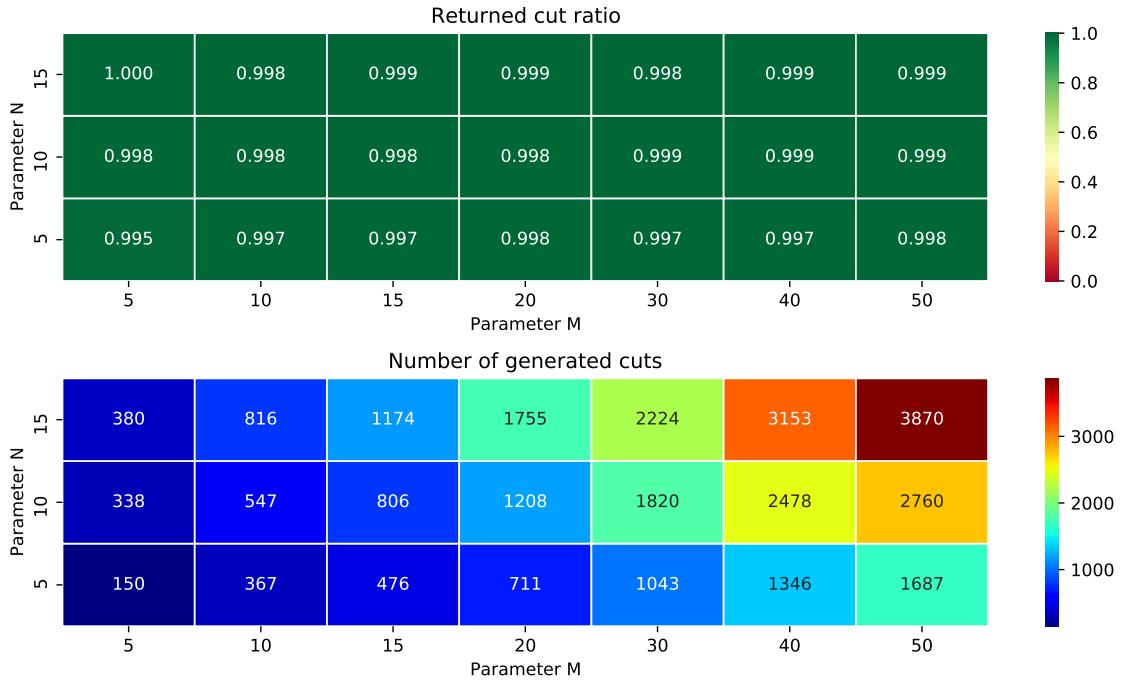


Figure 231: The top plot shows the ratio of the returned value and the highest reached value and the bottom plot shows the number of generated cuts. The optimal value is not known.

G_37

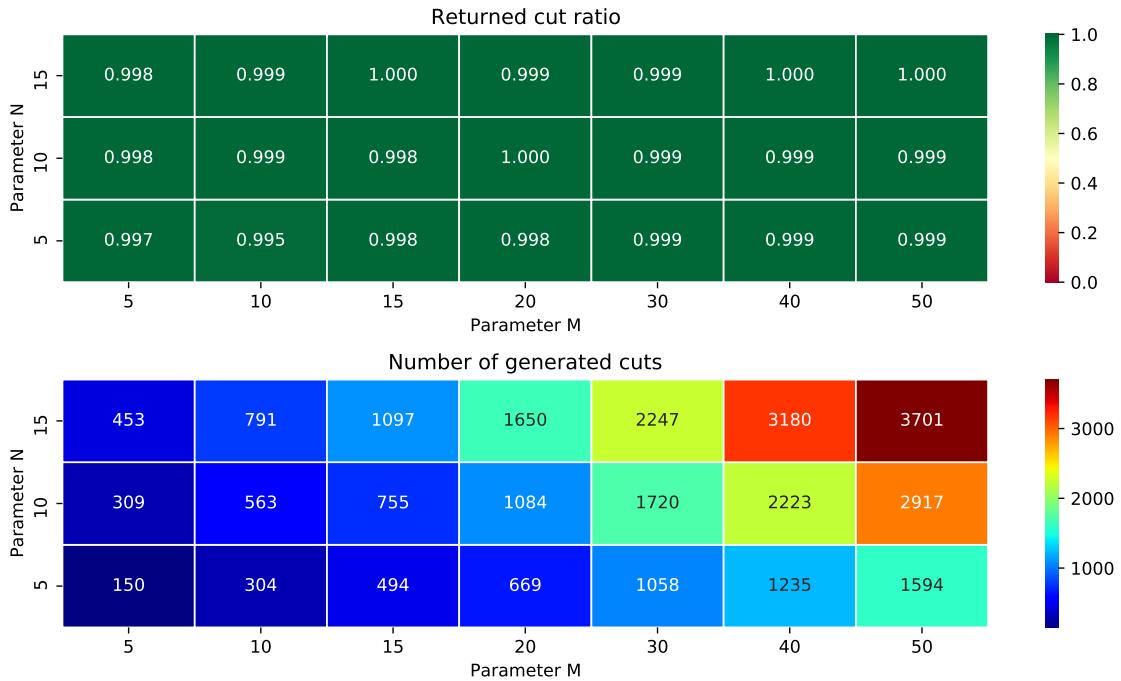


Figure 232: The top plot shows the ratio of the returned value and the highest reached value and the bottom plot shows the number of generated cuts. The optimal value is not known.

G_38

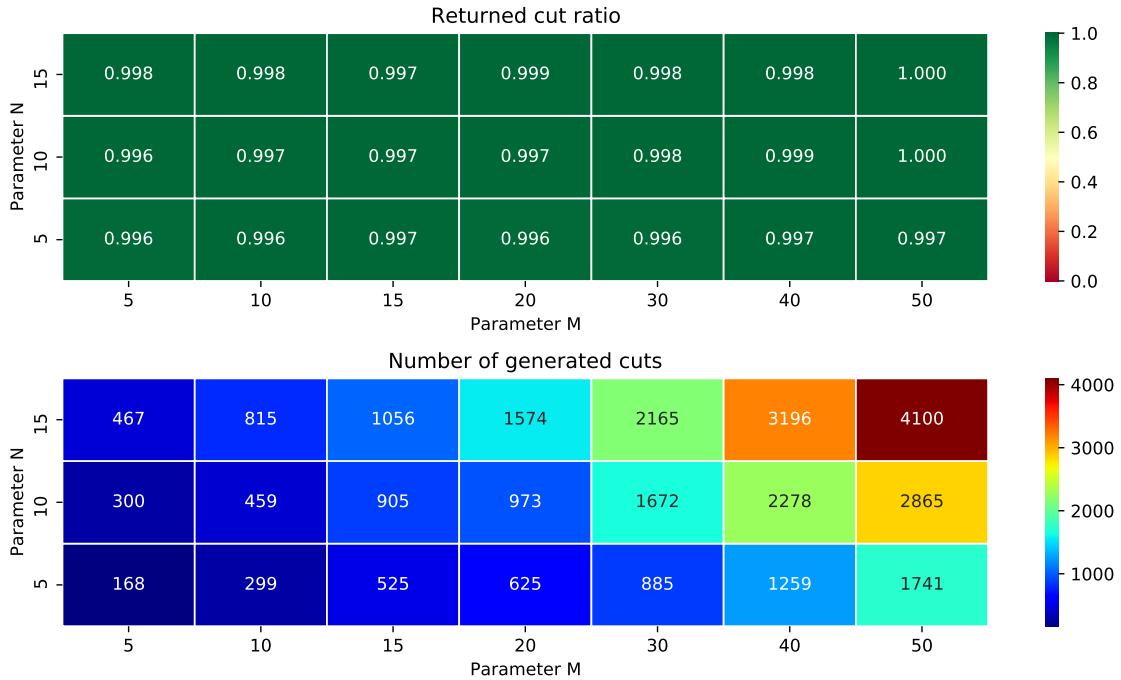


Figure 233: The top plot shows the ratio of the returned value and the highest reached value and the bottom plot shows the number of generated cuts. The optimal value is not known.

G_39

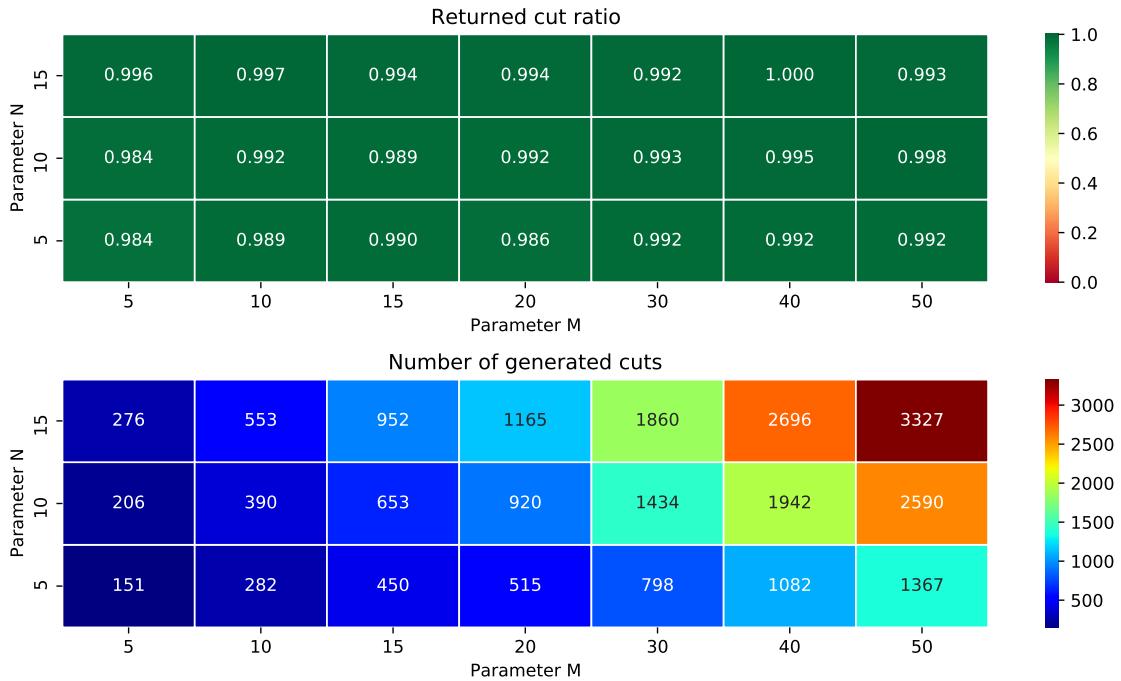


Figure 234: The top plot shows the ratio of the returned value and the highest reached value and the bottom plot shows the number of generated cuts. The optimal value is not known.

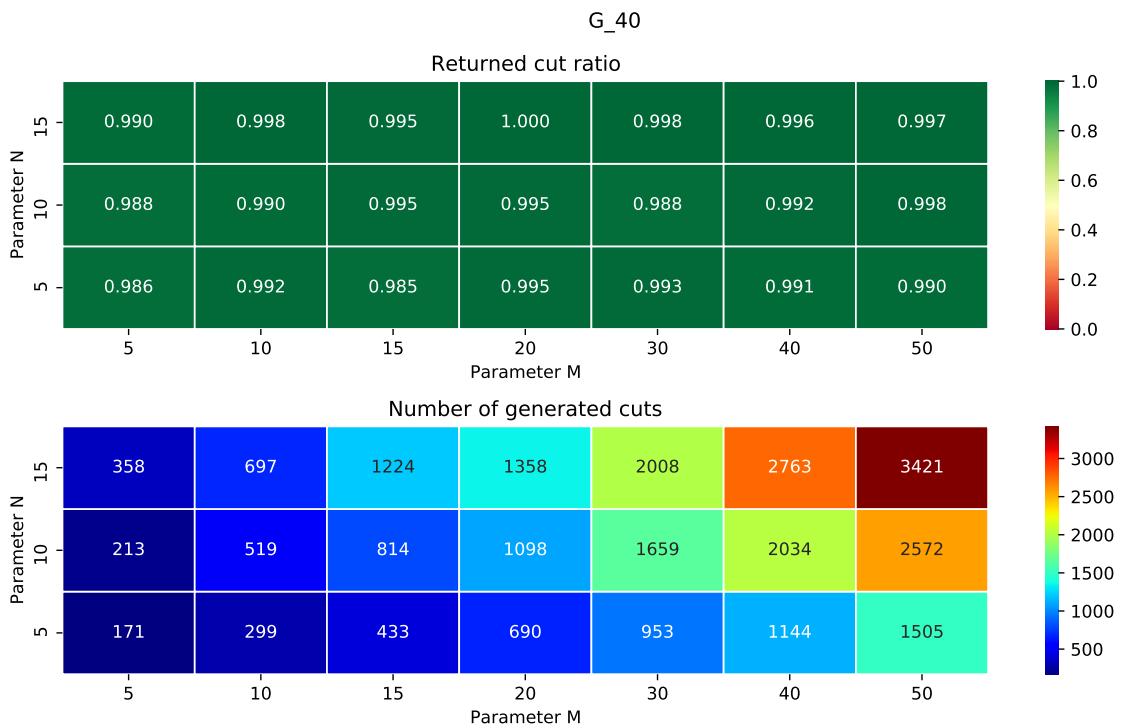


Figure 235: The top plot shows the ratio of the returned value and the highest reached value and the bottom plot shows the number of generated cuts. The optimal value is not known.

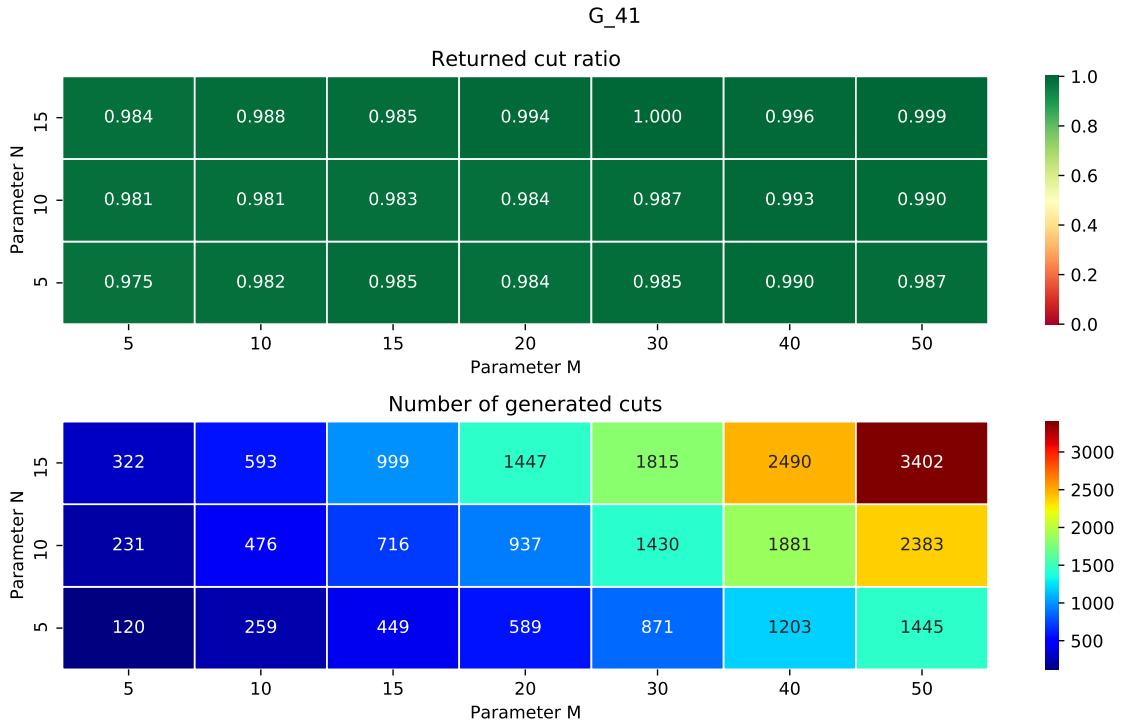


Figure 236: The top plot shows the ratio of the returned value and the highest reached value and the bottom plot shows the number of generated cuts. The optimal value is not known.

G_42

Returned cut ratio

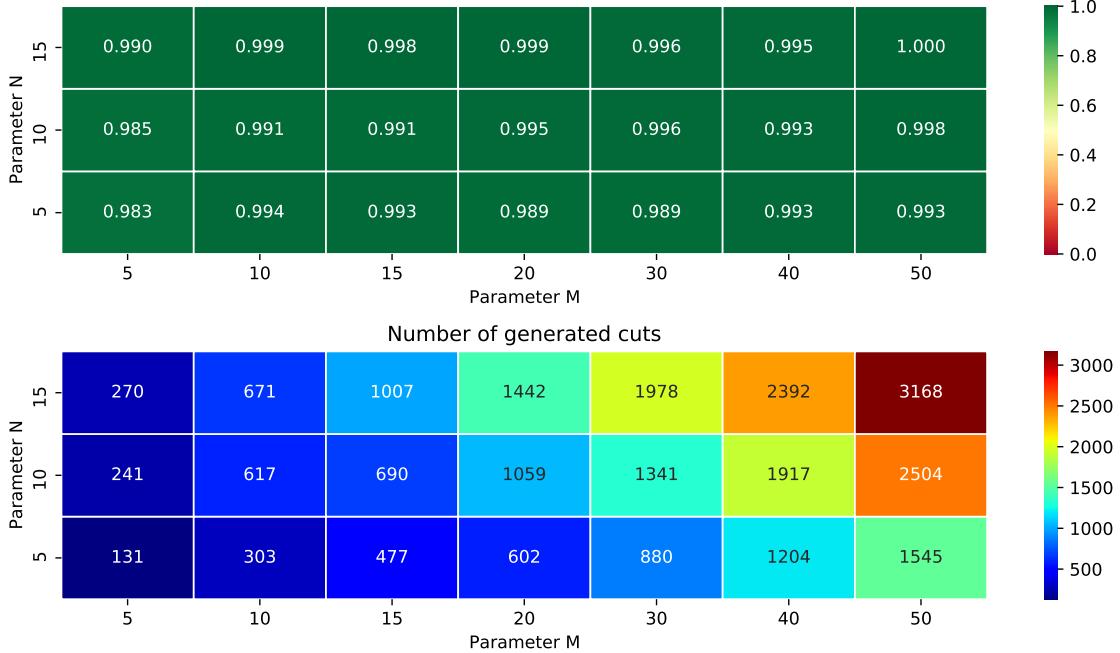


Figure 237: The top plot shows the ratio of the returned value and the highest reached value and the bottom plot shows the number of generated cuts. The optimal value is not known.

G_43

Returned cut ratio

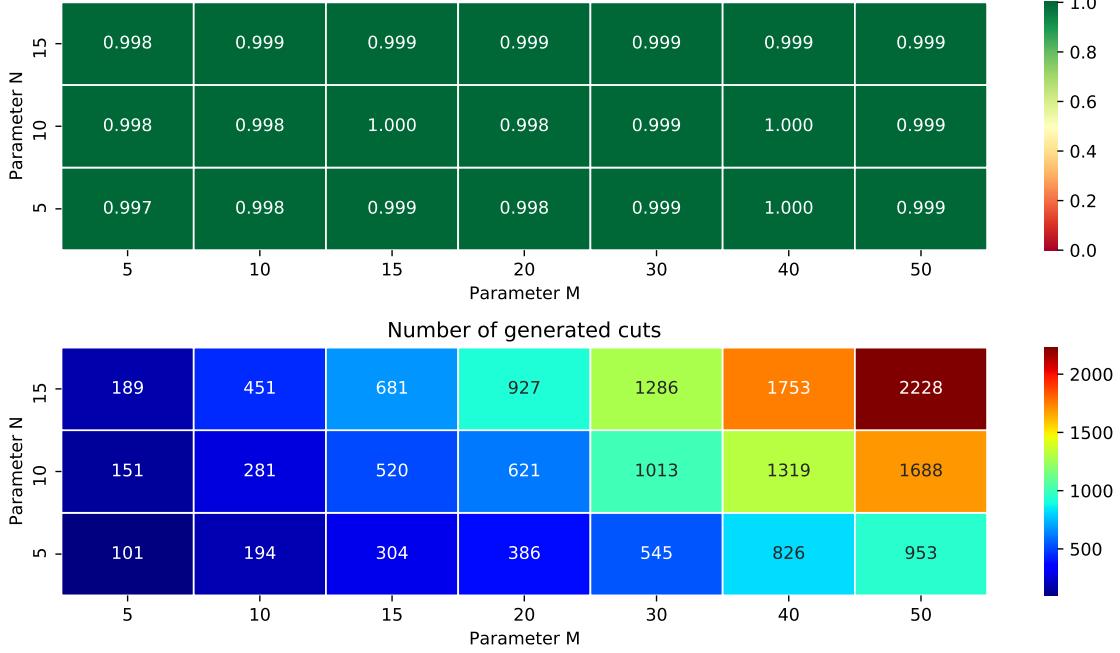


Figure 238: The top plot shows the ratio of the returned value and the highest reached value and the bottom plot shows the number of generated cuts. The optimal value is not known.

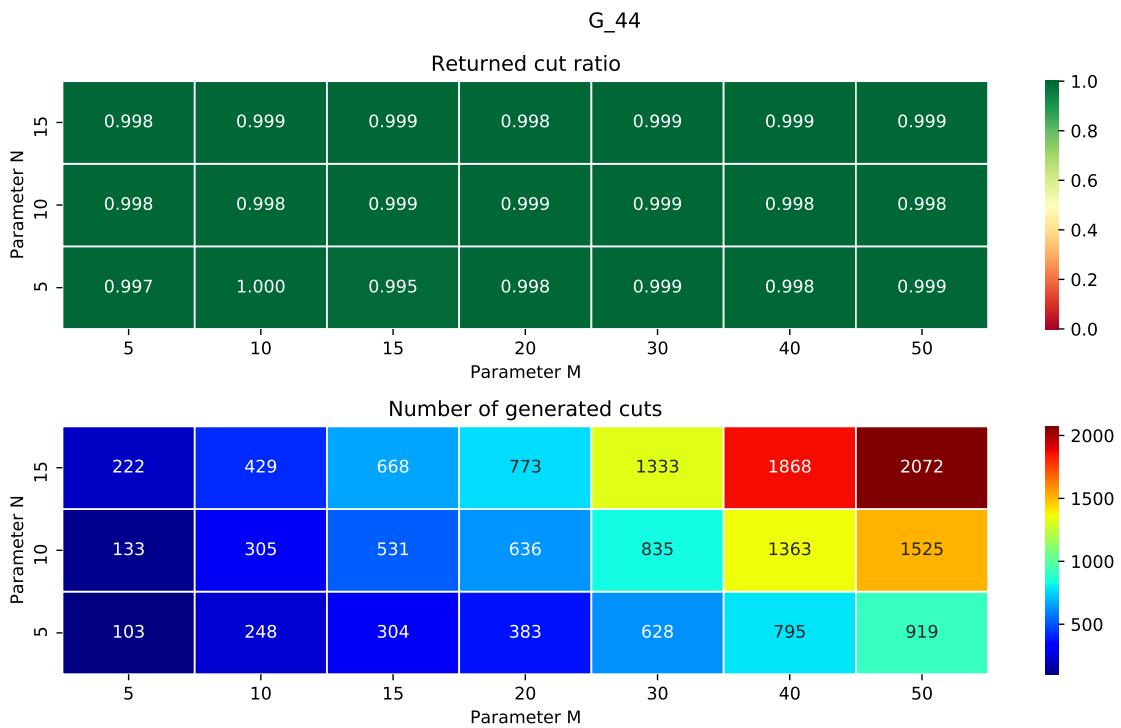


Figure 239: The top plot shows the ratio of the returned value and the highest reached value and the bottom plot shows the number of generated cuts. The optimal value is not known.

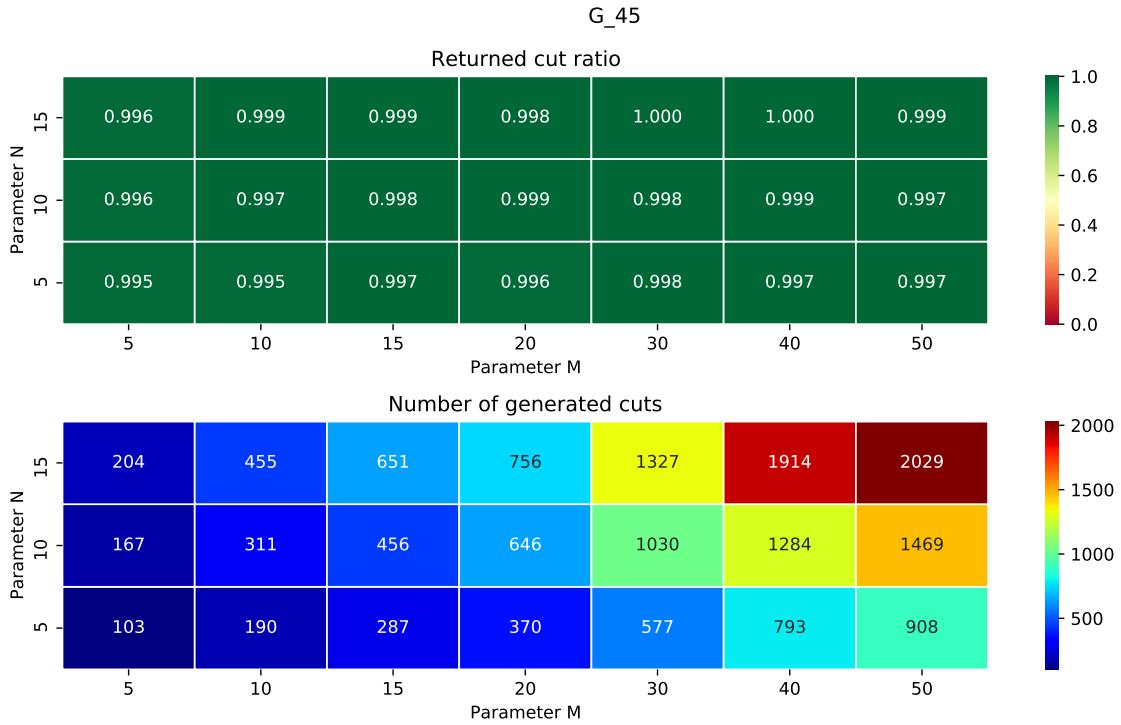


Figure 240: The top plot shows the ratio of the returned value and the highest reached value and the bottom plot shows the number of generated cuts. The optimal value is not known.

G_46

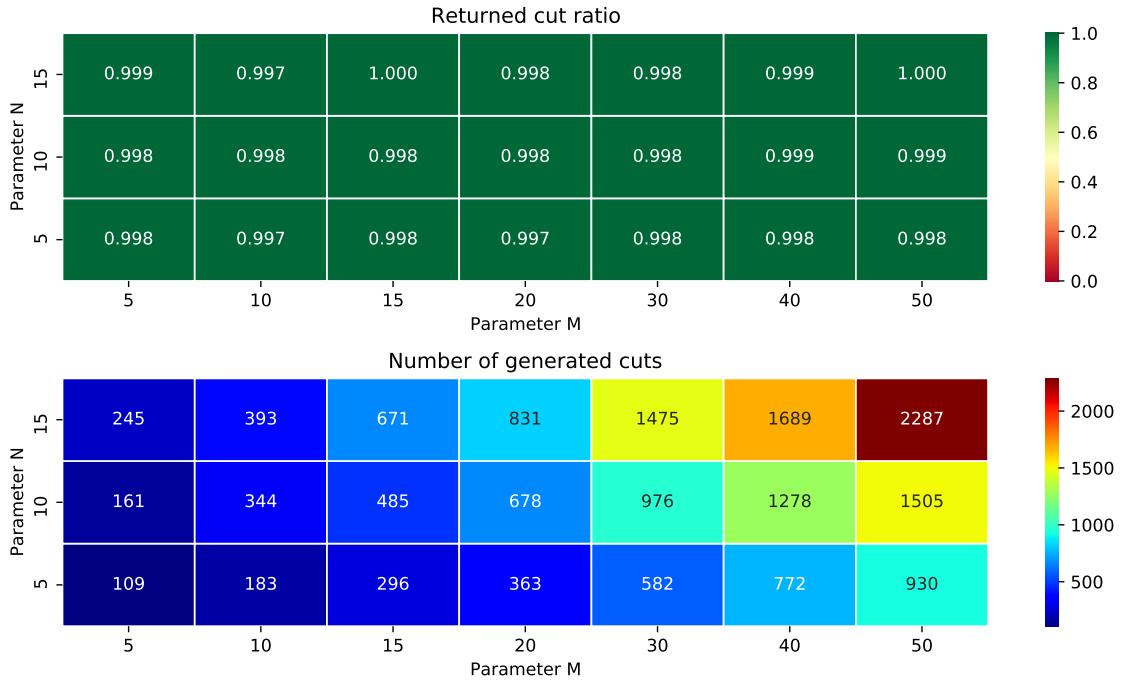


Figure 241: The top plot shows the ratio of the returned value and the highest reached value and the bottom plot shows the number of generated cuts. The optimal value is not known.

G_47

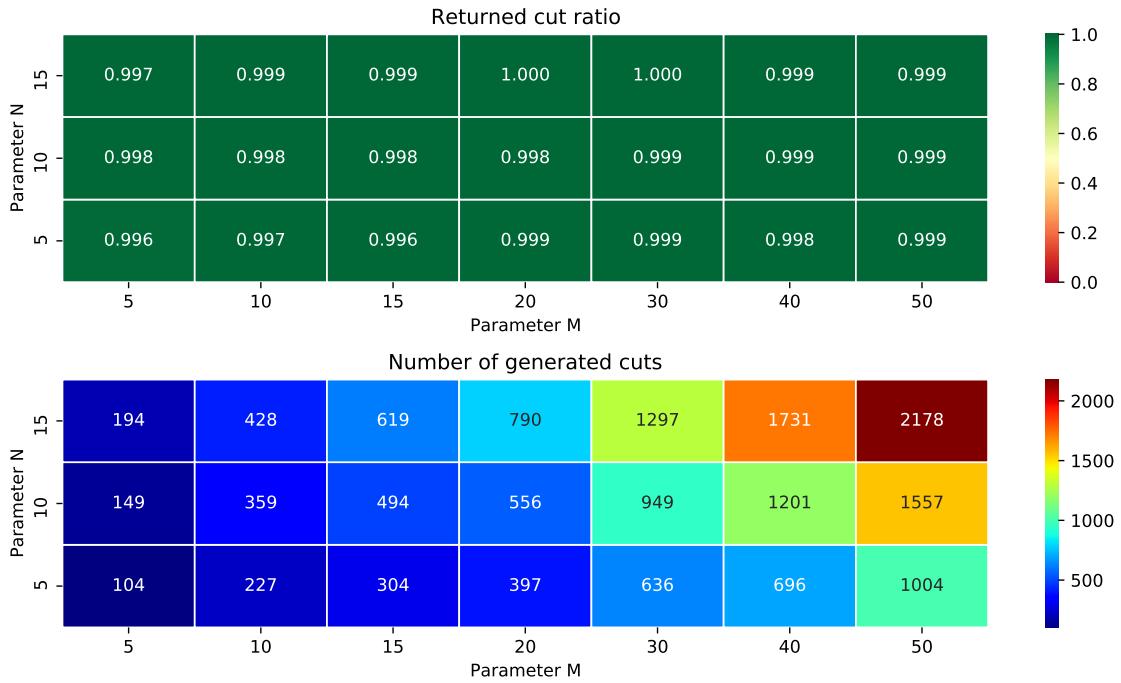


Figure 242: The top plot shows the ratio of the returned value and the highest reached value and the bottom plot shows the number of generated cuts. The optimal value is not known.

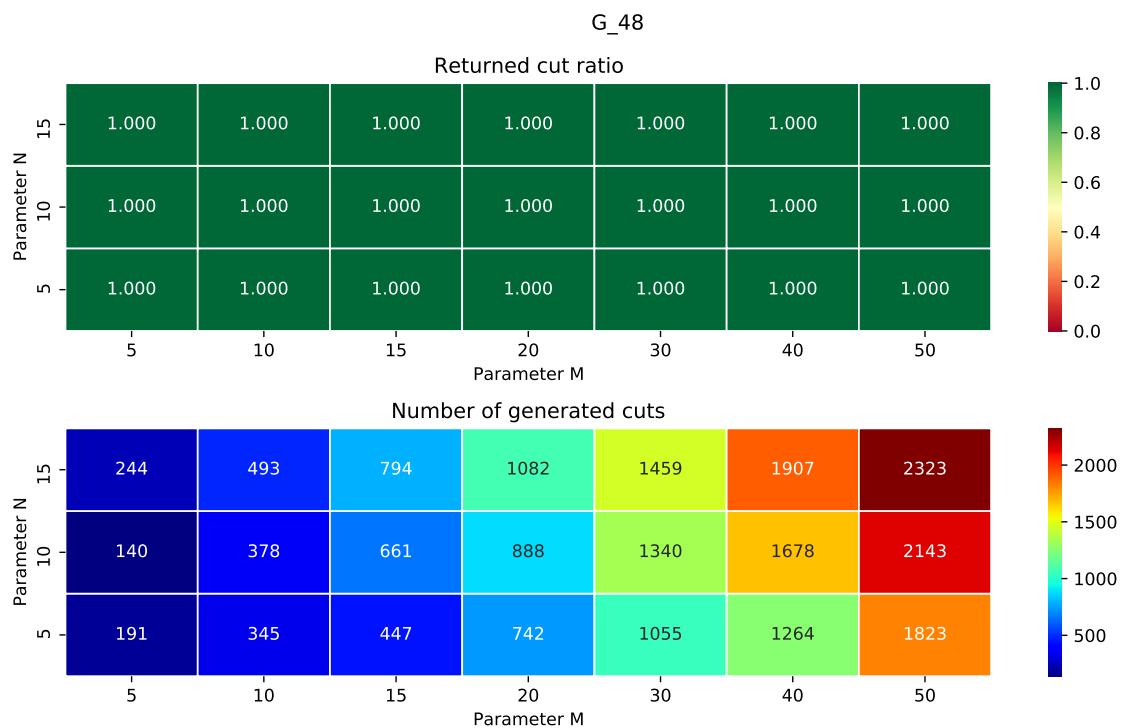


Figure 243: The top plot shows the ratio of the returned value and the highest reached value and the bottom plot shows the number of generated cuts. The optimal value is not known.

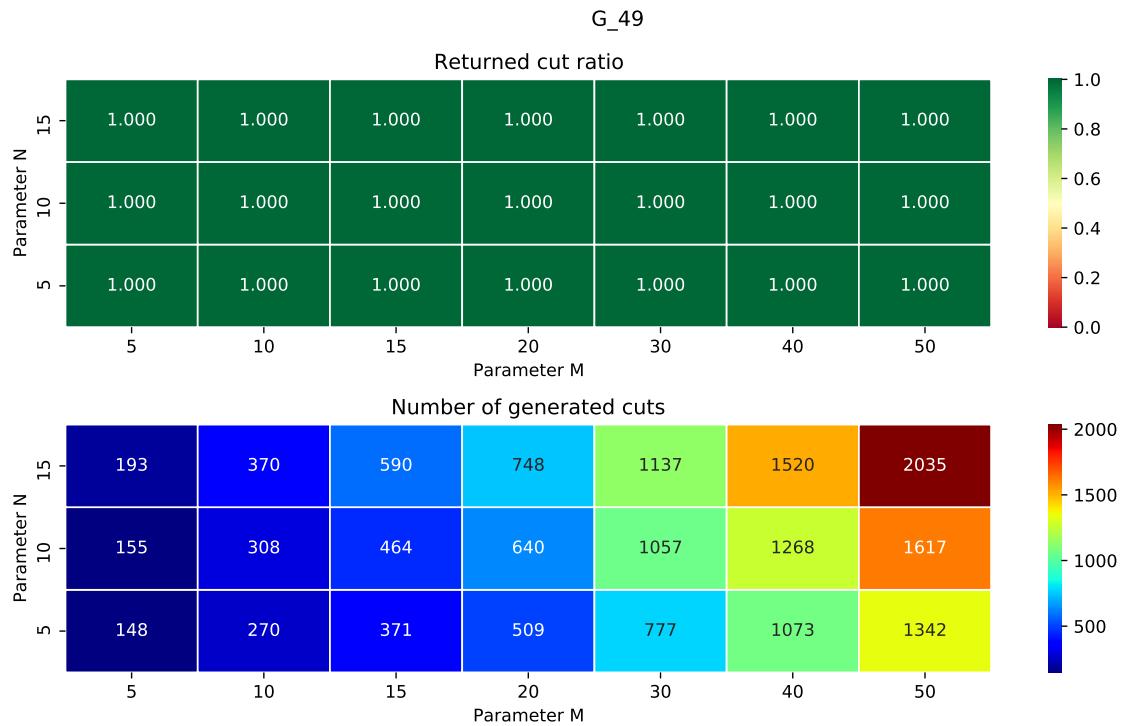


Figure 244: The top plot shows the ratio of the returned value and the highest reached value and the bottom plot shows the number of generated cuts. The optimal value is not known.

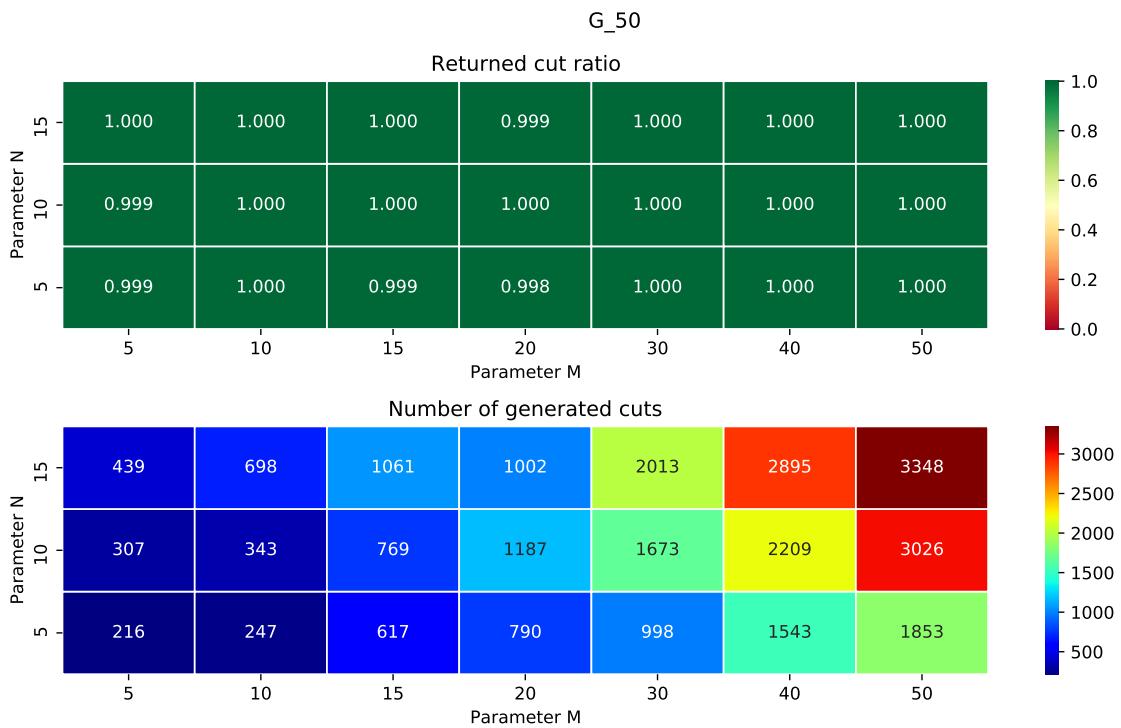


Figure 245: The top plot shows the ratio of the returned value and the highest reached value and the bottom plot shows the number of generated cuts. The optimal value is not known.

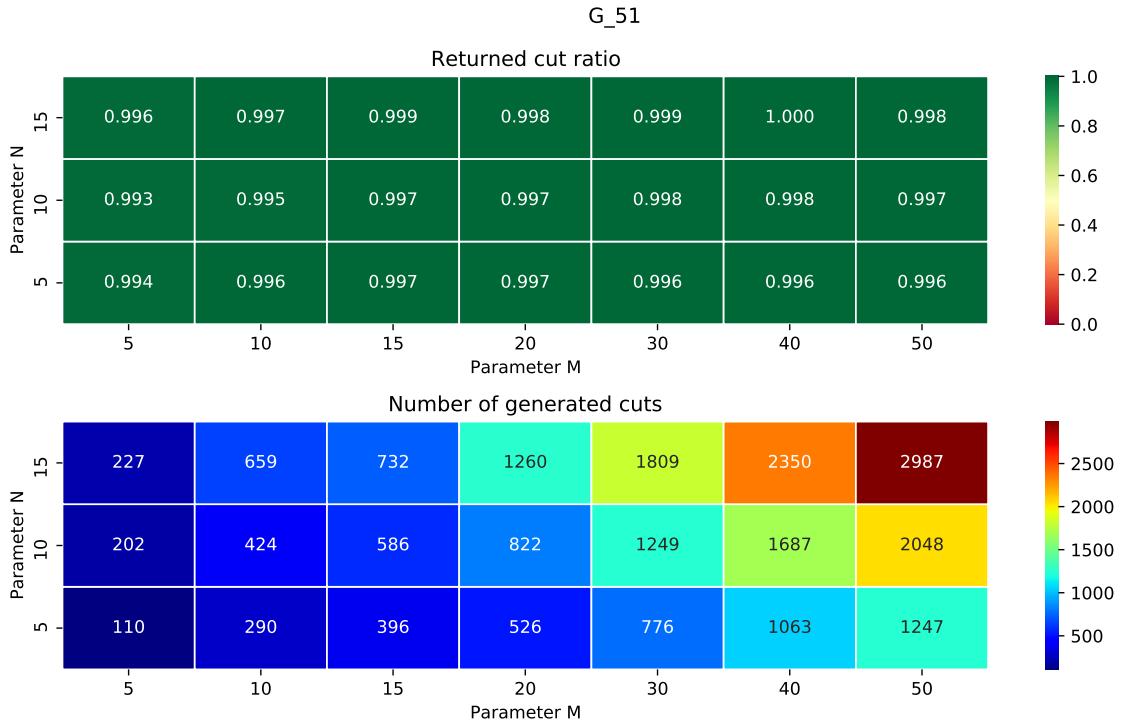


Figure 246: The top plot shows the ratio of the returned value and the highest reached value and the bottom plot shows the number of generated cuts. The optimal value is not known.

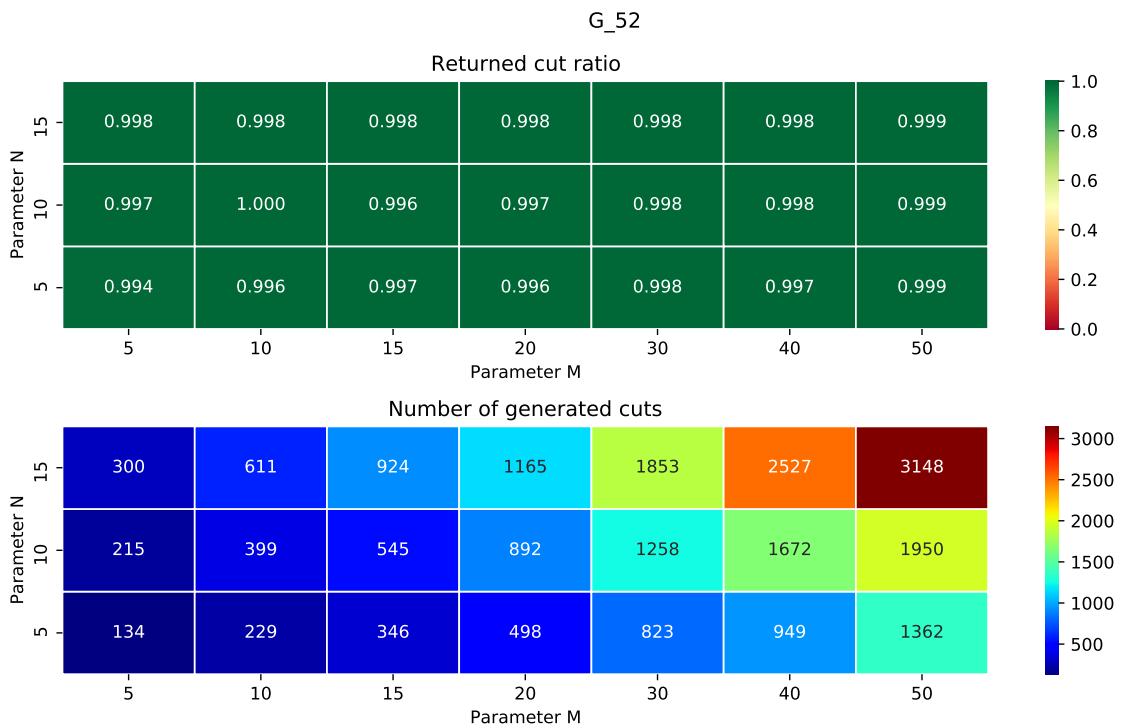


Figure 247: The top plot shows the ratio of the returned value and the highest reached value and the bottom plot shows the number of generated cuts. The optimal value is not known.

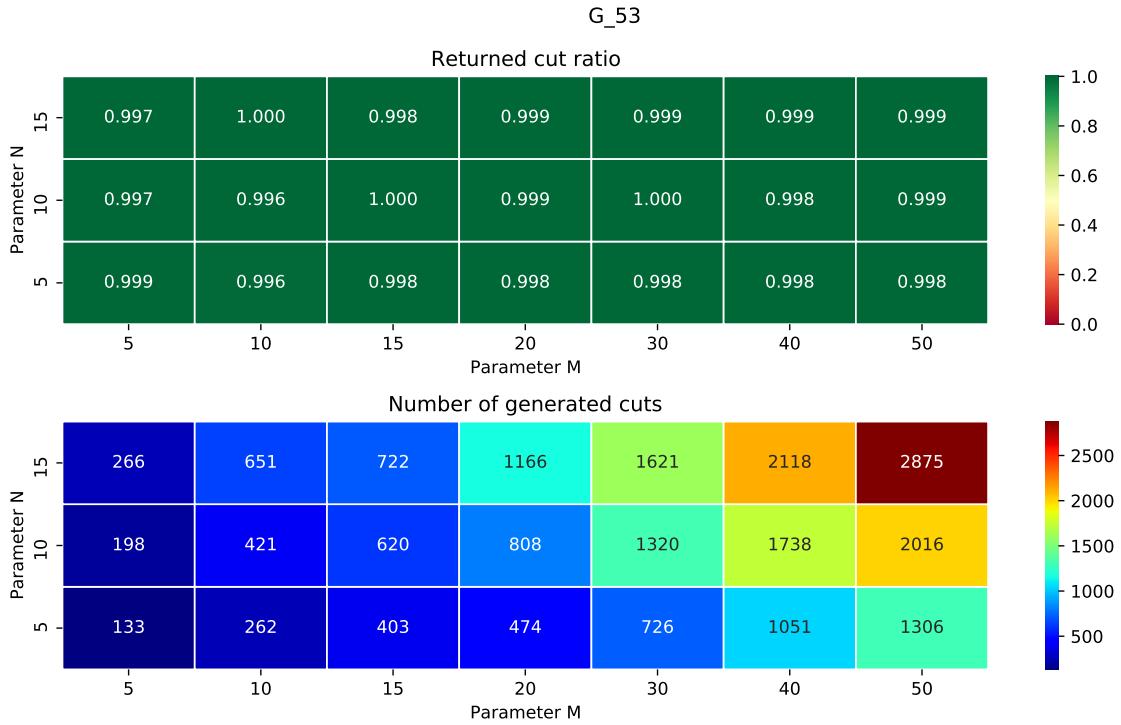


Figure 248: The top plot shows the ratio of the returned value and the highest reached value and the bottom plot shows the number of generated cuts. The optimal value is not known.

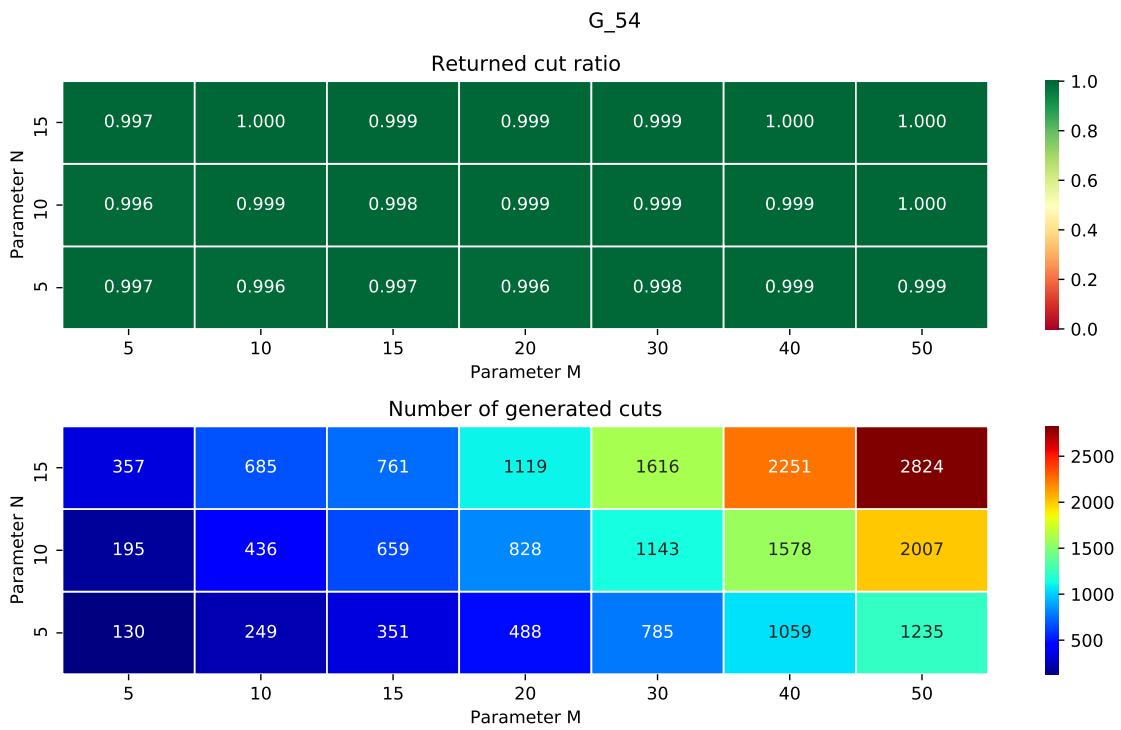


Figure 249: The top plot shows the ratio of the returned value and the highest reached value and the bottom plot shows the number of generated cuts. The optimal value is not known.

6 L

6.1 ising2.5-n_seed

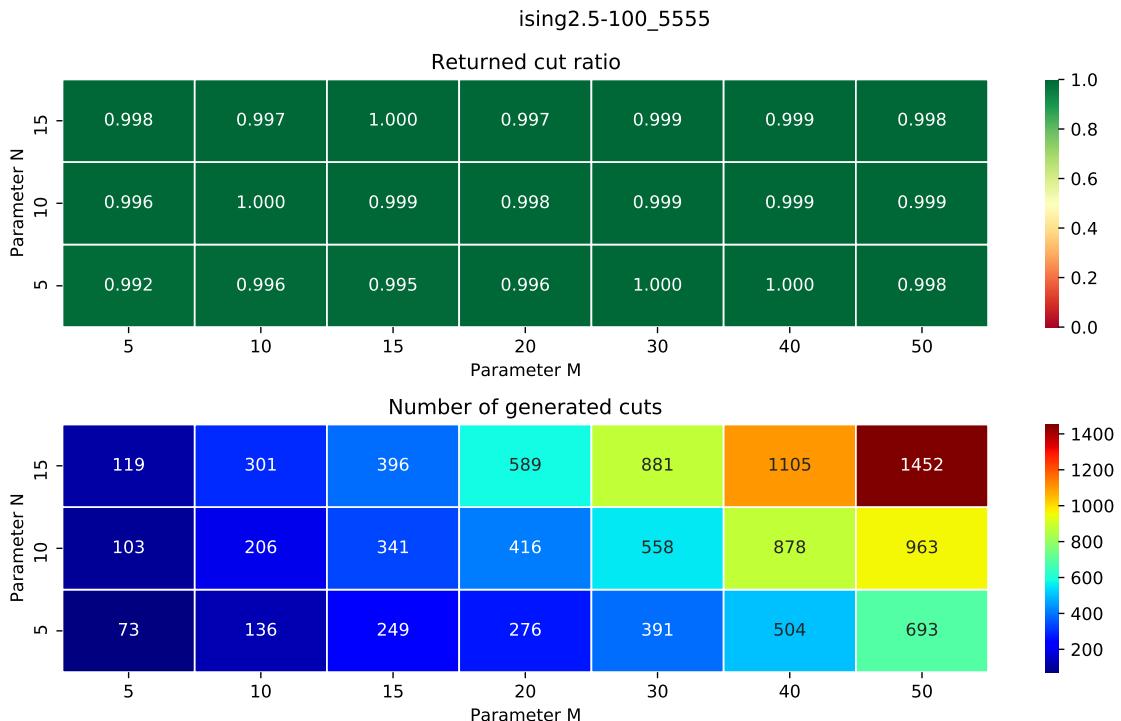


Figure 250: The top plot shows the ratio of returned value and optimal value and the bottom plot shows the number of generated cuts.

ising2.5-100_6666

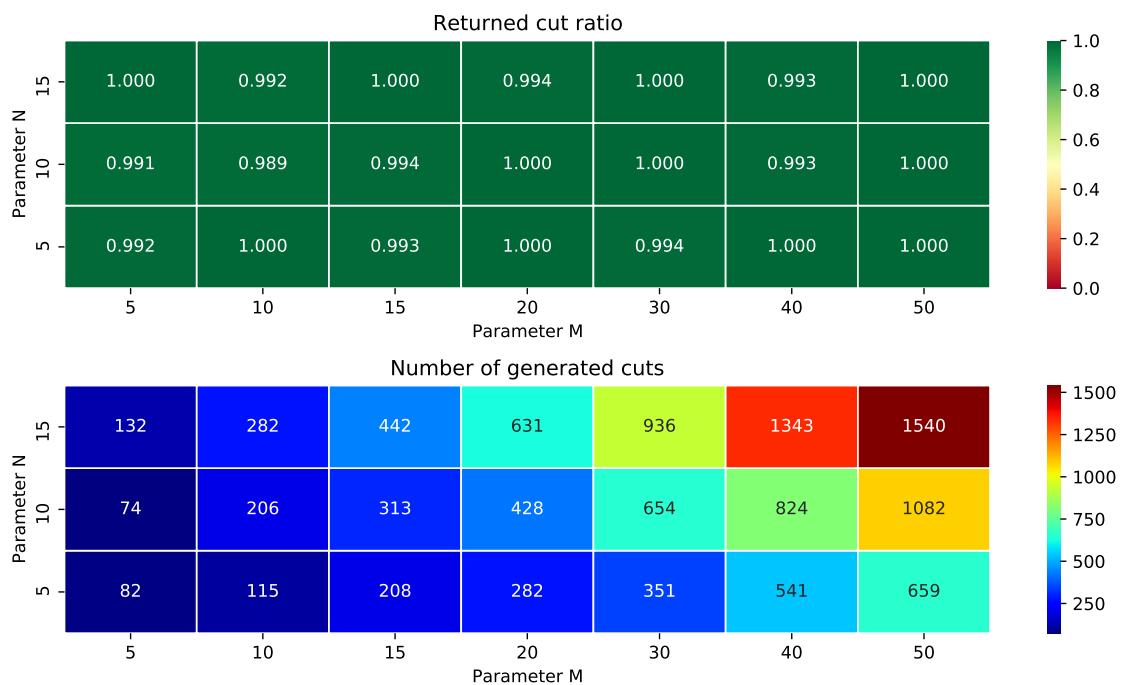


Figure 251: The top plot shows the ratio of returned value and optimal value and the bottom plot shows the number of generated cuts.

ising2.5-100_7777

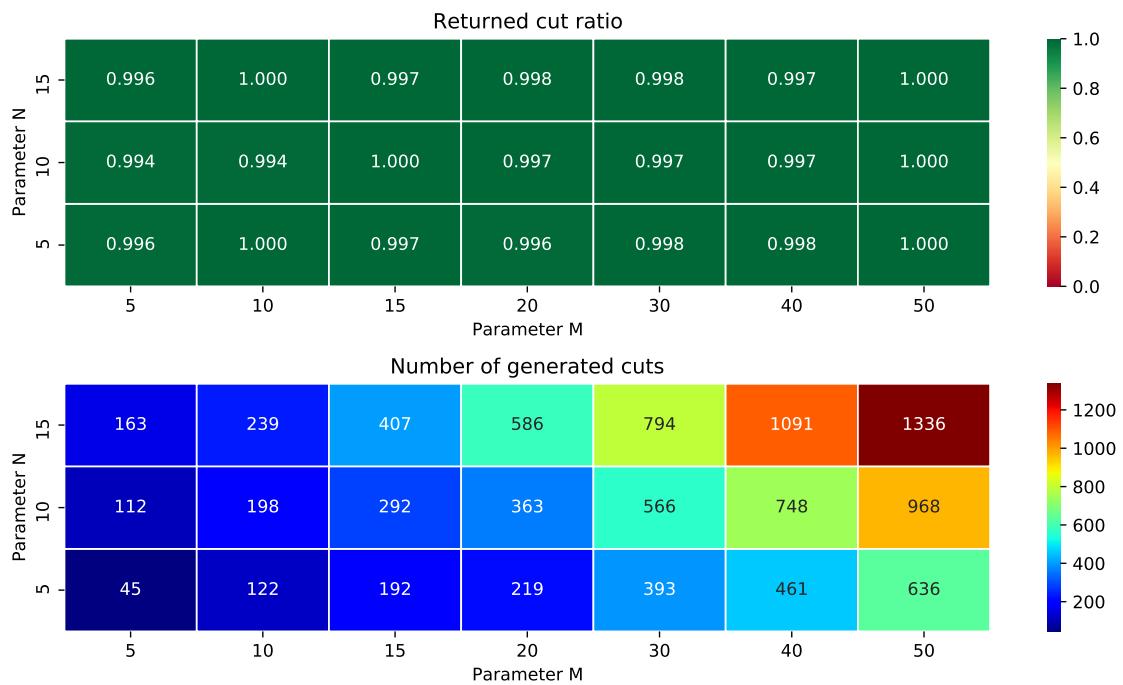


Figure 252: The top plot shows the ratio of returned value and optimal value and the bottom plot shows the number of generated cuts.

ising2.5-150_5555

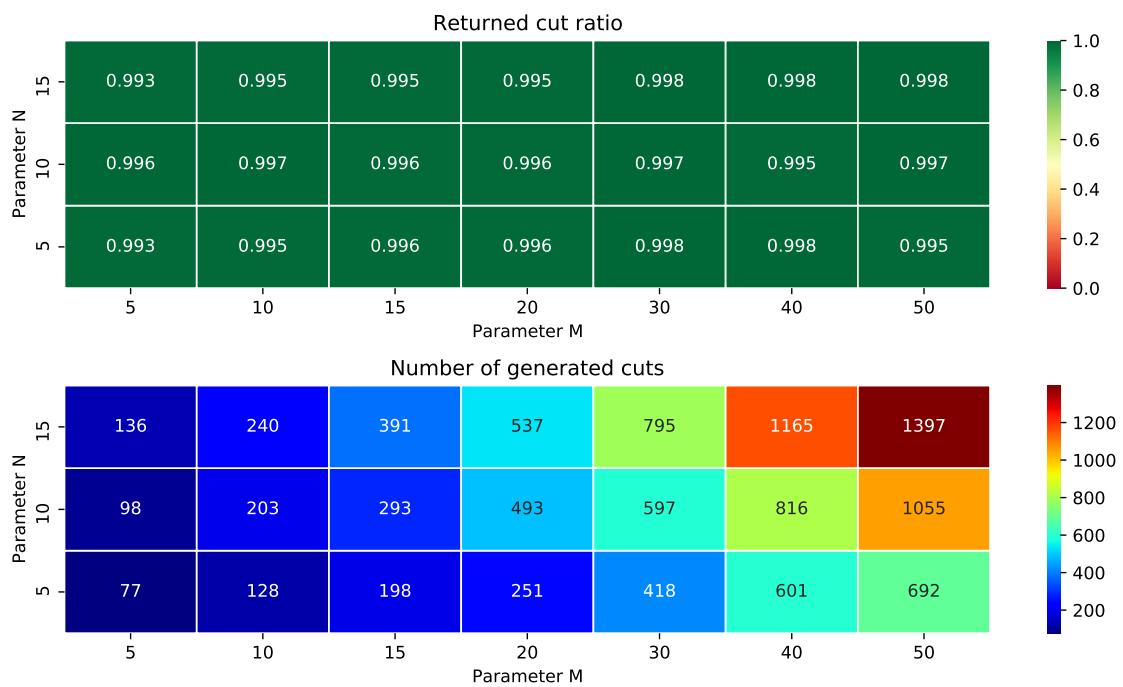


Figure 253: The top plot shows the ratio of returned value and optimal value and the bottom plot shows the number of generated cuts.

ising2.5-150_6666

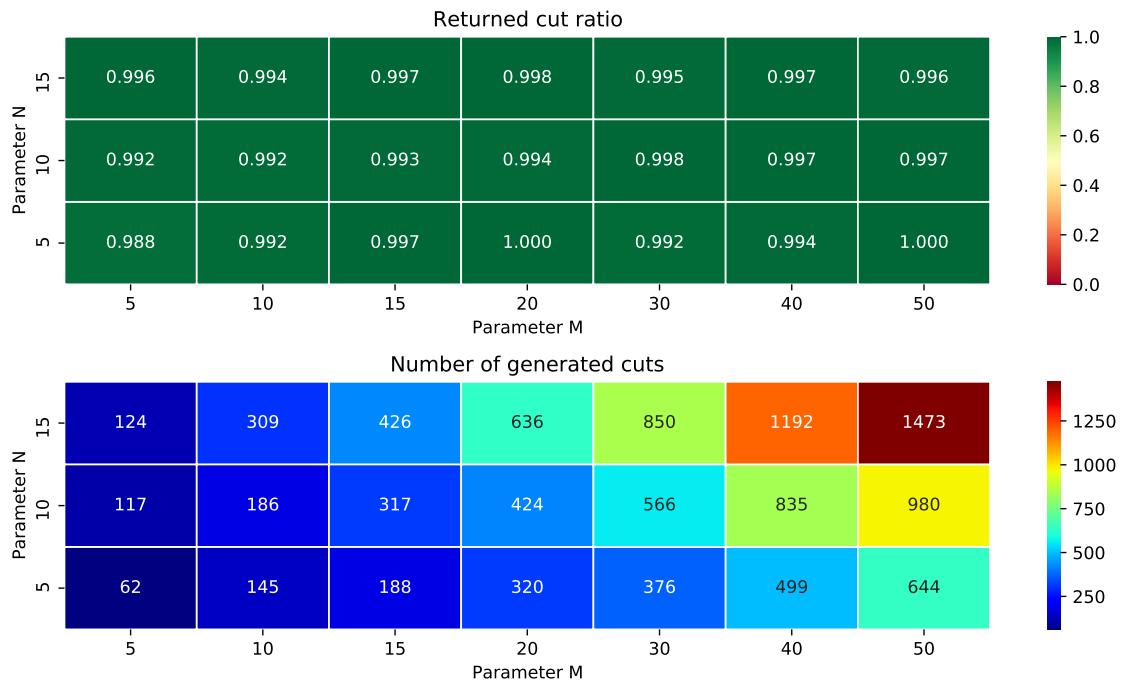


Figure 254: The top plot shows the ratio of returned value and optimal value and the bottom plot shows the number of generated cuts.

ising2.5-150_7777

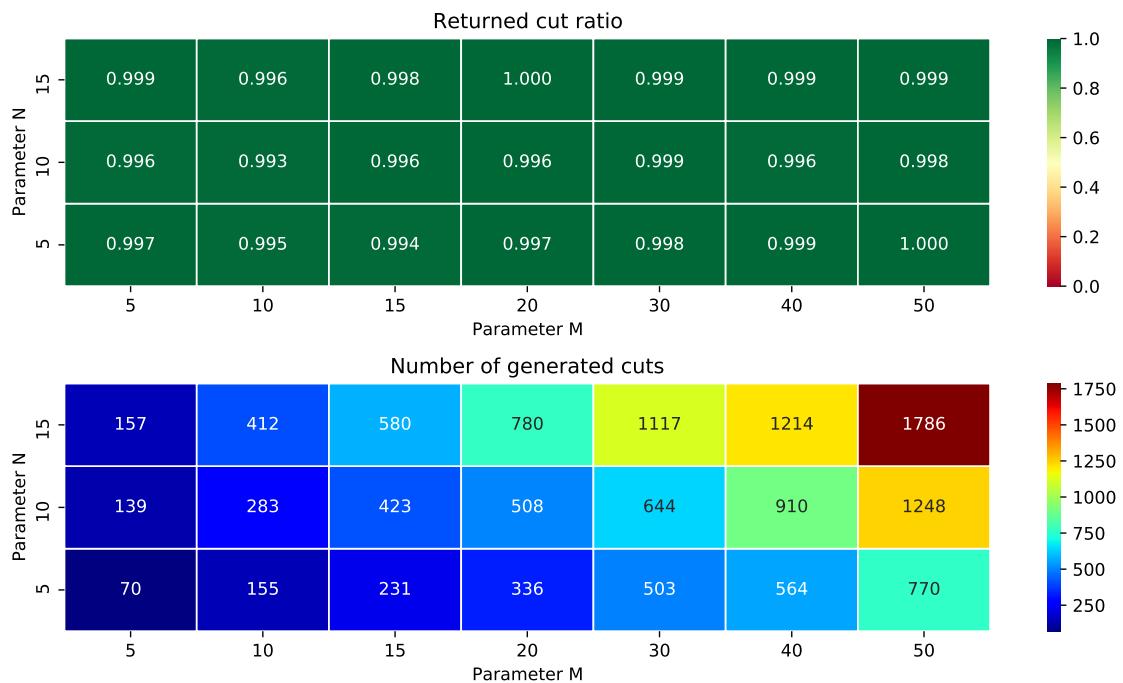


Figure 255: The top plot shows the ratio of returned value and optimal value and the bottom plot shows the number of generated cuts.

ising2.5-200_5555

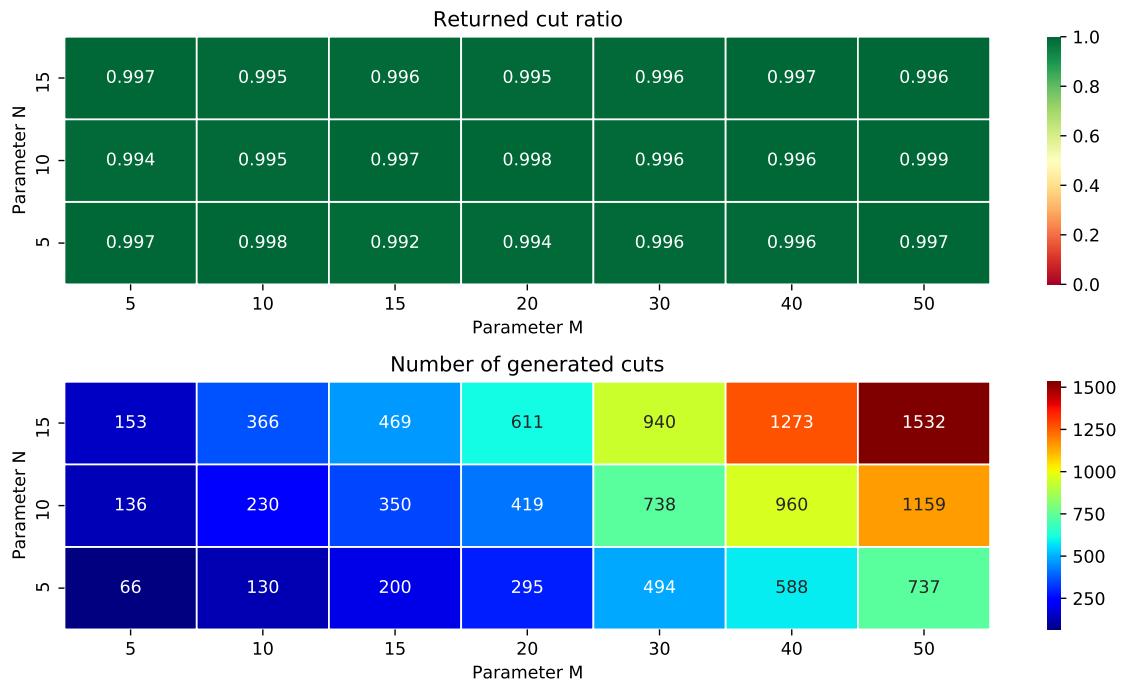


Figure 256: The top plot shows the ratio of returned value and optimal value and the bottom plot shows the number of generated cuts.

ising2.5-200_6666

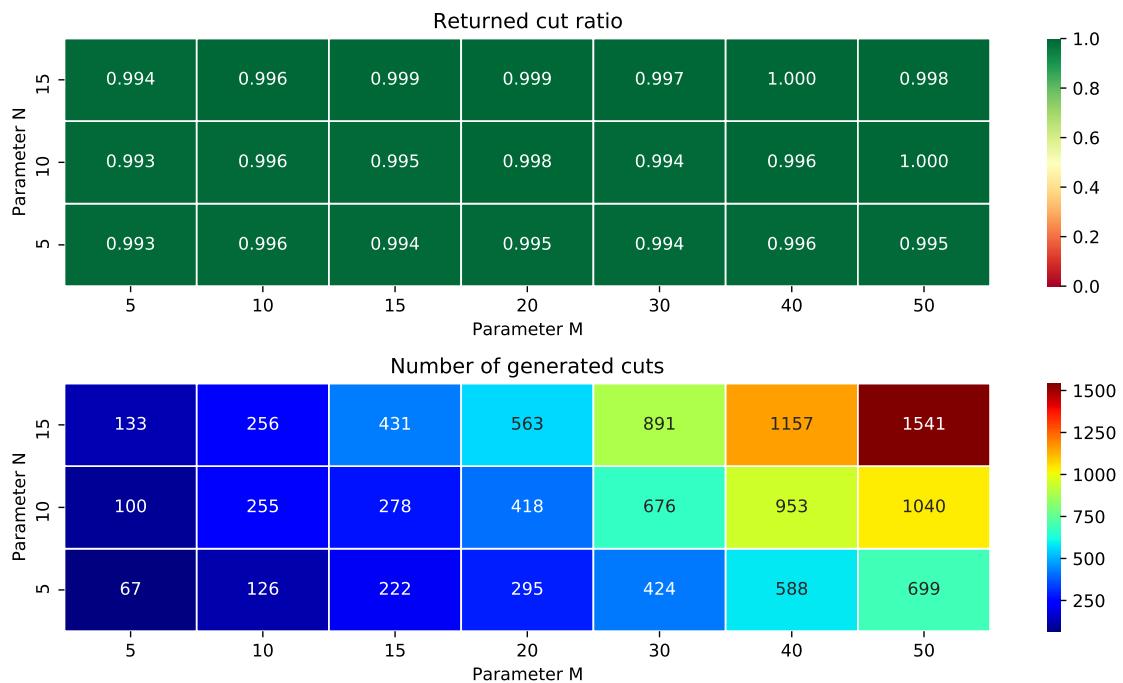


Figure 257: The top plot shows the ratio of returned value and optimal value and the bottom plot shows the number of generated cuts.

ising2.5-200_7777

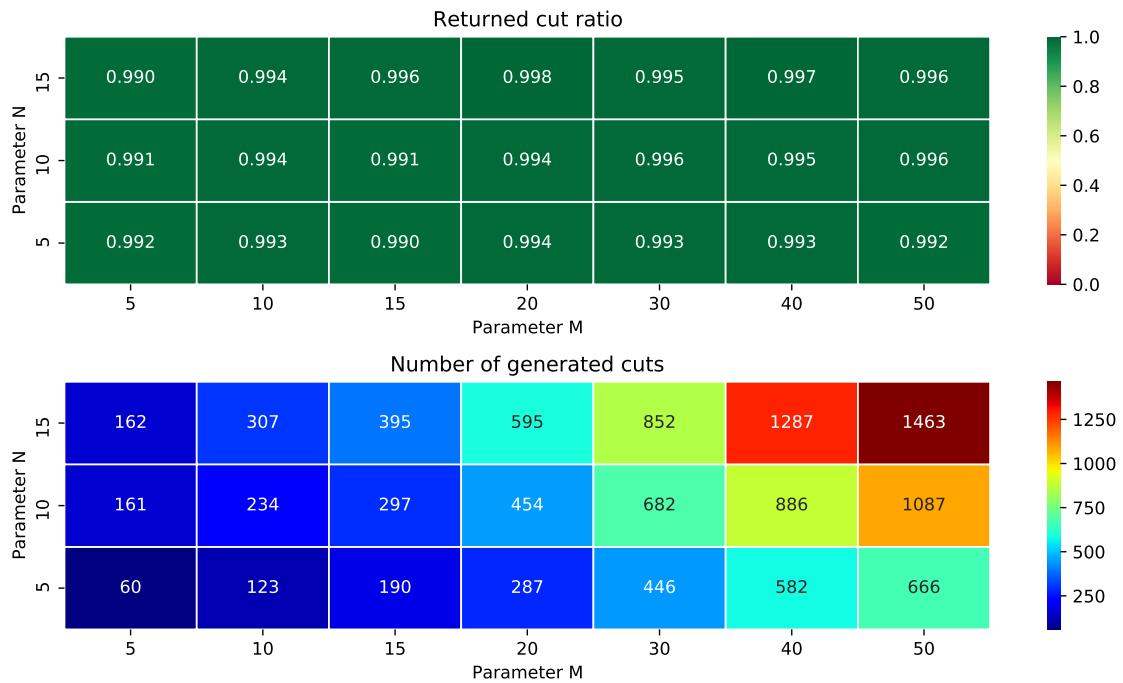


Figure 258: The top plot shows the ratio of returned value and optimal value and the bottom plot shows the number of generated cuts.

ising2.5-250_5555

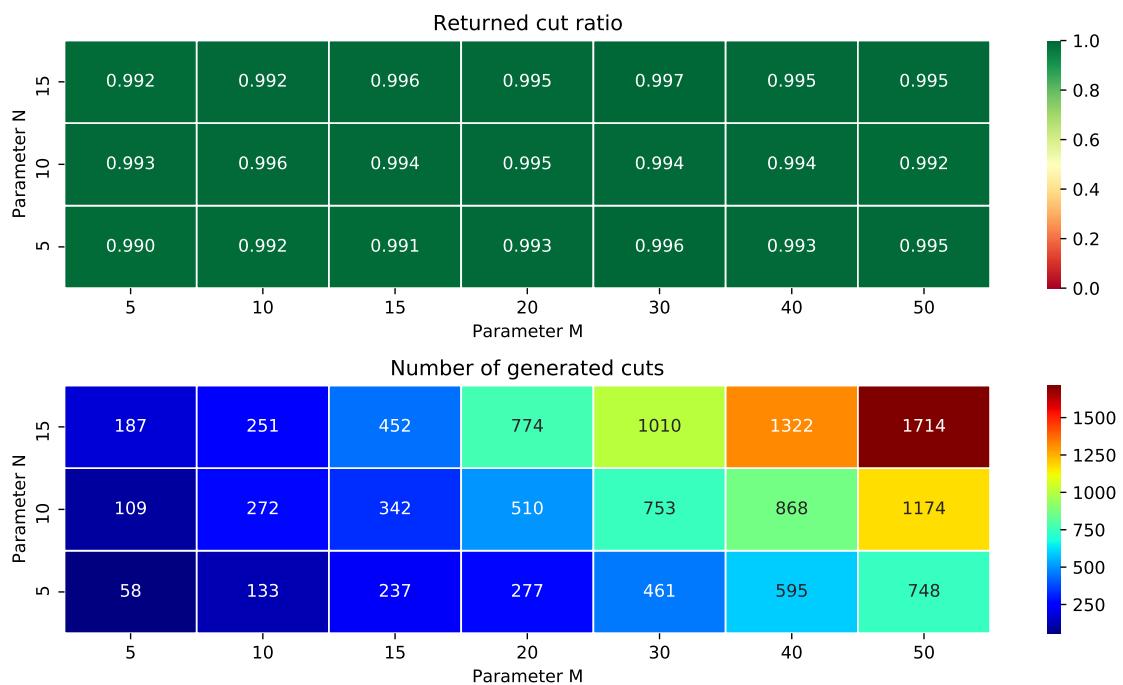


Figure 259: The top plot shows the ratio of returned value and optimal value and the bottom plot shows the number of generated cuts.

ising2.5-250_6666

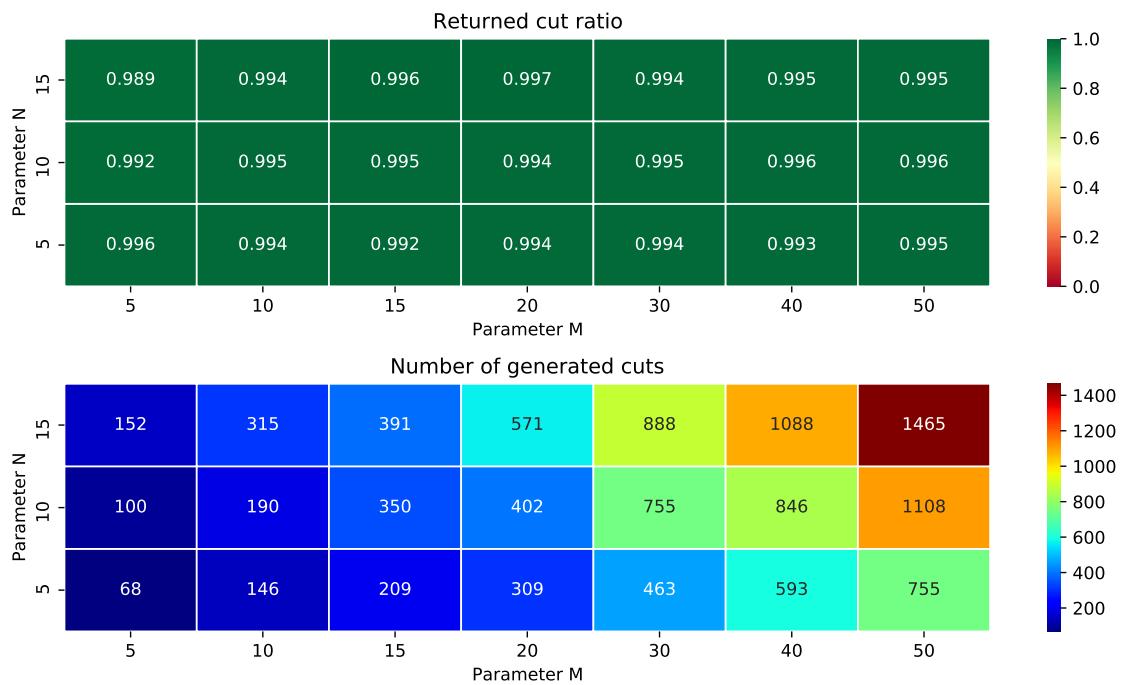


Figure 260: The top plot shows the ratio of returned value and optimal value and the bottom plot shows the number of generated cuts.

ising2.5-250_7777

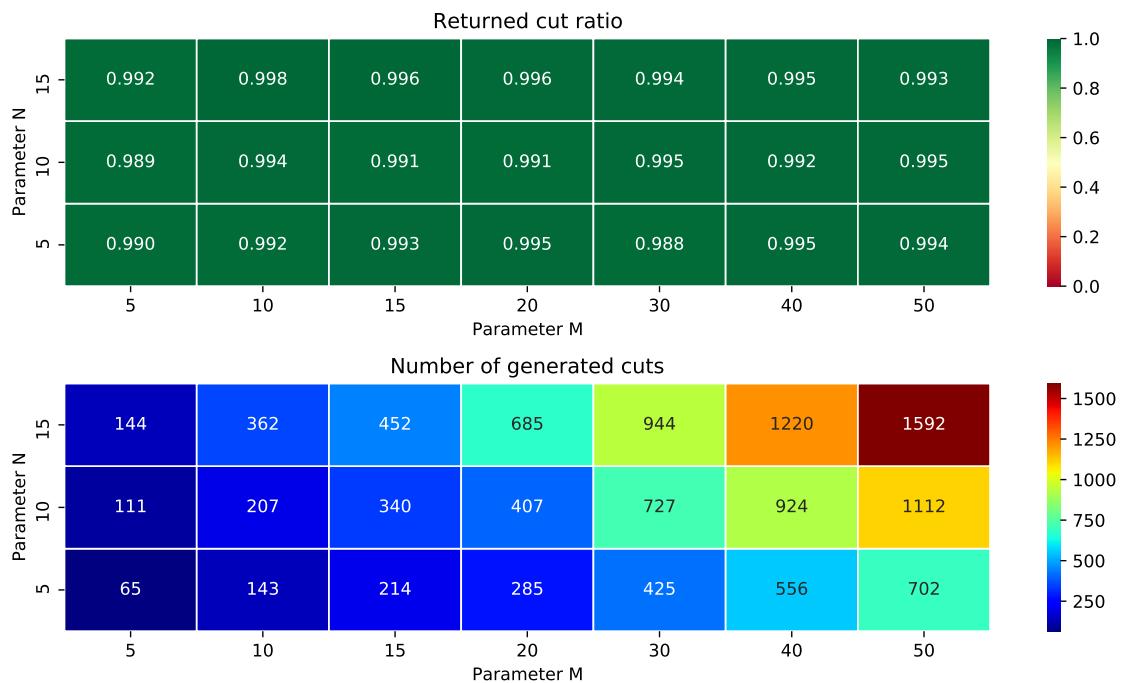


Figure 261: The top plot shows the ratio of returned value and optimal value and the bottom plot shows the number of generated cuts.

ising2.5-300_5555

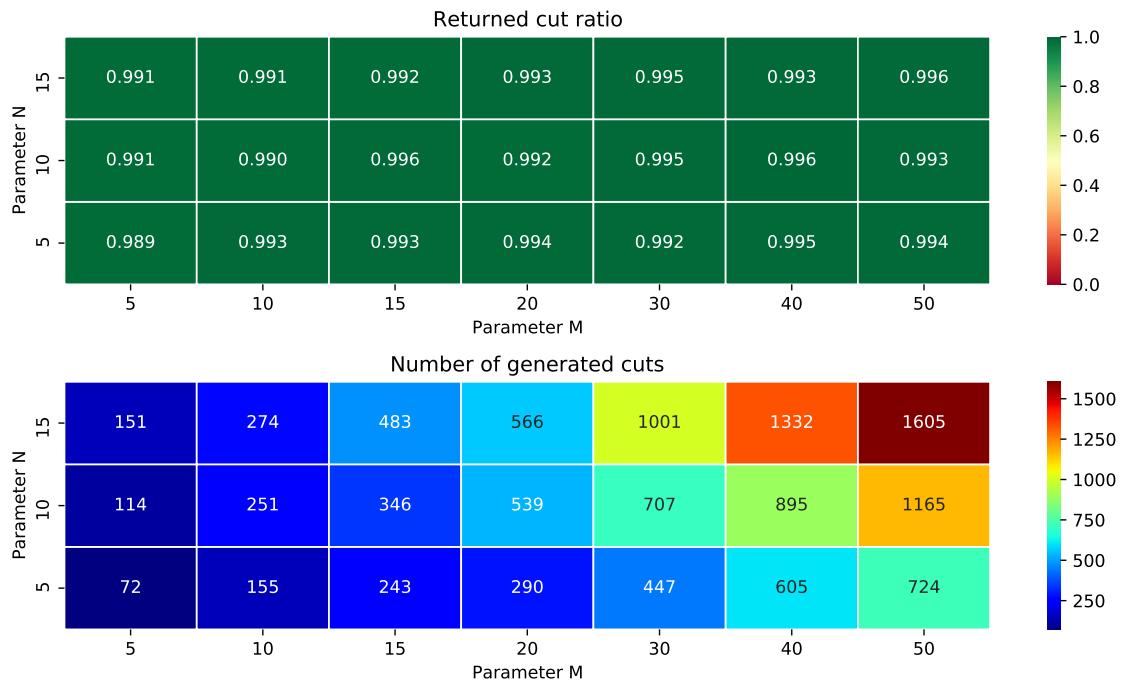


Figure 262: The top plot shows the ratio of returned value and optimal value and the bottom plot shows the number of generated cuts.

ising2.5-300_6666

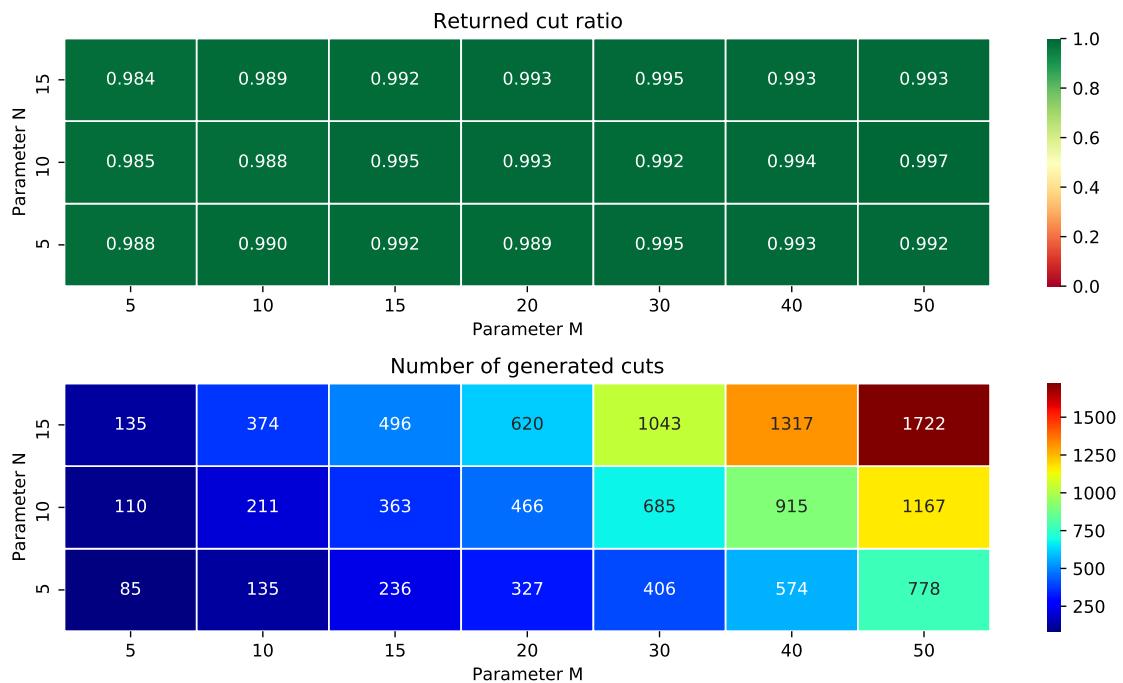


Figure 263: The top plot shows the ratio of returned value and optimal value and the bottom plot shows the number of generated cuts.

ising2.5-300_7777

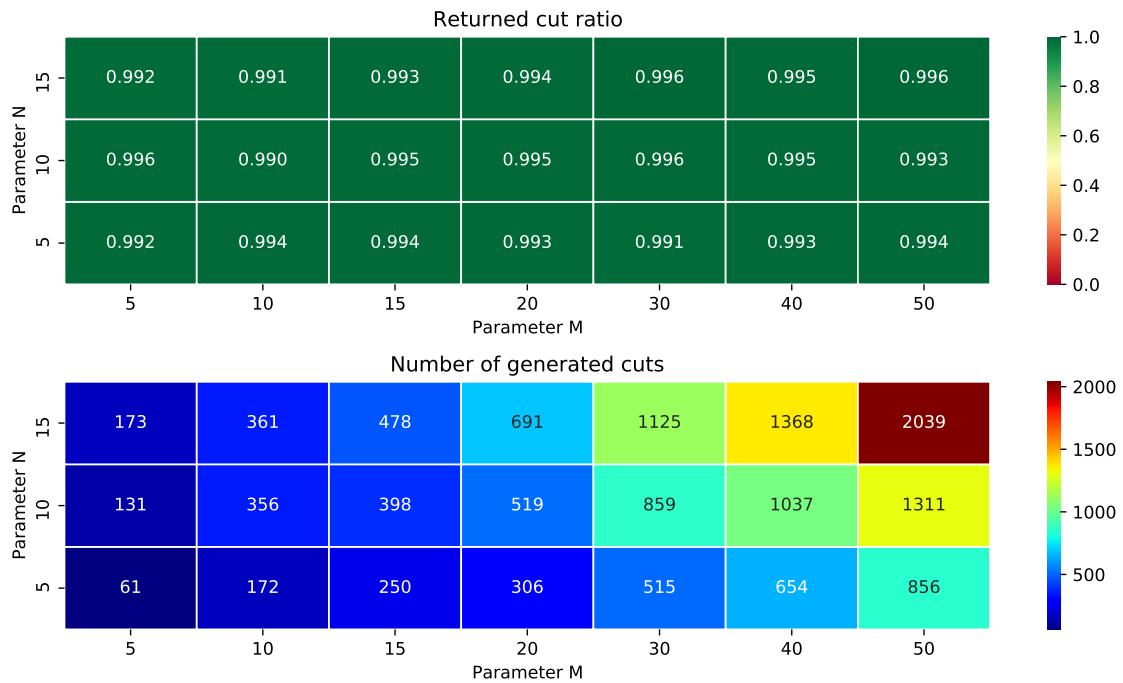


Figure 264: The top plot shows the ratio of returned value and optimal value and the bottom plot shows the number of generated cuts.

6.2 ising3.0-n_seed

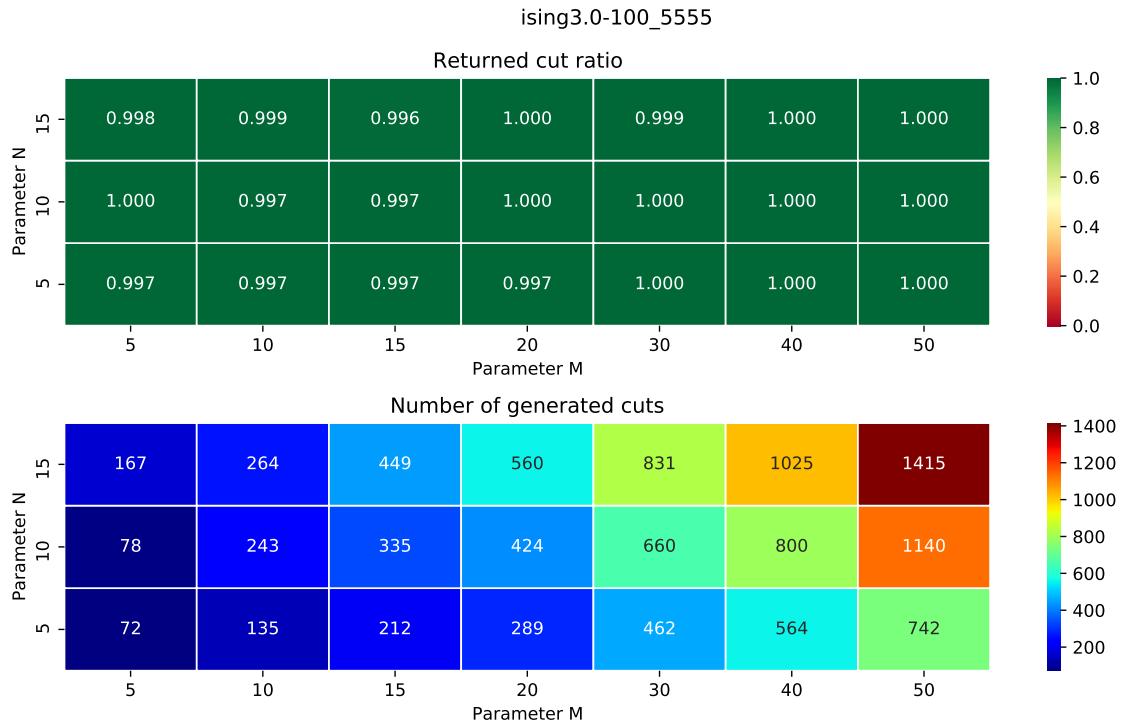


Figure 265: The top plot shows the ratio of returned value and optimal value and the bottom plot shows the number of generated cuts.

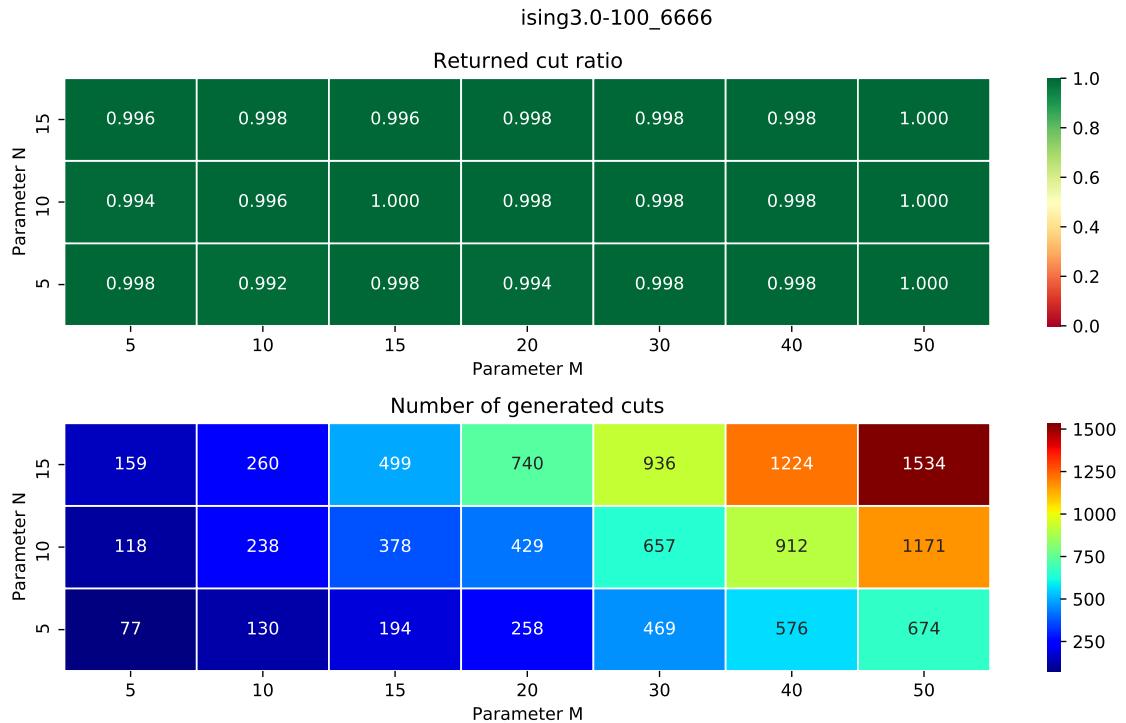


Figure 266: The top plot shows the ratio of returned value and optimal value and the bottom plot shows the number of generated cuts.

ising3.0-100_7777

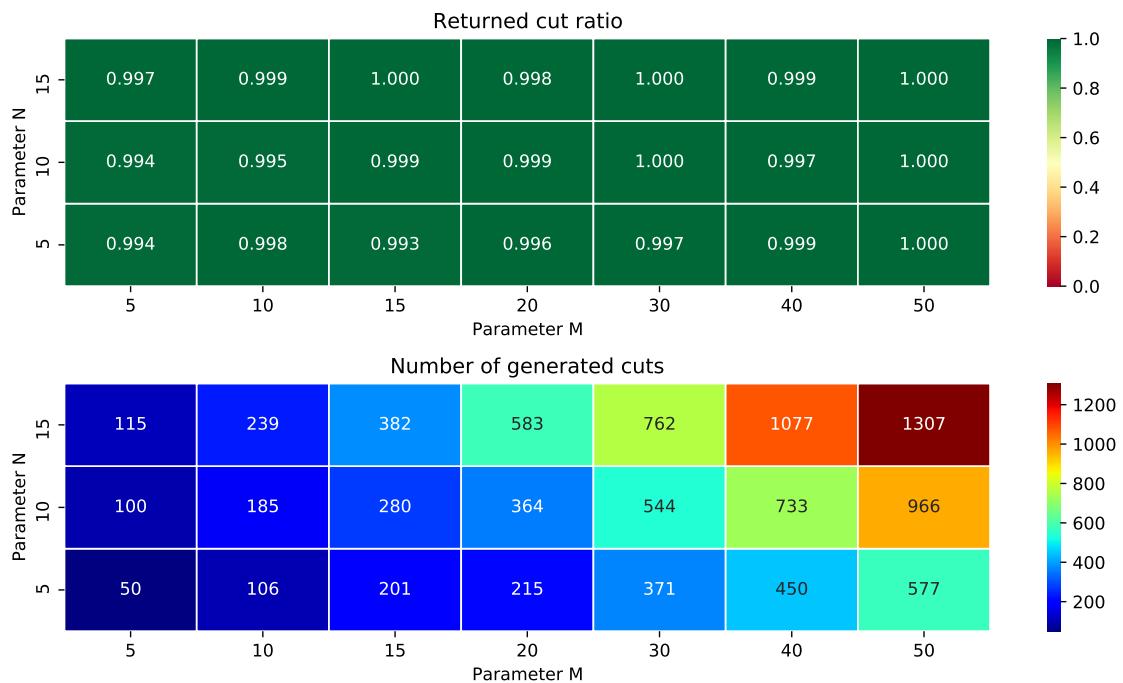


Figure 267: The top plot shows the ratio of returned value and optimal value and the bottom plot shows the number of generated cuts.

ising3.0-150_5555

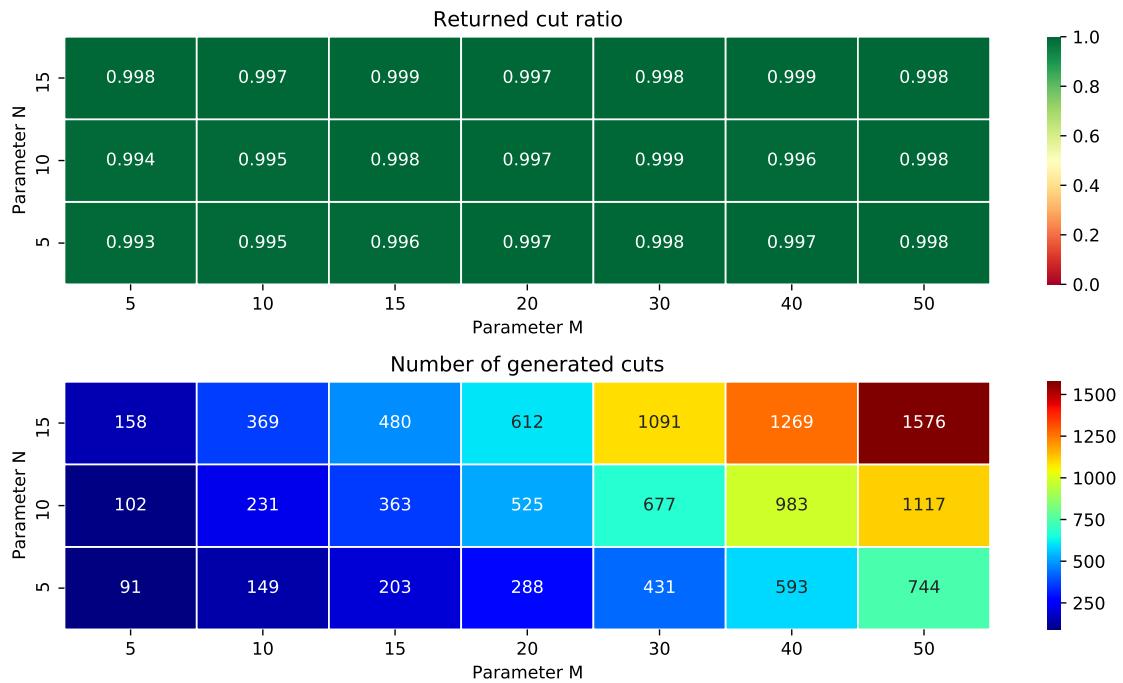


Figure 268: The top plot shows the ratio of returned value and optimal value and the bottom plot shows the number of generated cuts.

ising3.0-150_6666

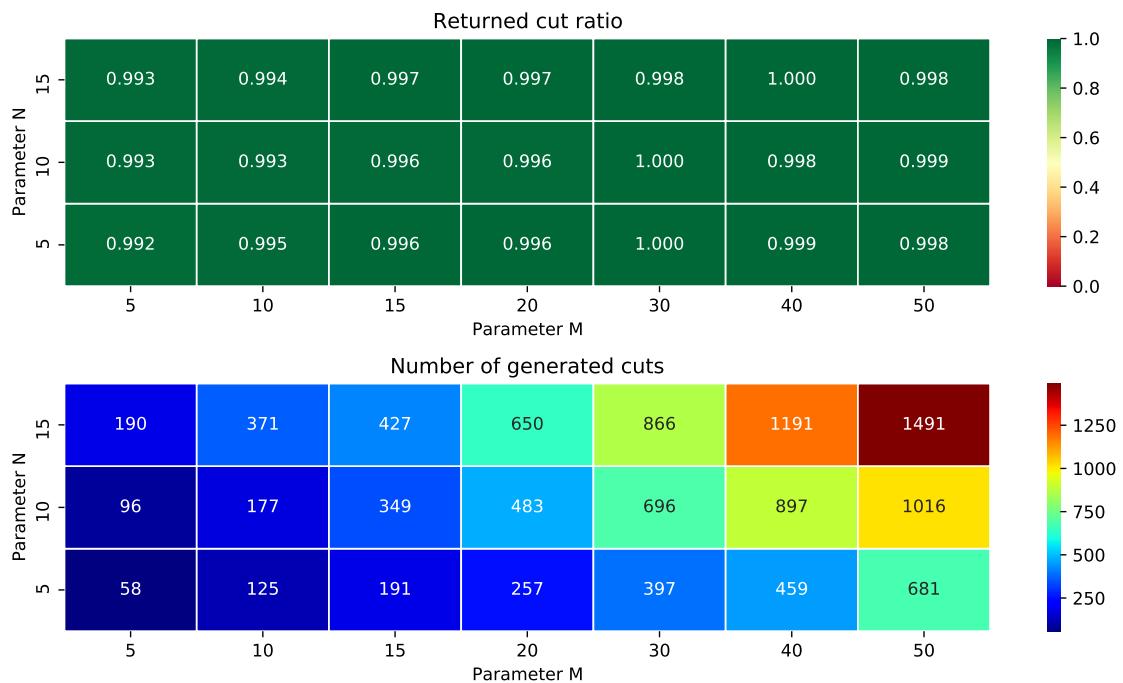


Figure 269: The top plot shows the ratio of returned value and optimal value and the bottom plot shows the number of generated cuts.

ising3.0-150_7777

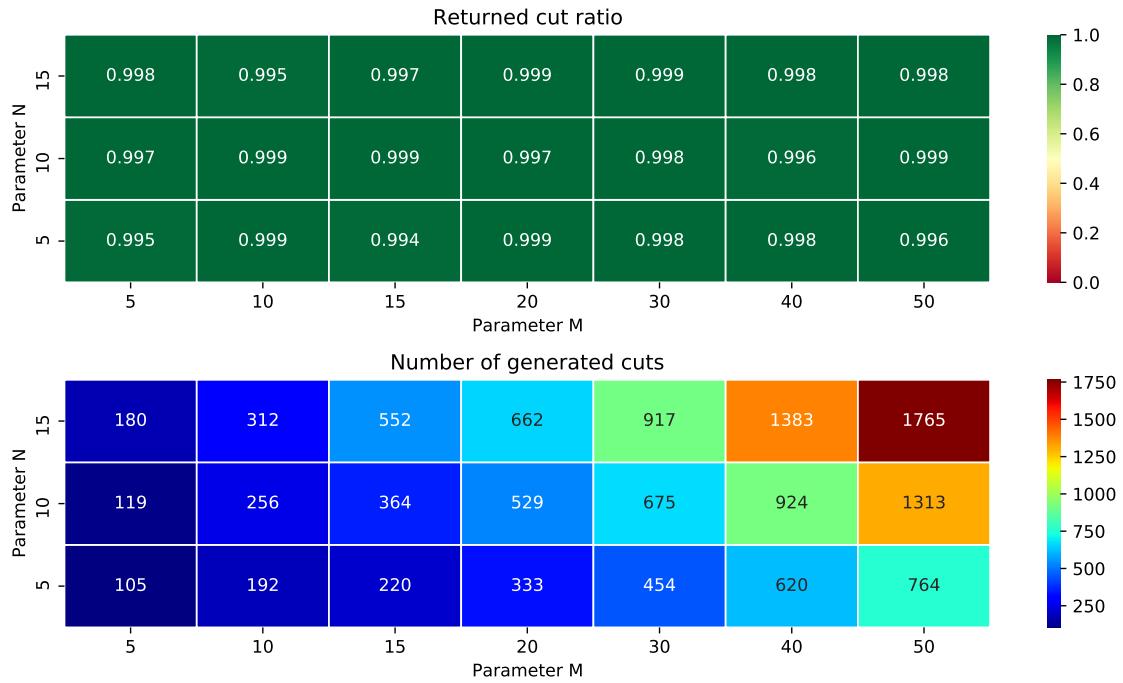


Figure 270: The top plot shows the ratio of returned value and optimal value and the bottom plot shows the number of generated cuts.

ising3.0-200_5555

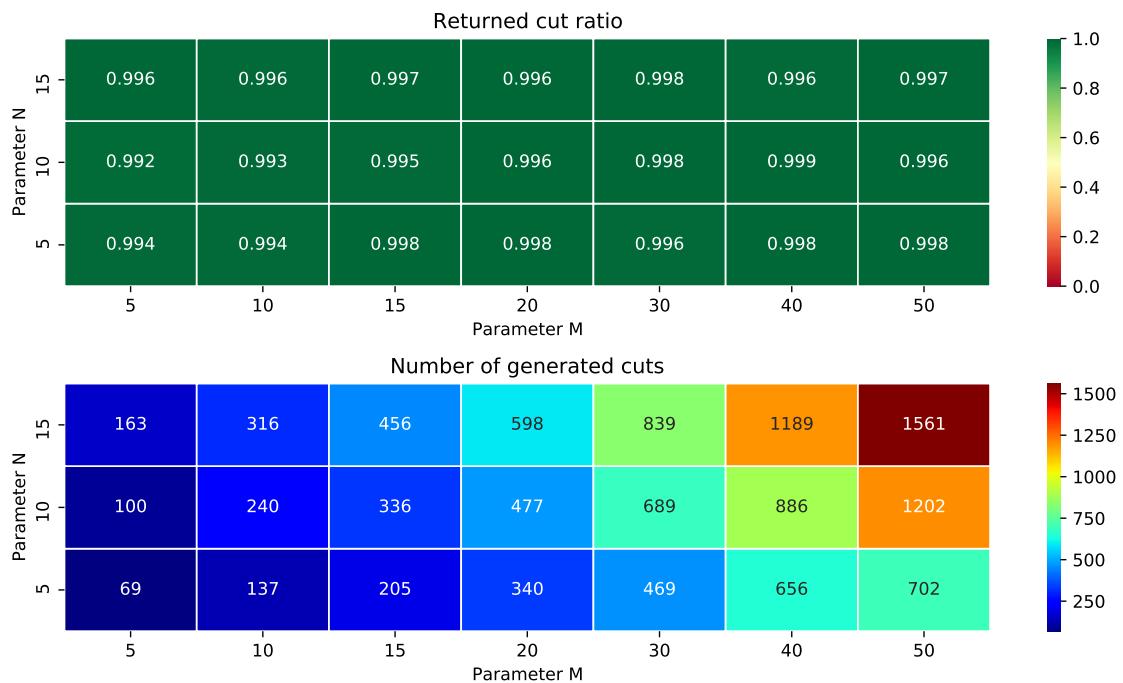


Figure 271: The top plot shows the ratio of returned value and optimal value and the bottom plot shows the number of generated cuts.

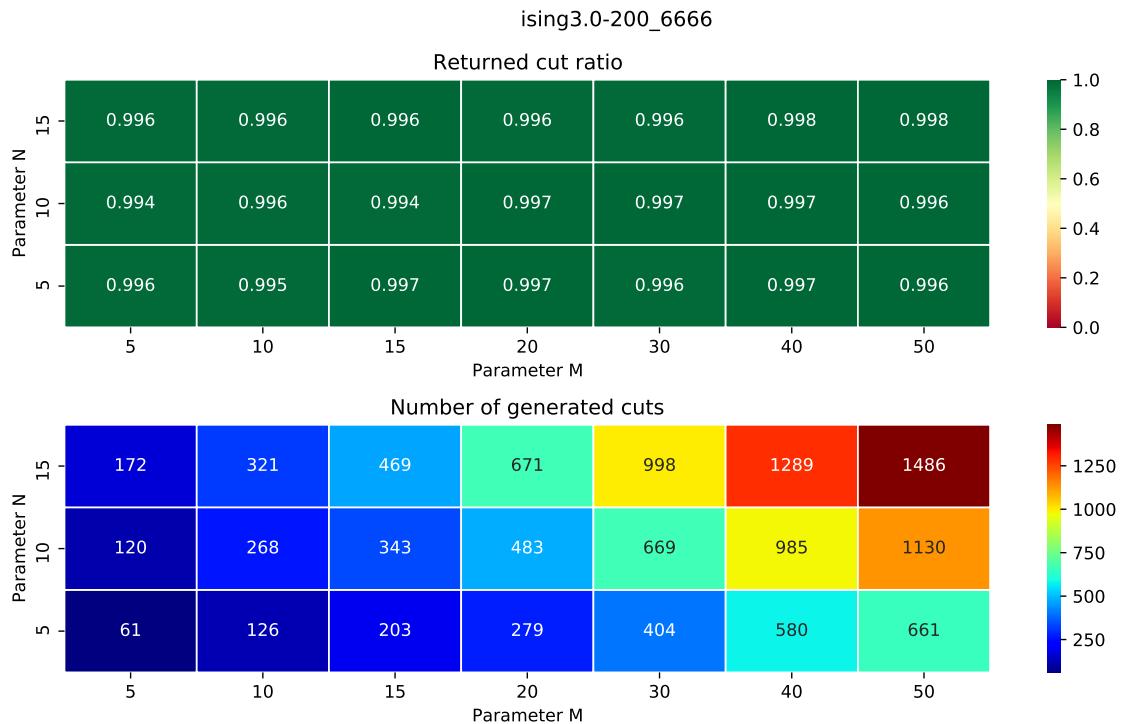


Figure 272: The top plot shows the ratio of returned value and optimal value and the bottom plot shows the number of generated cuts.

ising3.0-200_7777

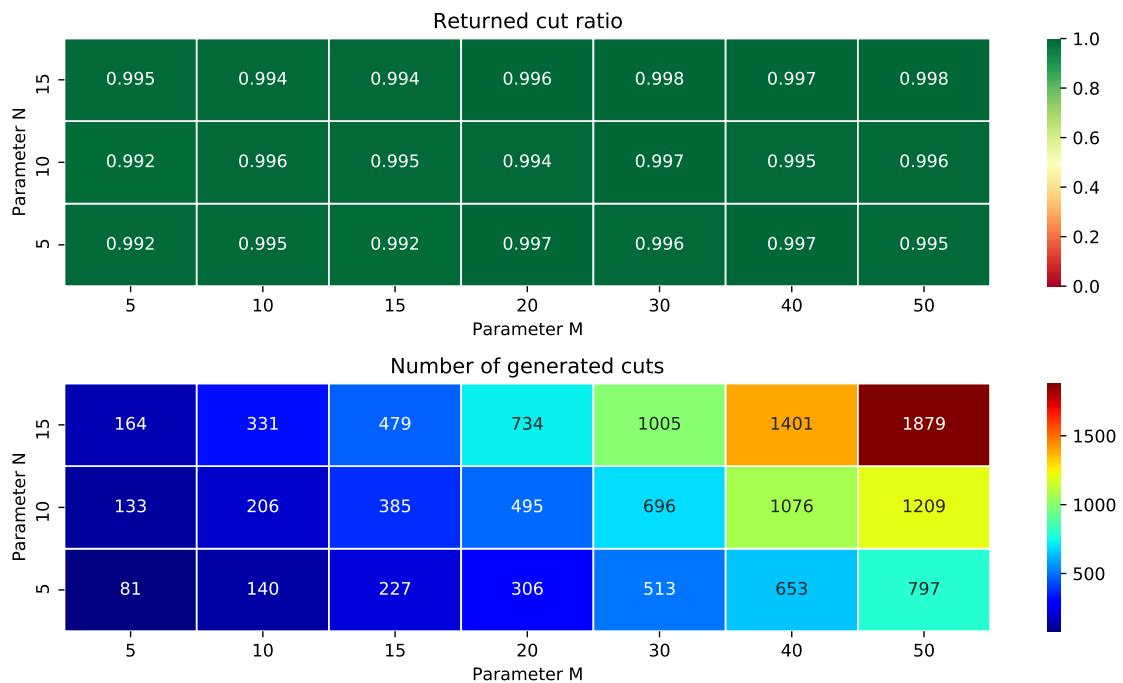


Figure 273: The top plot shows the ratio of returned value and optimal value and the bottom plot shows the number of generated cuts.

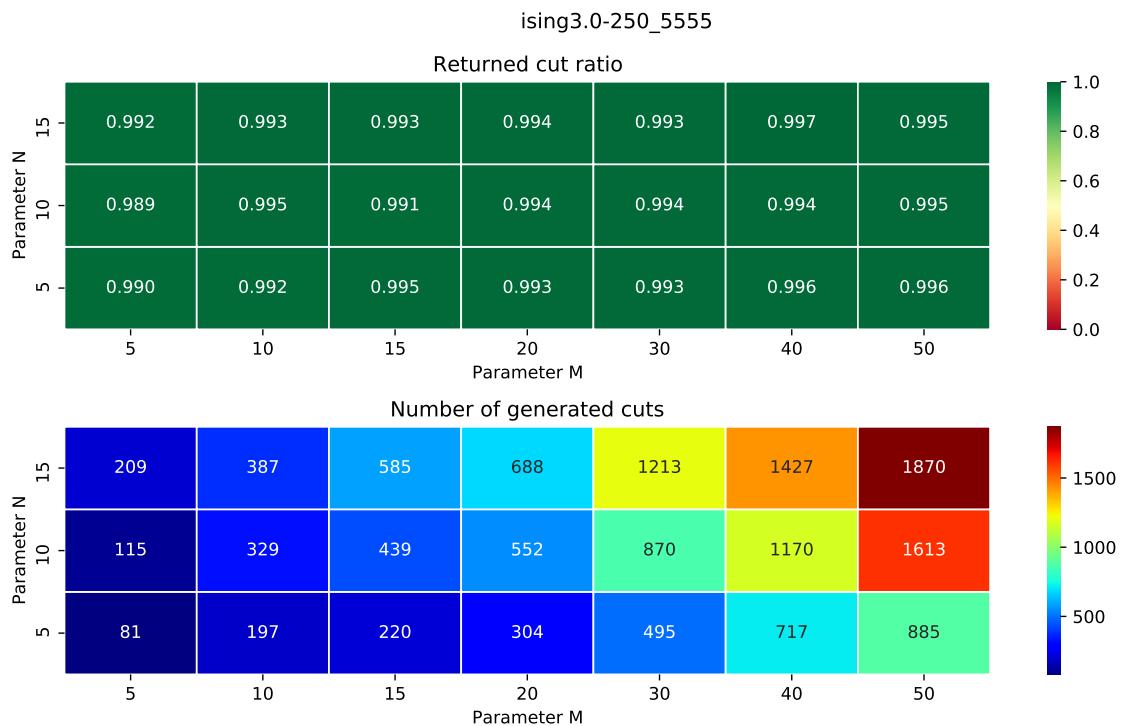


Figure 274: The top plot shows the ratio of returned value and optimal value and the bottom plot shows the number of generated cuts.

ising3.0-250_6666

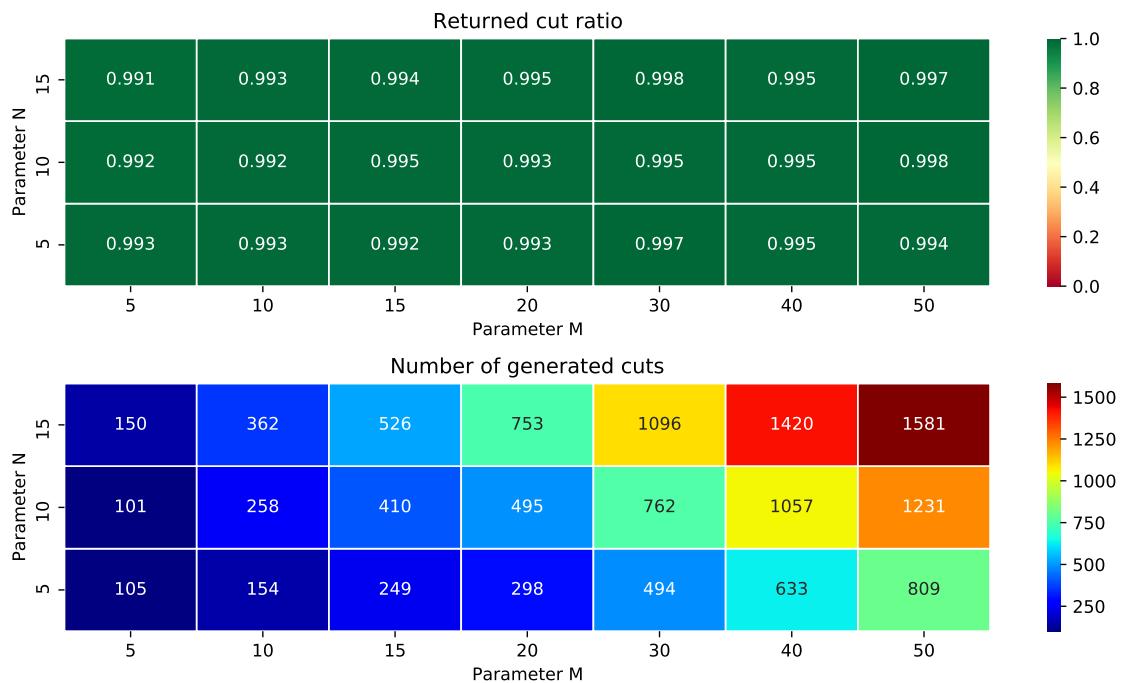


Figure 275: The top plot shows the ratio of returned value and optimal value and the bottom plot shows the number of generated cuts.

ising3.0-250_7777

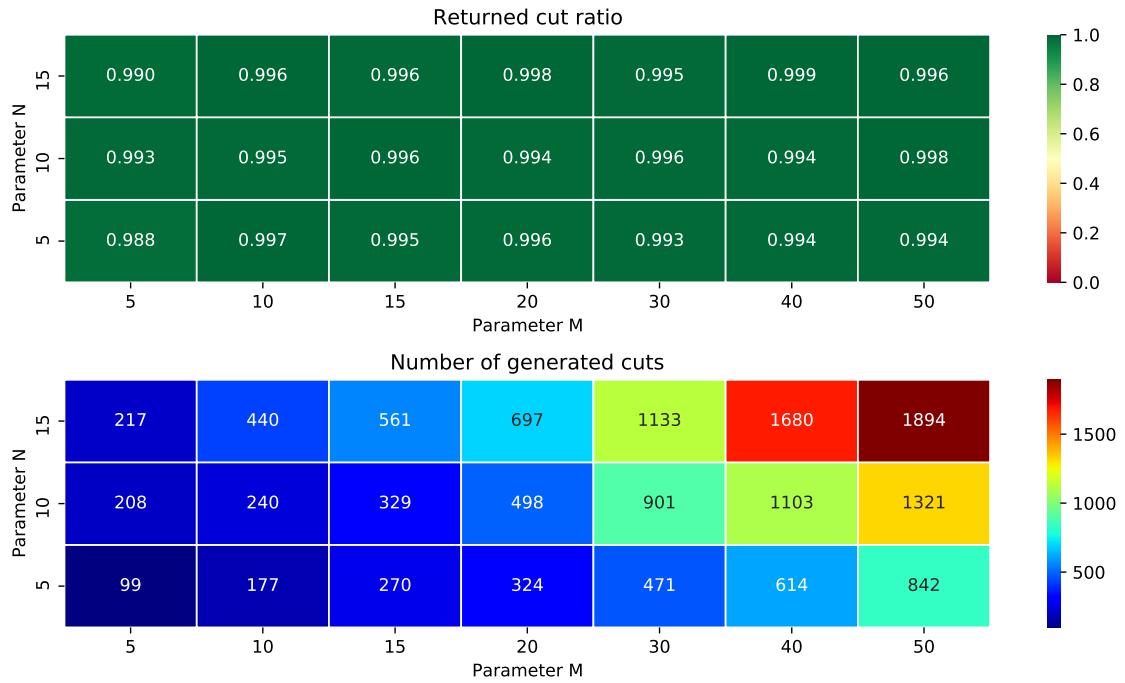


Figure 276: The top plot shows the ratio of returned value and optimal value and the bottom plot shows the number of generated cuts.

ising3.0-300_5555

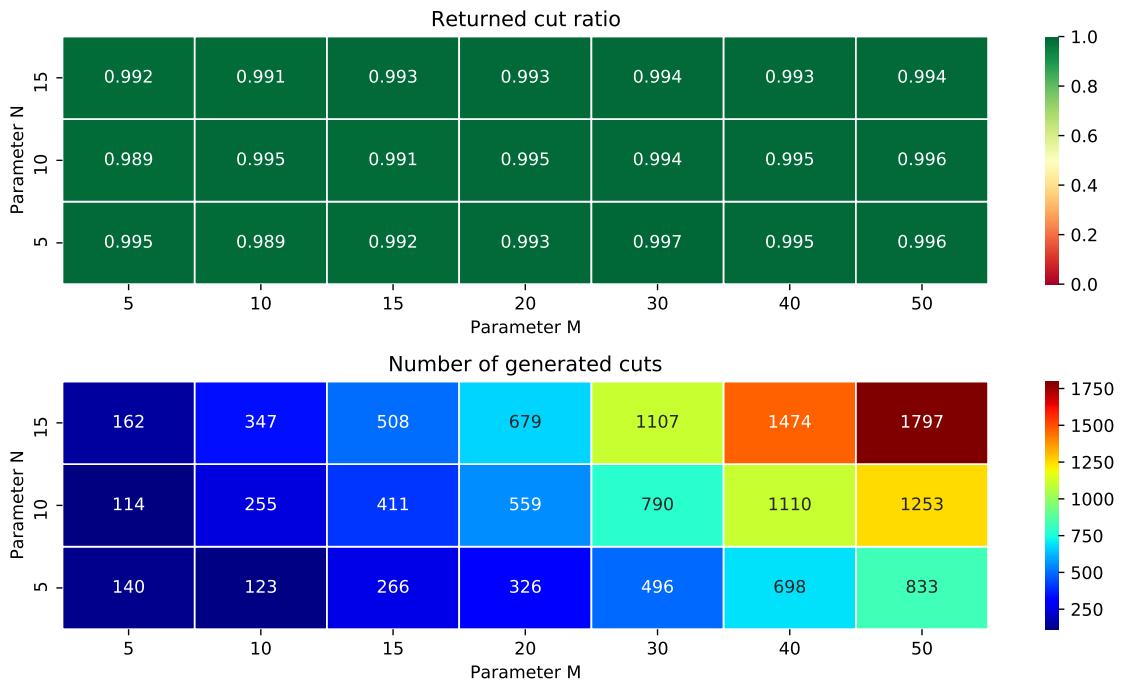


Figure 277: The top plot shows the ratio of returned value and optimal value and the bottom plot shows the number of generated cuts.

ising3.0-300_6666

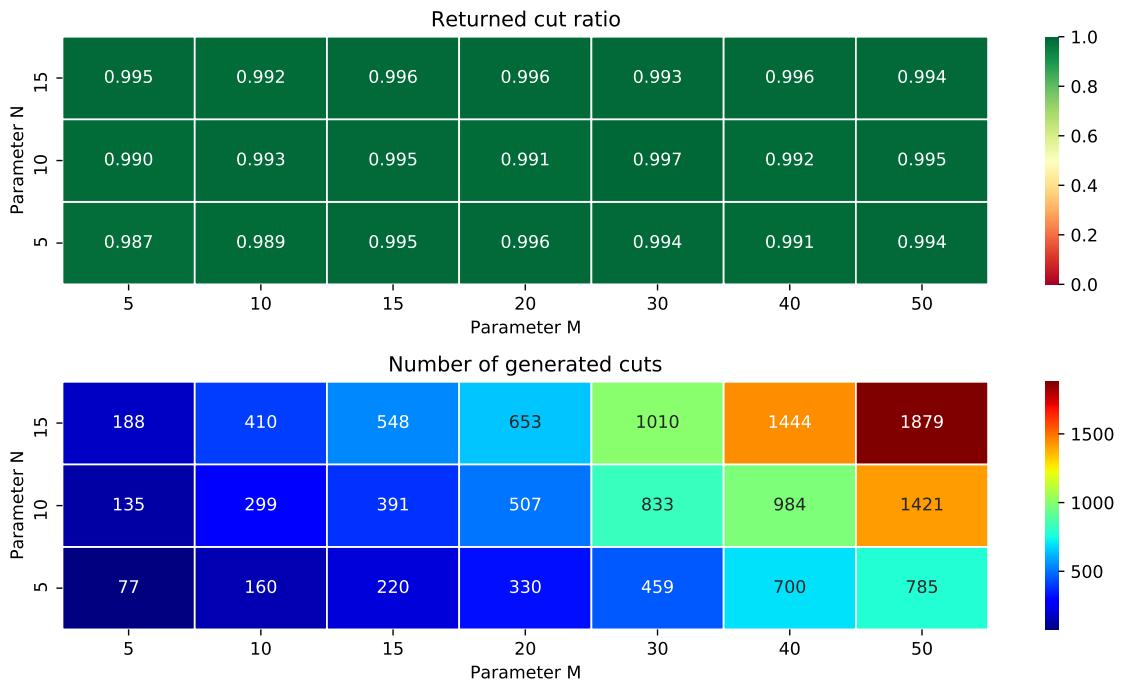


Figure 278: The top plot shows the ratio of returned value and optimal value and the bottom plot shows the number of generated cuts.

ising3.0-300_7777

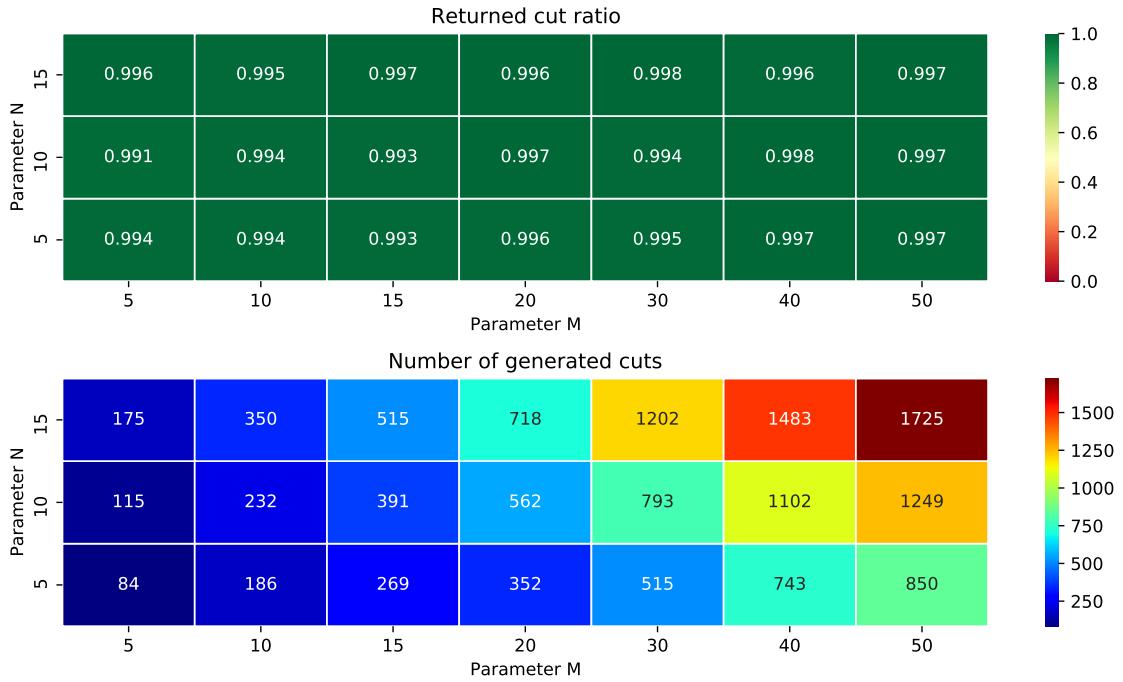


Figure 279: The top plot shows the ratio of returned value and optimal value and the bottom plot shows the number of generated cuts.

6.3 t2gn_seed

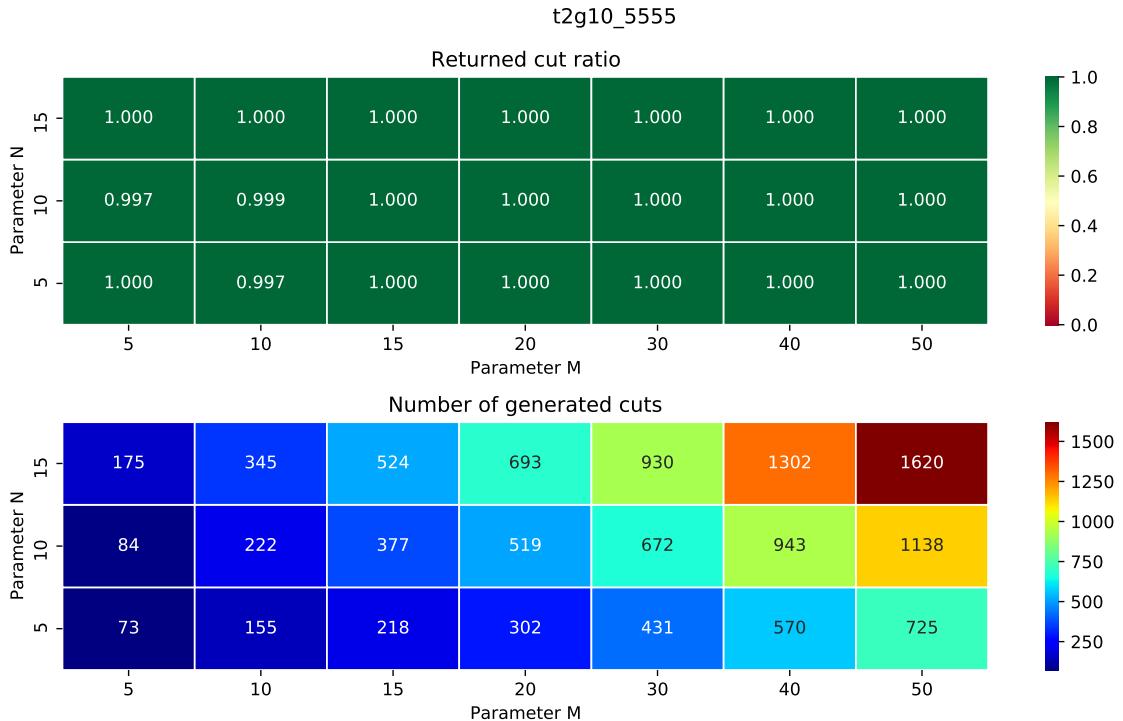


Figure 280: The top plot shows the ratio of returned value and optimal value and the bottom plot shows the number of generated cuts.

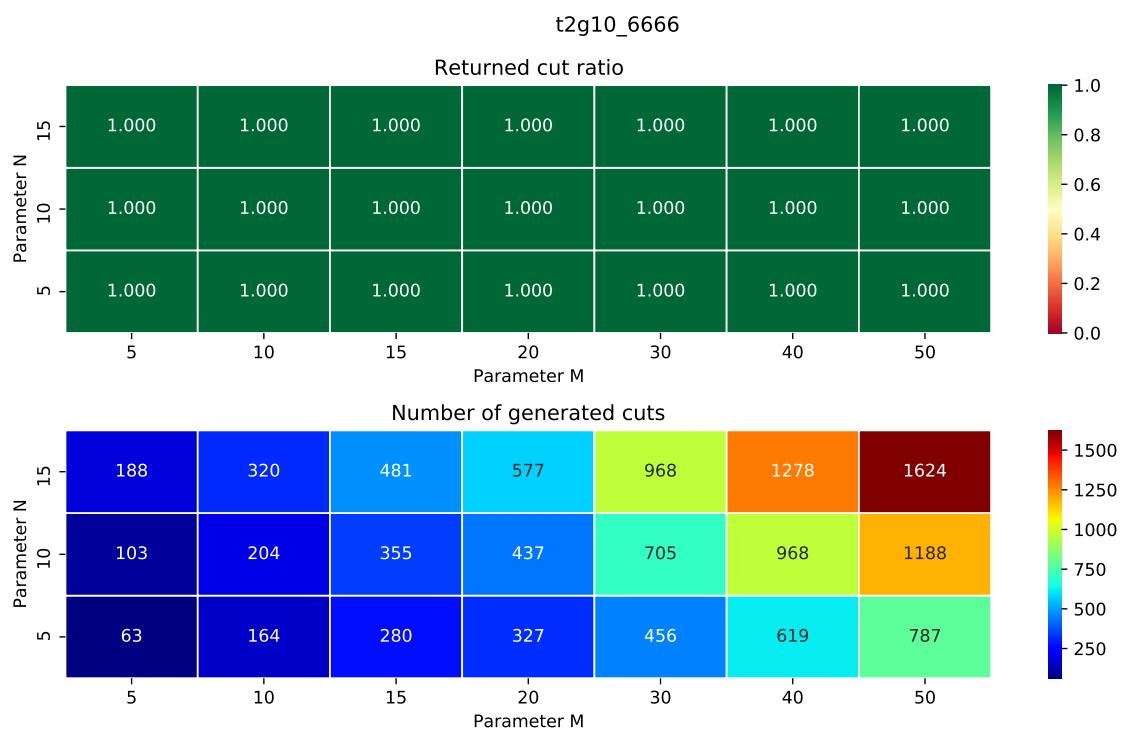


Figure 281: The top plot shows the ratio of returned value and optimal value and the bottom plot shows the number of generated cuts.

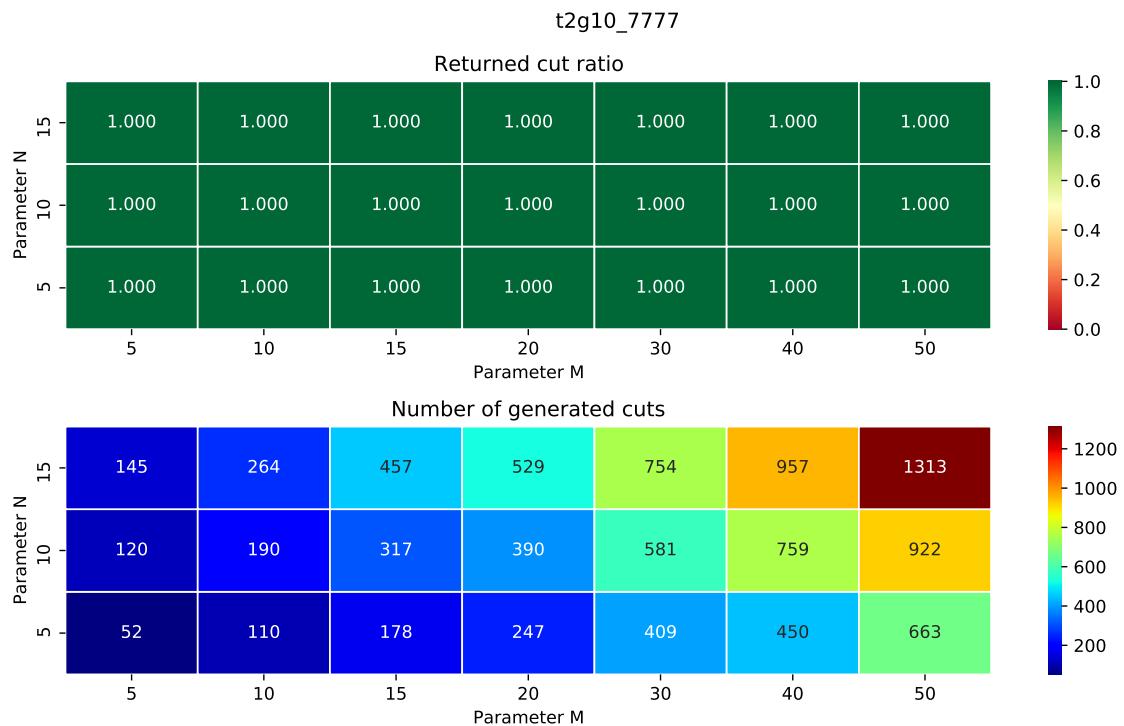


Figure 282: The top plot shows the ratio of returned value and optimal value and the bottom plot shows the number of generated cuts.

t2g15_5555

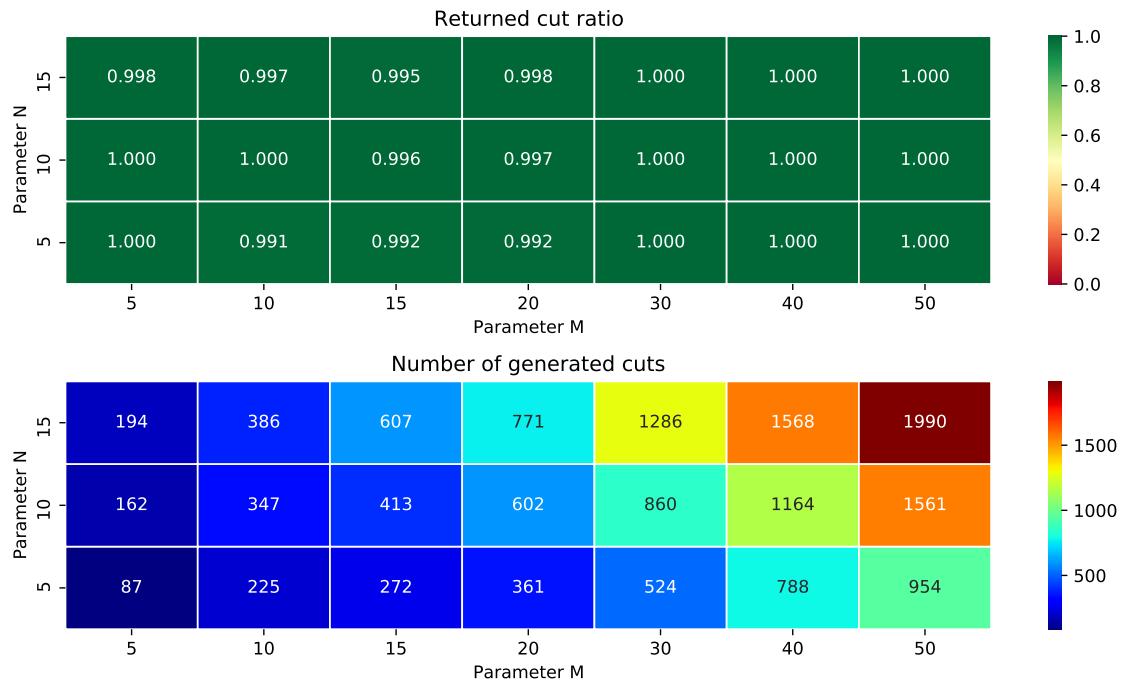


Figure 283: The top plot shows the ratio of returned value and optimal value and the bottom plot shows the number of generated cuts.

t2g15_6666



Figure 284: The top plot shows the ratio of returned value and optimal value and the bottom plot shows the number of generated cuts.

t2g15_7777

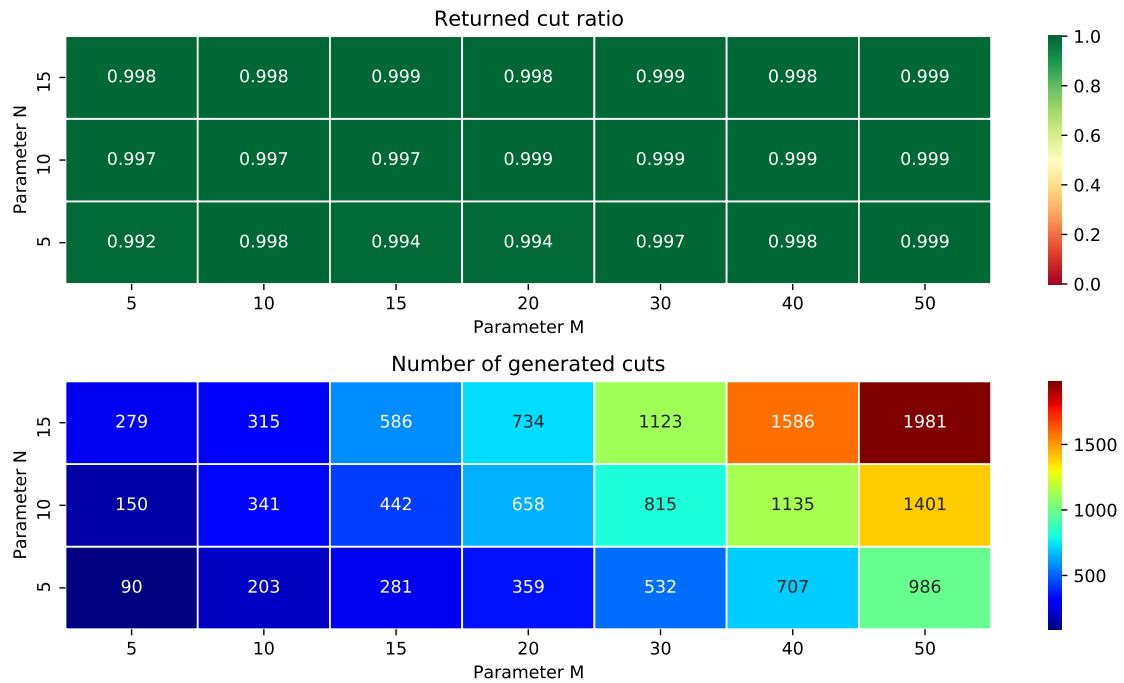


Figure 285: The top plot shows the ratio of returned value and optimal value and the bottom plot shows the number of generated cuts.

t2g20_5555

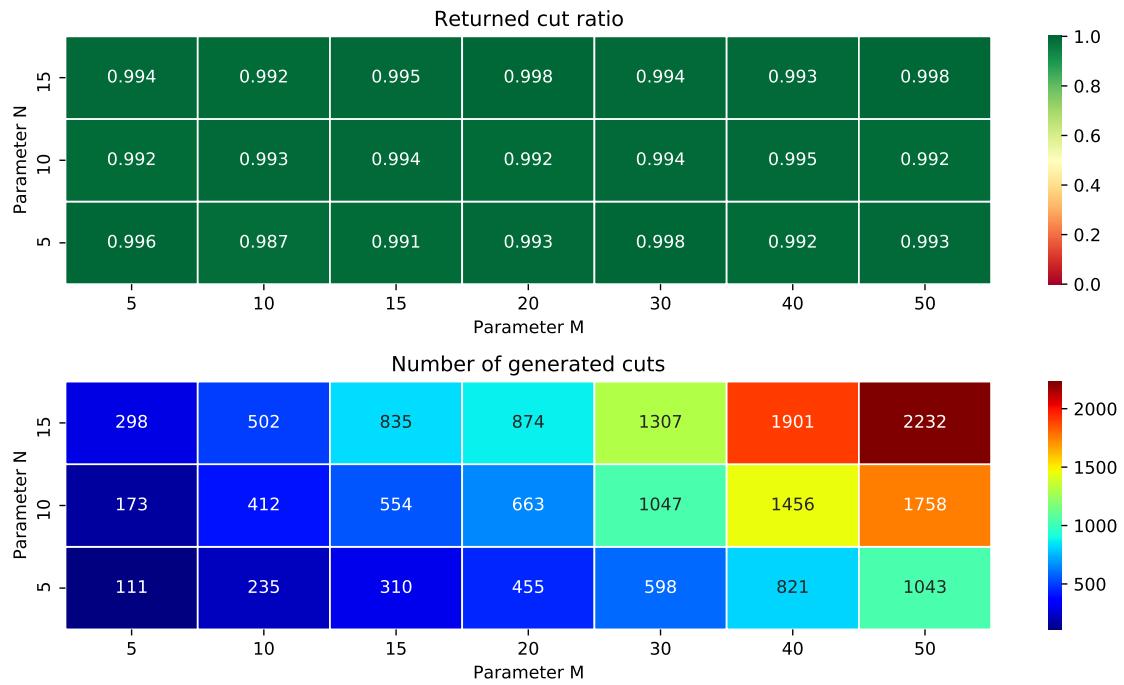


Figure 286: The top plot shows the ratio of returned value and optimal value and the bottom plot shows the number of generated cuts.

t2g20_6666

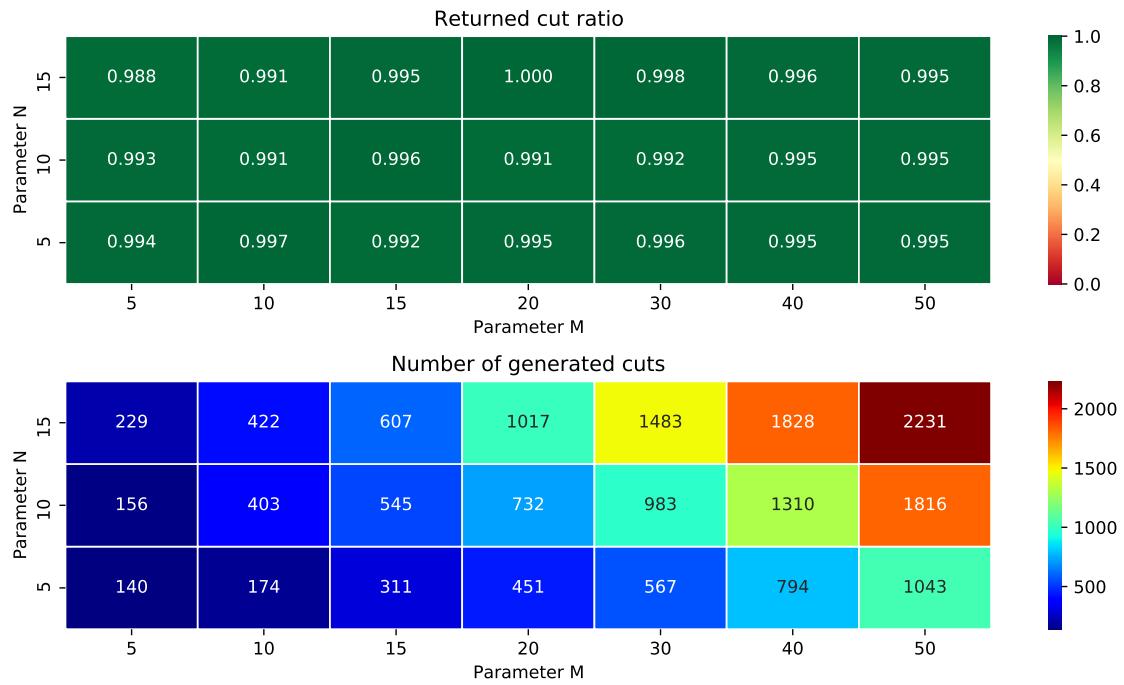


Figure 287: The top plot shows the ratio of returned value and optimal value and the bottom plot shows the number of generated cuts.

t2g20_7777

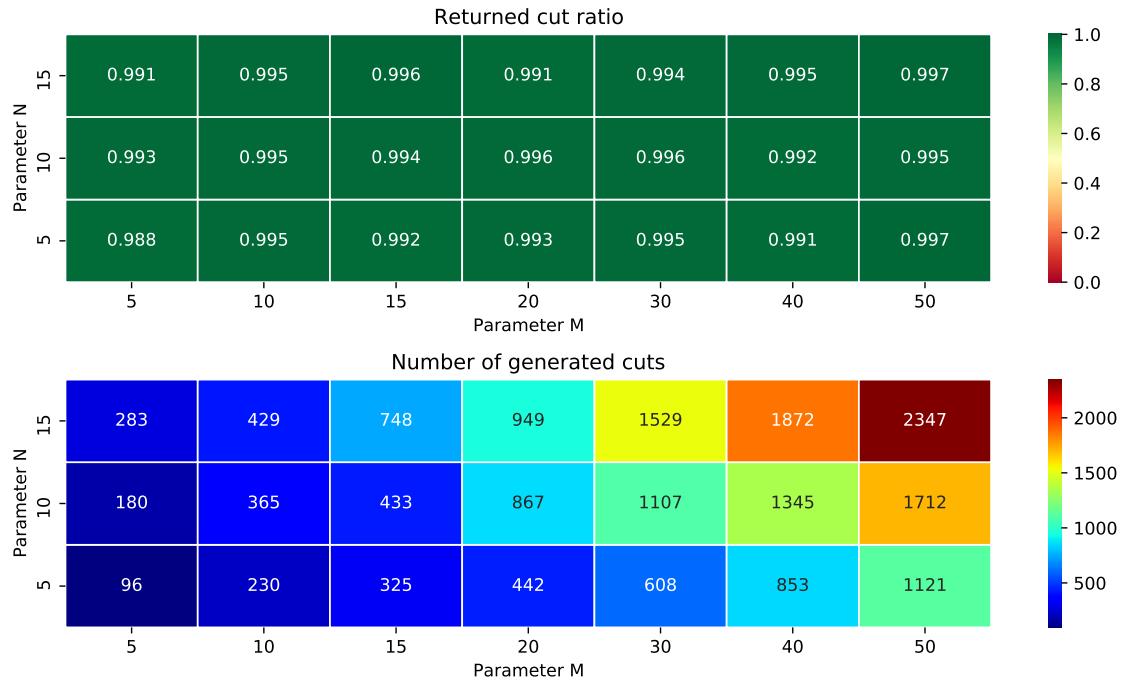


Figure 288: The top plot shows the ratio of returned value and optimal value and the bottom plot shows the number of generated cuts.

6.4 t3gn_seed

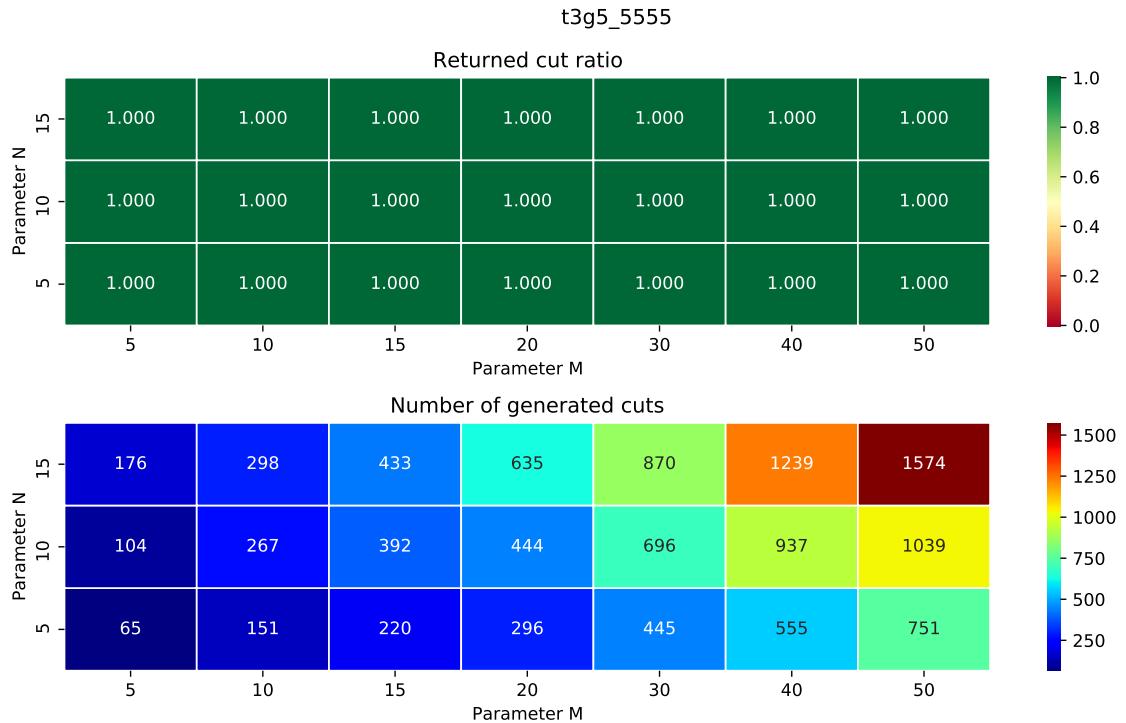


Figure 289: The top plot shows the ratio of returned value and optimal value and the bottom plot shows the number of generated cuts.

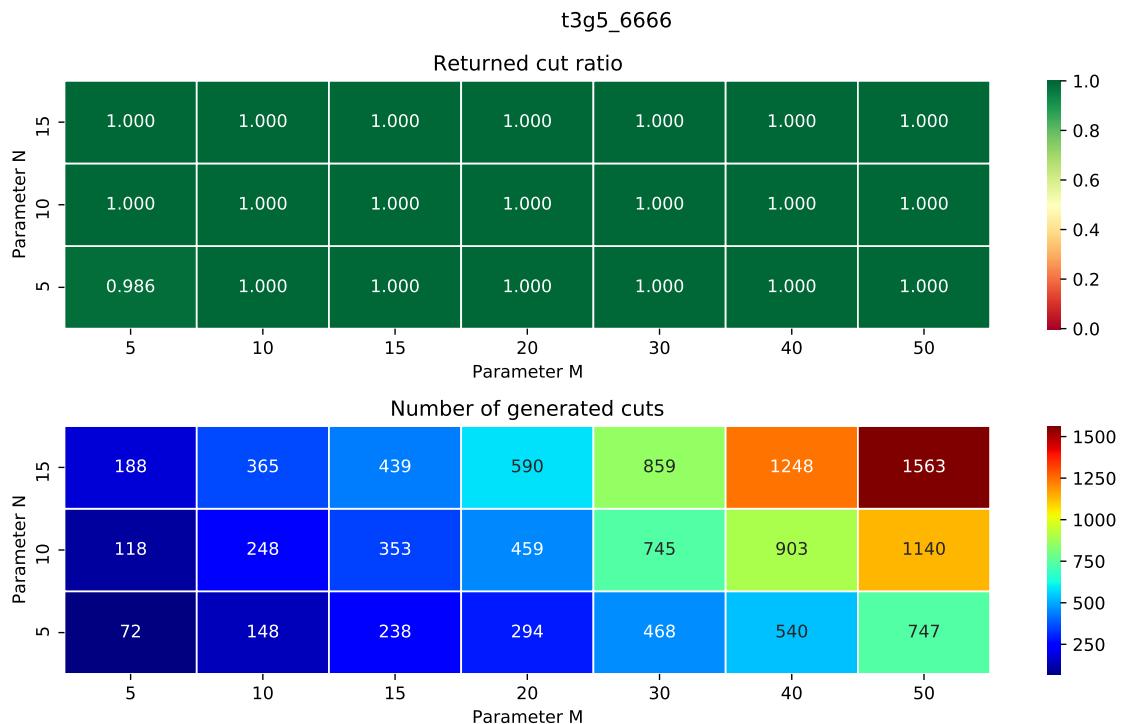


Figure 290: The top plot shows the ratio of returned value and optimal value and the bottom plot shows the number of generated cuts.

t3g5_7777

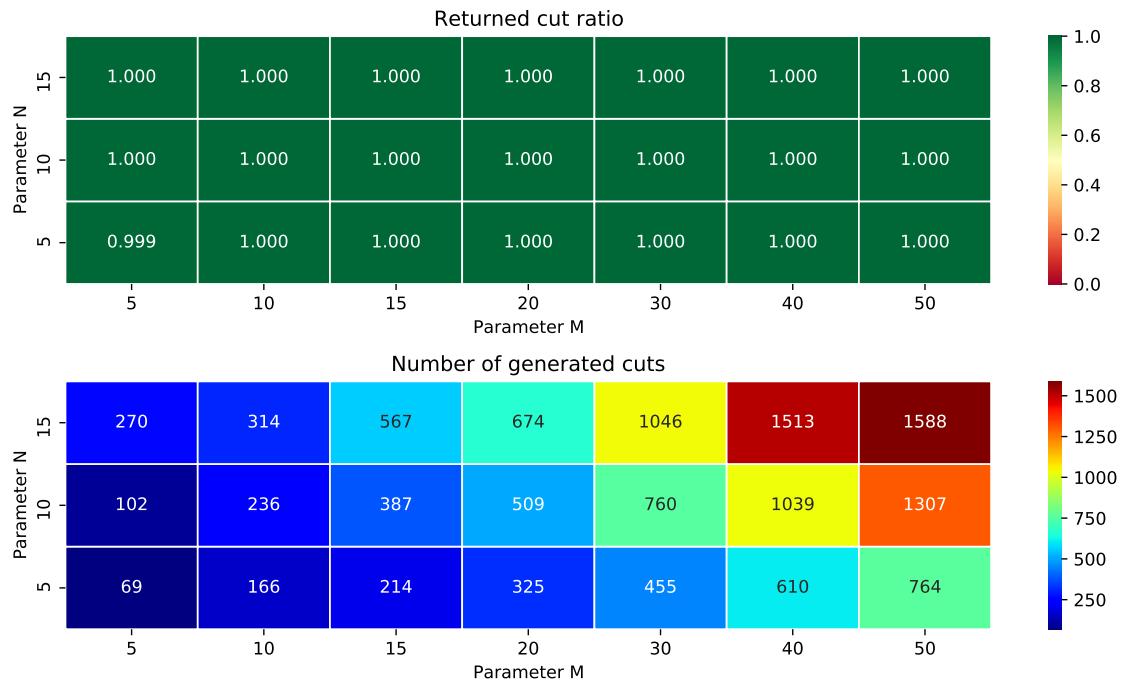


Figure 291: The top plot shows the ratio of returned value and optimal value and the bottom plot shows the number of generated cuts.

t3g6_5555

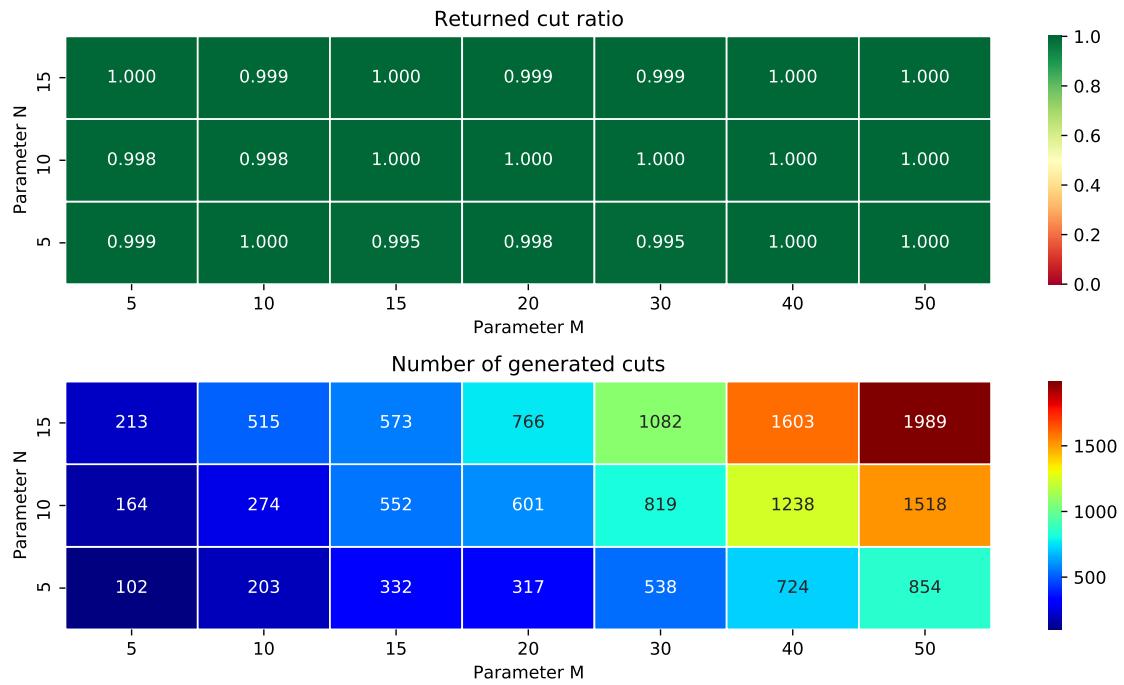


Figure 292: The top plot shows the ratio of returned value and optimal value and the bottom plot shows the number of generated cuts.

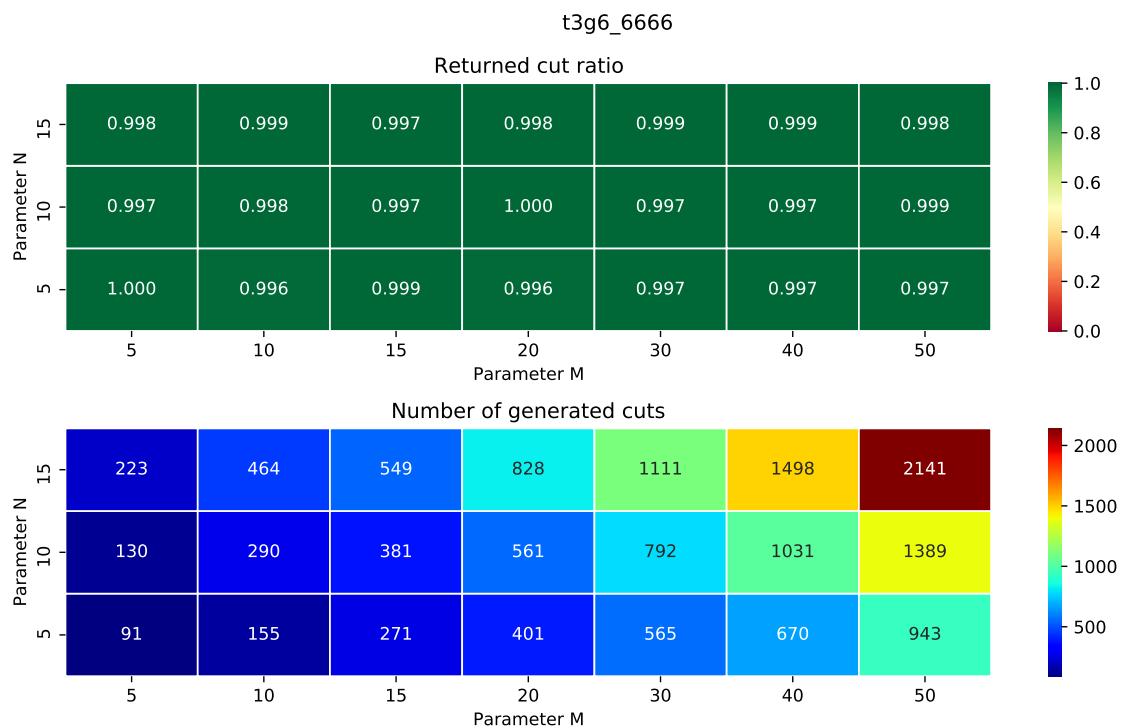


Figure 293: The top plot shows the ratio of returned value and optimal value and the bottom plot shows the number of generated cuts.

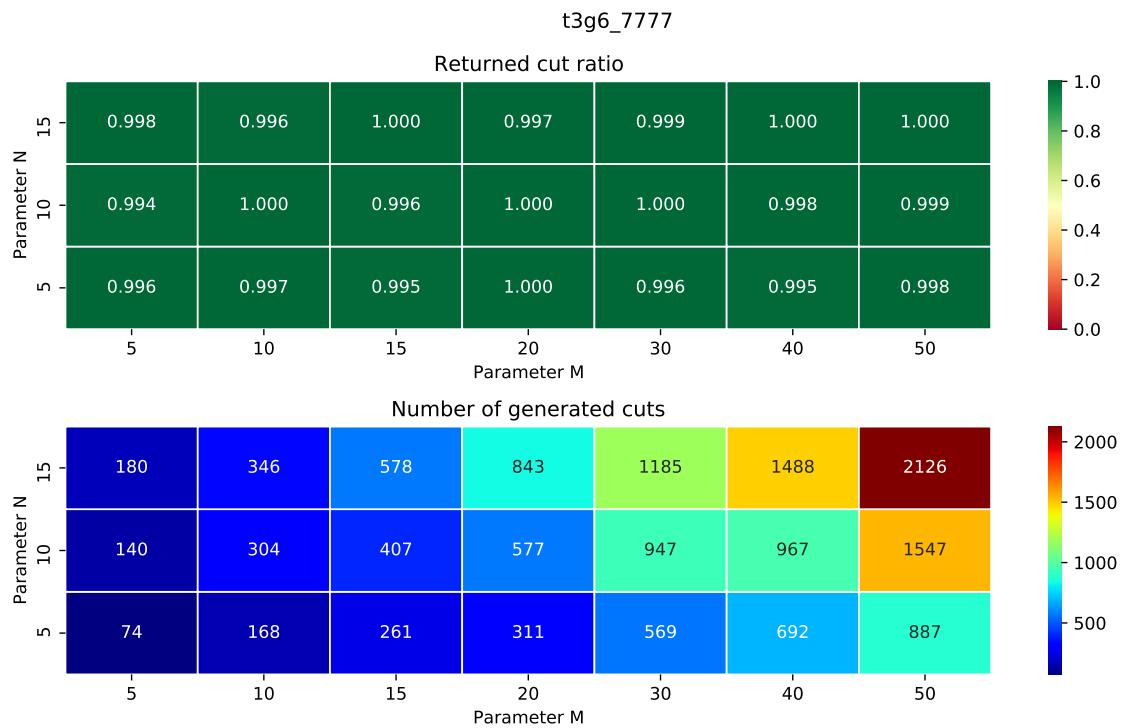


Figure 294: The top plot shows the ratio of returned value and optimal value and the bottom plot shows the number of generated cuts.

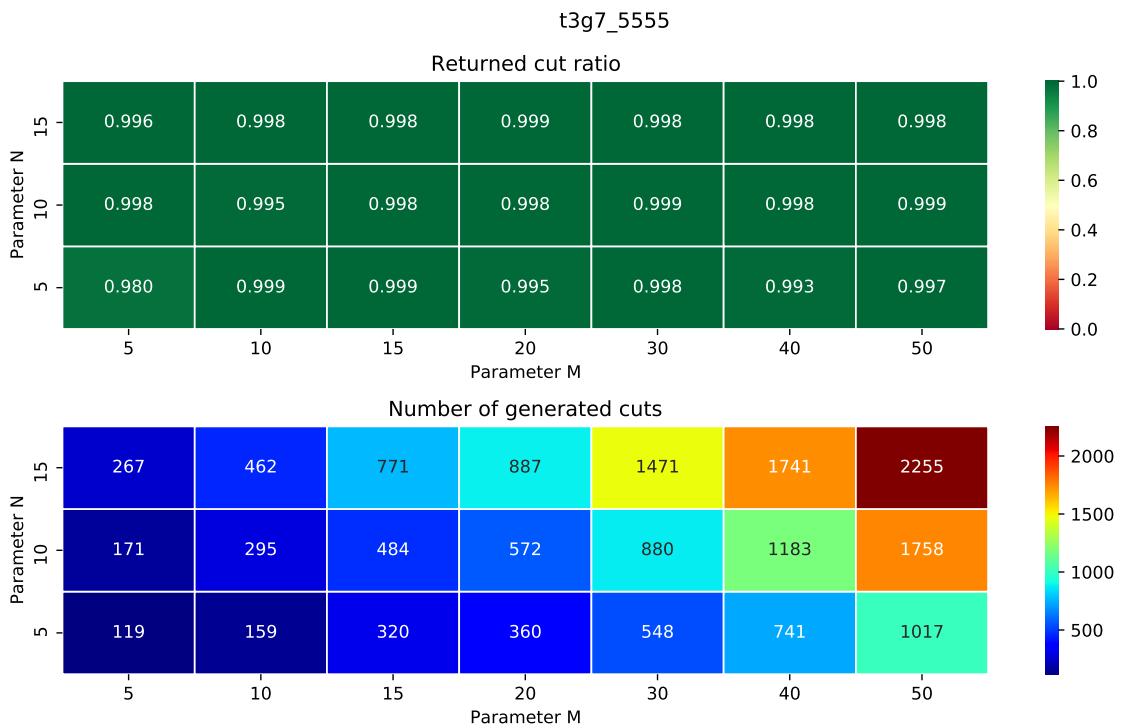


Figure 295: The top plot shows the ratio of returned value and optimal value and the bottom plot shows the number of generated cuts.

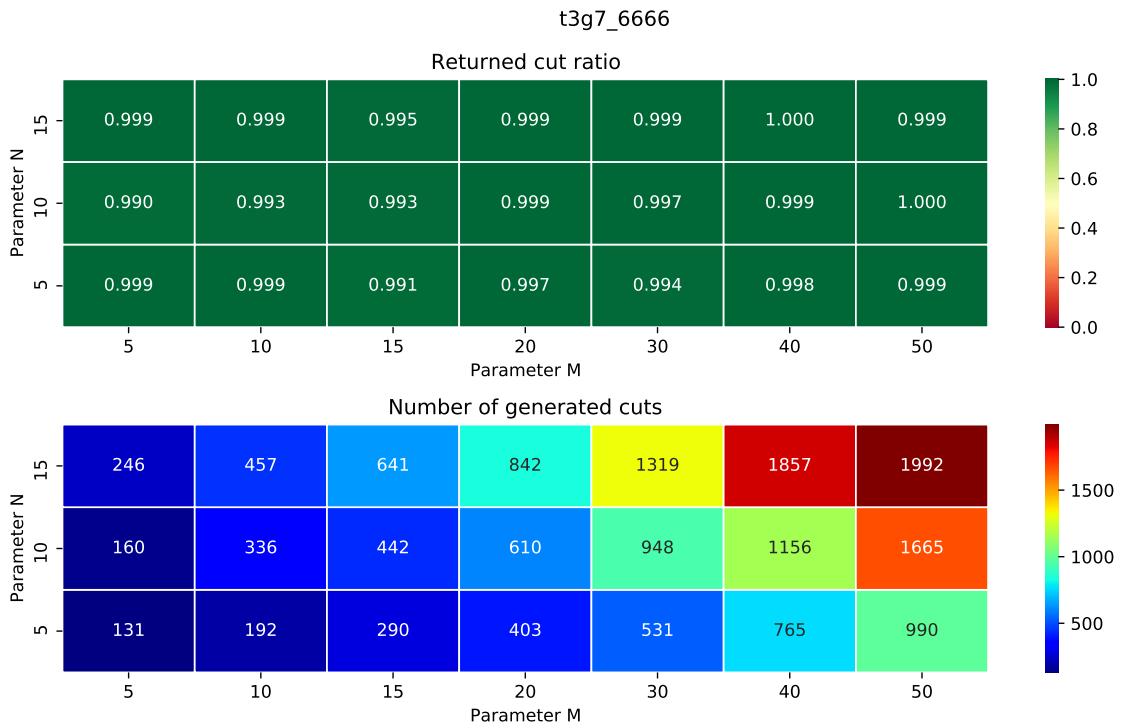


Figure 296: The top plot shows the ratio of returned value and optimal value and the bottom plot shows the number of generated cuts.

t3g7_7777

Returned cut ratio

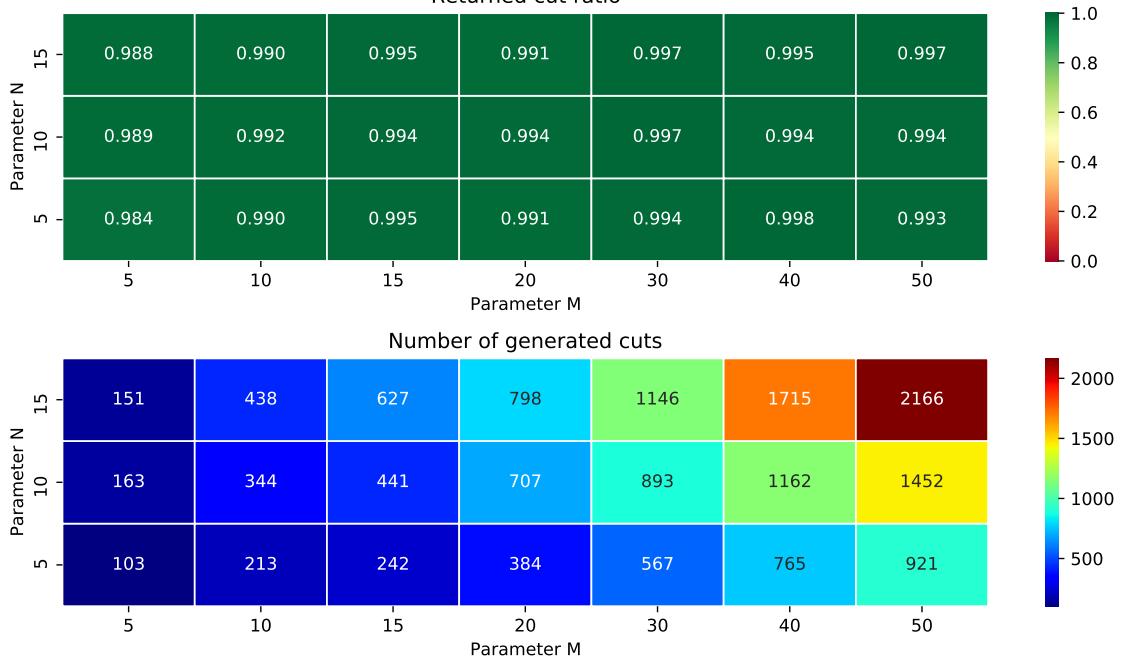


Figure 297: The top plot shows the ratio of returned value and optimal value and the bottom plot shows the number of generated cuts.

7 M

7.1 mannino

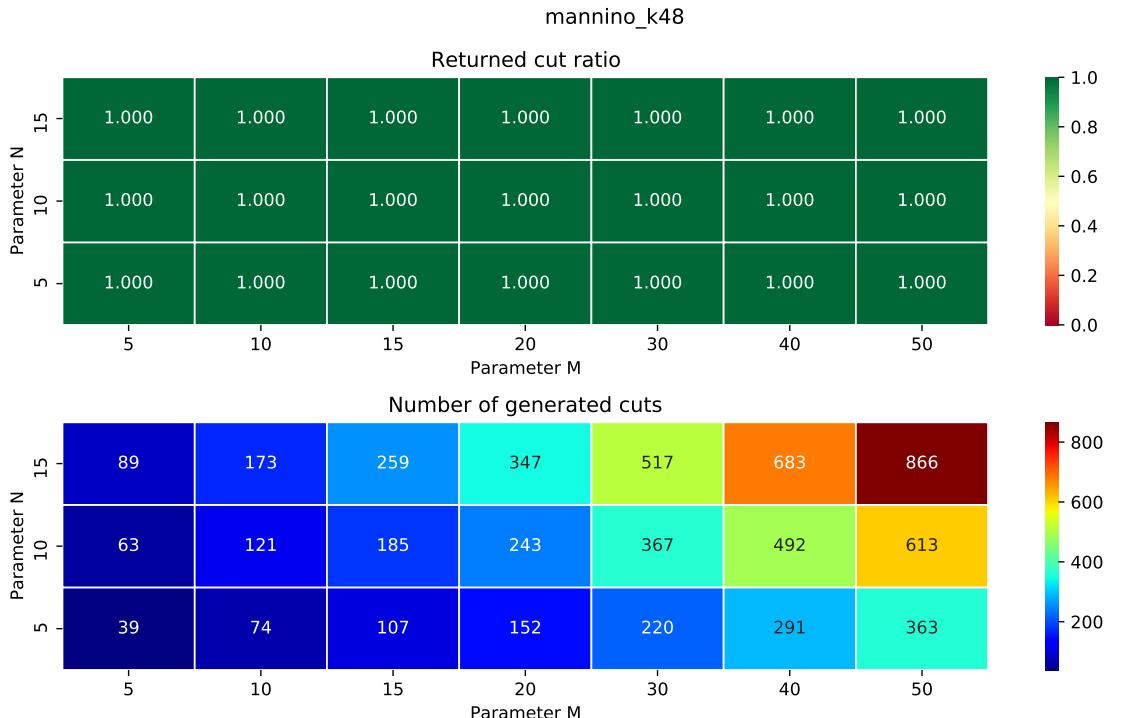


Figure 298: The top plot shows the ratio of returned value and optimal value and the bottom plot shows the number of generated cuts.

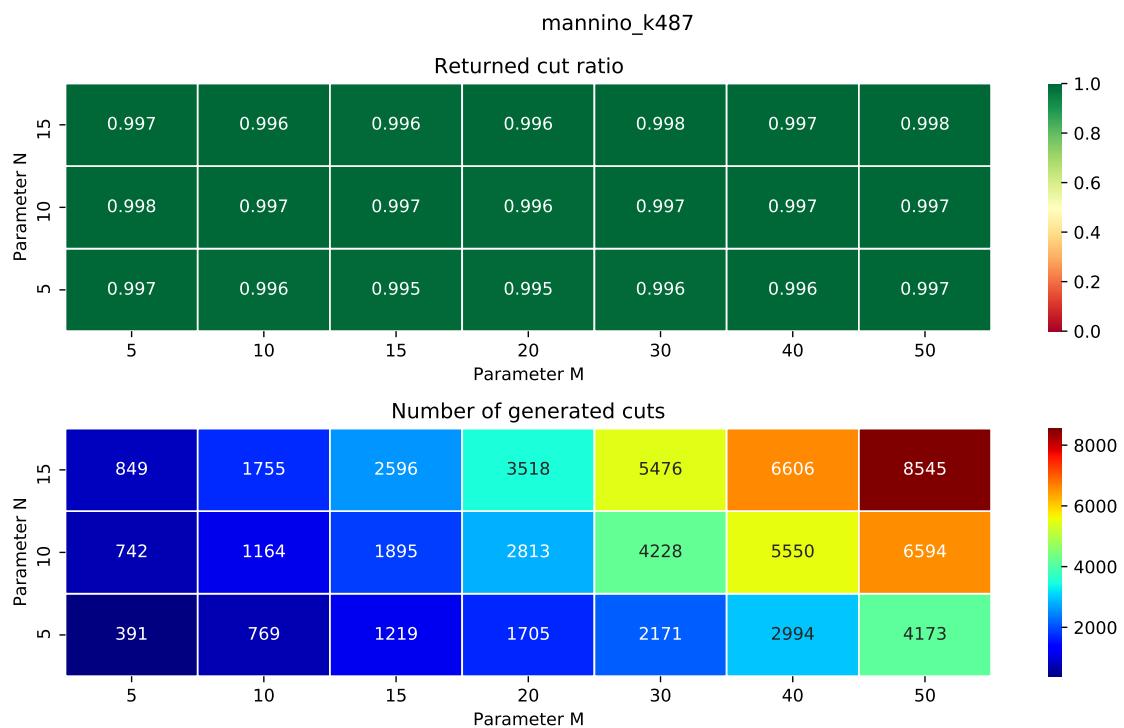


Figure 299: The top plot shows the ratio of returned value and optimal value and the bottom plot shows the number of generated cuts.

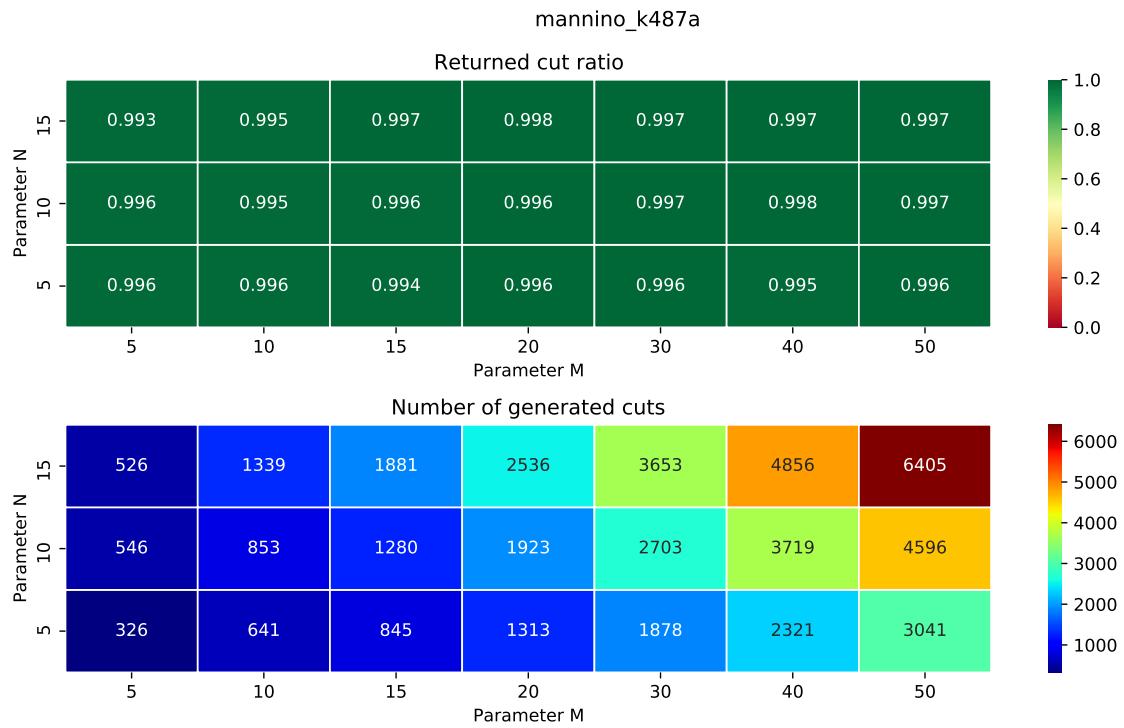


Figure 300: The top plot shows the ratio of returned value and optimal value and the bottom plot shows the number of generated cuts.

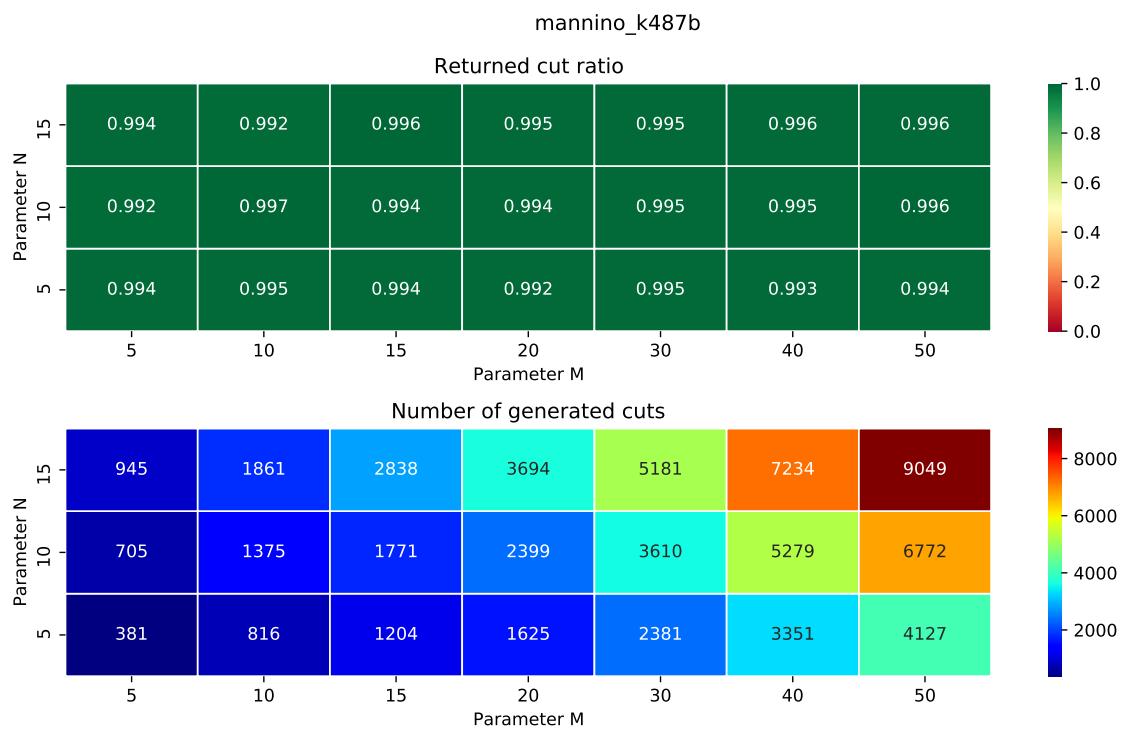


Figure 301: The top plot shows the ratio of returned value and optimal value and the bottom plot shows the number of generated cuts.

8 W

8.1 g05_n.i

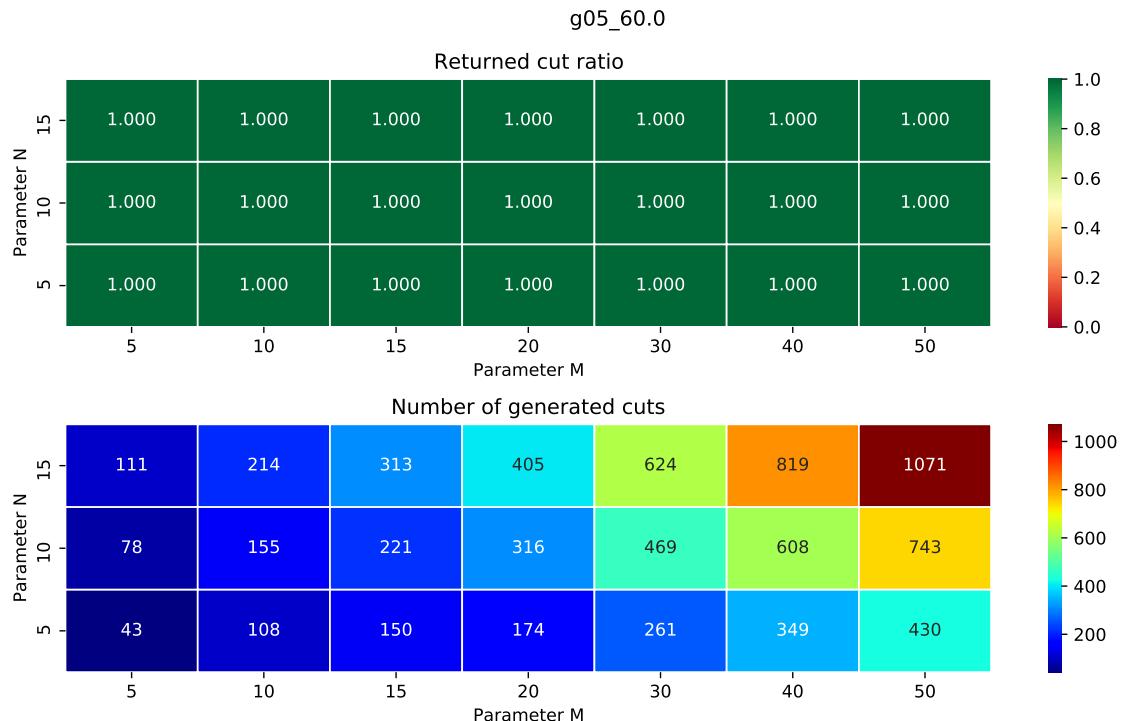


Figure 302: The top plot shows the ratio of returned value and optimal value and the bottom plot shows the number of generated cuts.

g05_60.1

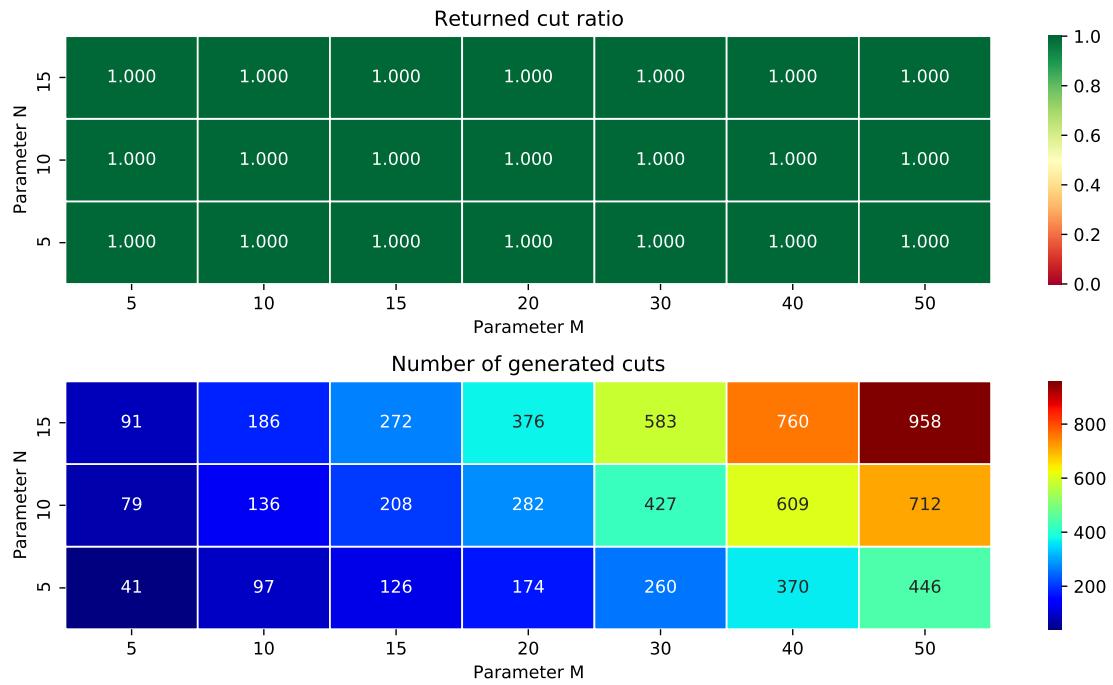


Figure 303: The top plot shows the ratio of returned value and optimal value and the bottom plot shows the number of generated cuts.

g05_60.2

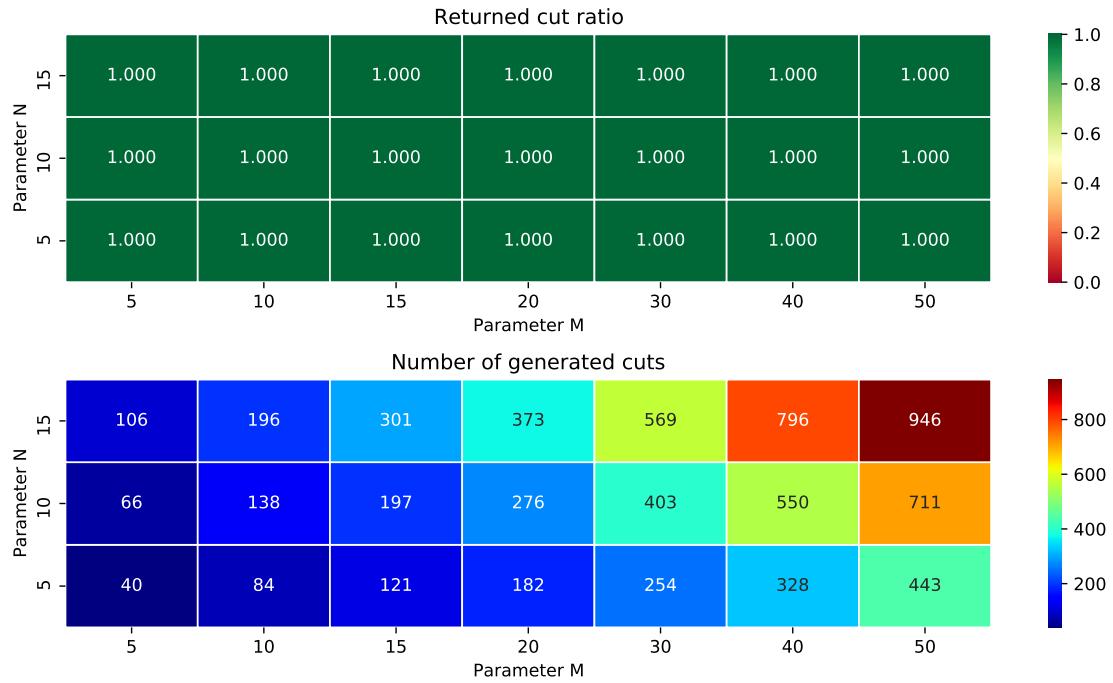


Figure 304: The top plot shows the ratio of returned value and optimal value and the bottom plot shows the number of generated cuts.

g05_60.3

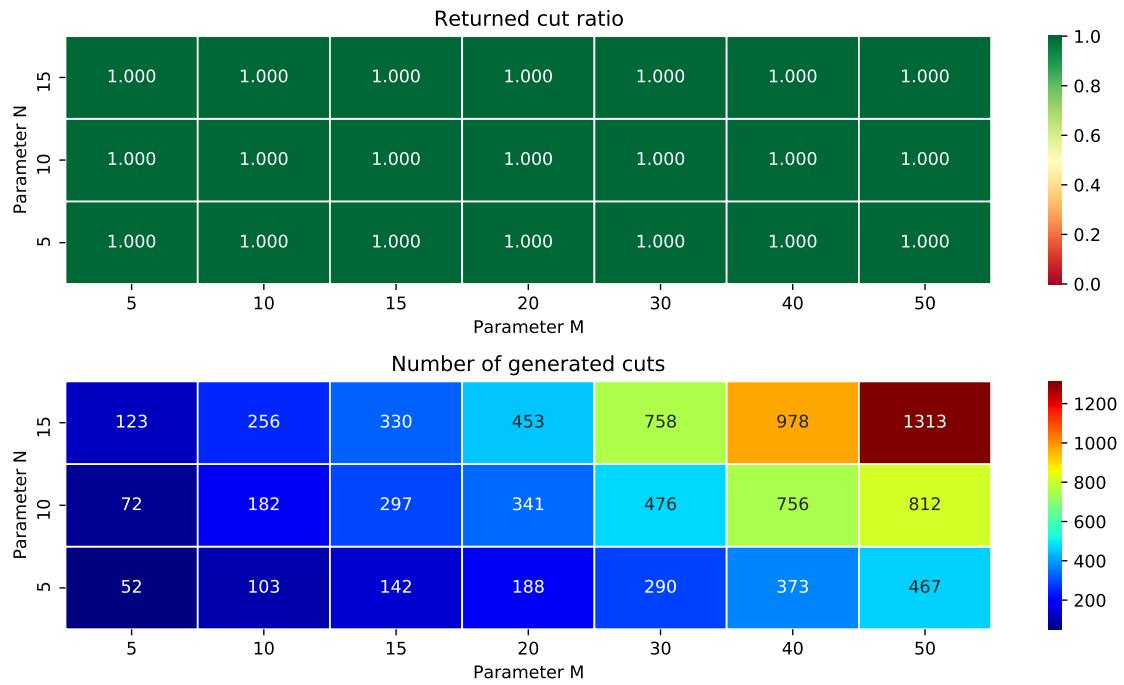


Figure 305: The top plot shows the ratio of returned value and optimal value and the bottom plot shows the number of generated cuts.

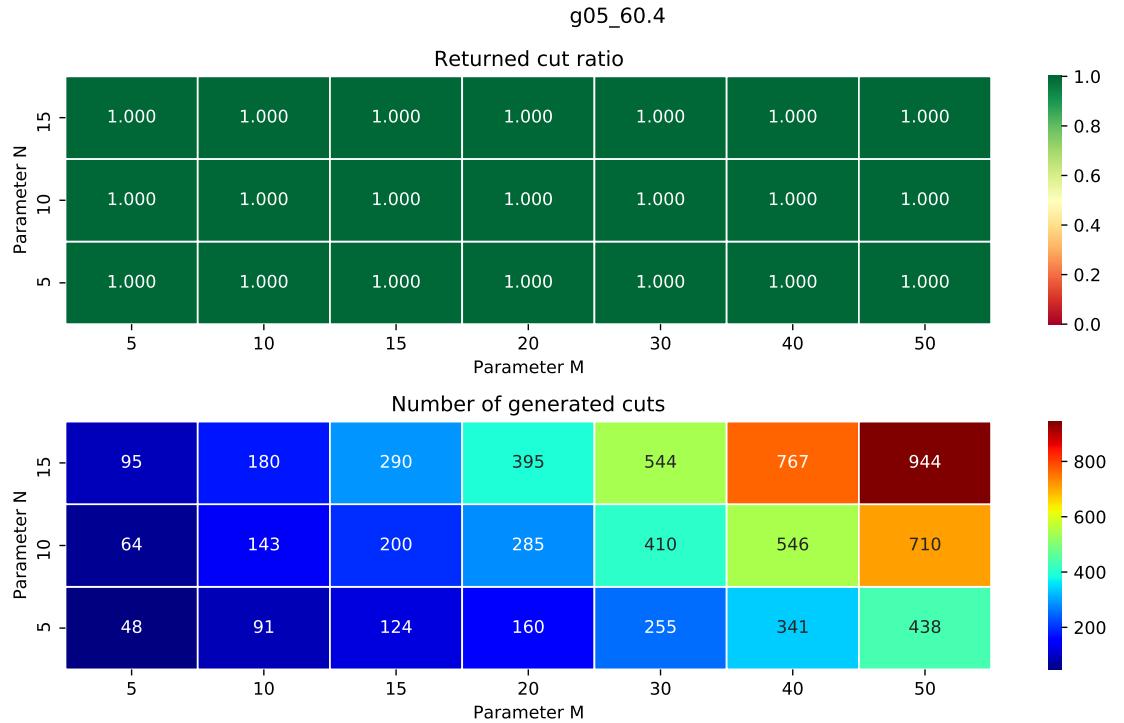


Figure 306: The top plot shows the ratio of returned value and optimal value and the bottom plot shows the number of generated cuts.

g05_60.5



Figure 307: The top plot shows the ratio of returned value and optimal value and the bottom plot shows the number of generated cuts.

g05_60.6

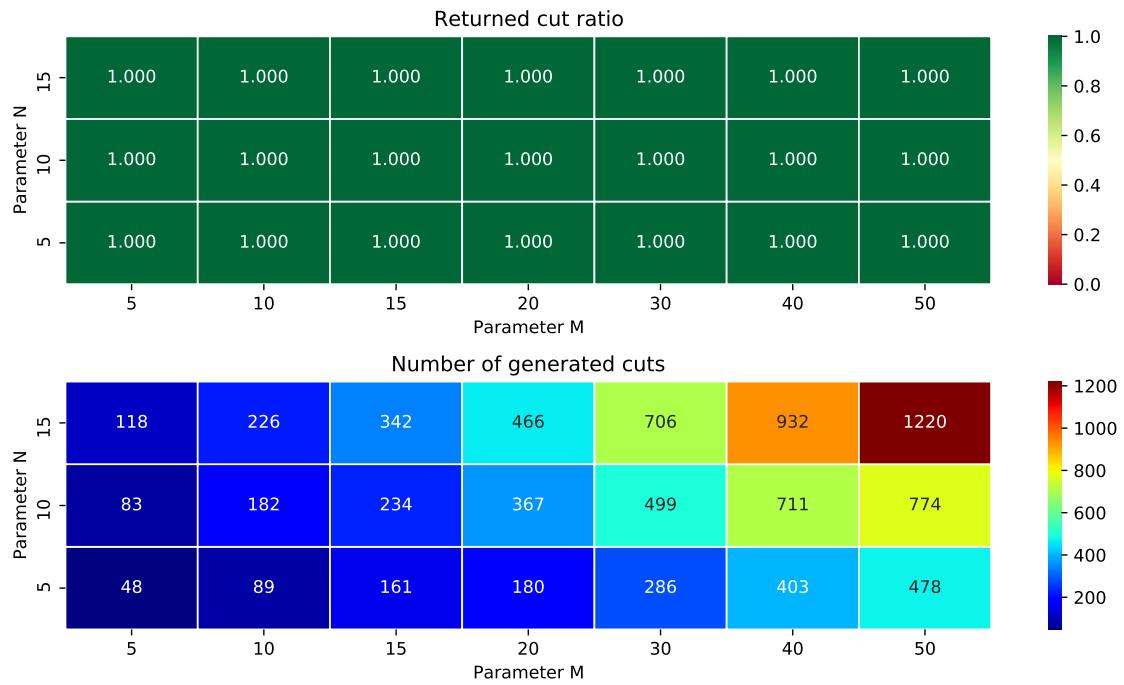


Figure 308: The top plot shows the ratio of returned value and optimal value and the bottom plot shows the number of generated cuts.

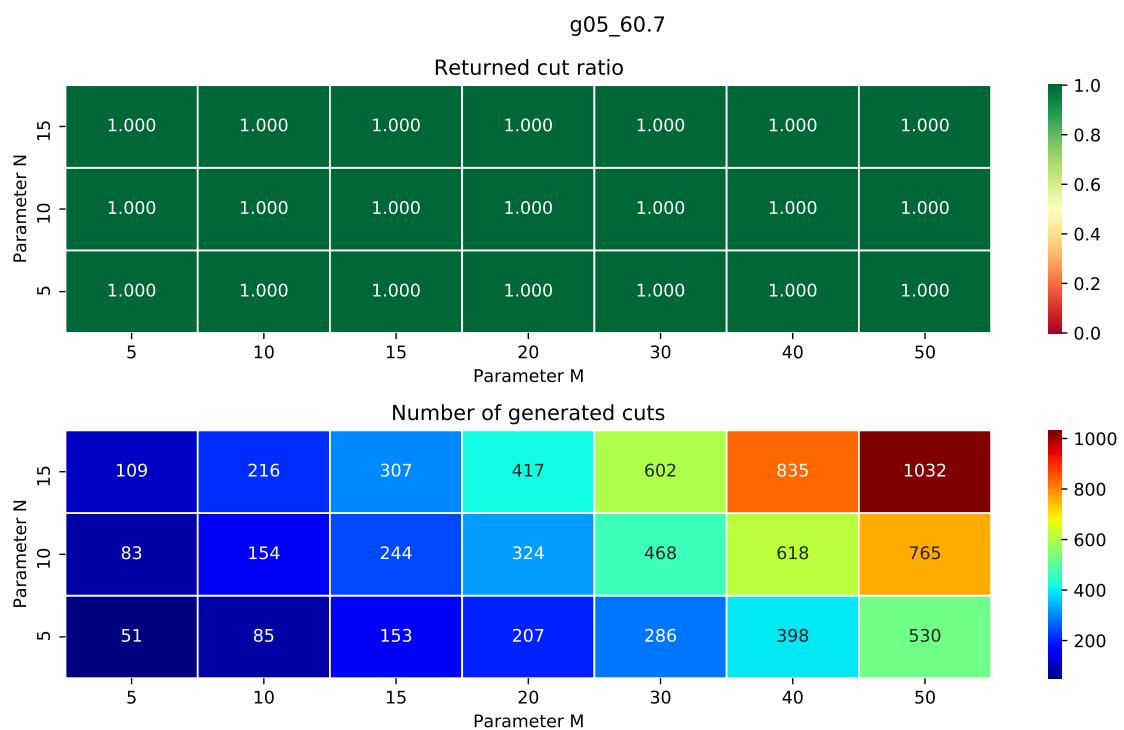


Figure 309: The top plot shows the ratio of returned value and optimal value and the bottom plot shows the number of generated cuts.

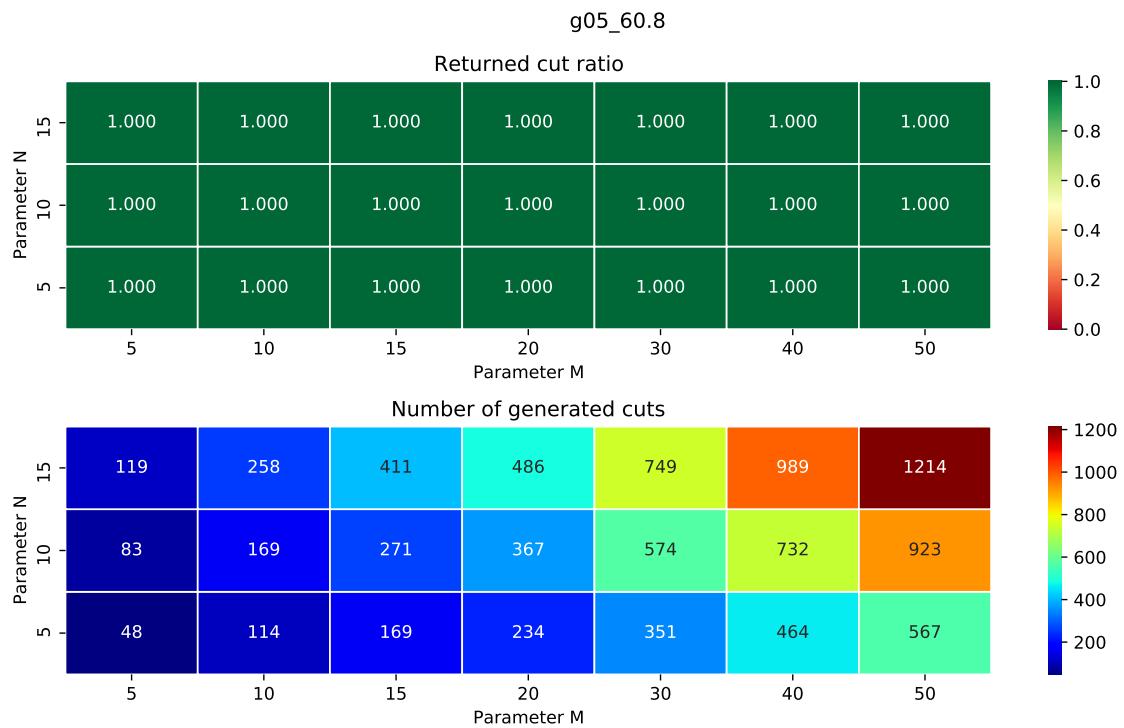


Figure 310: The top plot shows the ratio of returned value and optimal value and the bottom plot shows the number of generated cuts.

g05_60.9

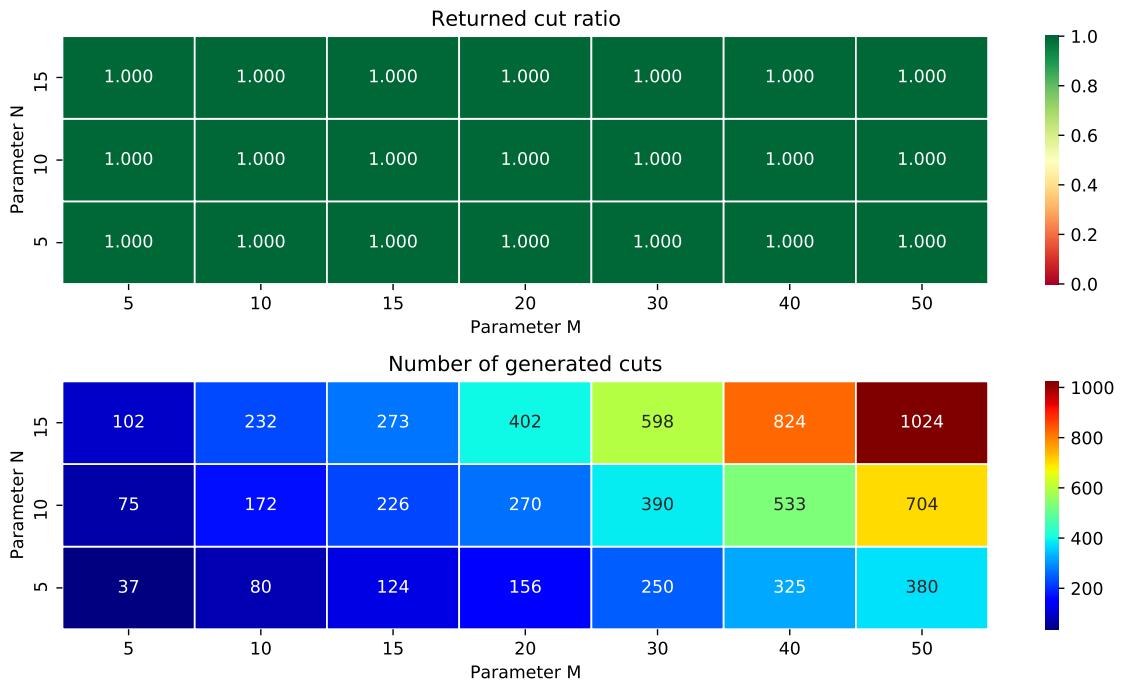


Figure 311: The top plot shows the ratio of returned value and optimal value and the bottom plot shows the number of generated cuts.

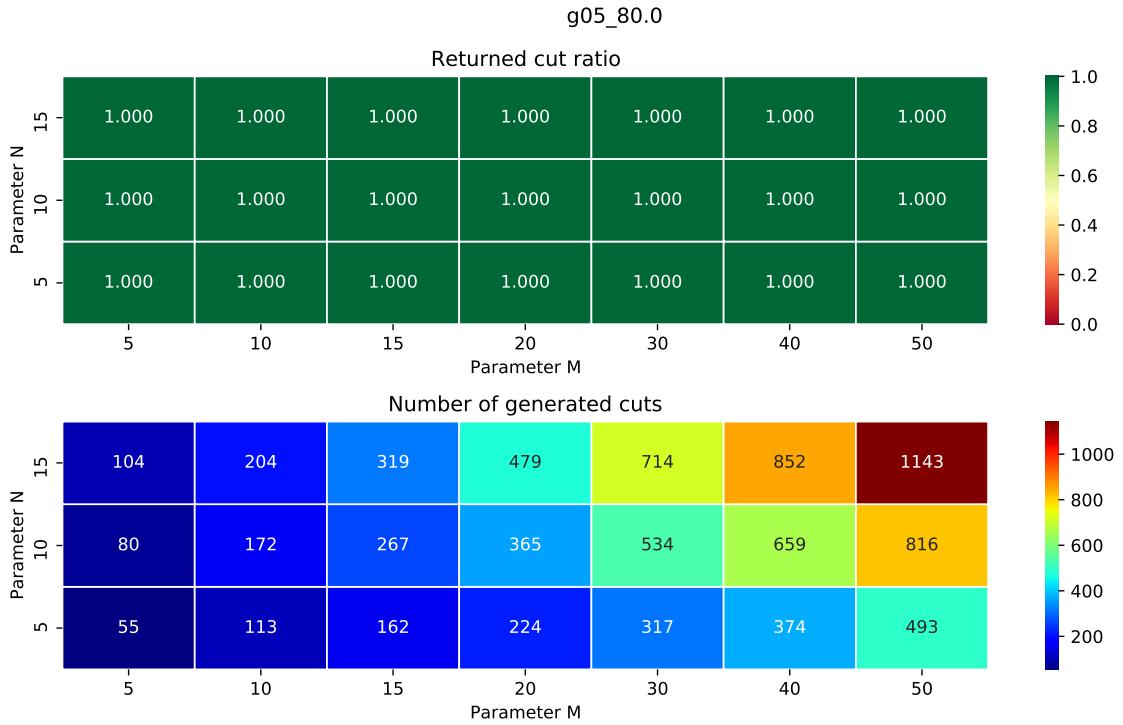


Figure 312: The top plot shows the ratio of returned value and optimal value and the bottom plot shows the number of generated cuts.

g05_80.1

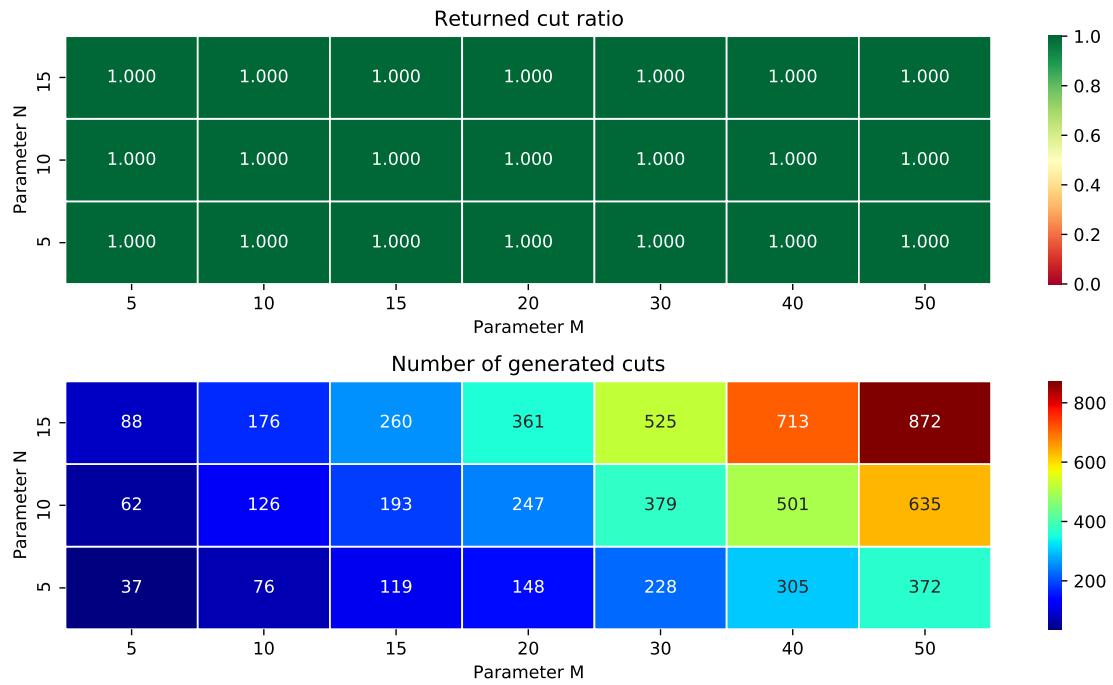


Figure 313: The top plot shows the ratio of returned value and optimal value and the bottom plot shows the number of generated cuts.

g05_80.2

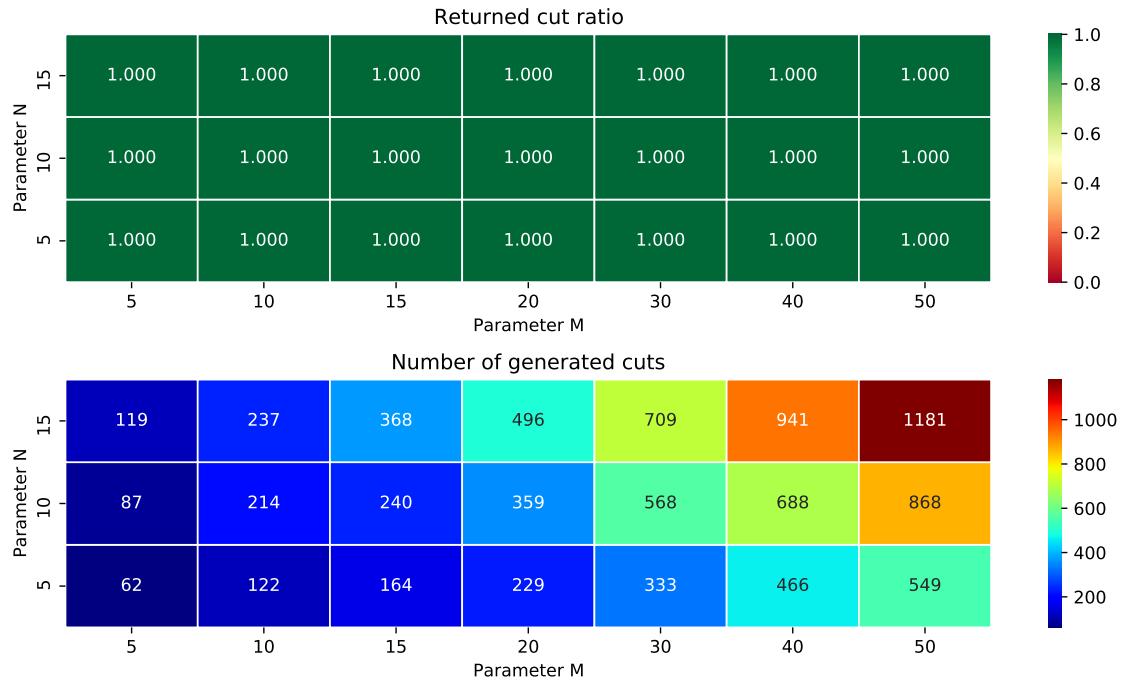


Figure 314: The top plot shows the ratio of returned value and optimal value and the bottom plot shows the number of generated cuts.

g05_80.3

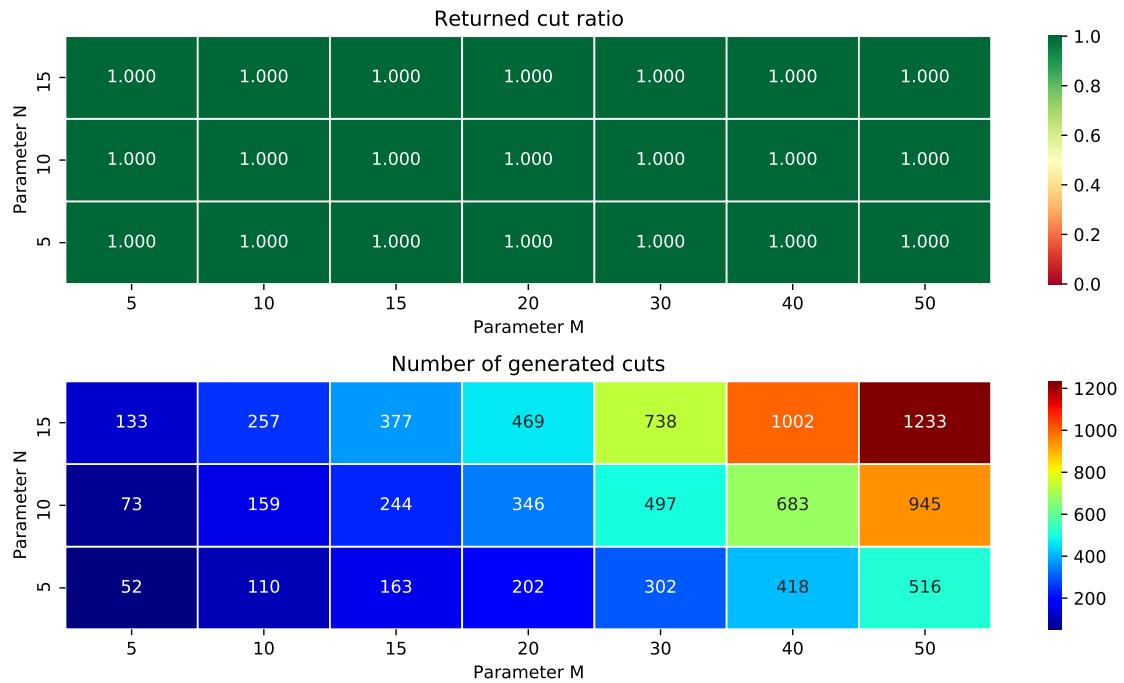


Figure 315: The top plot shows the ratio of returned value and optimal value and the bottom plot shows the number of generated cuts.

g05_80.4

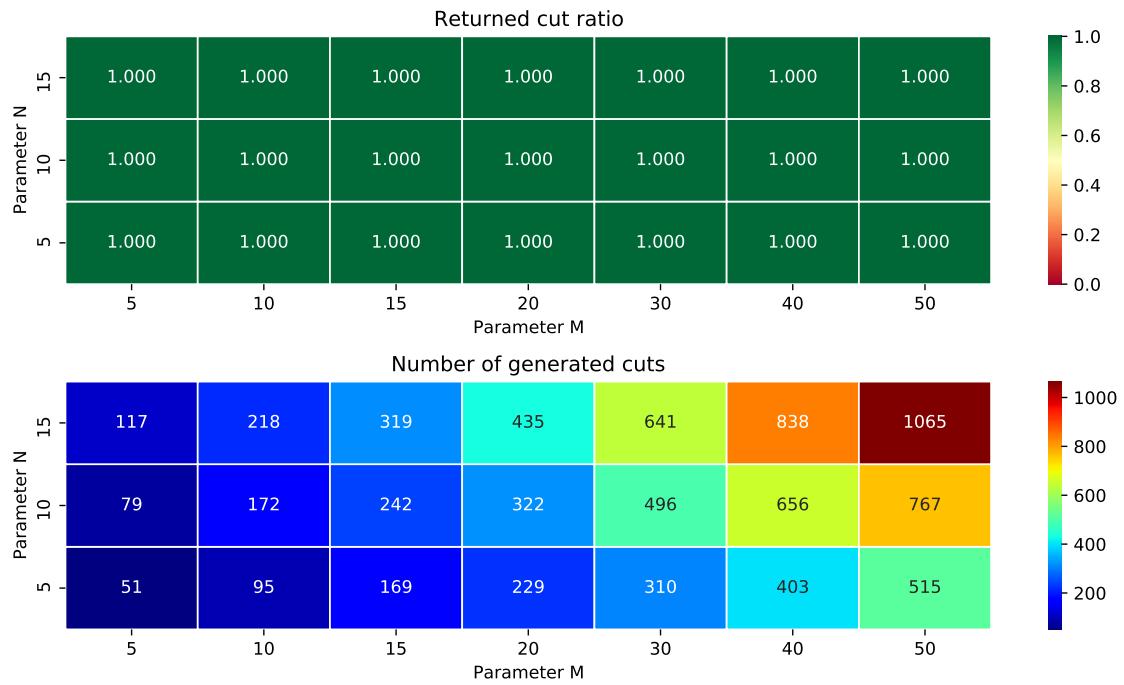


Figure 316: The top plot shows the ratio of returned value and optimal value and the bottom plot shows the number of generated cuts.

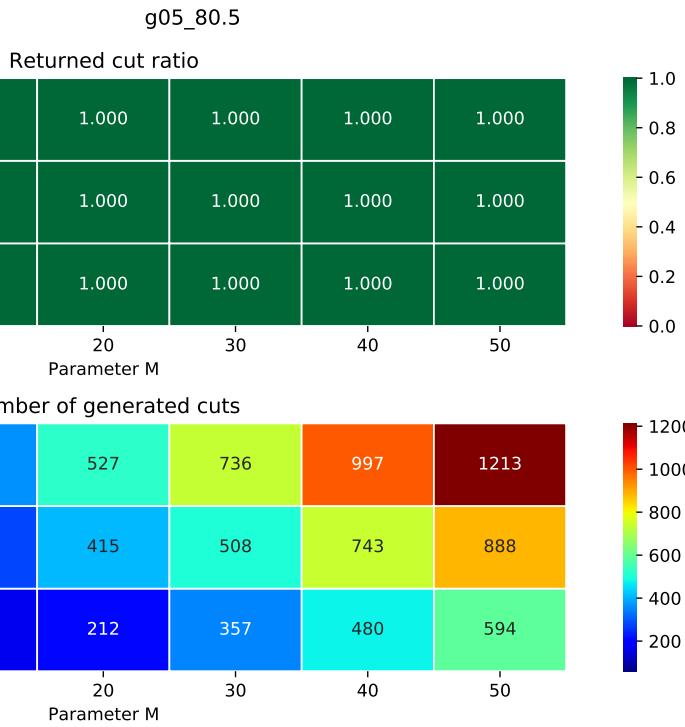


Figure 317: The top plot shows the ratio of returned value and optimal value and the bottom plot shows the number of generated cuts.



Figure 318: The top plot shows the ratio of returned value and optimal value and the bottom plot shows the number of generated cuts.

g05_80.7

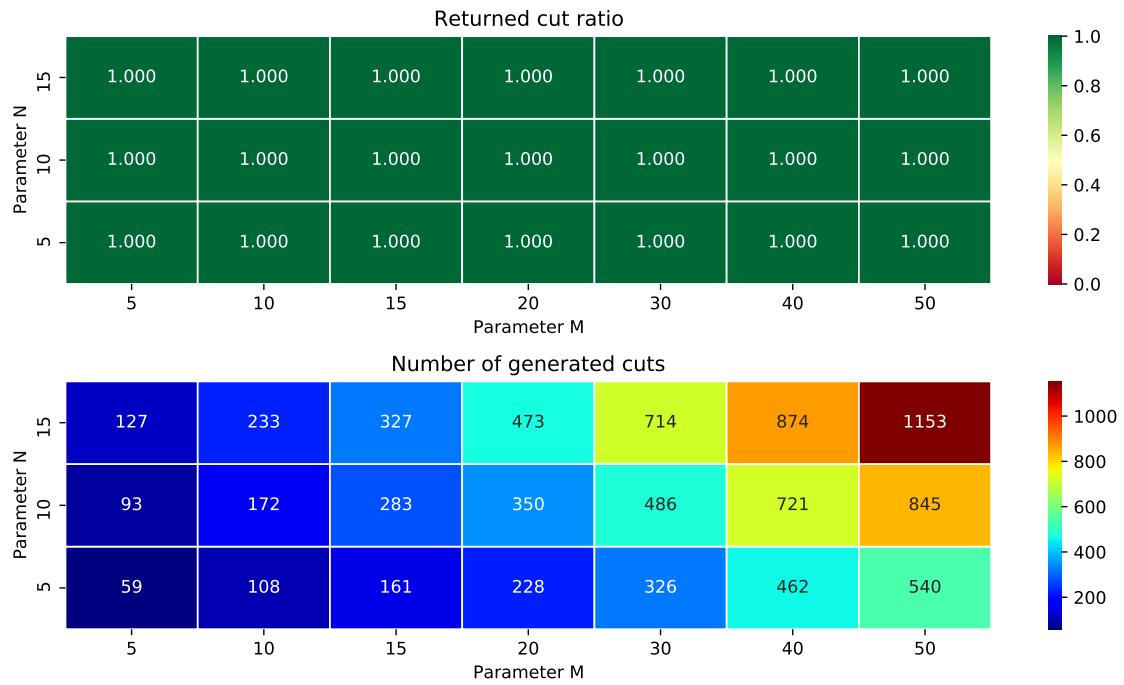


Figure 319: The top plot shows the ratio of returned value and optimal value and the bottom plot shows the number of generated cuts.

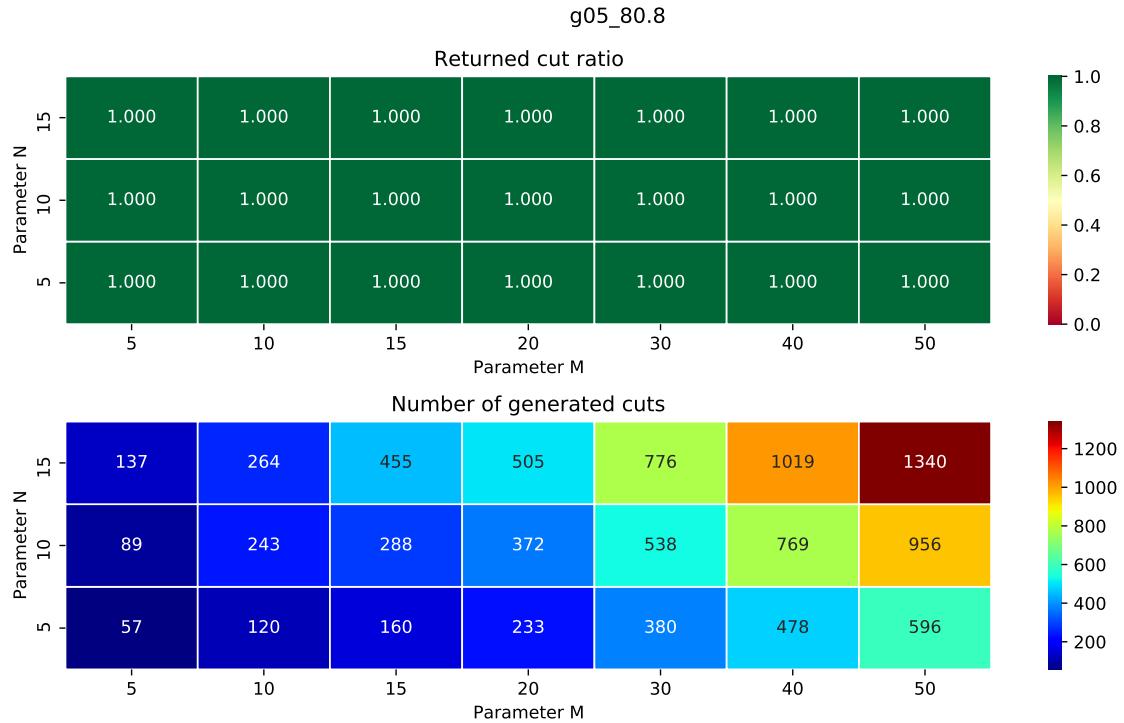


Figure 320: The top plot shows the ratio of returned value and optimal value and the bottom plot shows the number of generated cuts.

g05_80.9

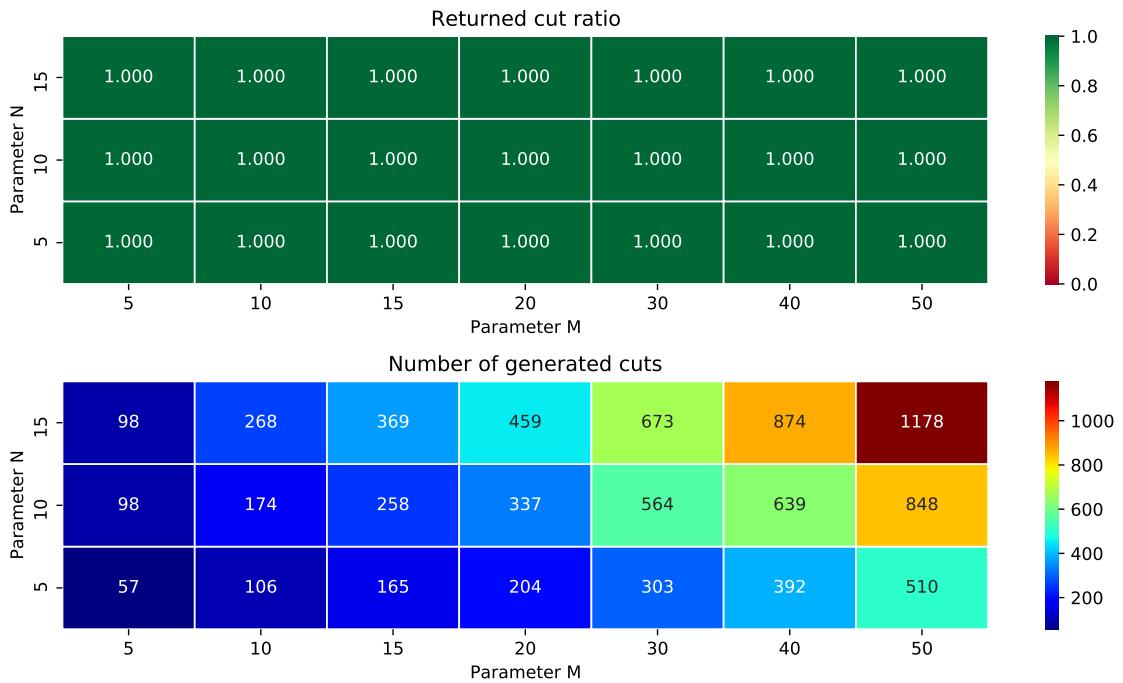


Figure 321: The top plot shows the ratio of returned value and optimal value and the bottom plot shows the number of generated cuts.

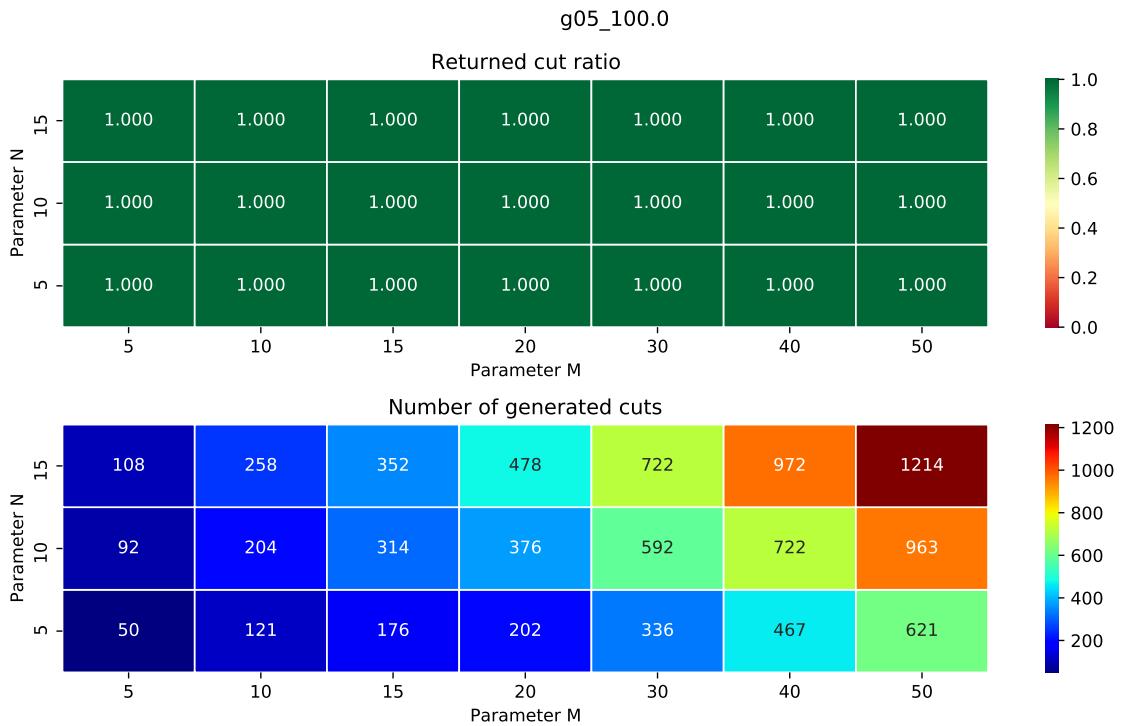


Figure 322: The top plot shows the ratio of returned value and optimal value and the bottom plot shows the number of generated cuts.

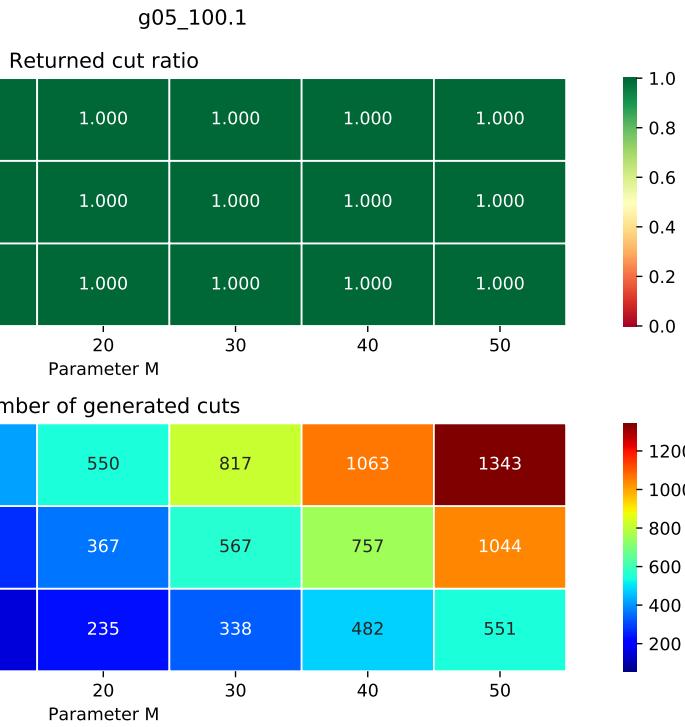


Figure 323: The top plot shows the ratio of returned value and optimal value and the bottom plot shows the number of generated cuts.

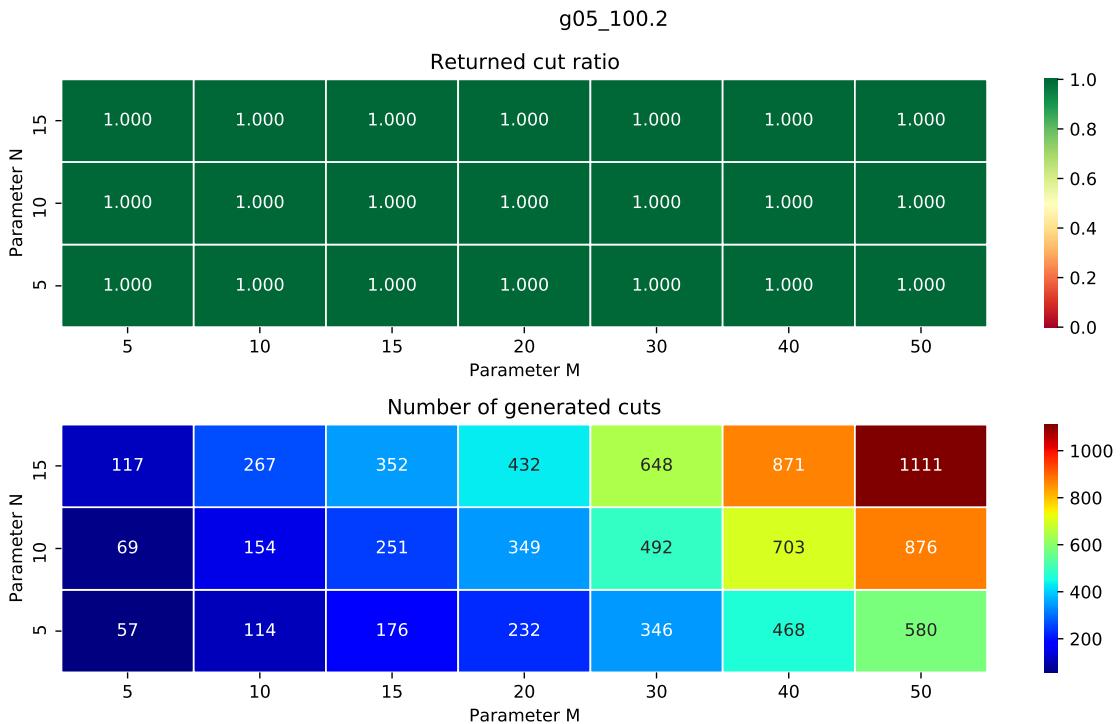


Figure 324: The top plot shows the ratio of returned value and optimal value and the bottom plot shows the number of generated cuts.

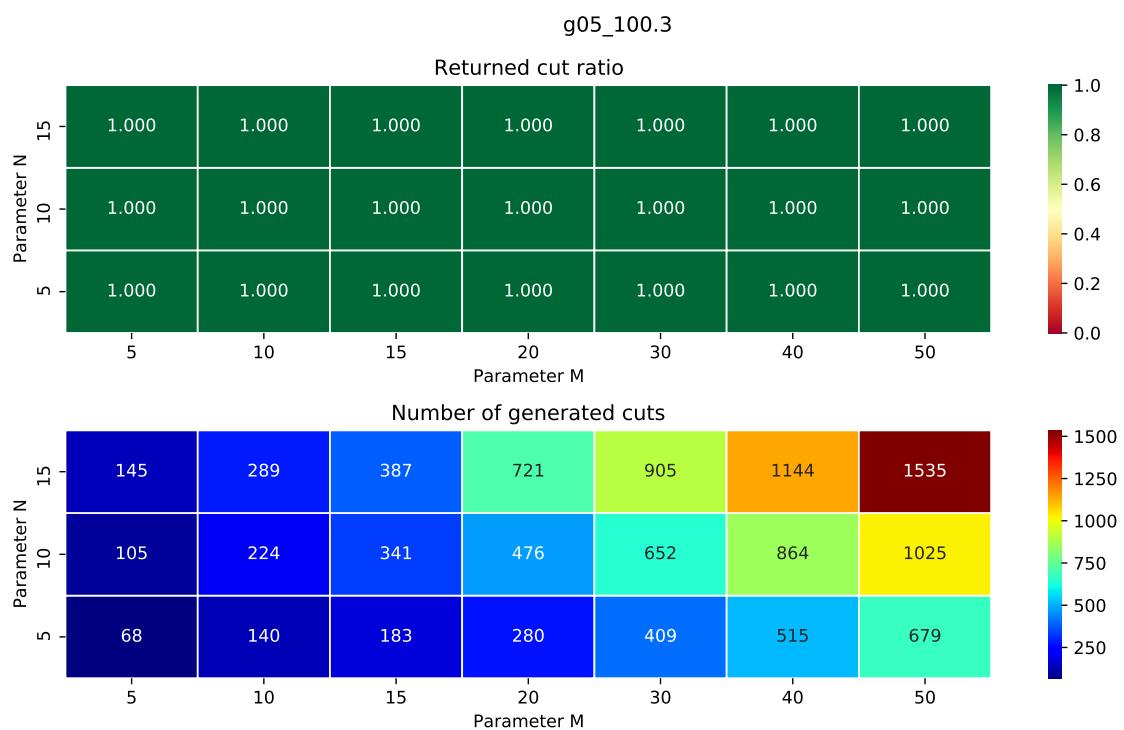


Figure 325: The top plot shows the ratio of returned value and optimal value and the bottom plot shows the number of generated cuts.

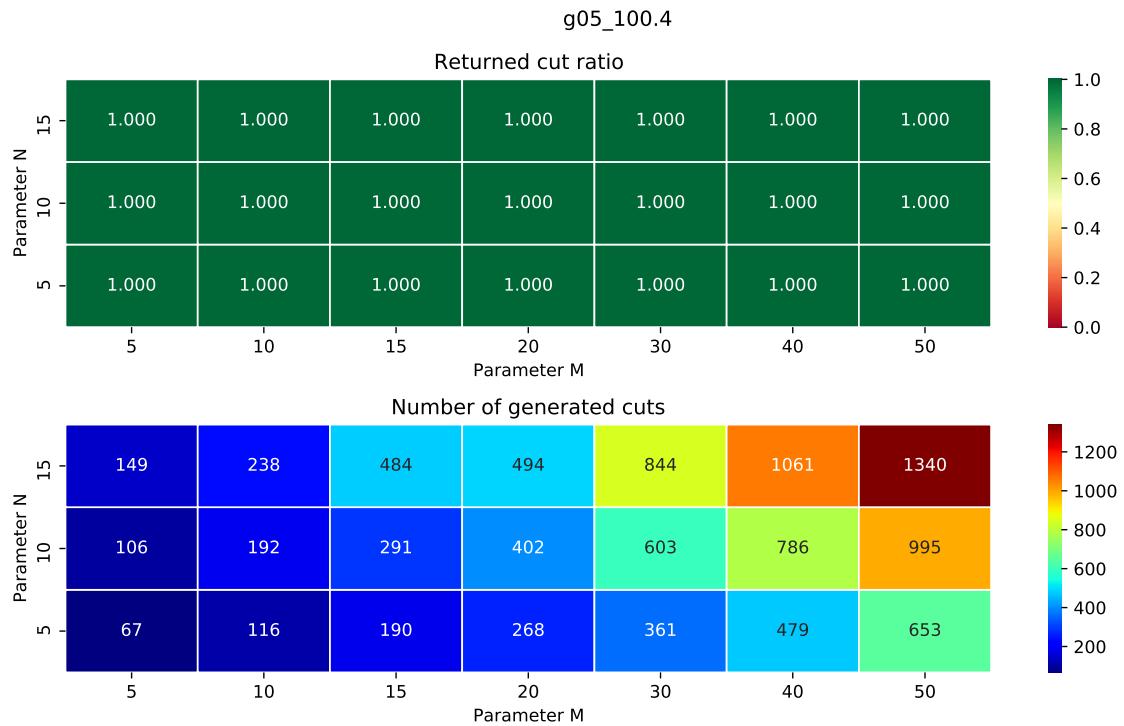


Figure 326: The top plot shows the ratio of returned value and optimal value and the bottom plot shows the number of generated cuts.

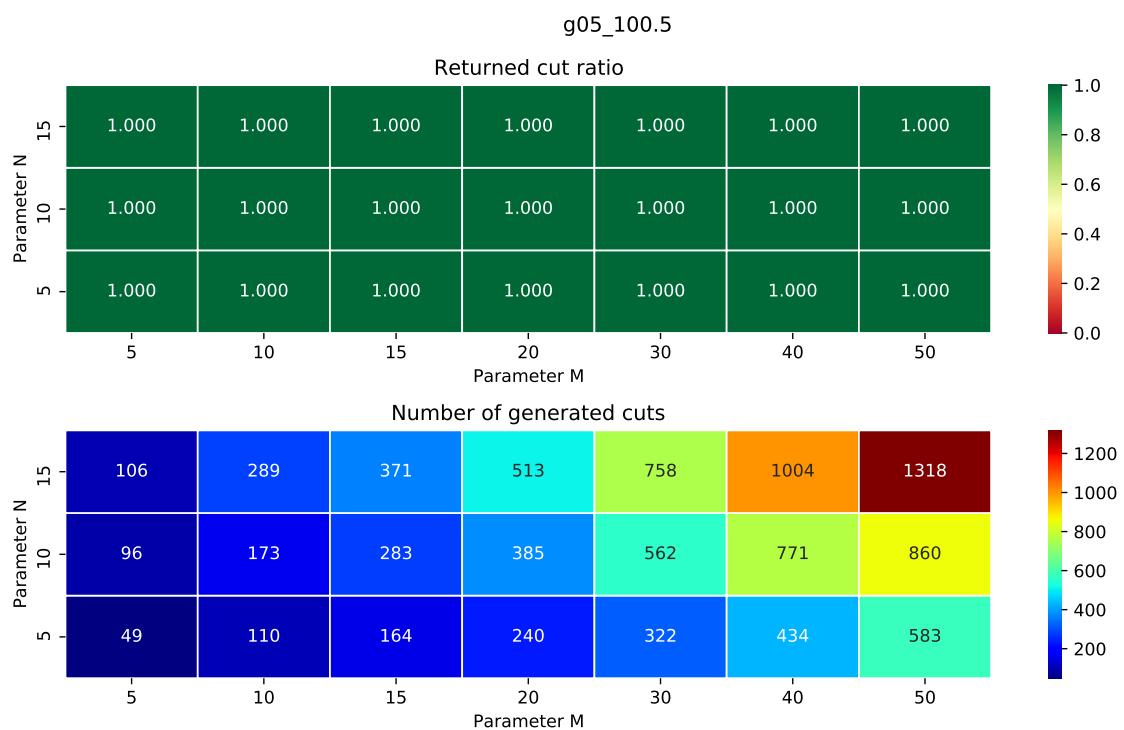


Figure 327: The top plot shows the ratio of returned value and optimal value and the bottom plot shows the number of generated cuts.

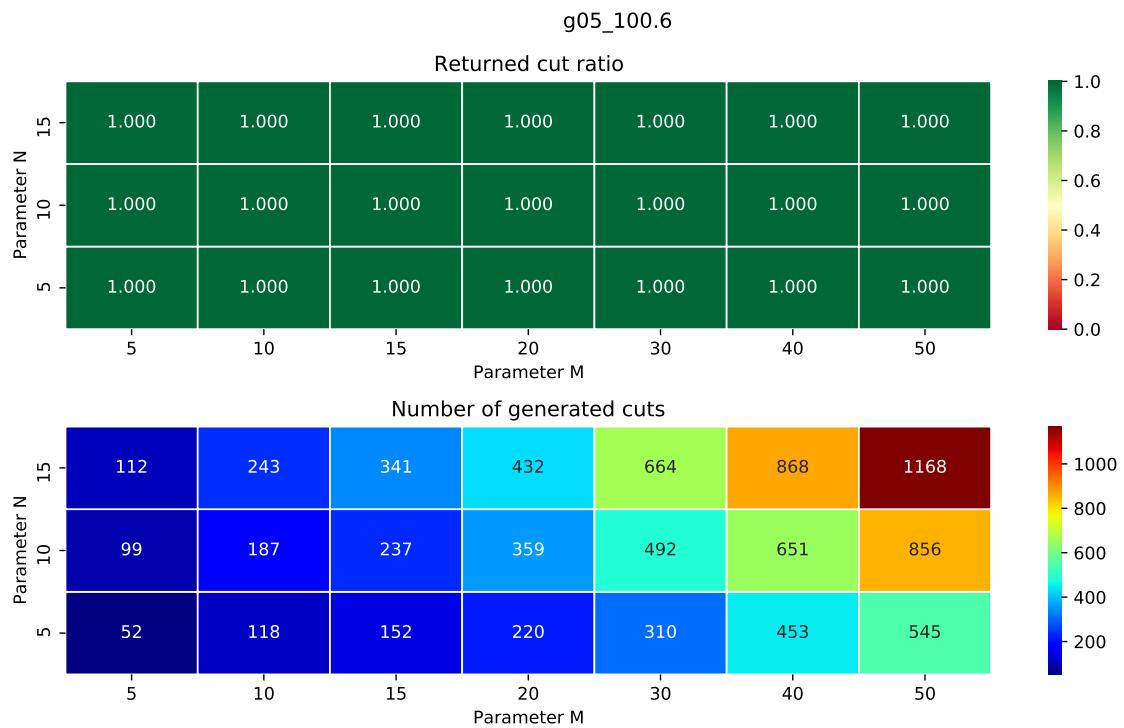


Figure 328: The top plot shows the ratio of returned value and optimal value and the bottom plot shows the number of generated cuts.

g05_100.7

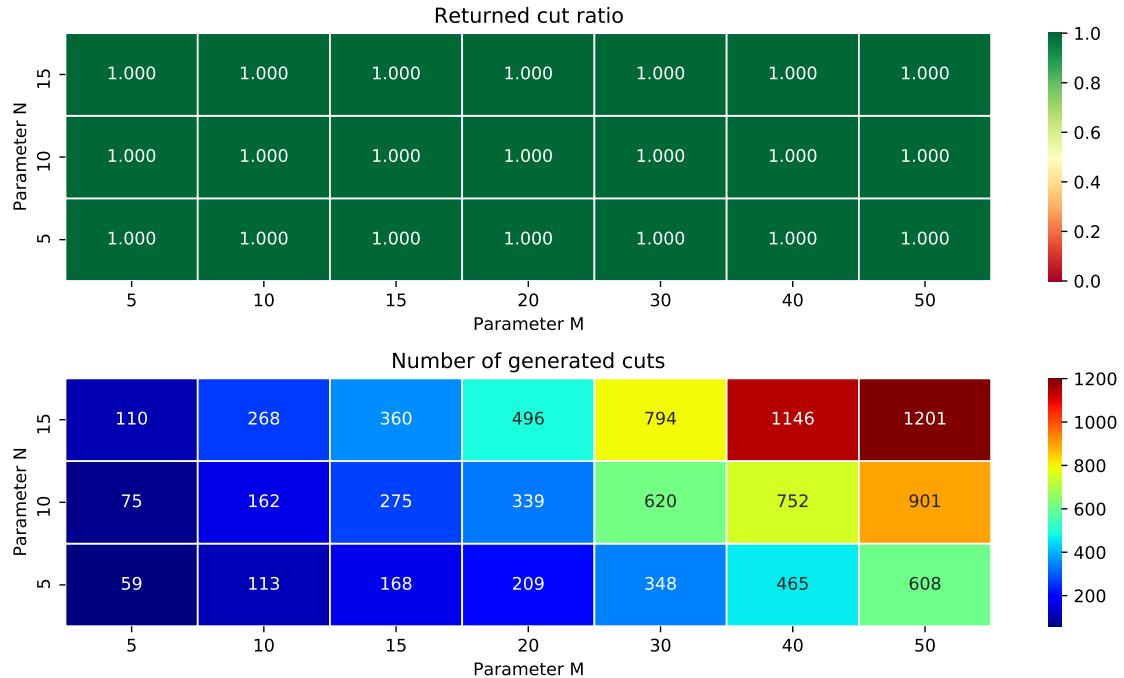


Figure 329: The top plot shows the ratio of returned value and optimal value and the bottom plot shows the number of generated cuts.

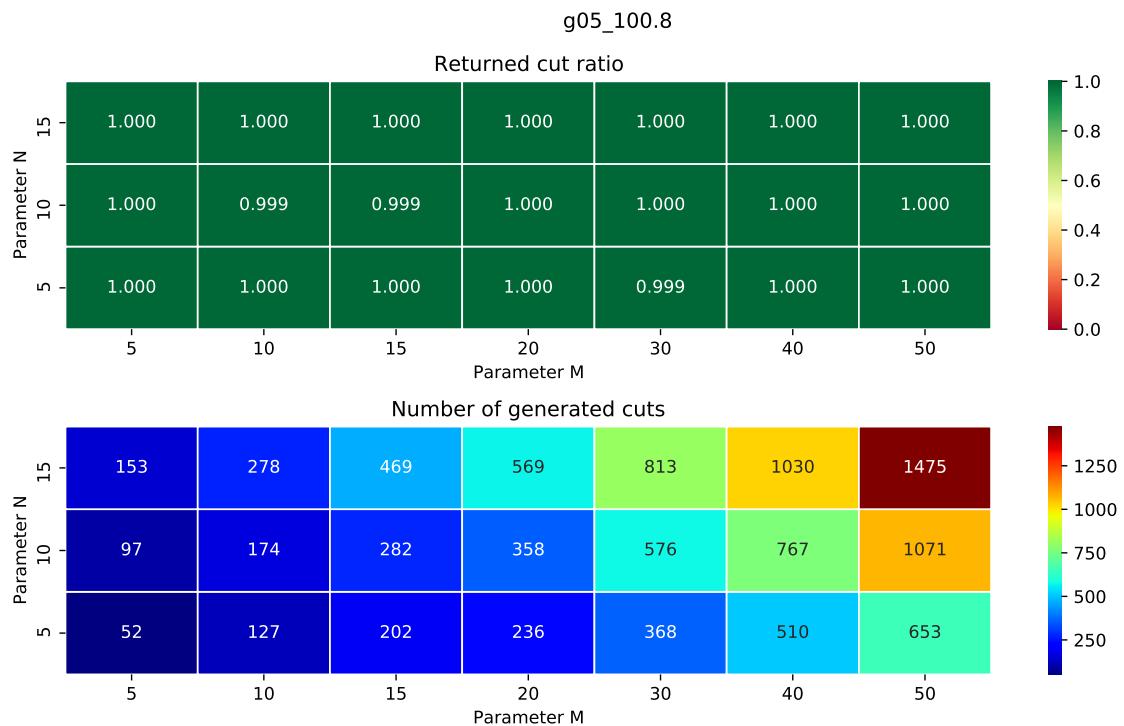


Figure 330: The top plot shows the ratio of returned value and optimal value and the bottom plot shows the number of generated cuts.

g05_100.9

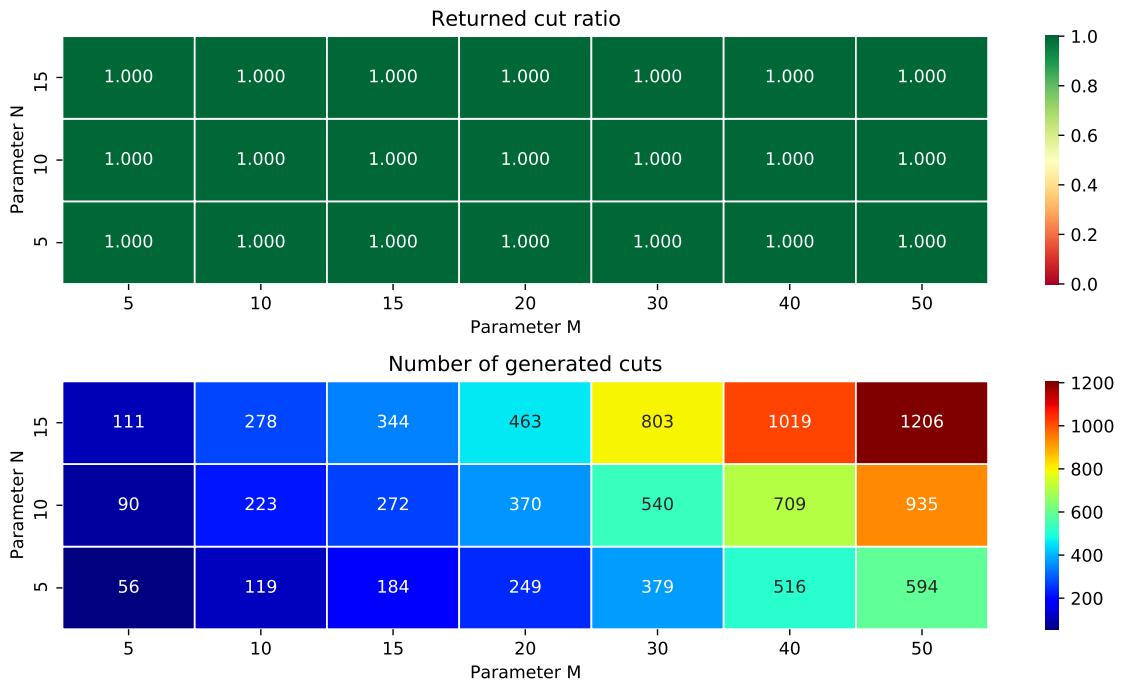


Figure 331: The top plot shows the ratio of returned value and optimal value and the bottom plot shows the number of generated cuts.

8.2 pm1d_n.i

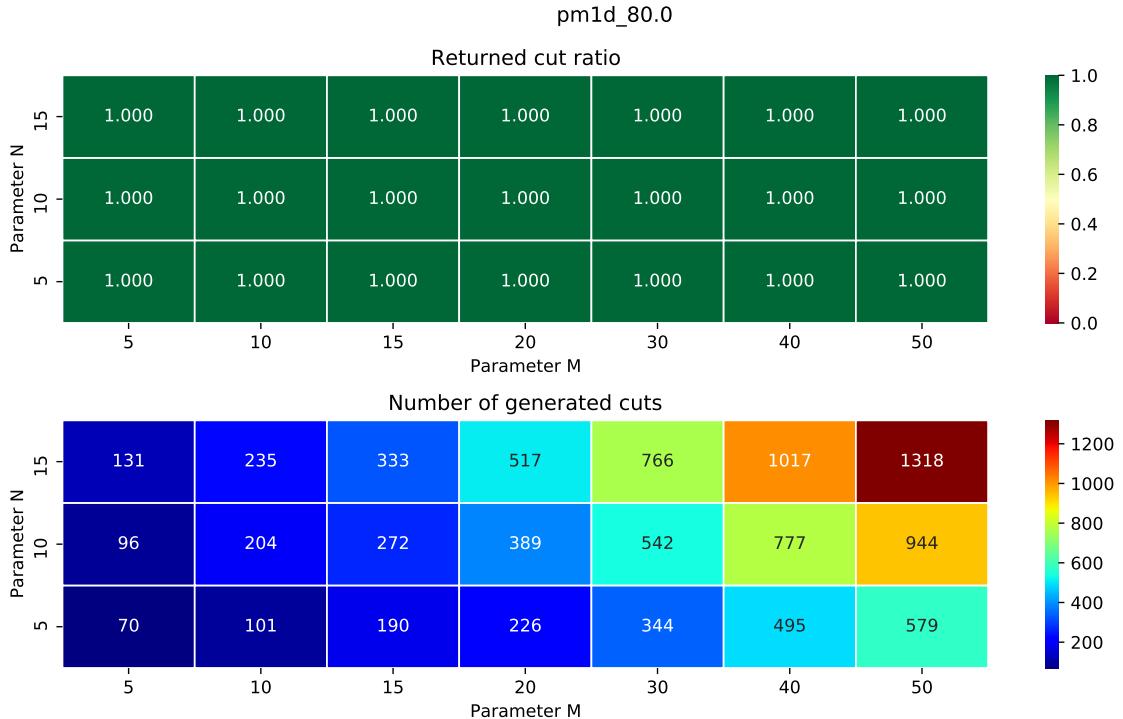


Figure 332: The top plot shows the ratio of returned value and optimal value and the bottom plot shows the number of generated cuts.

pm1d_80.1

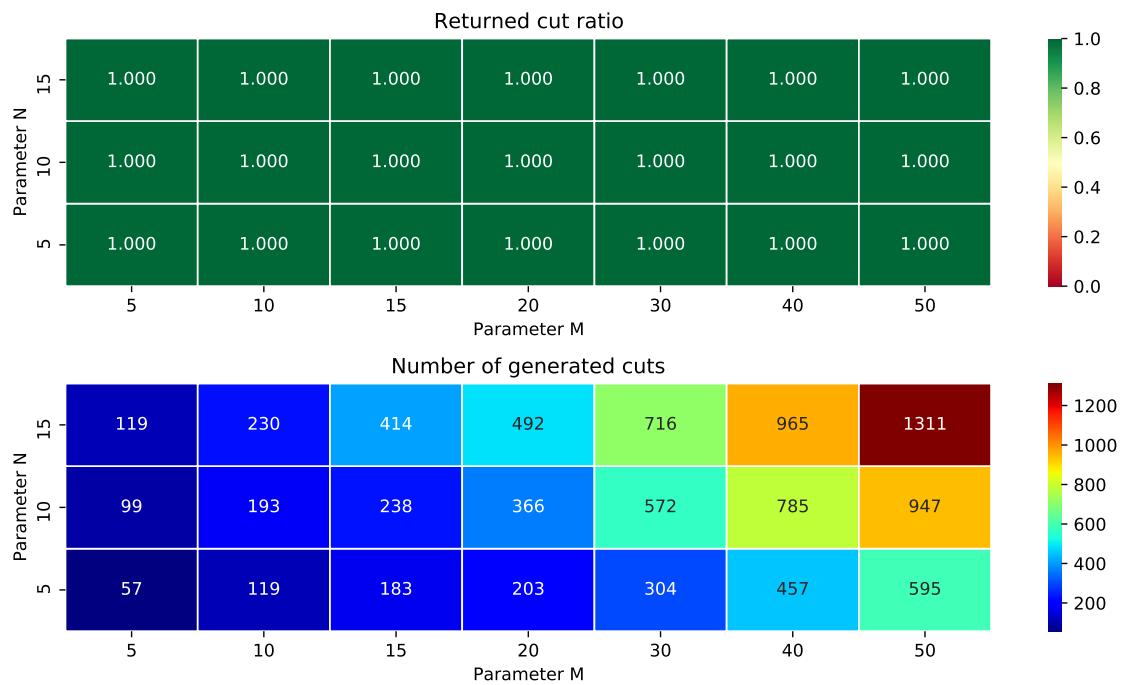


Figure 333: The top plot shows the ratio of returned value and optimal value and the bottom plot shows the number of generated cuts.

pm1d_80.2

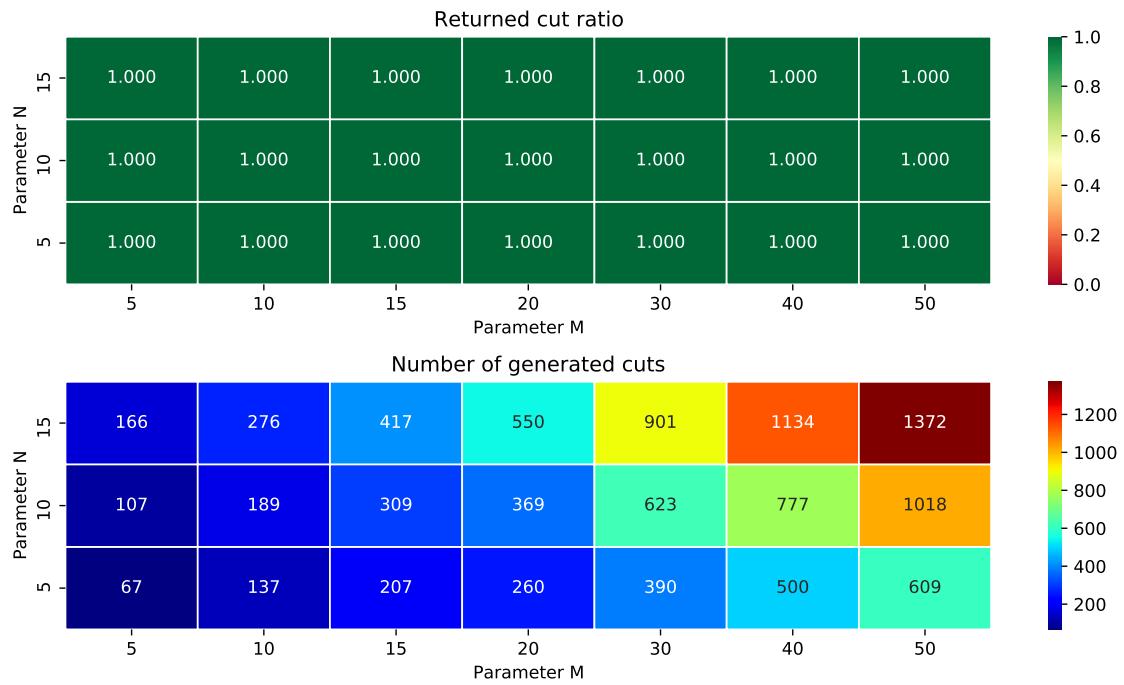


Figure 334: The top plot shows the ratio of returned value and optimal value and the bottom plot shows the number of generated cuts.

pm1d_80.3

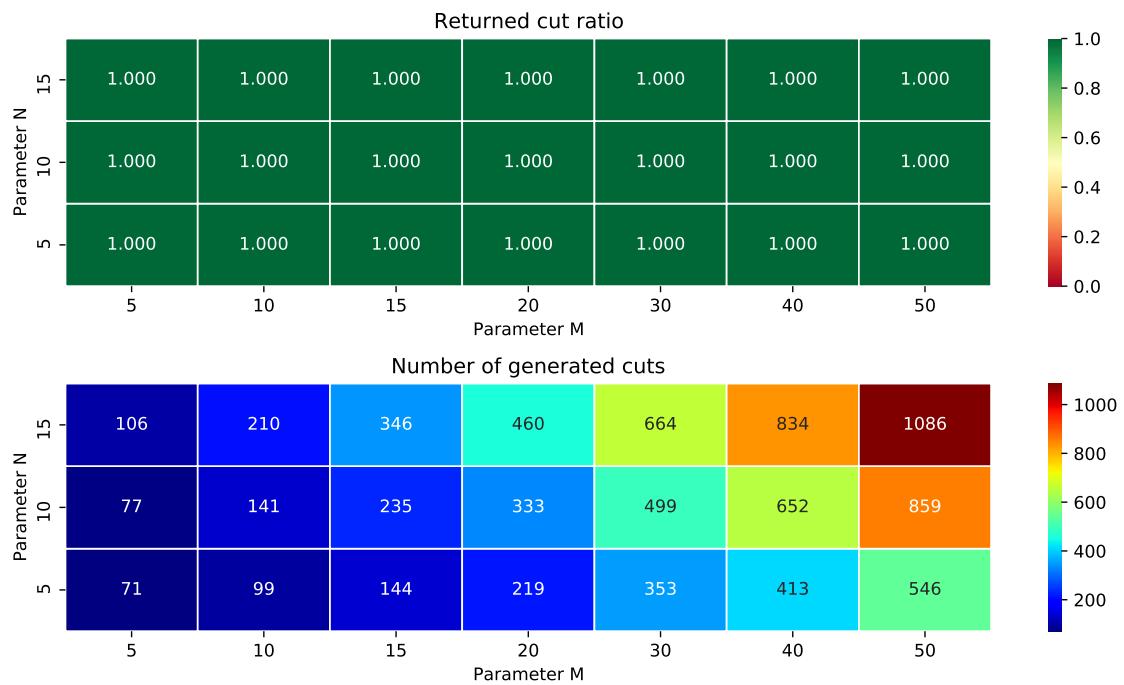


Figure 335: The top plot shows the ratio of returned value and optimal value and the bottom plot shows the number of generated cuts.

pm1d_80.4

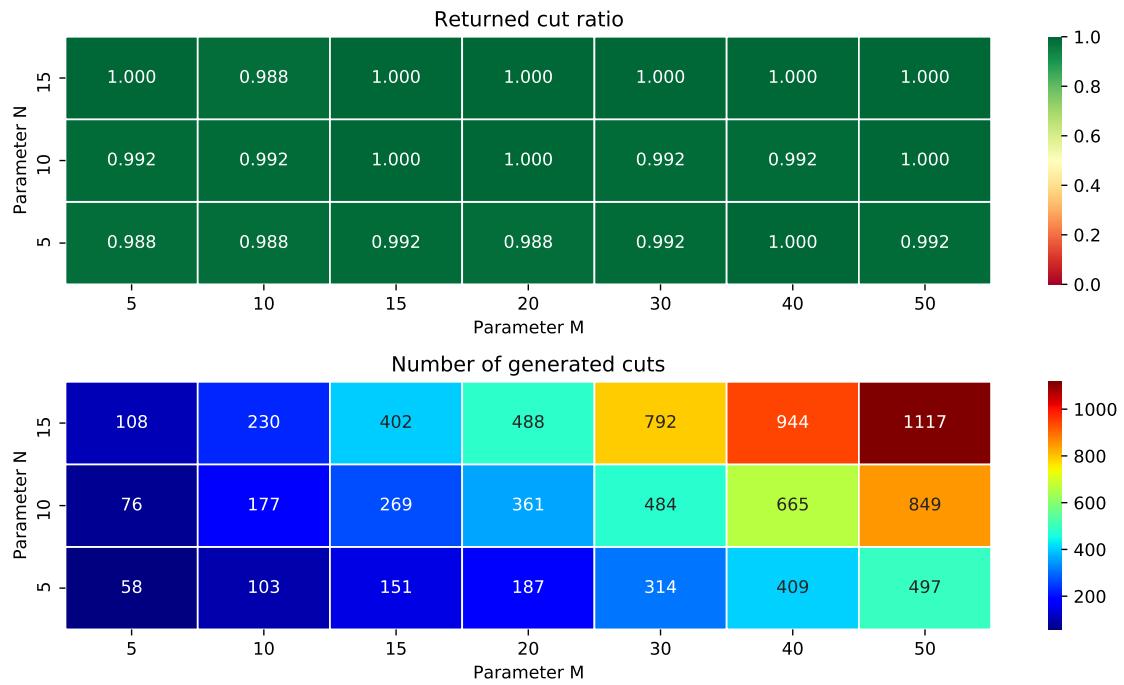


Figure 336: The top plot shows the ratio of returned value and optimal value and the bottom plot shows the number of generated cuts.

pm1d_80.5

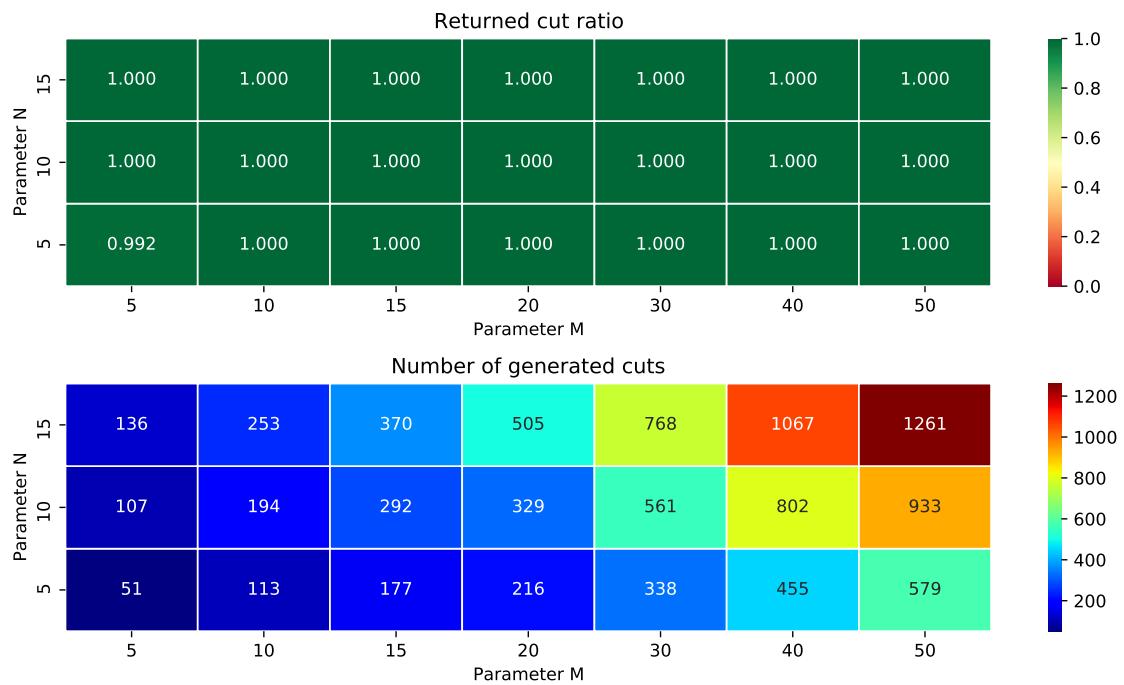


Figure 337: The top plot shows the ratio of returned value and optimal value and the bottom plot shows the number of generated cuts.

pm1d_80.6

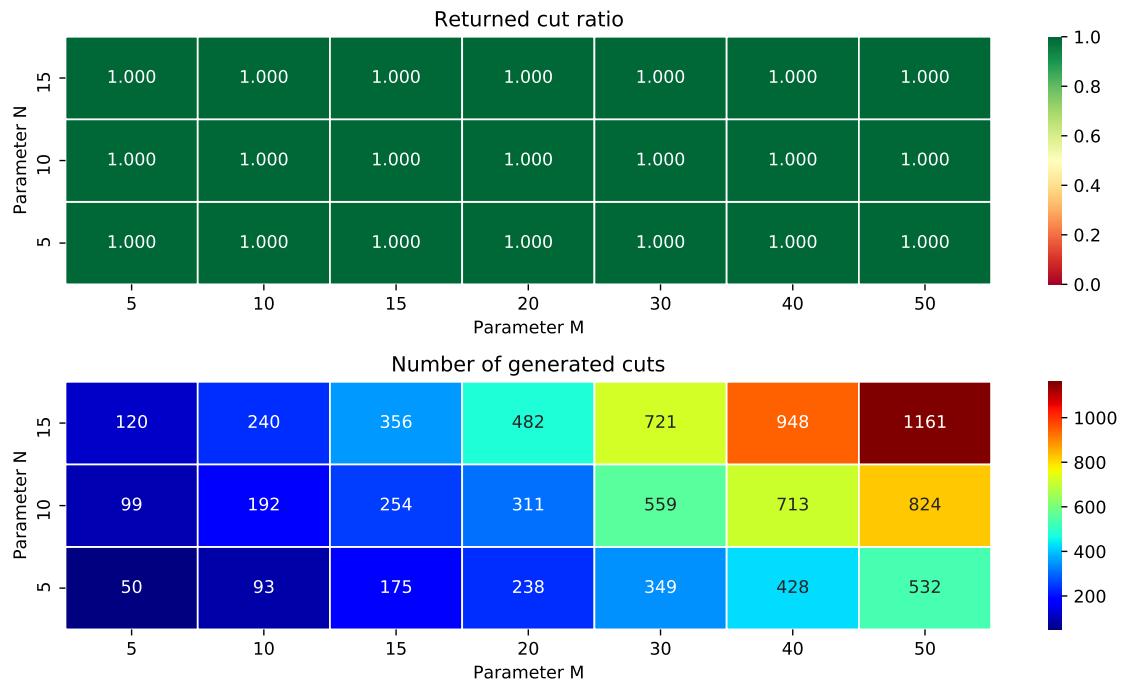


Figure 338: The top plot shows the ratio of returned value and optimal value and the bottom plot shows the number of generated cuts.

pm1d_80.7

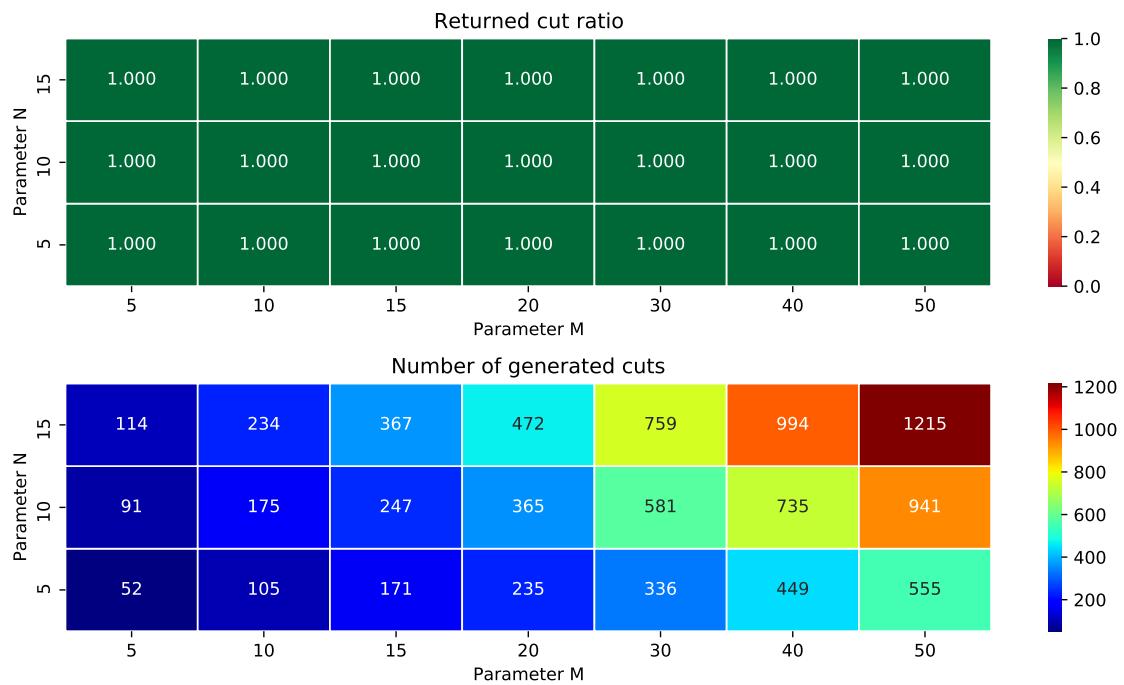


Figure 339: The top plot shows the ratio of returned value and optimal value and the bottom plot shows the number of generated cuts.

pm1d_80.8

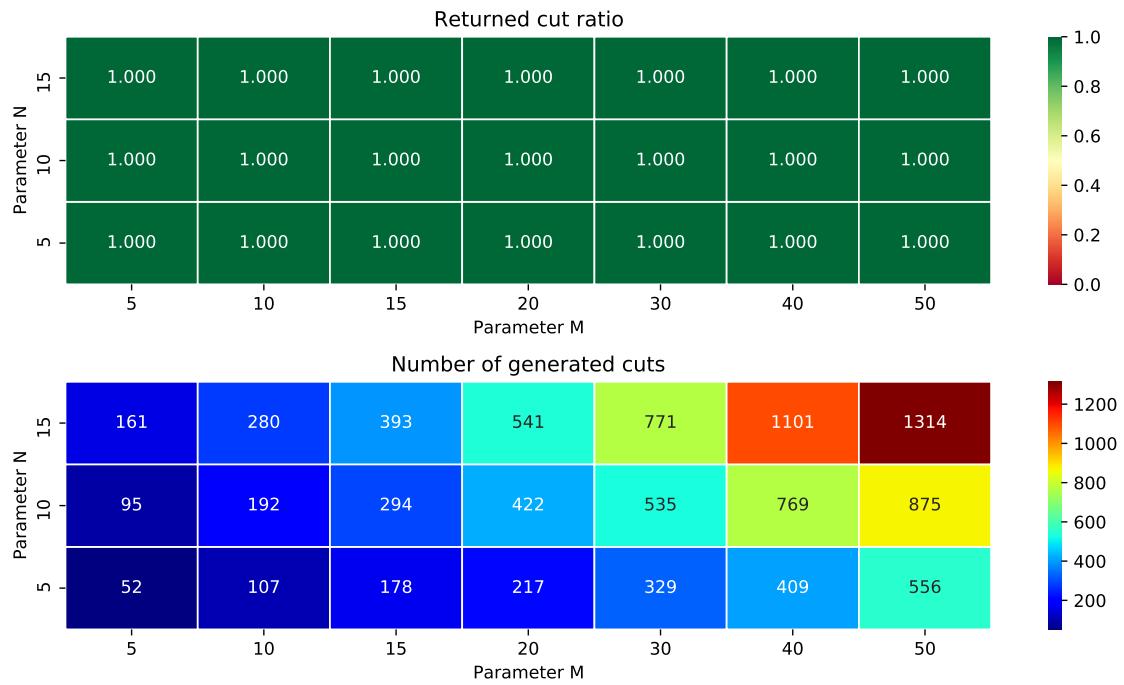


Figure 340: The top plot shows the ratio of returned value and optimal value and the bottom plot shows the number of generated cuts.

pm1d_80.9

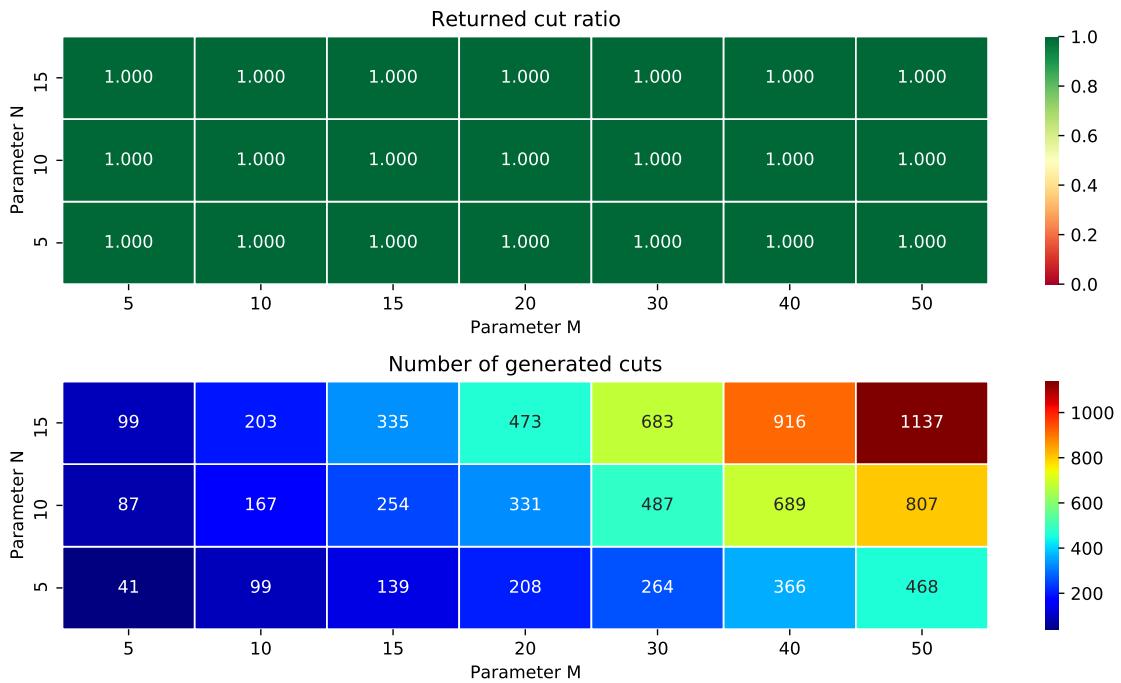


Figure 341: The top plot shows the ratio of returned value and optimal value and the bottom plot shows the number of generated cuts.

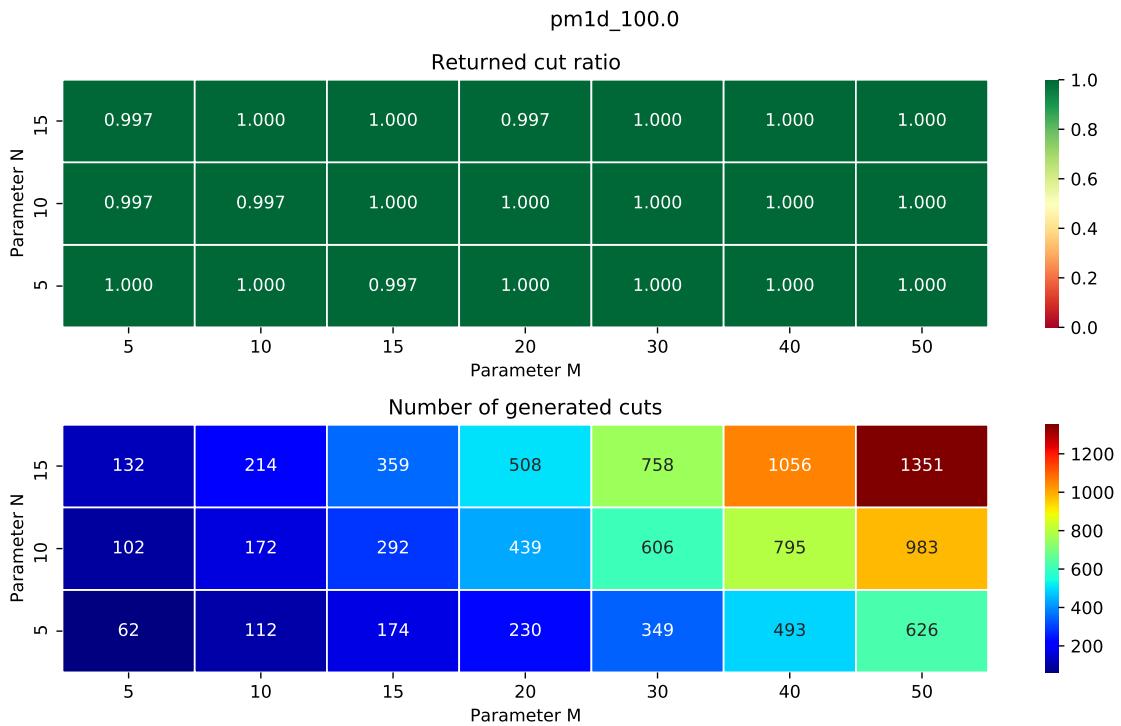


Figure 342: The top plot shows the ratio of returned value and optimal value and the bottom plot shows the number of generated cuts.

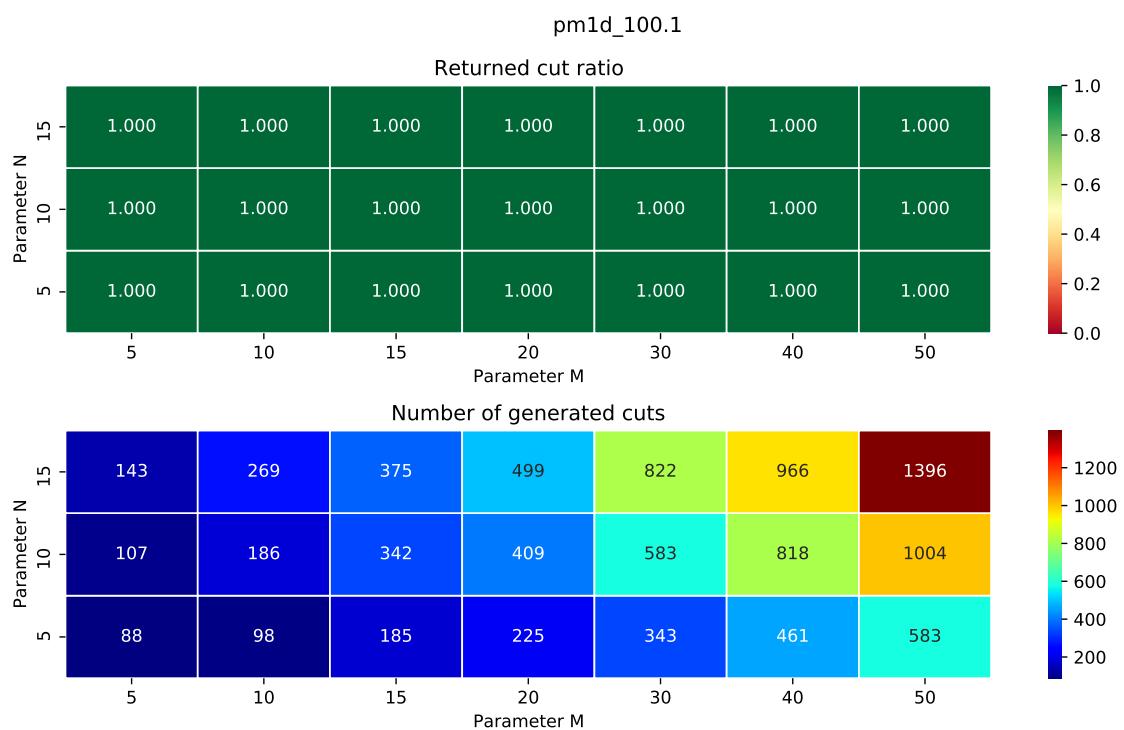


Figure 343: The top plot shows the ratio of returned value and optimal value and the bottom plot shows the number of generated cuts.

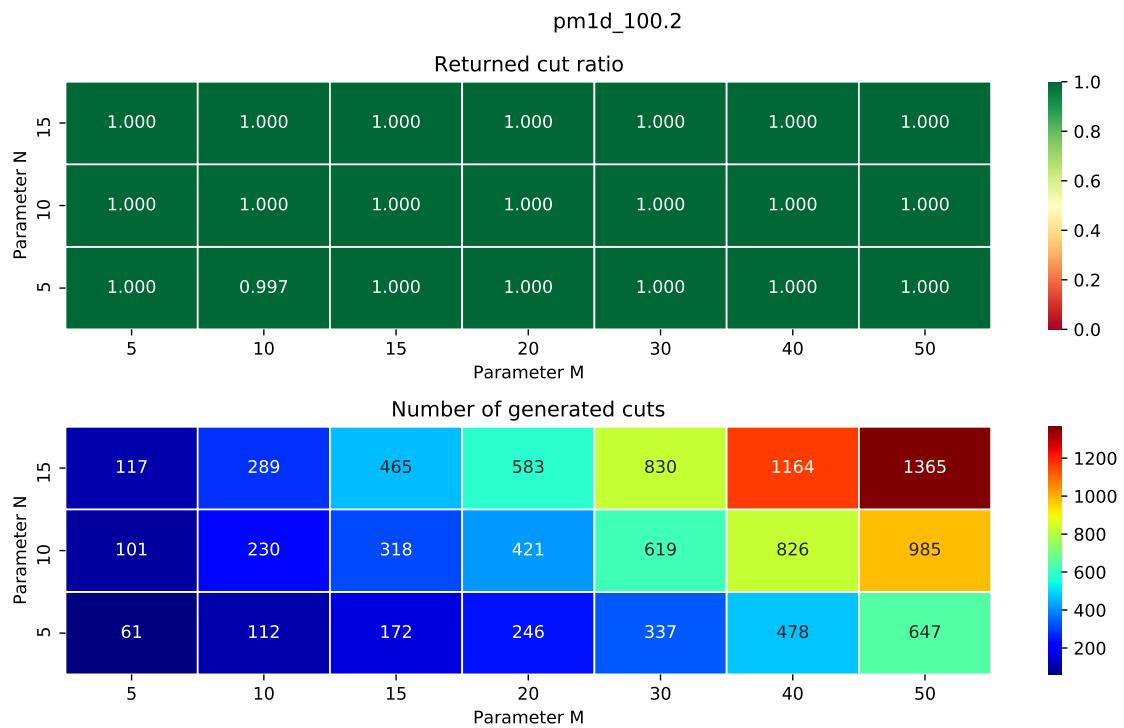


Figure 344: The top plot shows the ratio of returned value and optimal value and the bottom plot shows the number of generated cuts.

pm1d_100.3

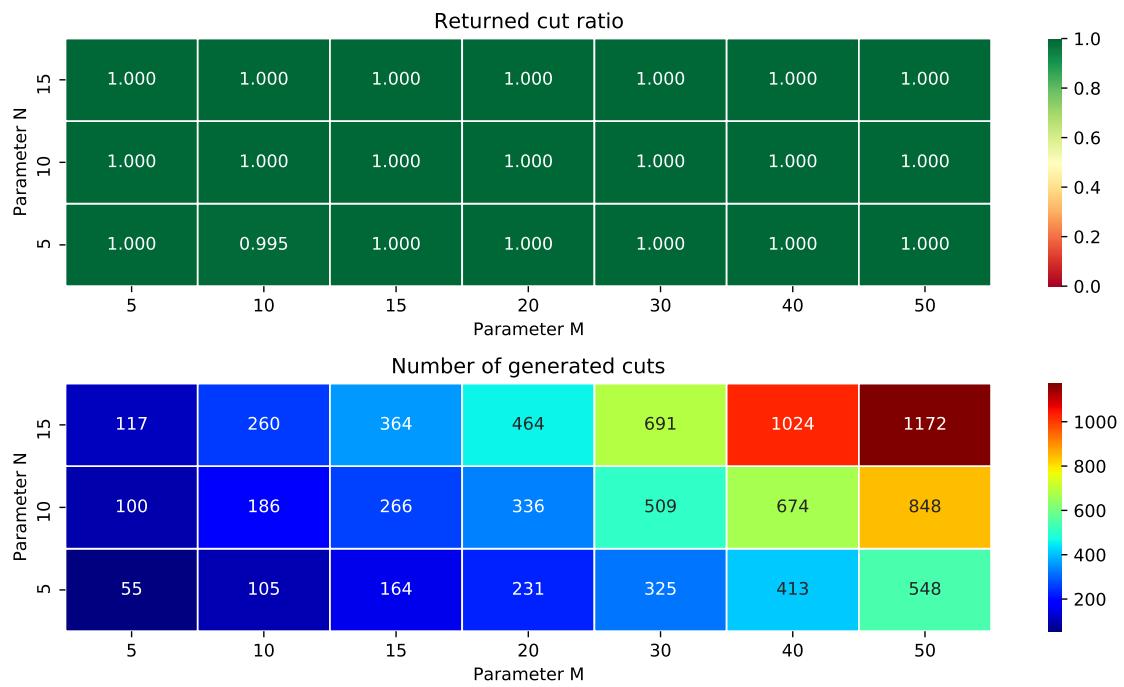


Figure 345: The top plot shows the ratio of returned value and optimal value and the bottom plot shows the number of generated cuts.

pm1d_100.4

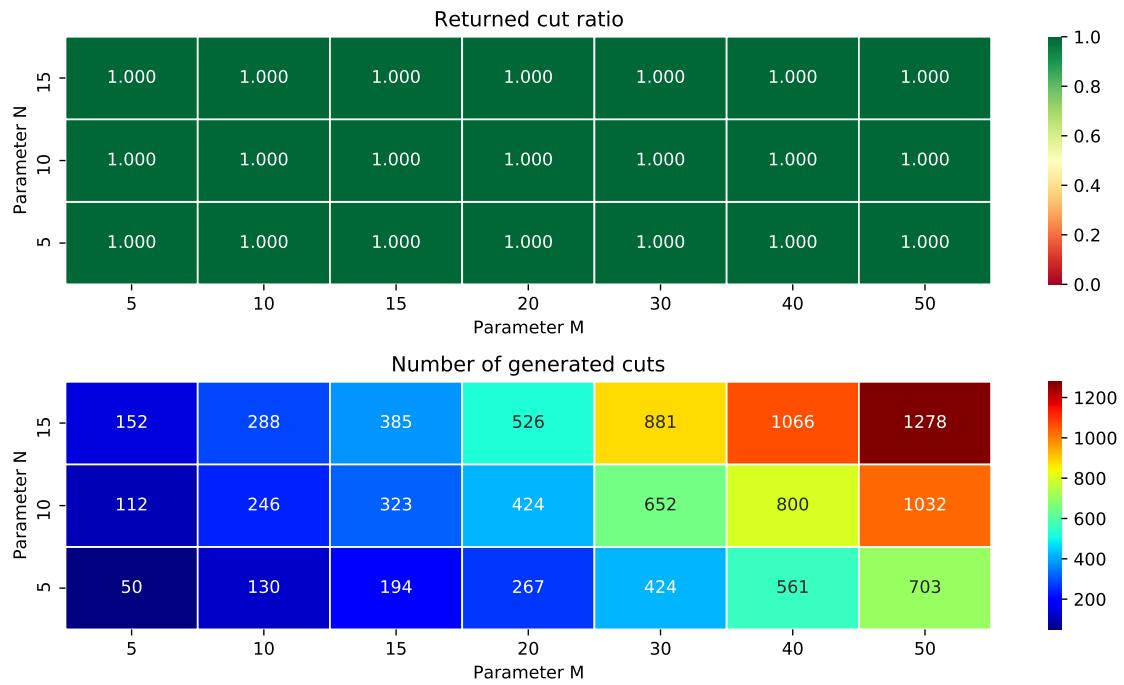


Figure 346: The top plot shows the ratio of returned value and optimal value and the bottom plot shows the number of generated cuts.

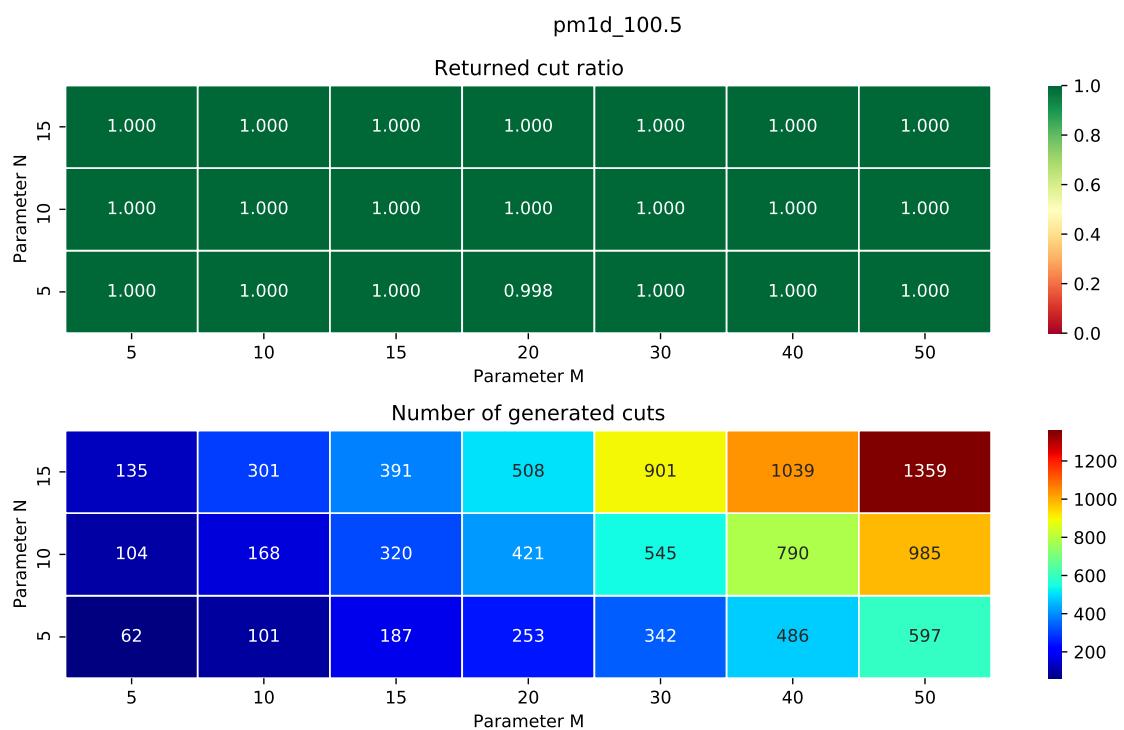


Figure 347: The top plot shows the ratio of returned value and optimal value and the bottom plot shows the number of generated cuts.

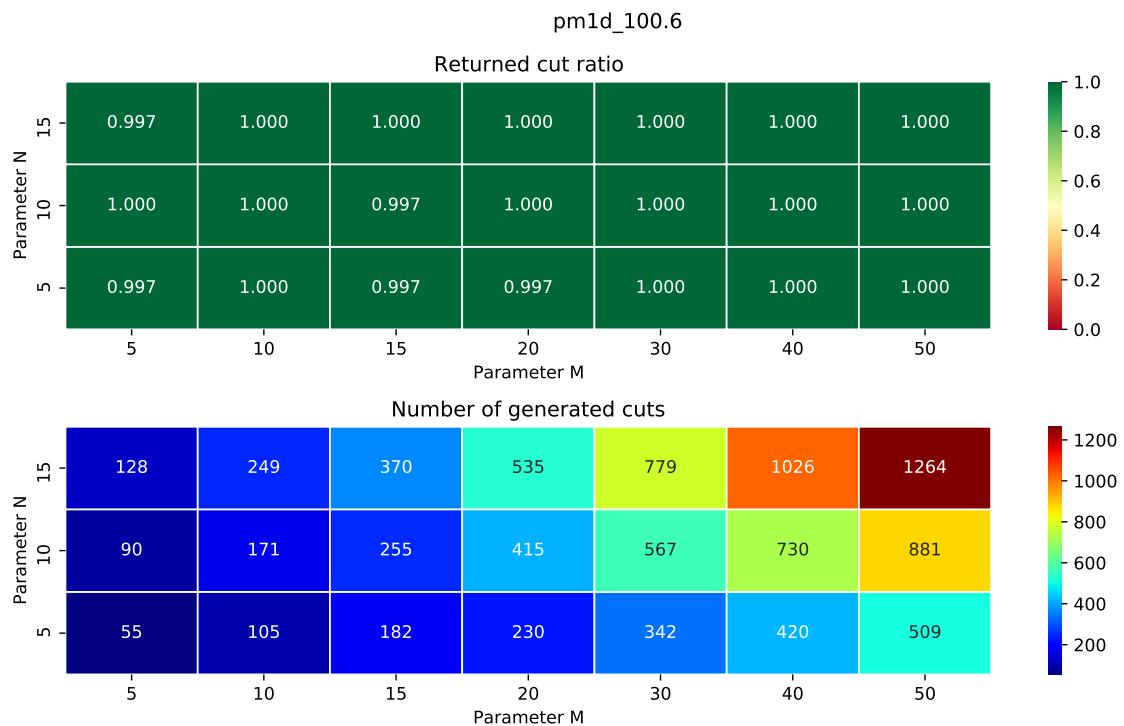


Figure 348: The top plot shows the ratio of returned value and optimal value and the bottom plot shows the number of generated cuts.

pm1d_100.7



Figure 349: The top plot shows the ratio of returned value and optimal value and the bottom plot shows the number of generated cuts.

pm1d_100.8

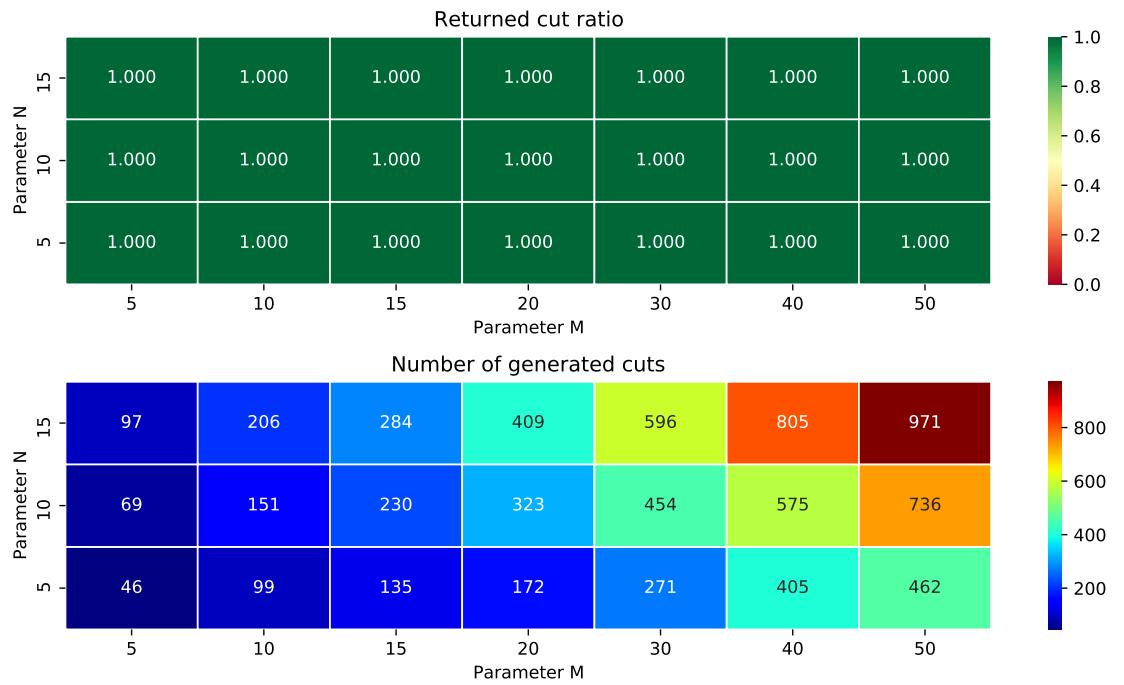


Figure 350: The top plot shows the ratio of returned value and optimal value and the bottom plot shows the number of generated cuts.

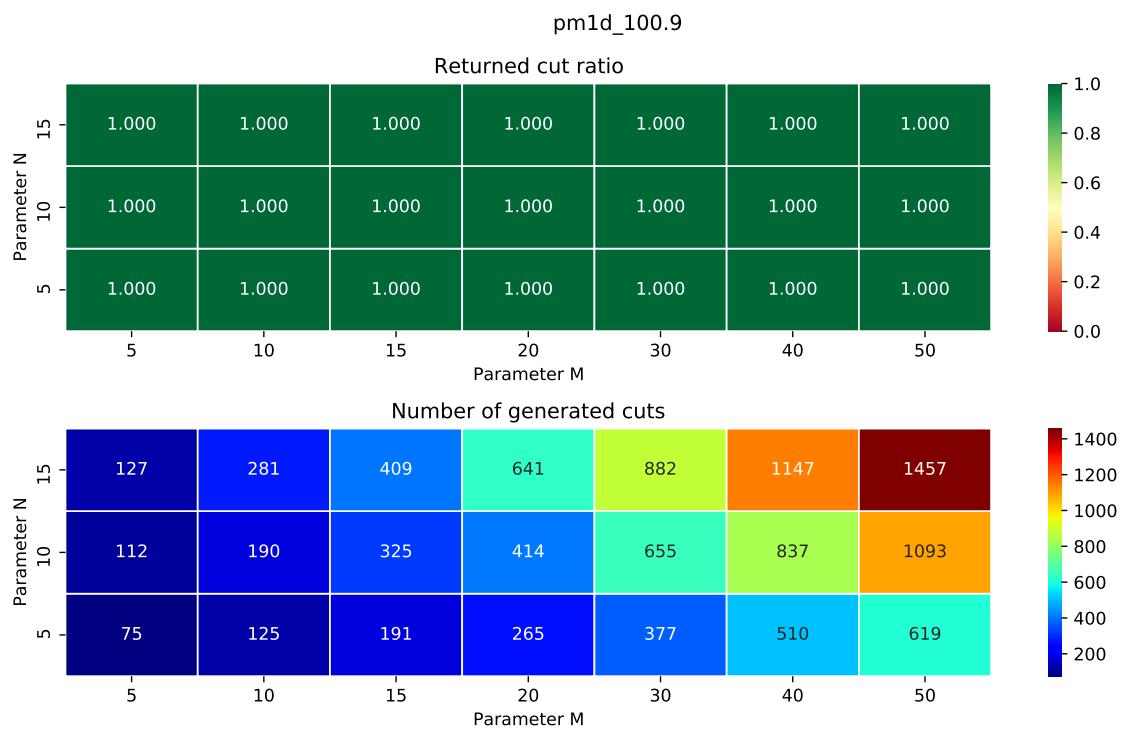


Figure 351: The top plot shows the ratio of returned value and optimal value and the bottom plot shows the number of generated cuts.

8.3 pm1s_n.i

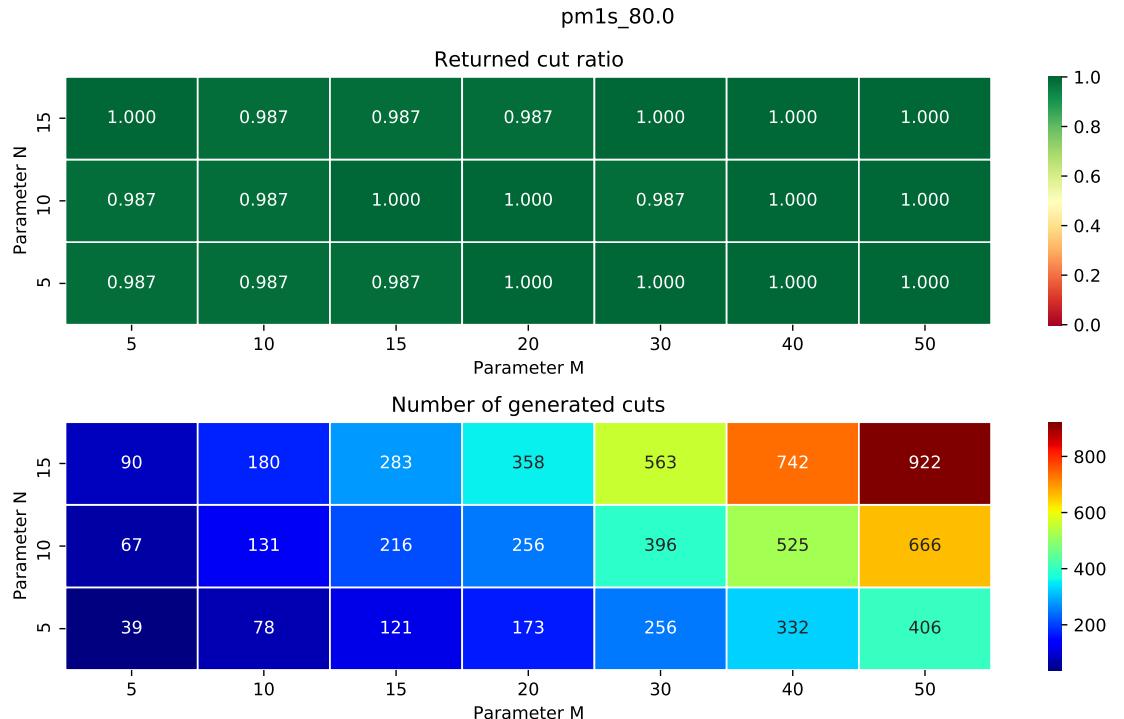


Figure 352: The top plot shows the ratio of returned value and optimal value and the bottom plot shows the number of generated cuts.

pm1s_80.1



Figure 353: The top plot shows the ratio of returned value and optimal value and the bottom plot shows the number of generated cuts.

pm1s_80.2



Figure 354: The top plot shows the ratio of returned value and optimal value and the bottom plot shows the number of generated cuts.

pm1s_80.3

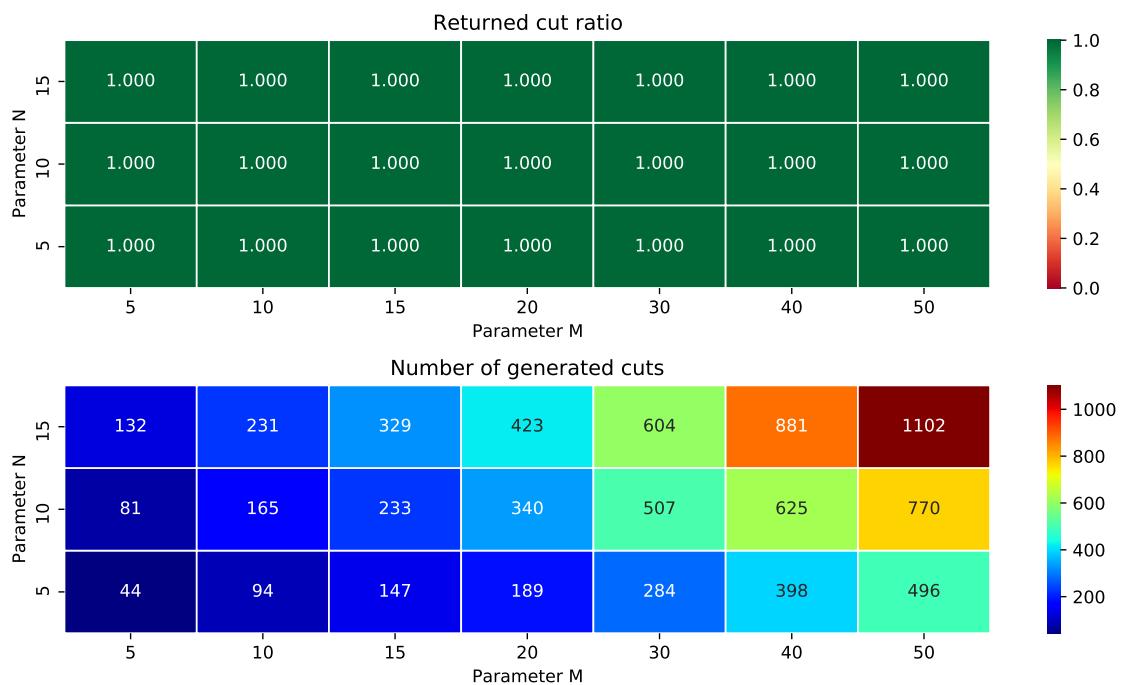


Figure 355: The top plot shows the ratio of returned value and optimal value and the bottom plot shows the number of generated cuts.

pm1s_80.4

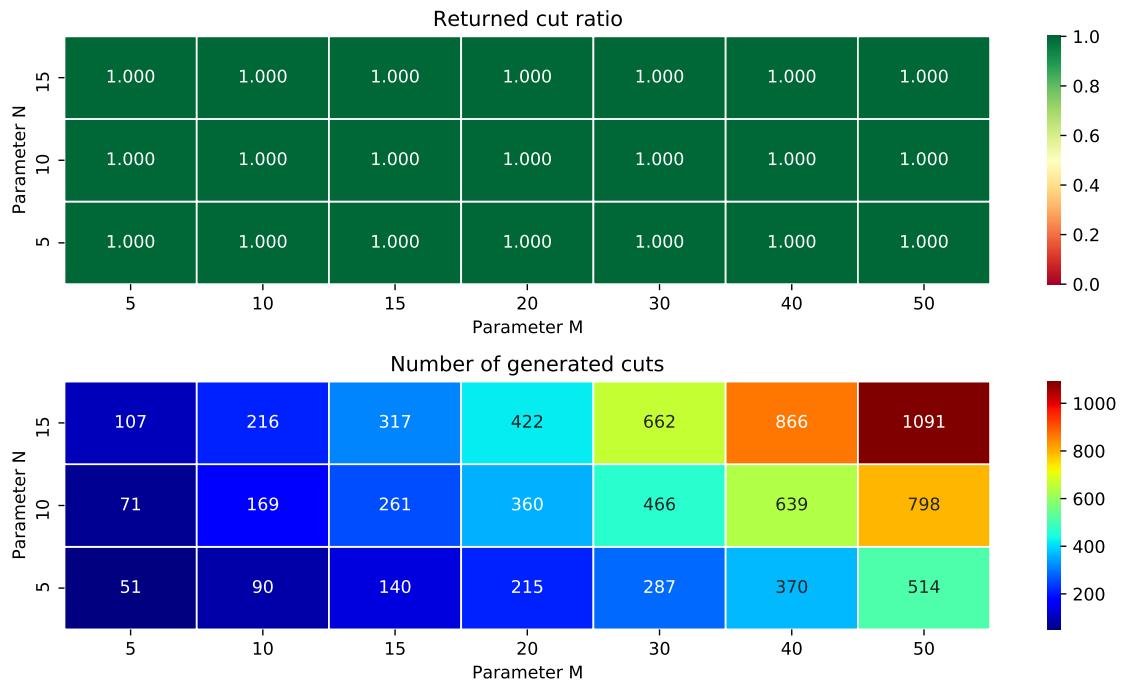


Figure 356: The top plot shows the ratio of returned value and optimal value and the bottom plot shows the number of generated cuts.

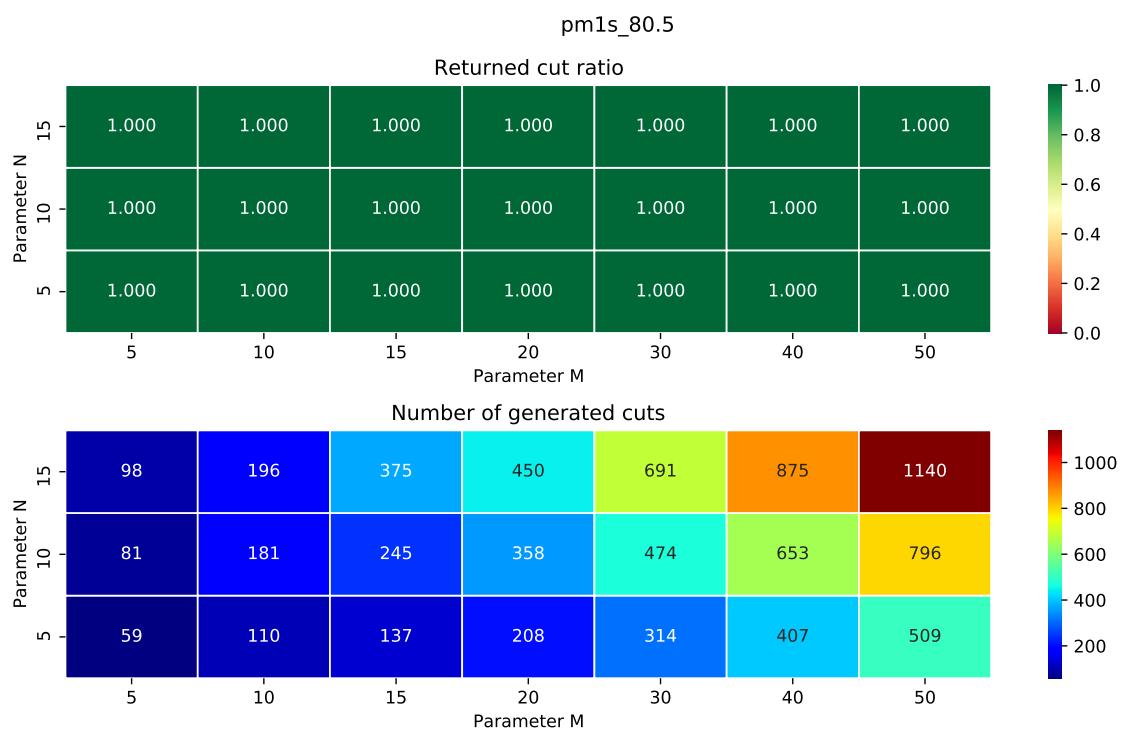


Figure 357: The top plot shows the ratio of returned value and optimal value and the bottom plot shows the number of generated cuts.

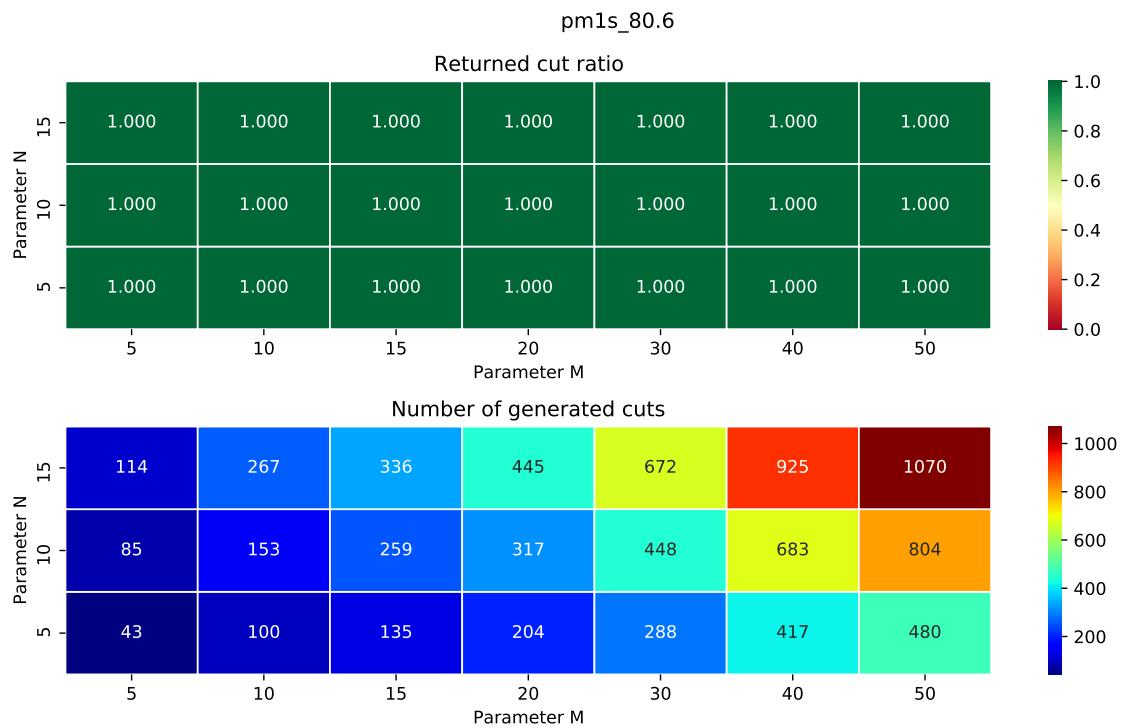


Figure 358: The top plot shows the ratio of returned value and optimal value and the bottom plot shows the number of generated cuts.

pm1s_80.7

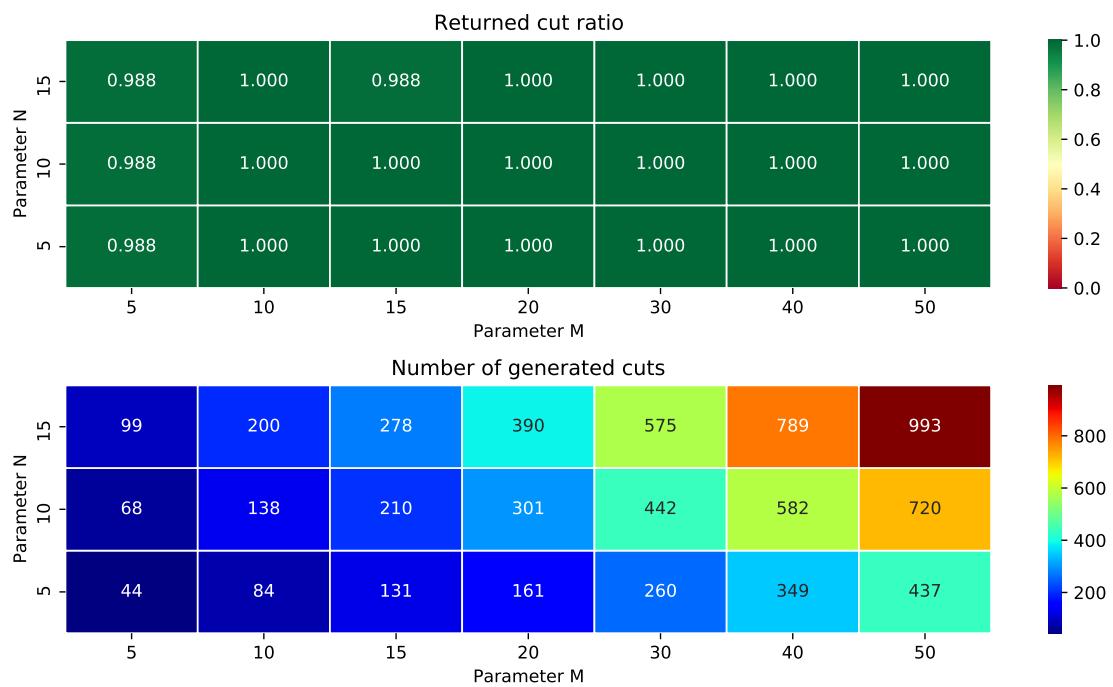


Figure 359: The top plot shows the ratio of returned value and optimal value and the bottom plot shows the number of generated cuts.

pm1s_80.8

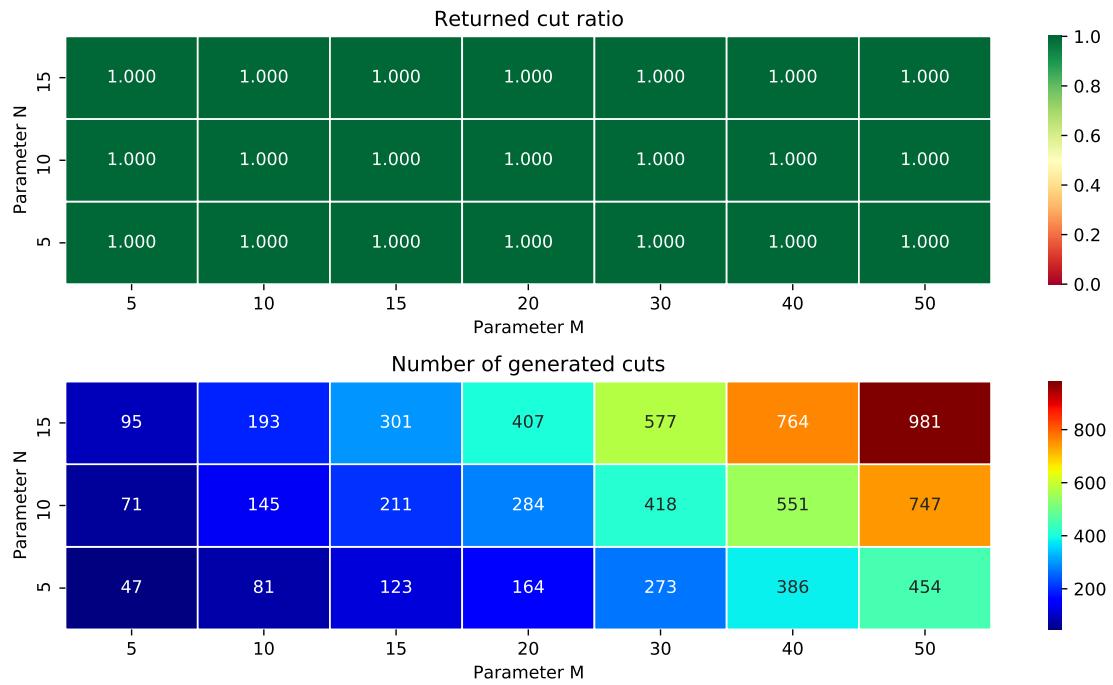


Figure 360: The top plot shows the ratio of returned value and optimal value and the bottom plot shows the number of generated cuts.

pm1s_80.9

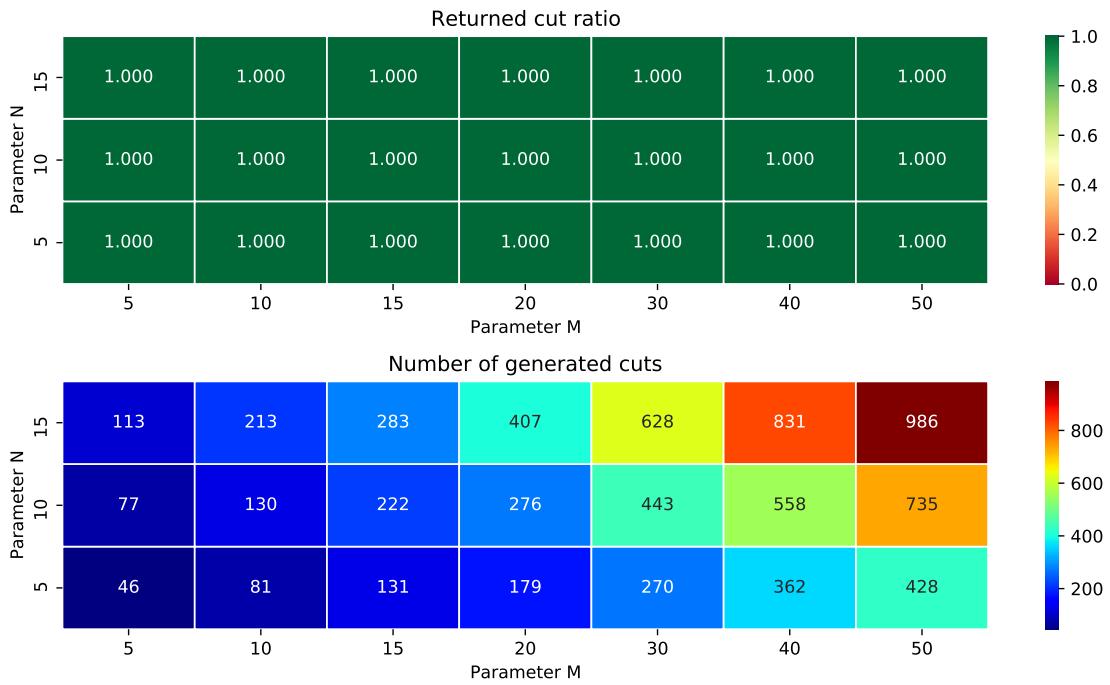


Figure 361: The top plot shows the ratio of returned value and optimal value and the bottom plot shows the number of generated cuts.

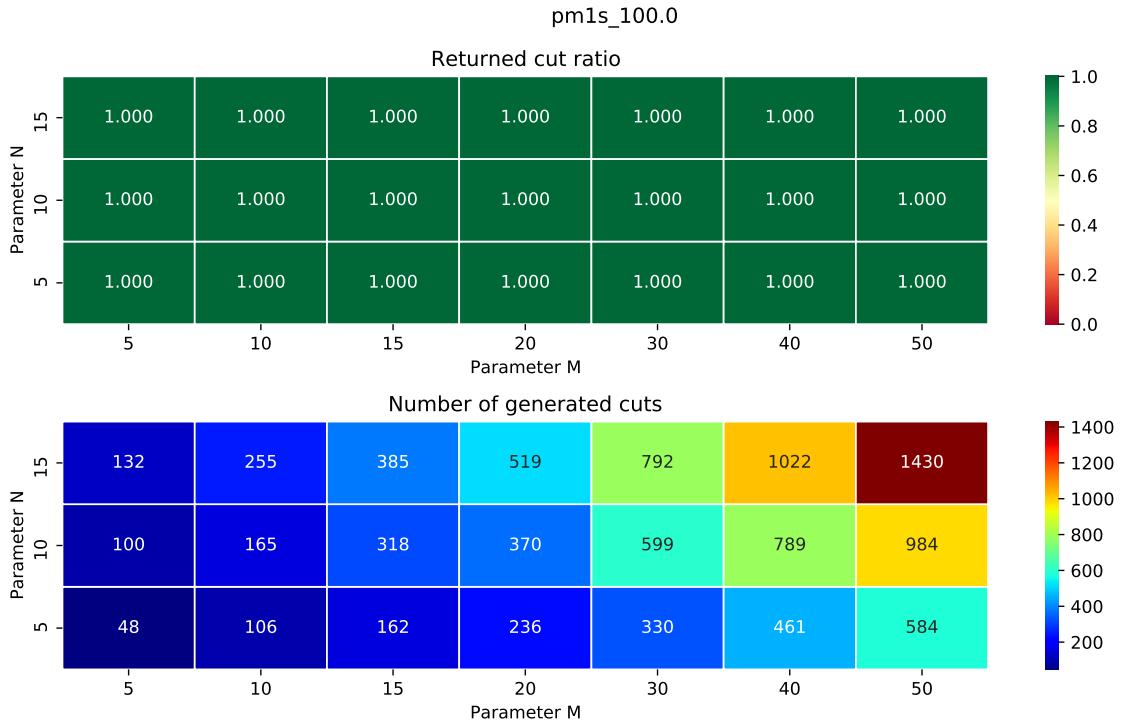


Figure 362: The top plot shows the ratio of returned value and optimal value and the bottom plot shows the number of generated cuts.

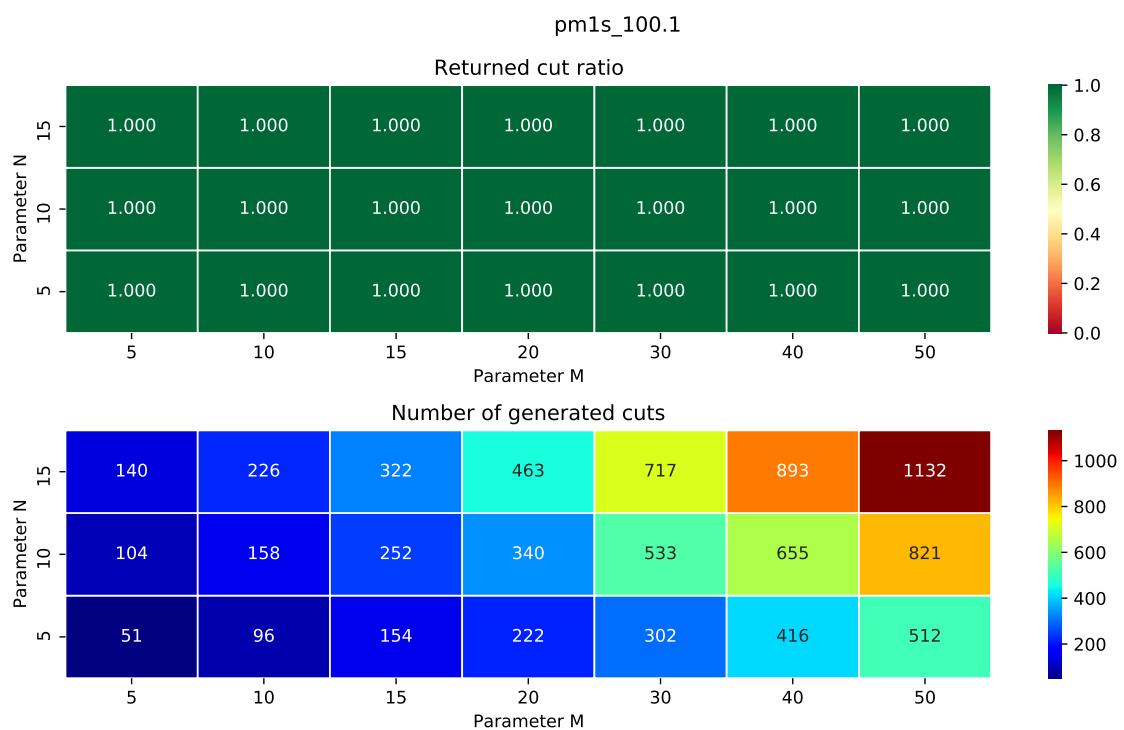


Figure 363: The top plot shows the ratio of returned value and optimal value and the bottom plot shows the number of generated cuts.

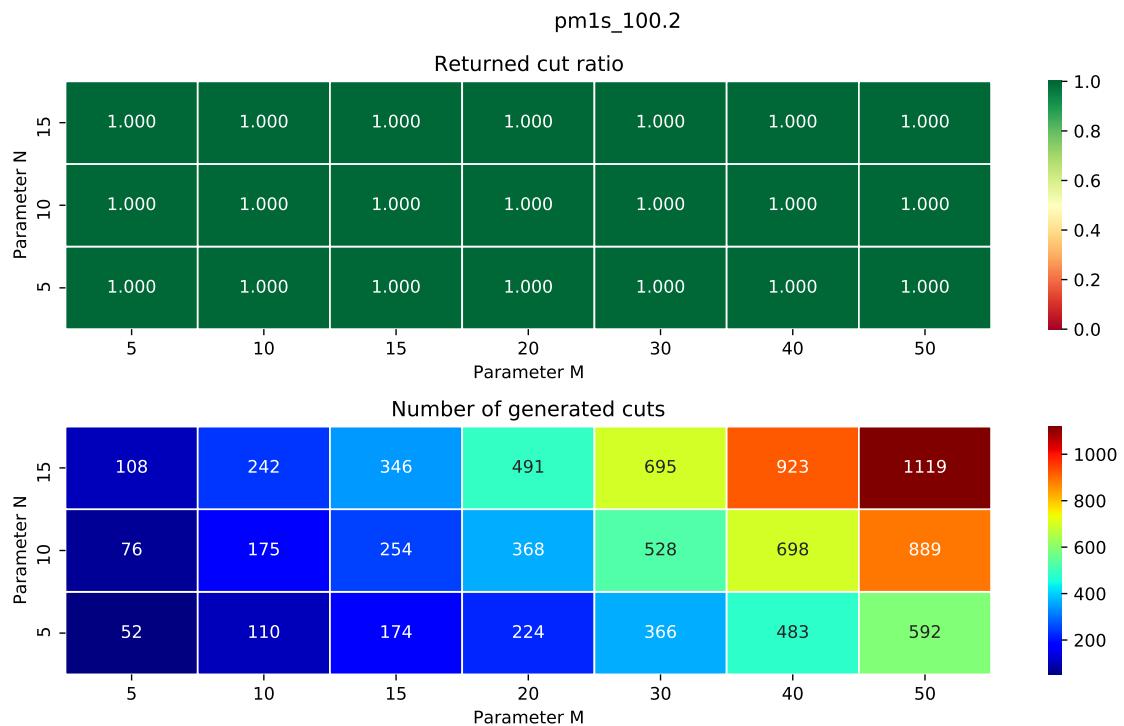


Figure 364: The top plot shows the ratio of returned value and optimal value and the bottom plot shows the number of generated cuts.

pm1s_100.3

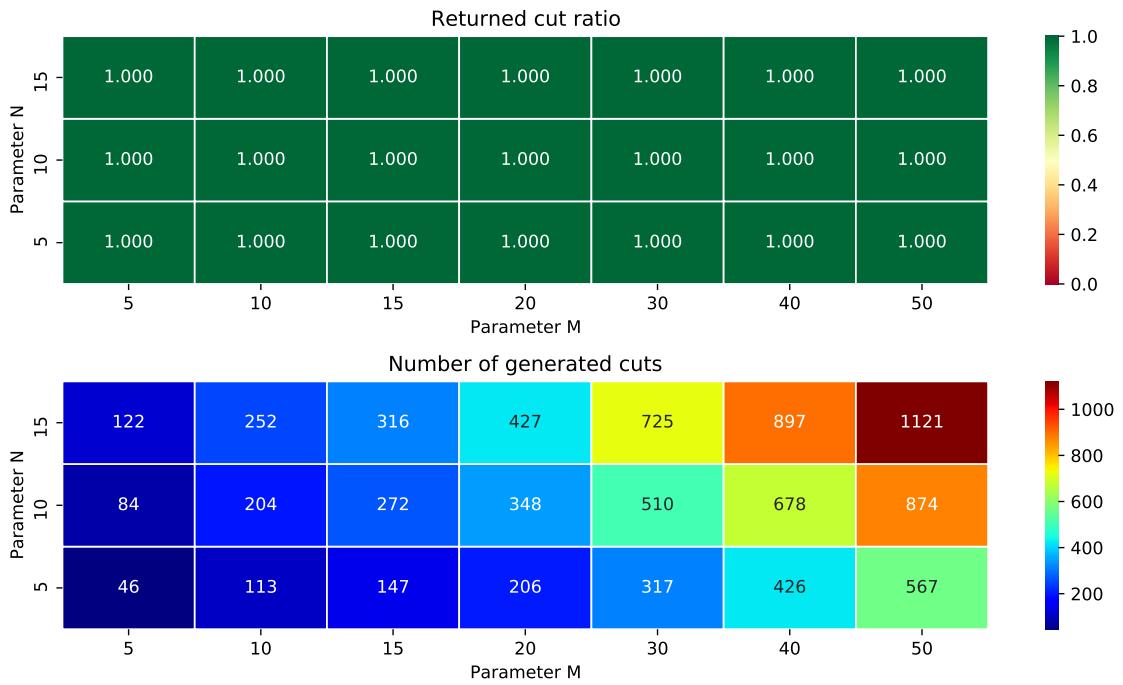


Figure 365: The top plot shows the ratio of returned value and optimal value and the bottom plot shows the number of generated cuts.

pm1s_100.4

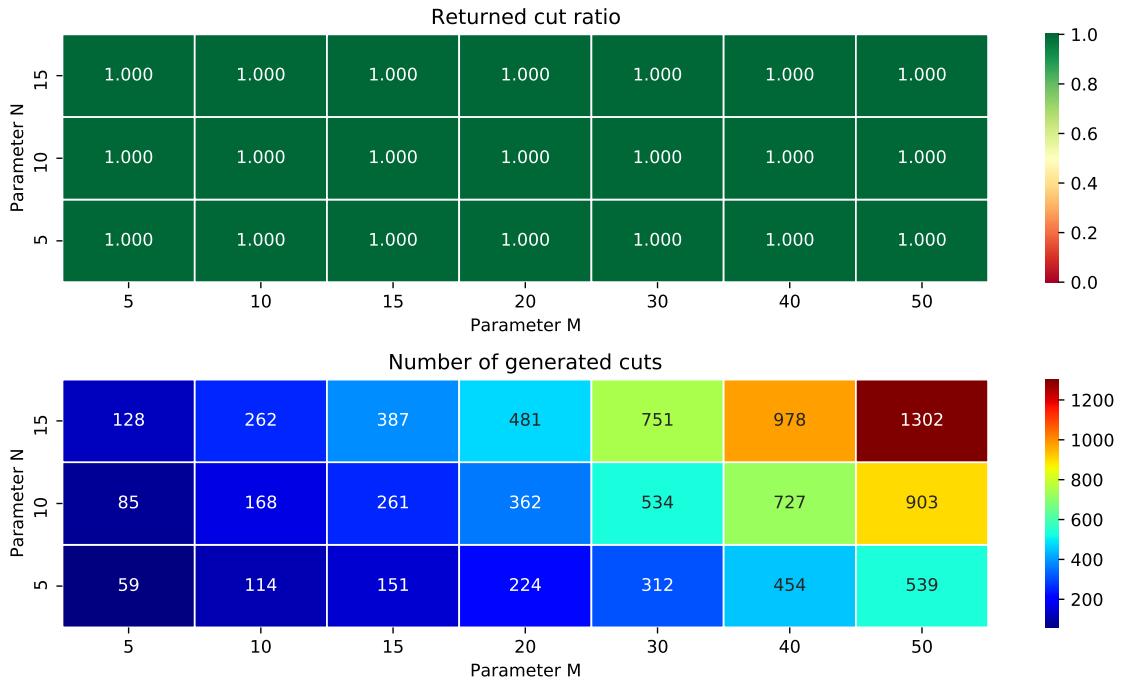


Figure 366: The top plot shows the ratio of returned value and optimal value and the bottom plot shows the number of generated cuts.

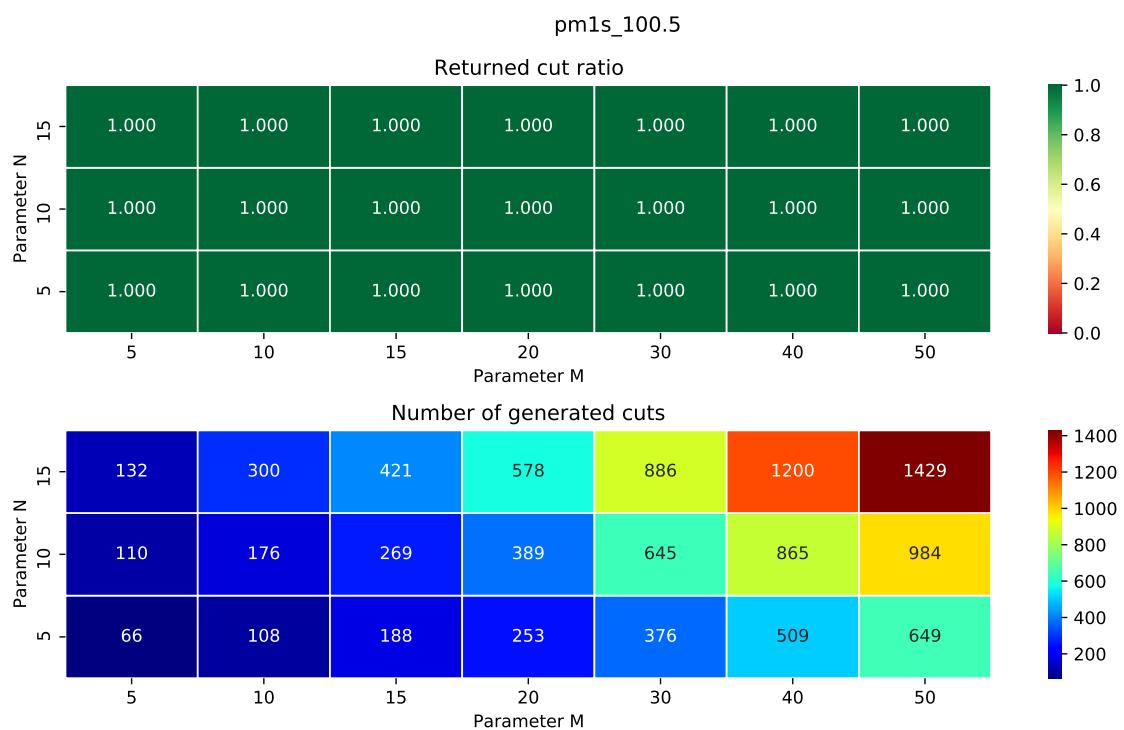


Figure 367: The top plot shows the ratio of returned value and optimal value and the bottom plot shows the number of generated cuts.

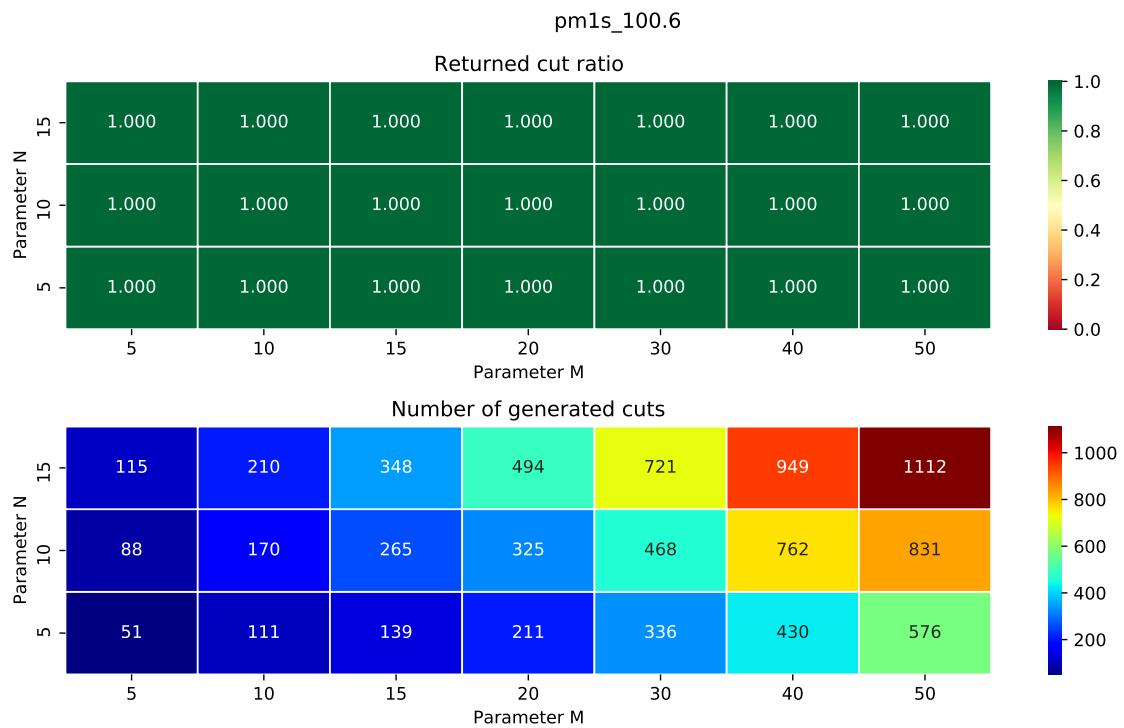


Figure 368: The top plot shows the ratio of returned value and optimal value and the bottom plot shows the number of generated cuts.

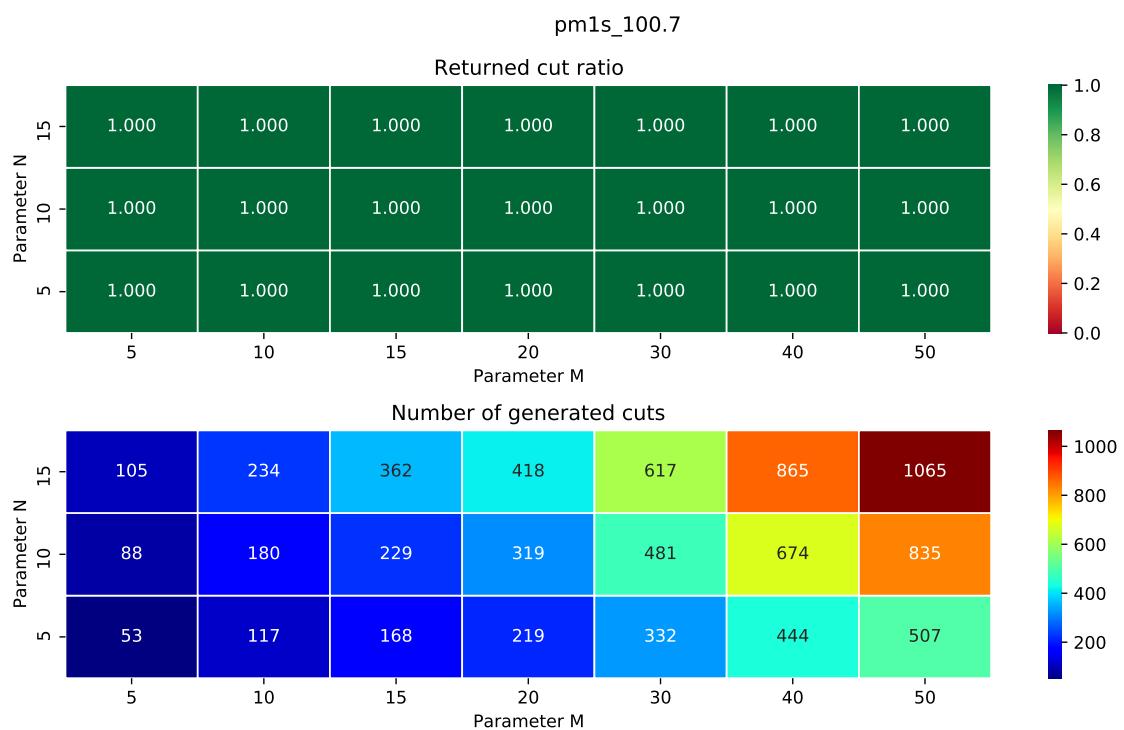


Figure 369: The top plot shows the ratio of returned value and optimal value and the bottom plot shows the number of generated cuts.

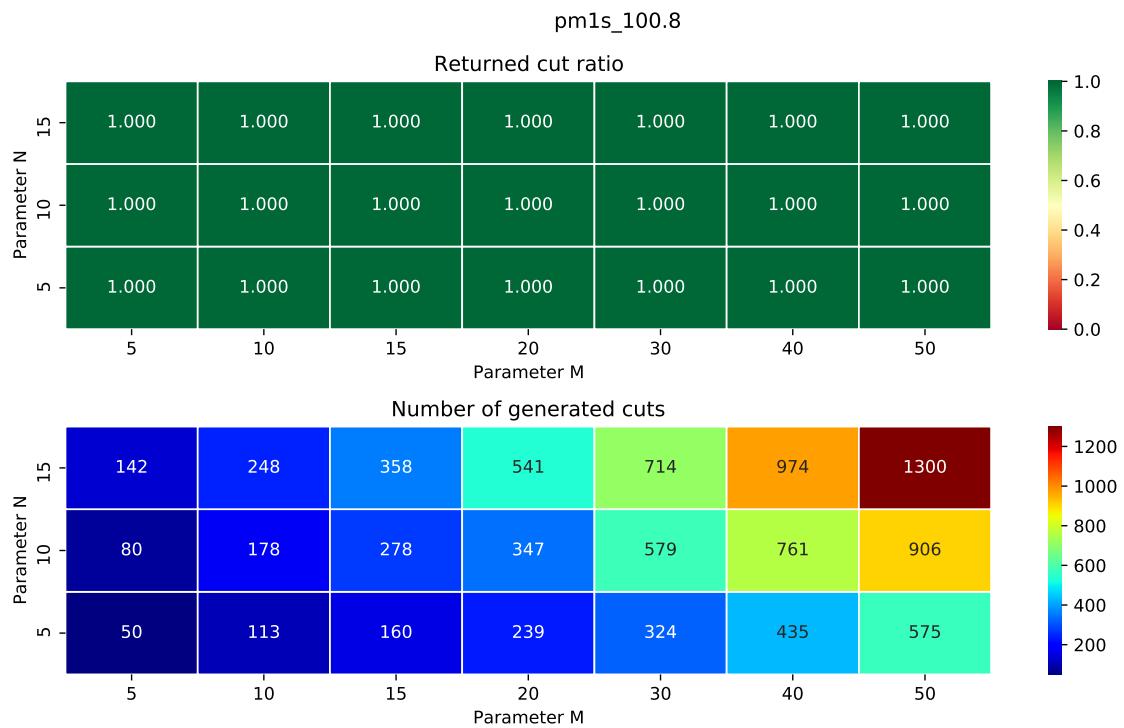


Figure 370: The top plot shows the ratio of returned value and optimal value and the bottom plot shows the number of generated cuts.

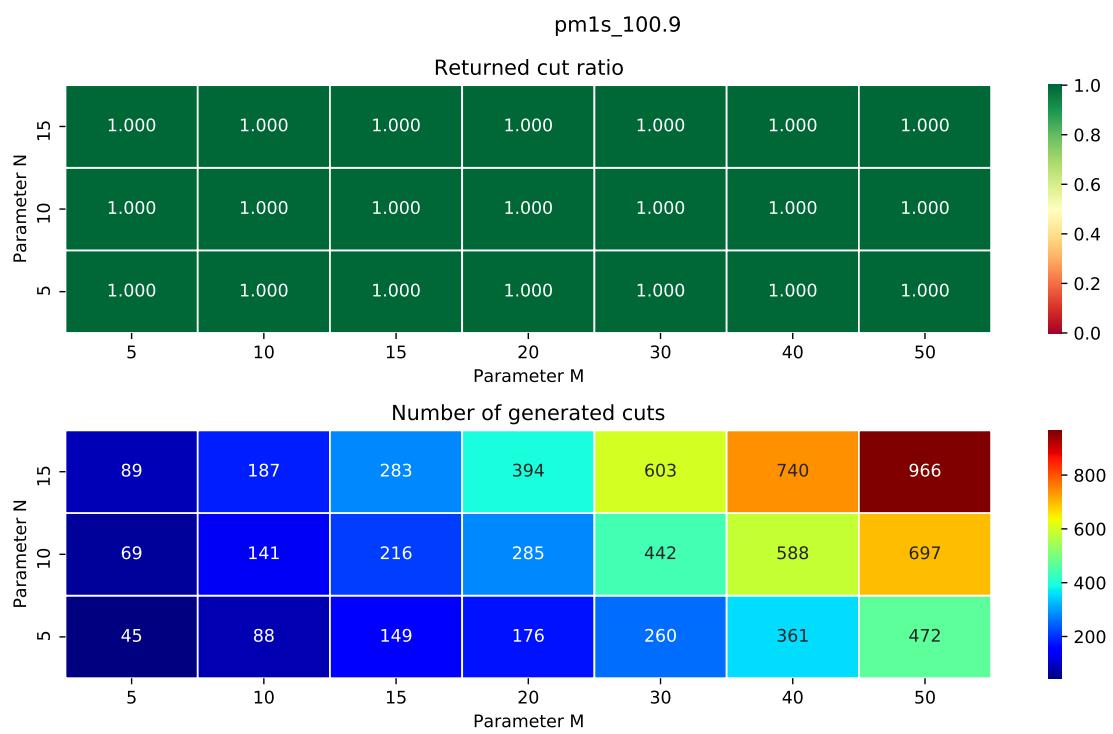


Figure 371: The top plot shows the ratio of returned value and optimal value and the bottom plot shows the number of generated cuts.

8.4 pwd_100.i

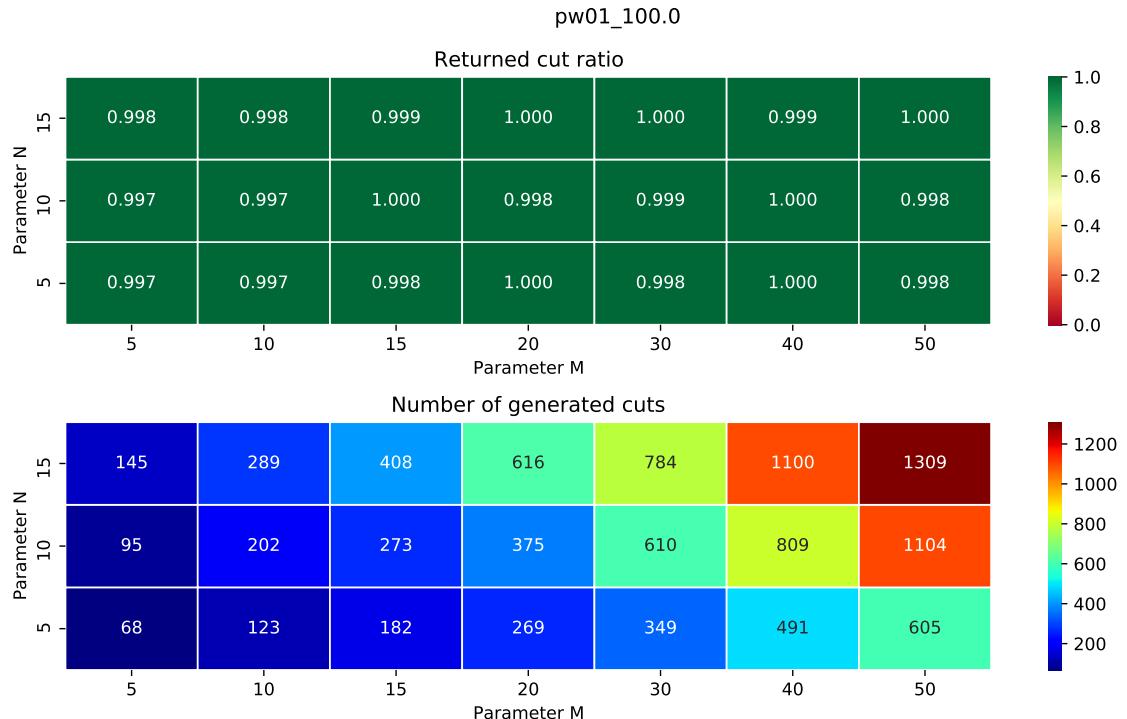


Figure 372: The top plot shows the ratio of returned value and optimal value and the bottom plot shows the number of generated cuts.

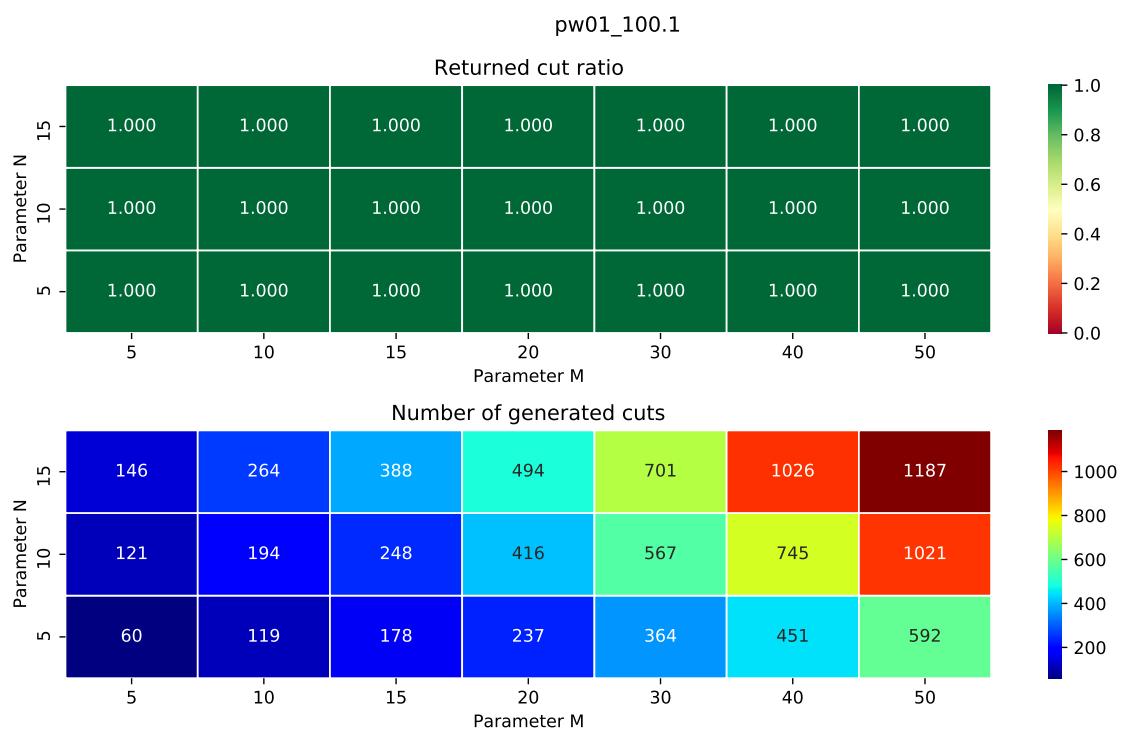


Figure 373: The top plot shows the ratio of returned value and optimal value and the bottom plot shows the number of generated cuts.

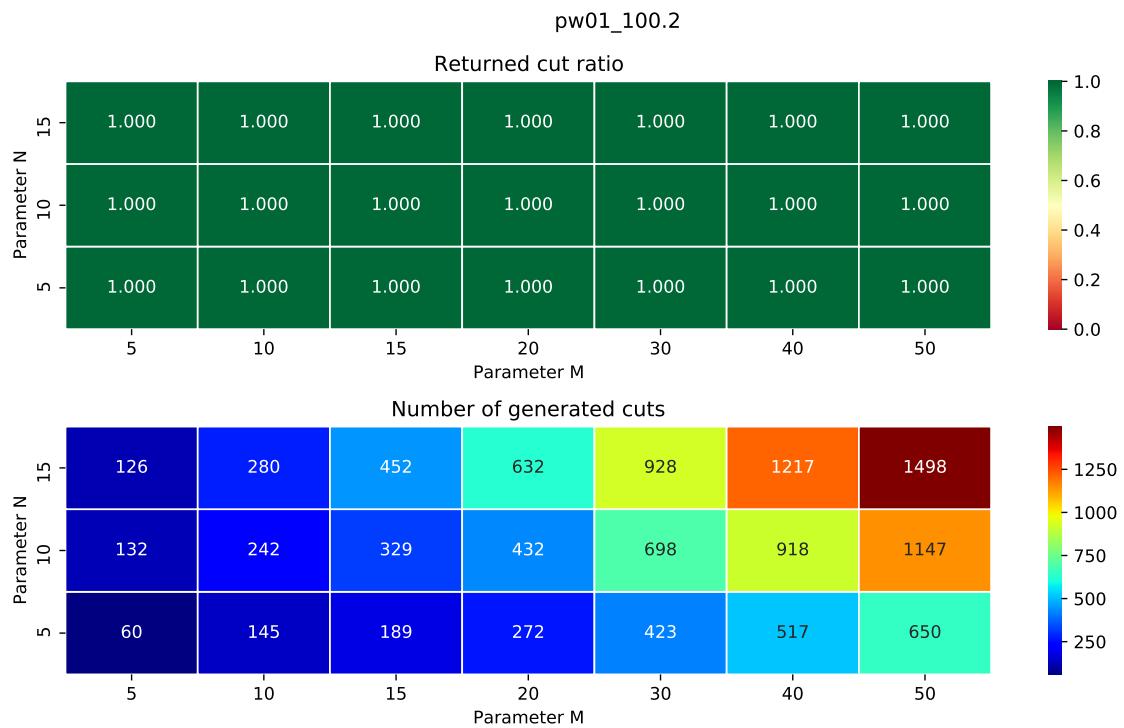


Figure 374: The top plot shows the ratio of returned value and optimal value and the bottom plot shows the number of generated cuts.

pw01_100.3

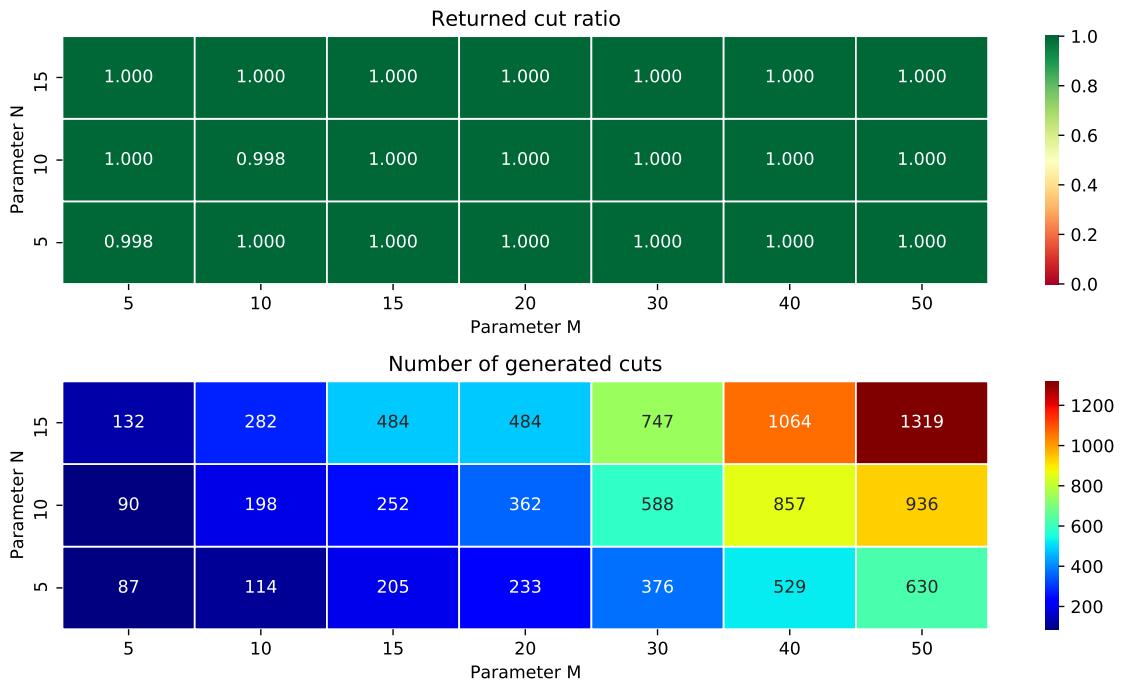


Figure 375: The top plot shows the ratio of returned value and optimal value and the bottom plot shows the number of generated cuts.

pw01_100.4

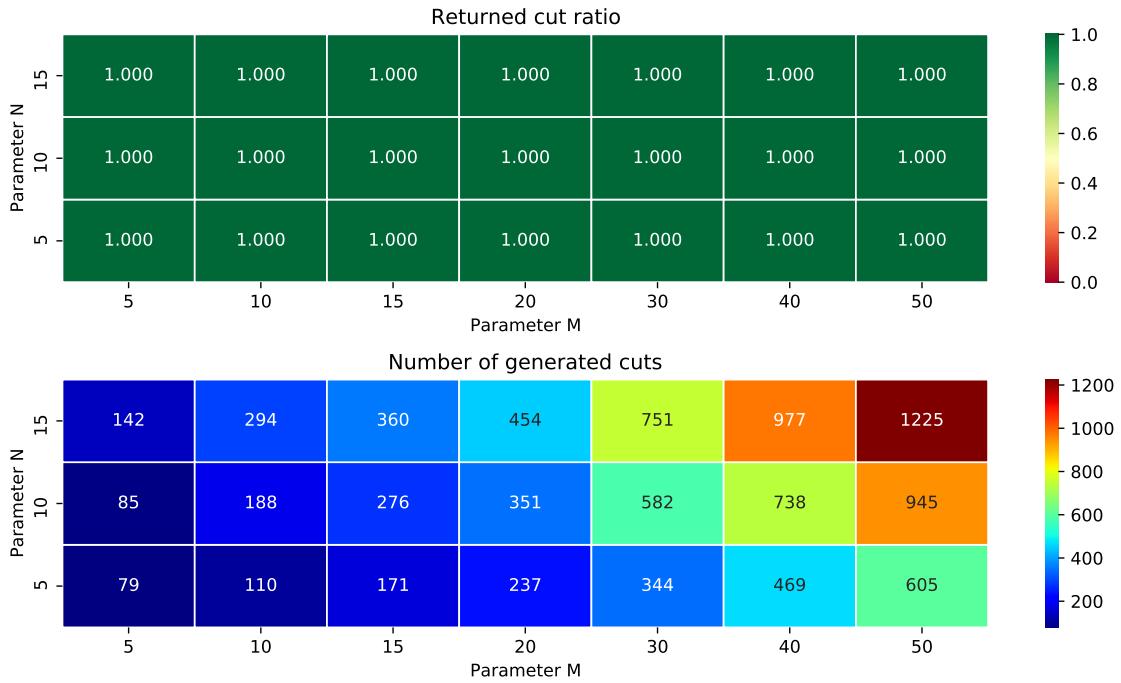


Figure 376: The top plot shows the ratio of returned value and optimal value and the bottom plot shows the number of generated cuts.

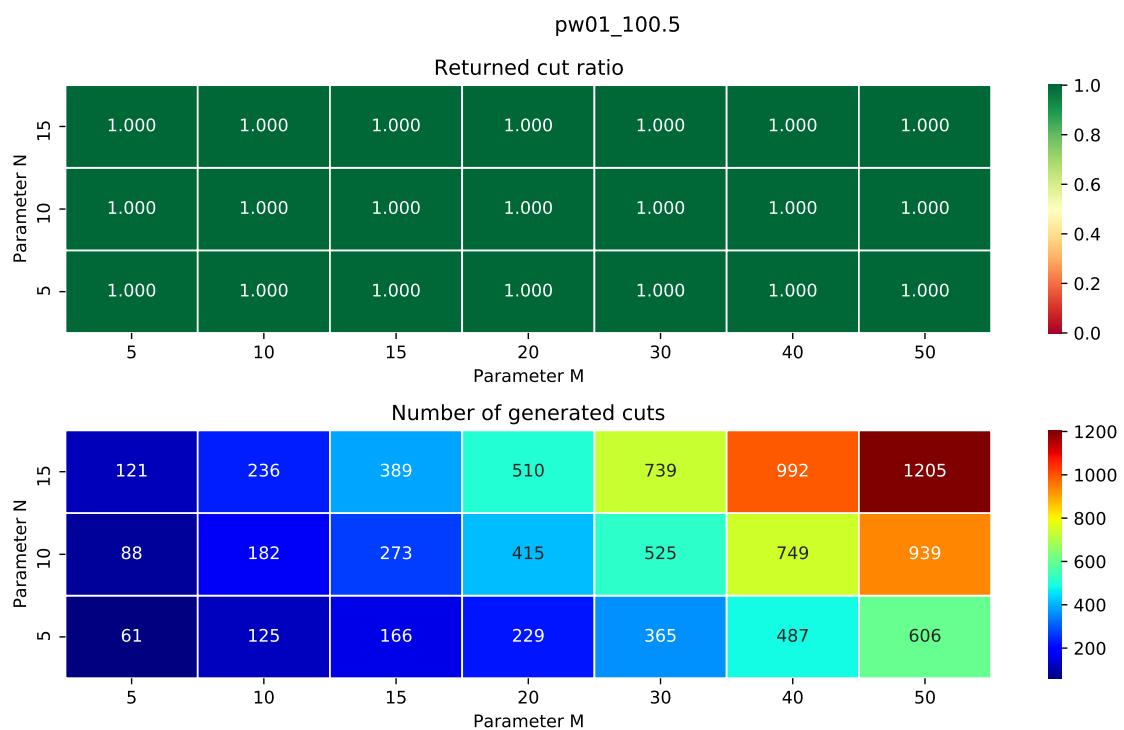


Figure 377: The top plot shows the ratio of returned value and optimal value and the bottom plot shows the number of generated cuts.

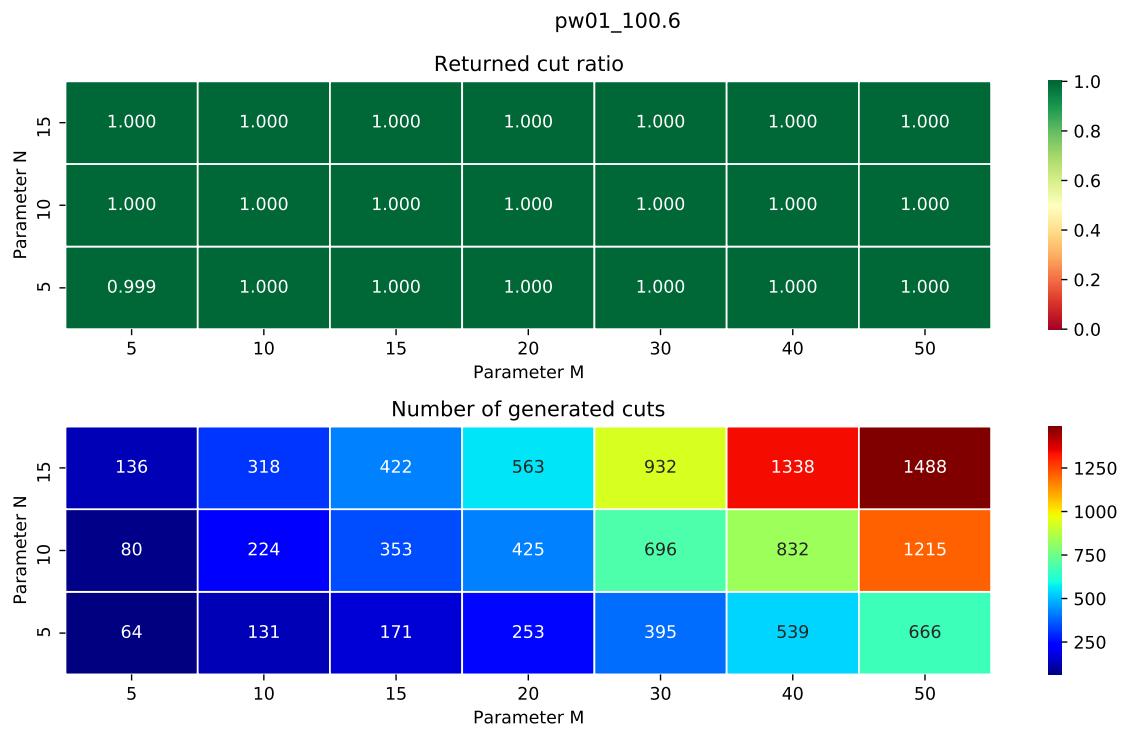


Figure 378: The top plot shows the ratio of returned value and optimal value and the bottom plot shows the number of generated cuts.

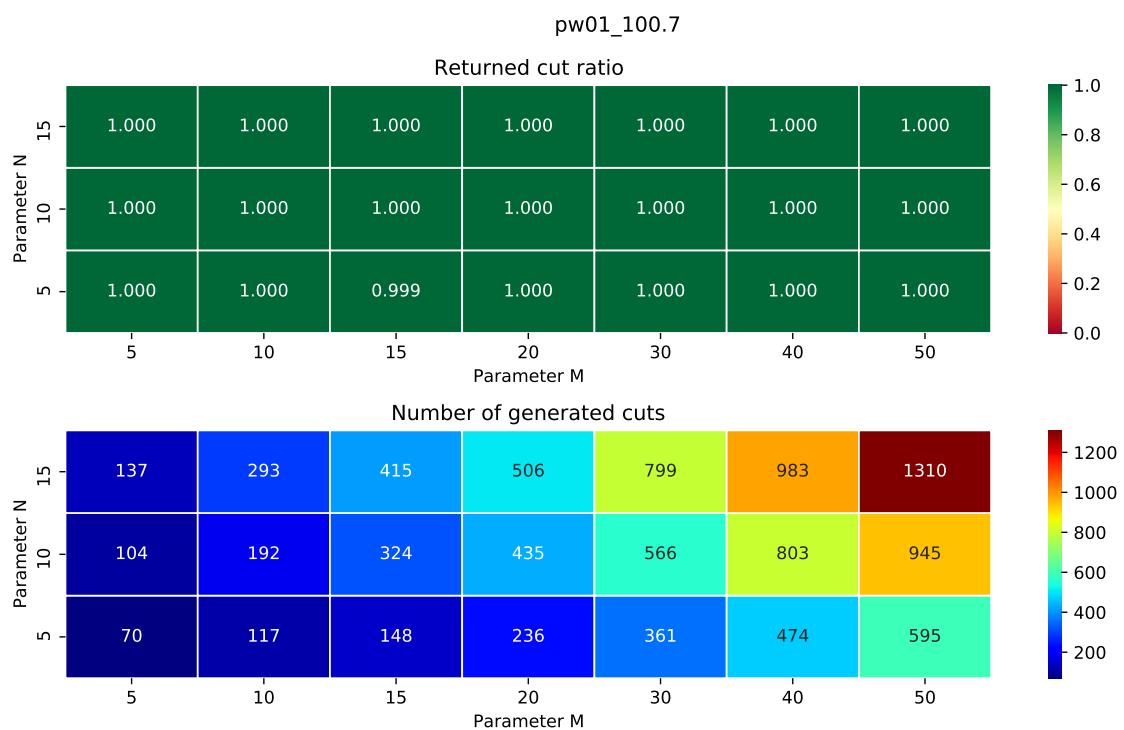


Figure 379: The top plot shows the ratio of returned value and optimal value and the bottom plot shows the number of generated cuts.

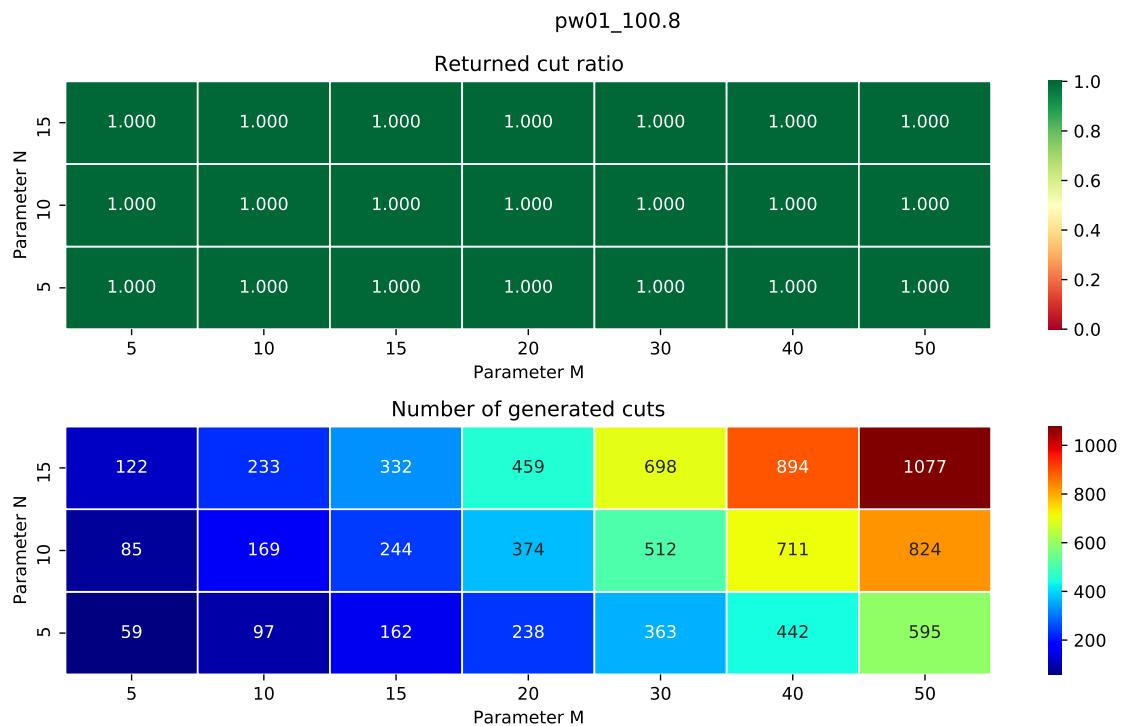


Figure 380: The top plot shows the ratio of returned value and optimal value and the bottom plot shows the number of generated cuts.

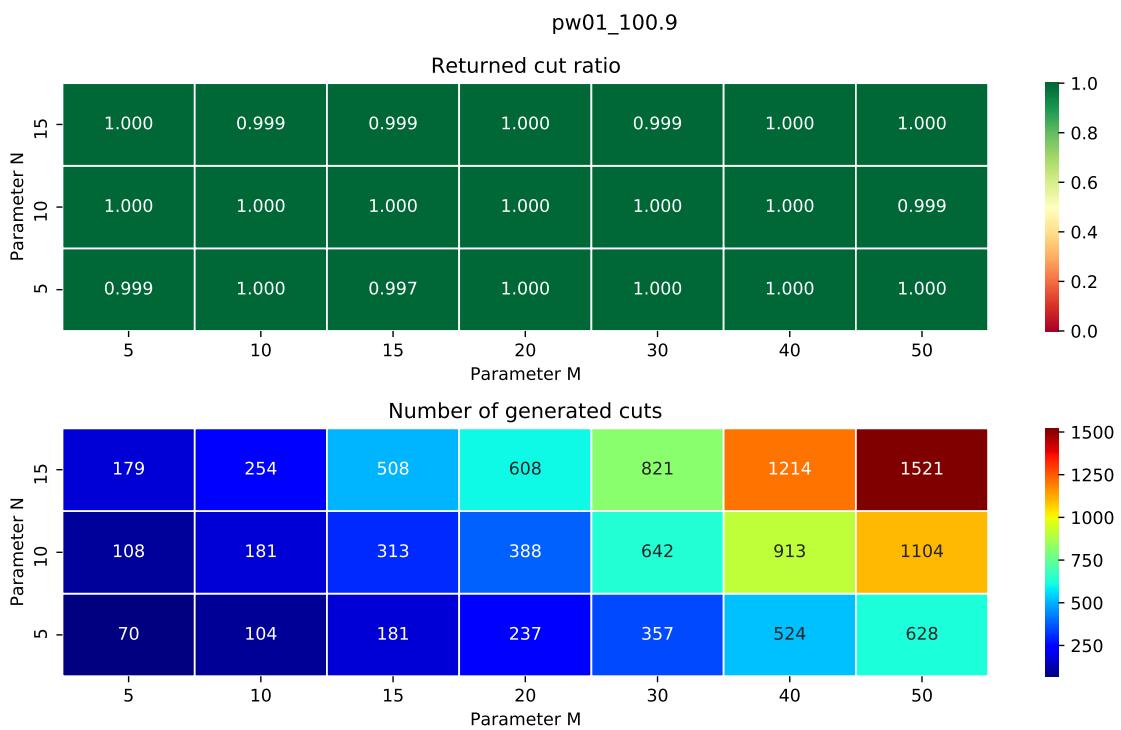


Figure 381: The top plot shows the ratio of returned value and optimal value and the bottom plot shows the number of generated cuts.

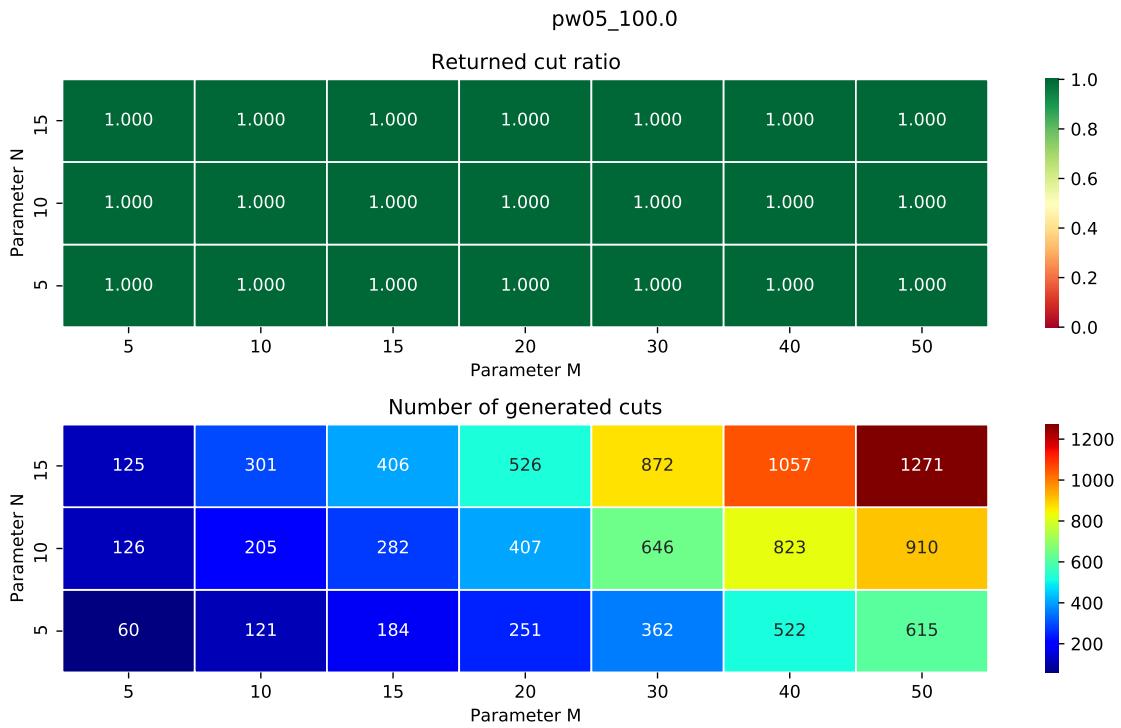


Figure 382: The top plot shows the ratio of returned value and optimal value and the bottom plot shows the number of generated cuts.

pw05_100.1

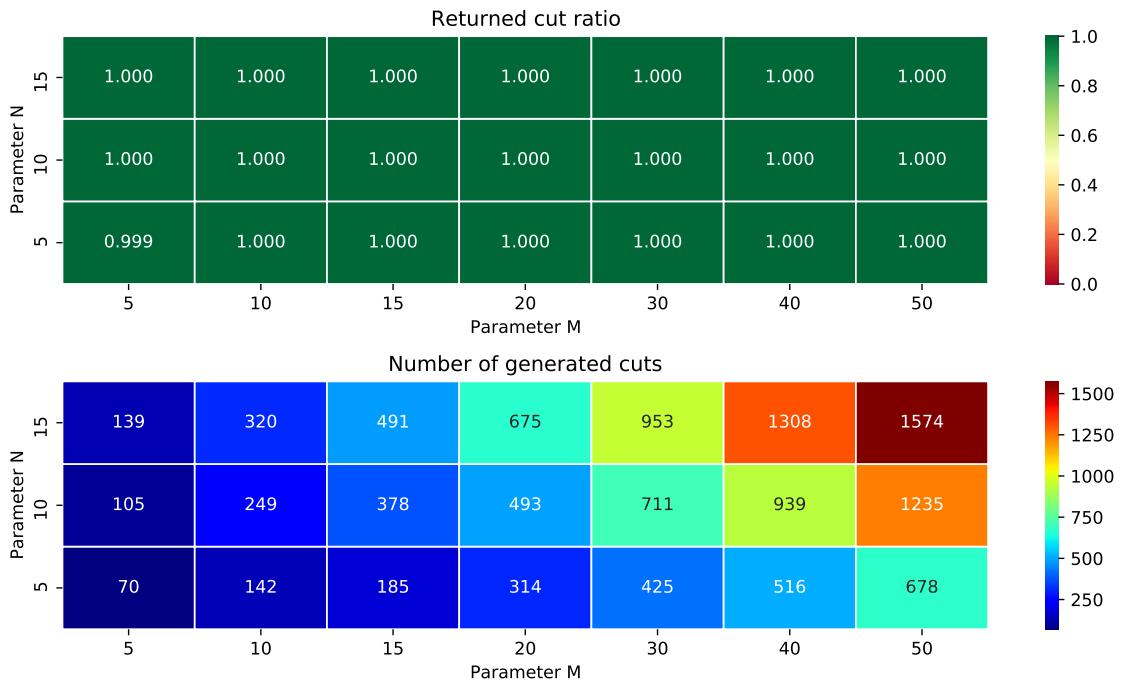


Figure 383: The top plot shows the ratio of returned value and optimal value and the bottom plot shows the number of generated cuts.

pw05_100.2

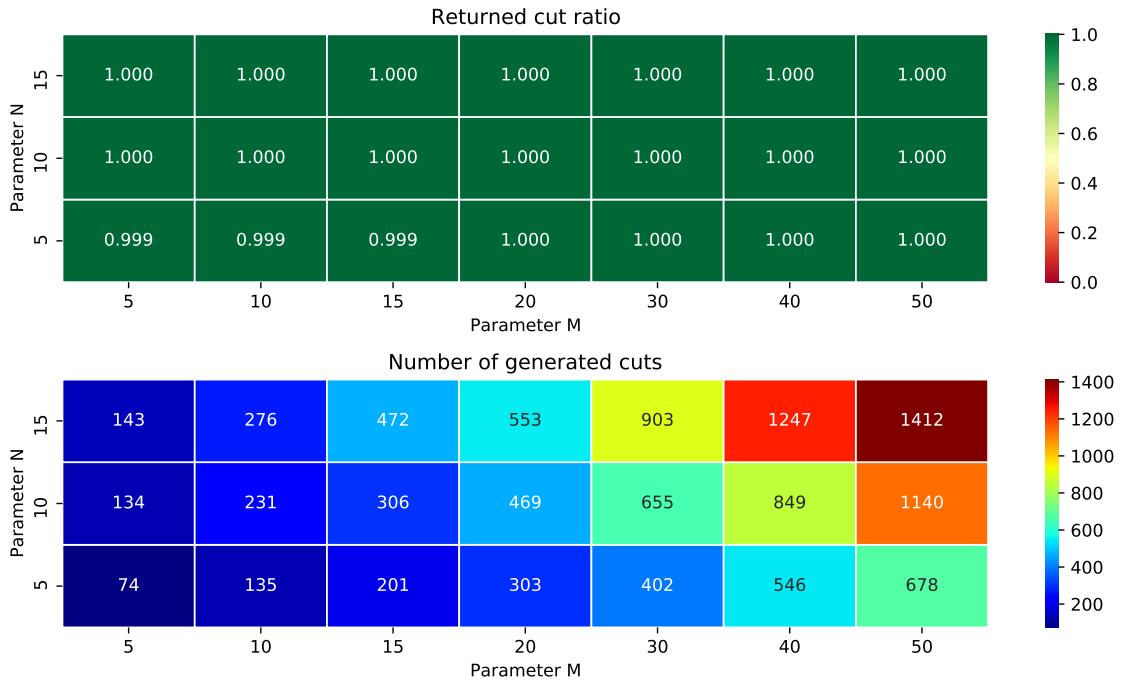


Figure 384: The top plot shows the ratio of returned value and optimal value and the bottom plot shows the number of generated cuts.

pw05_100.3



Figure 385: The top plot shows the ratio of returned value and optimal value and the bottom plot shows the number of generated cuts.

pw05_100.4

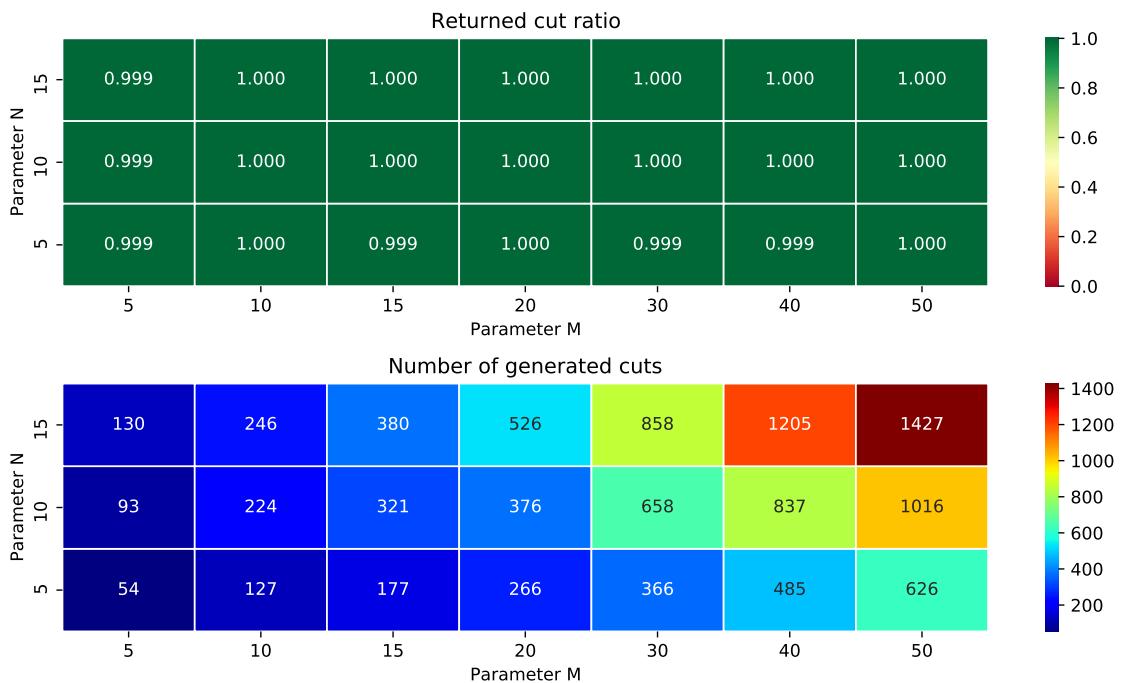


Figure 386: The top plot shows the ratio of returned value and optimal value and the bottom plot shows the number of generated cuts.

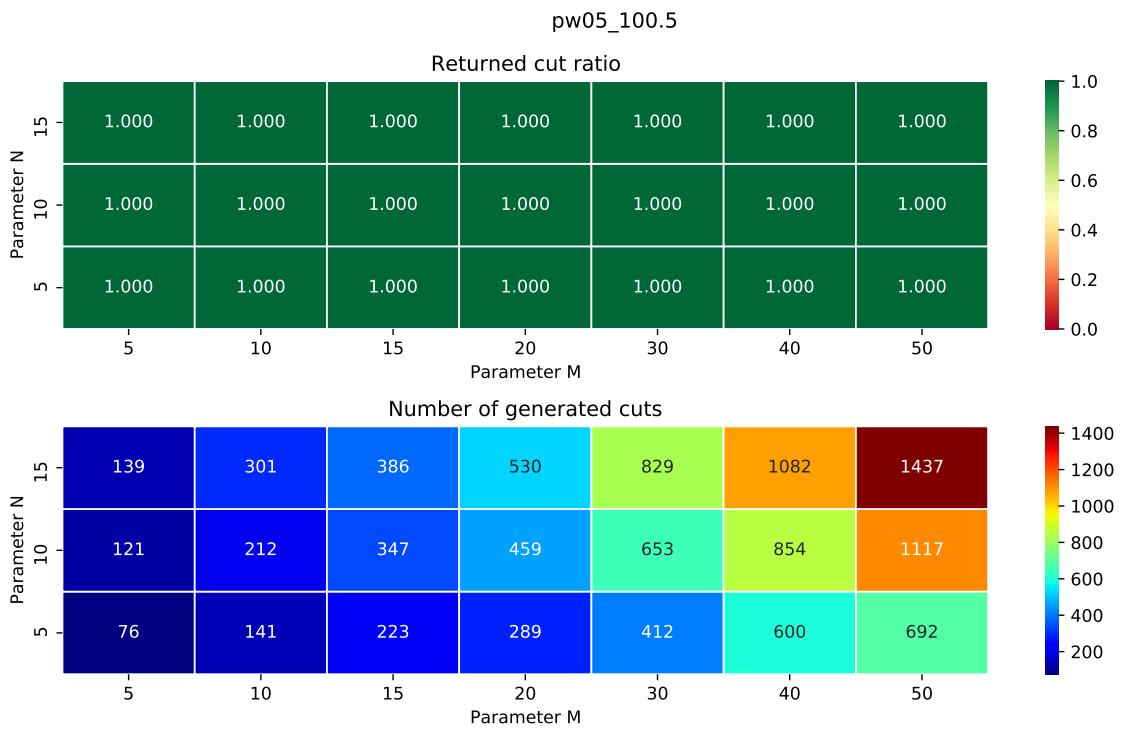


Figure 387: The top plot shows the ratio of returned value and optimal value and the bottom plot shows the number of generated cuts.

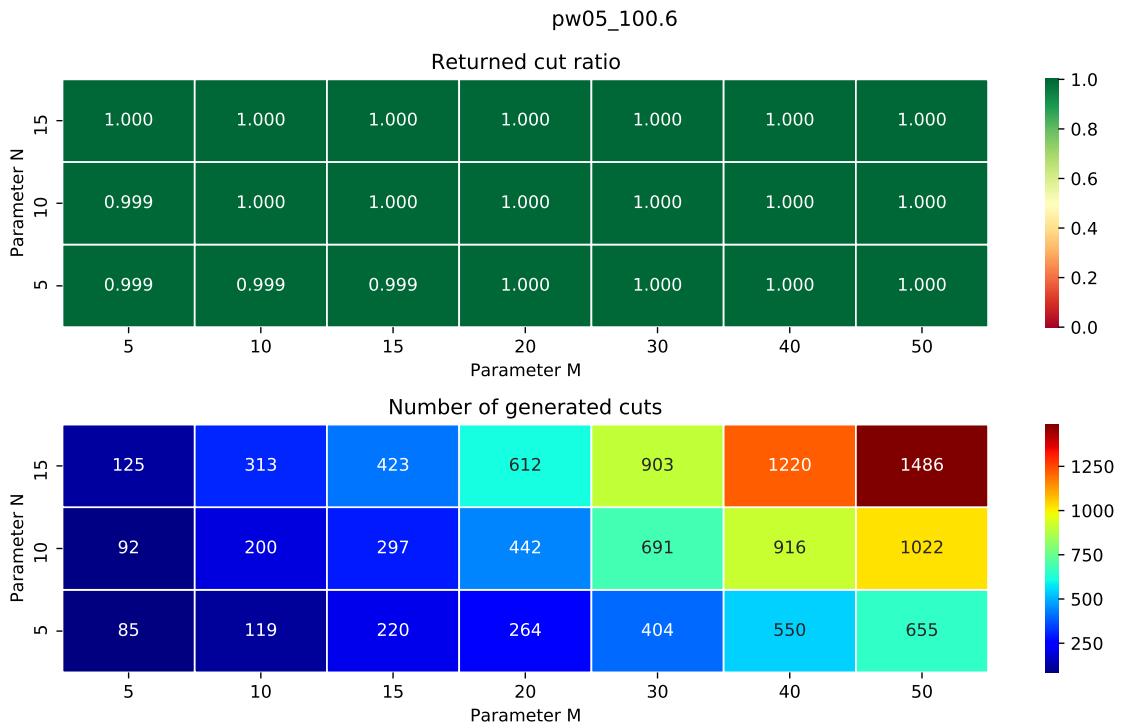


Figure 388: The top plot shows the ratio of returned value and optimal value and the bottom plot shows the number of generated cuts.

pw05_100.7

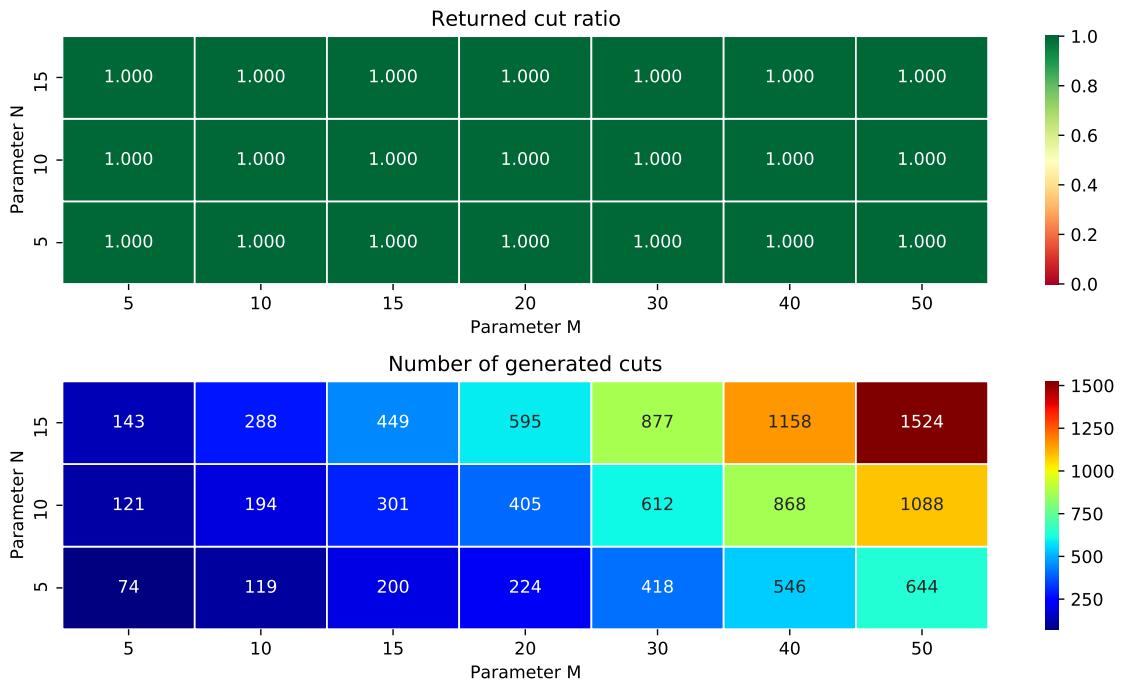


Figure 389: The top plot shows the ratio of returned value and optimal value and the bottom plot shows the number of generated cuts.

pw05_100.8

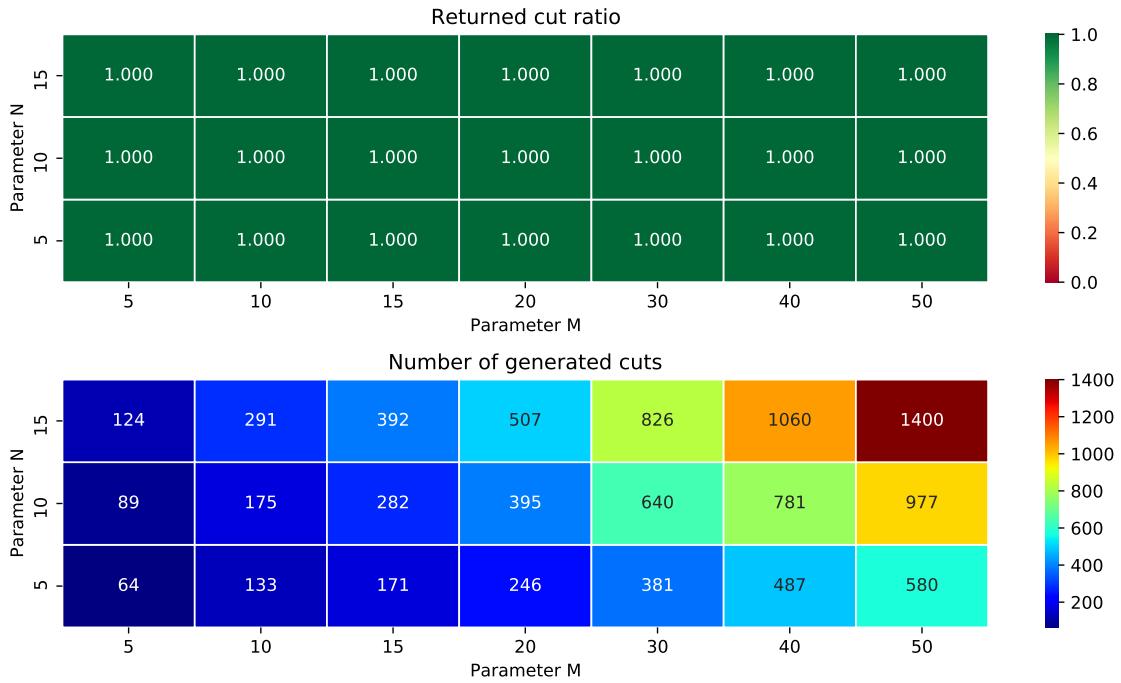


Figure 390: The top plot shows the ratio of returned value and optimal value and the bottom plot shows the number of generated cuts.

pw05_100.9



Figure 391: The top plot shows the ratio of returned value and optimal value and the bottom plot shows the number of generated cuts.

pw09_100.0

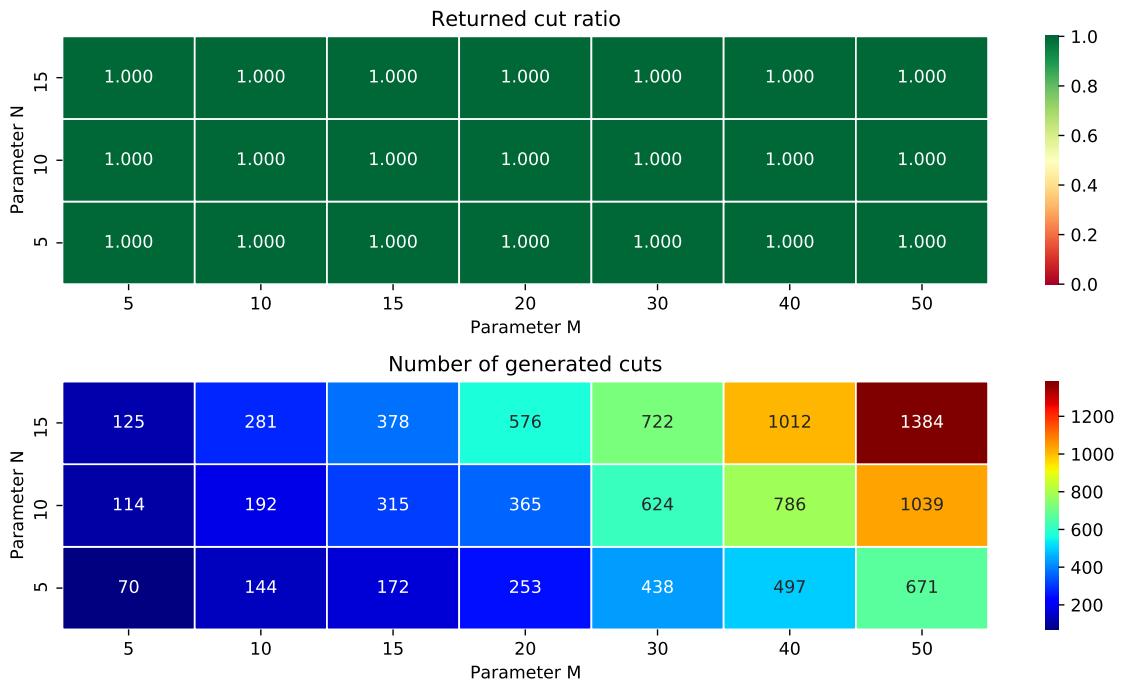


Figure 392: The top plot shows the ratio of returned value and optimal value and the bottom plot shows the number of generated cuts.

pw09_100.1

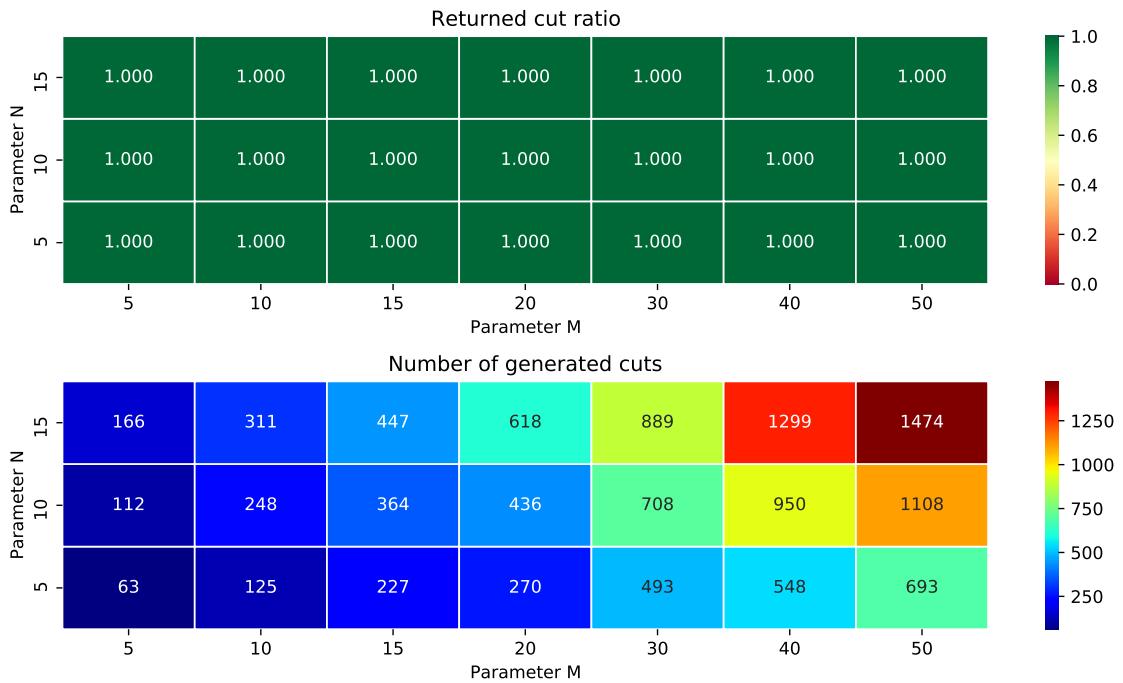


Figure 393: The top plot shows the ratio of returned value and optimal value and the bottom plot shows the number of generated cuts.

pw09_100.2

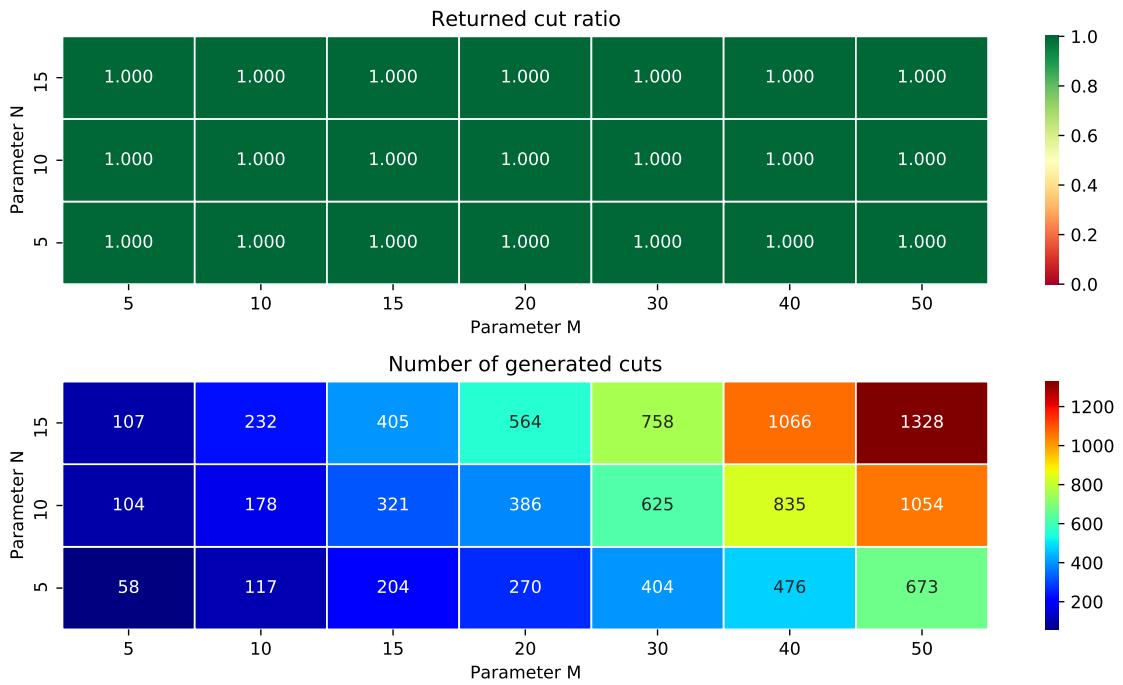


Figure 394: The top plot shows the ratio of returned value and optimal value and the bottom plot shows the number of generated cuts.

pw09_100.3

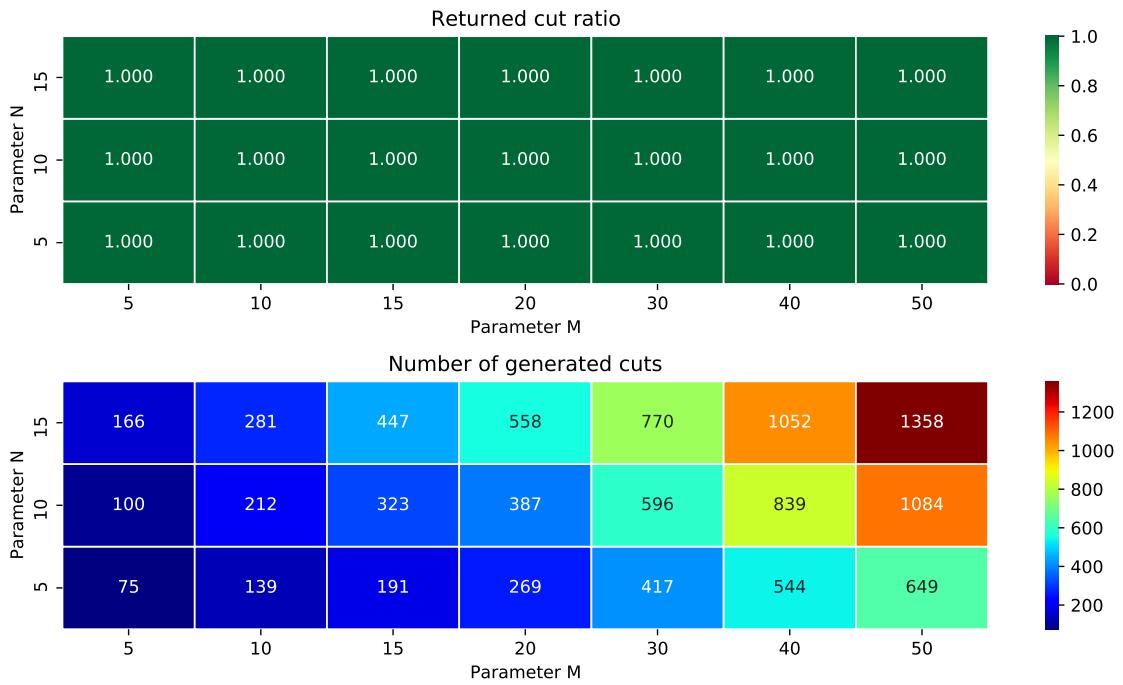


Figure 395: The top plot shows the ratio of returned value and optimal value and the bottom plot shows the number of generated cuts.

pw09_100.4

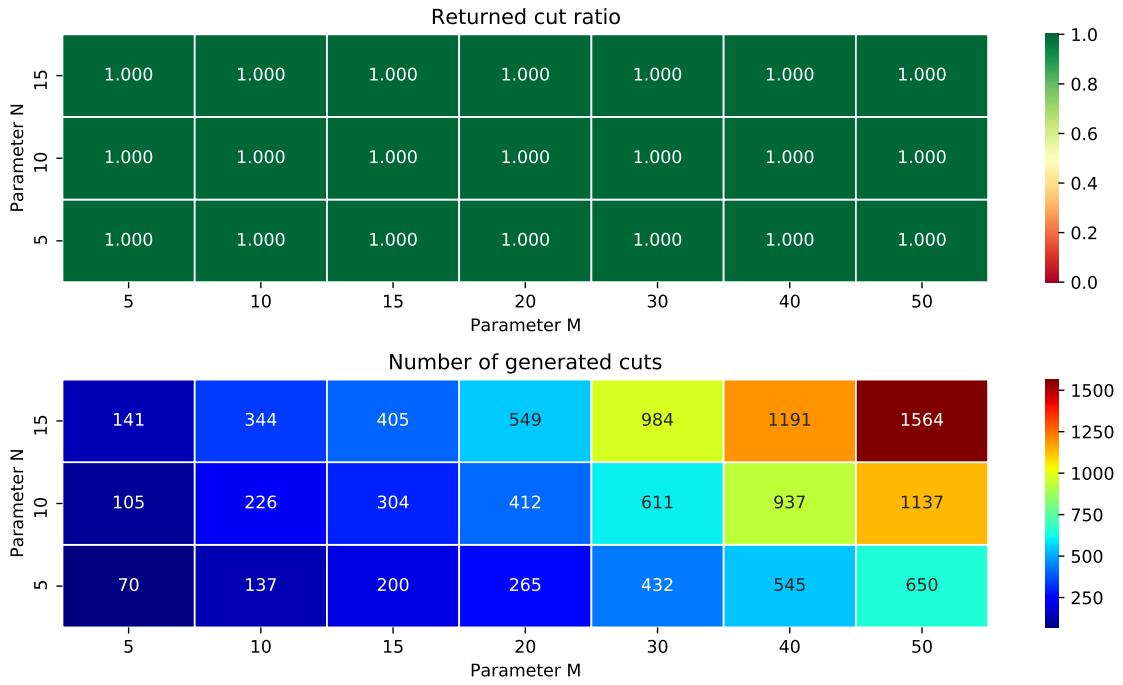


Figure 396: The top plot shows the ratio of returned value and optimal value and the bottom plot shows the number of generated cuts.

pw09_100.5

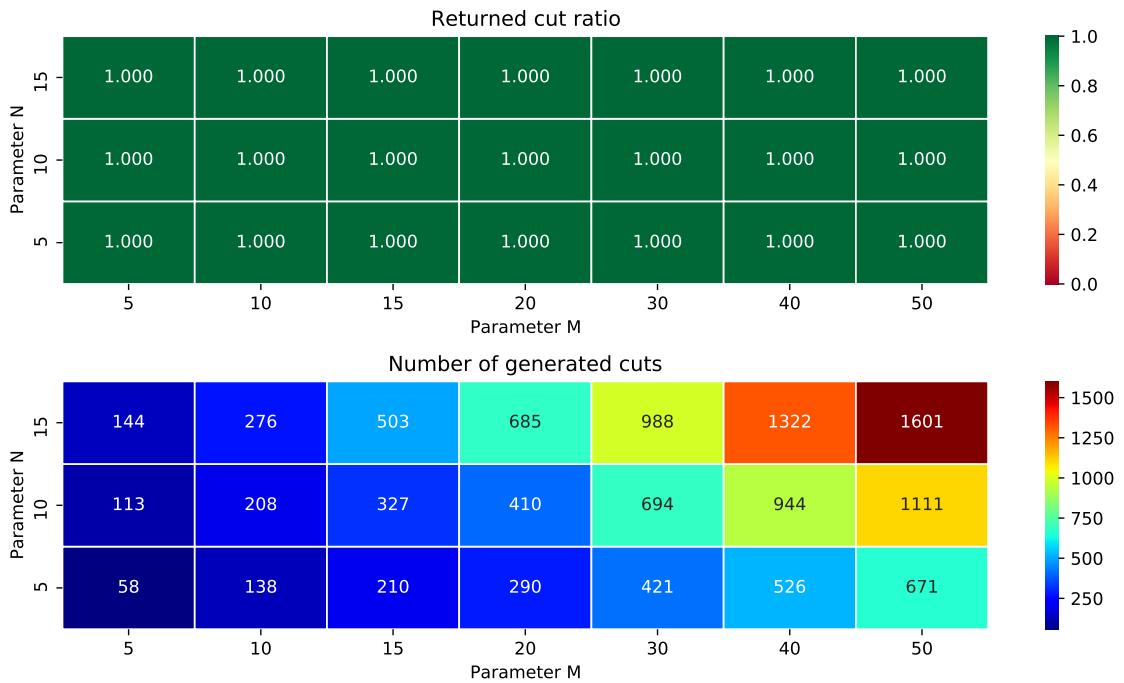


Figure 397: The top plot shows the ratio of returned value and optimal value and the bottom plot shows the number of generated cuts.

pw09_100.6

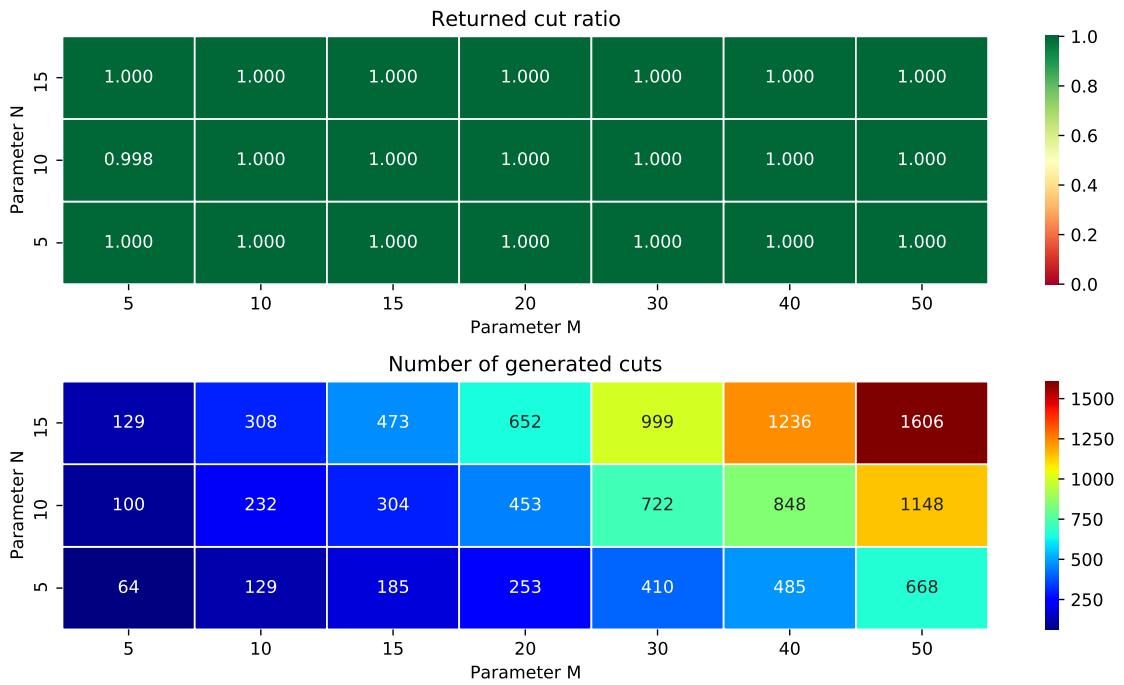


Figure 398: The top plot shows the ratio of returned value and optimal value and the bottom plot shows the number of generated cuts.

pw09_100.7

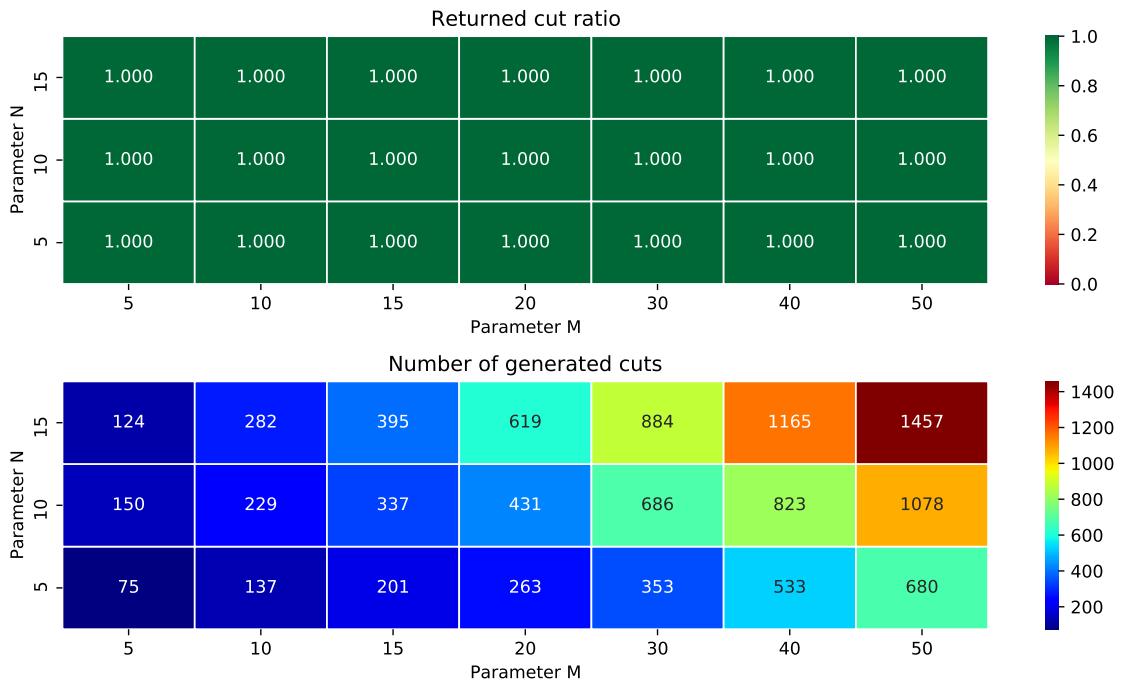


Figure 399: The top plot shows the ratio of returned value and optimal value and the bottom plot shows the number of generated cuts.

pw09_100.8

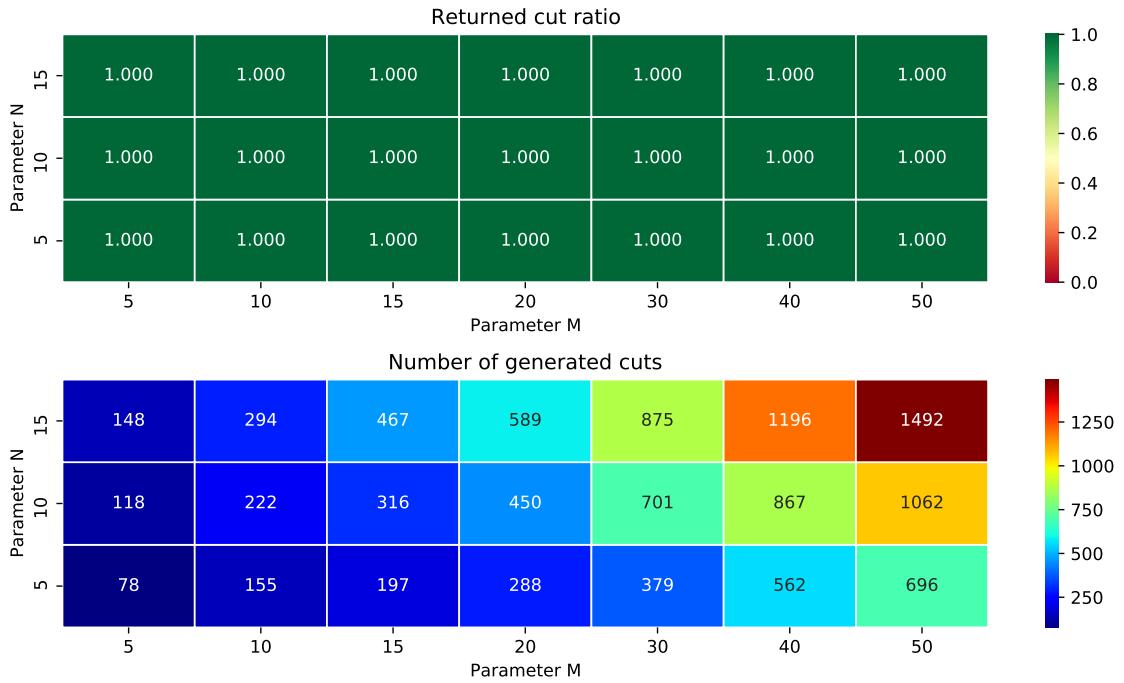


Figure 400: The top plot shows the ratio of returned value and optimal value and the bottom plot shows the number of generated cuts.

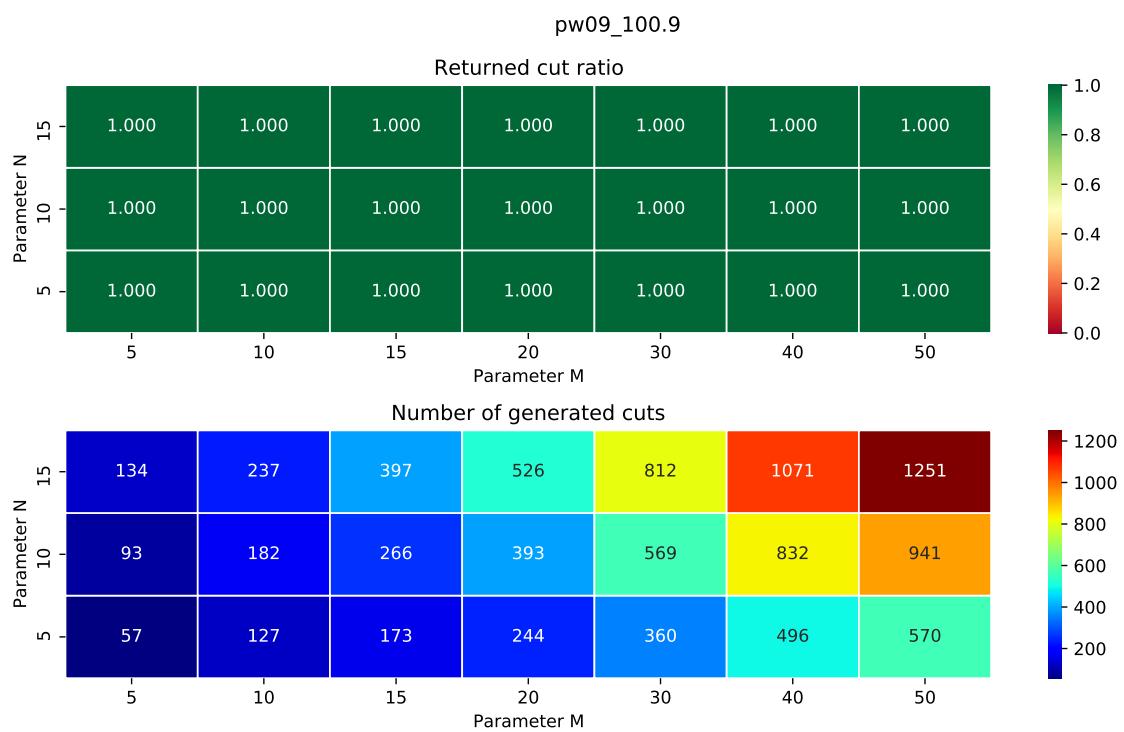


Figure 401: The top plot shows the ratio of returned value and optimal value and the bottom plot shows the number of generated cuts.

8.5 wd_100.i

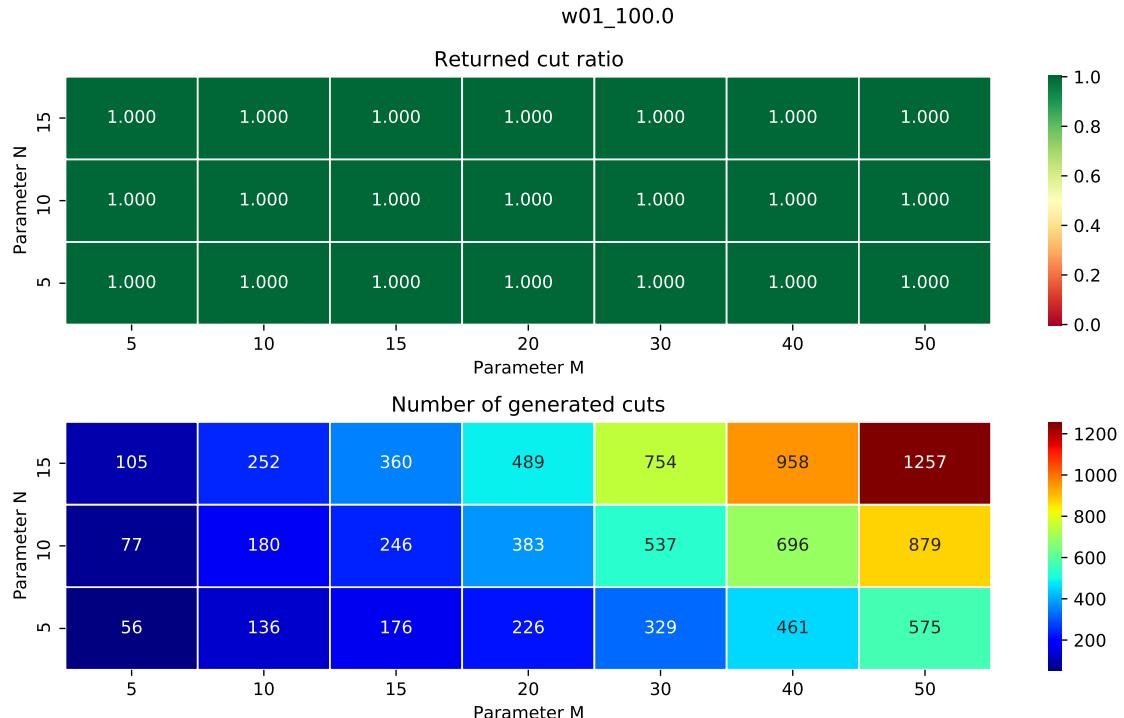


Figure 402: The top plot shows the ratio of returned value and optimal value and the bottom plot shows the number of generated cuts.

w01_100.1

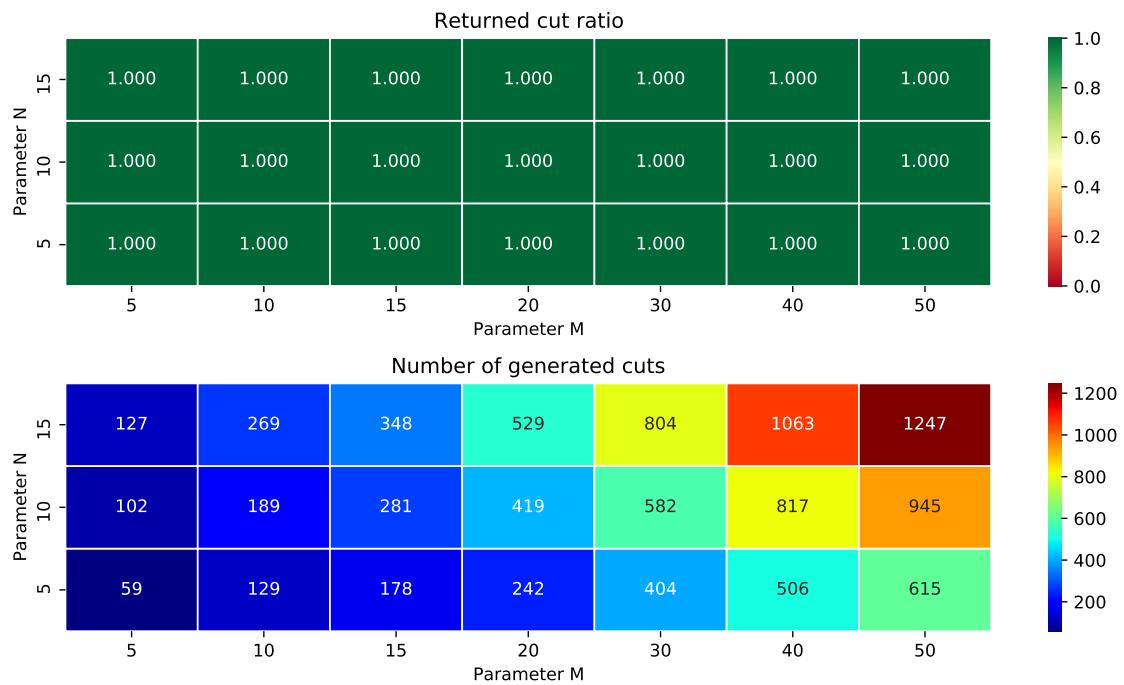


Figure 403: The top plot shows the ratio of returned value and optimal value and the bottom plot shows the number of generated cuts.

w01_100.2

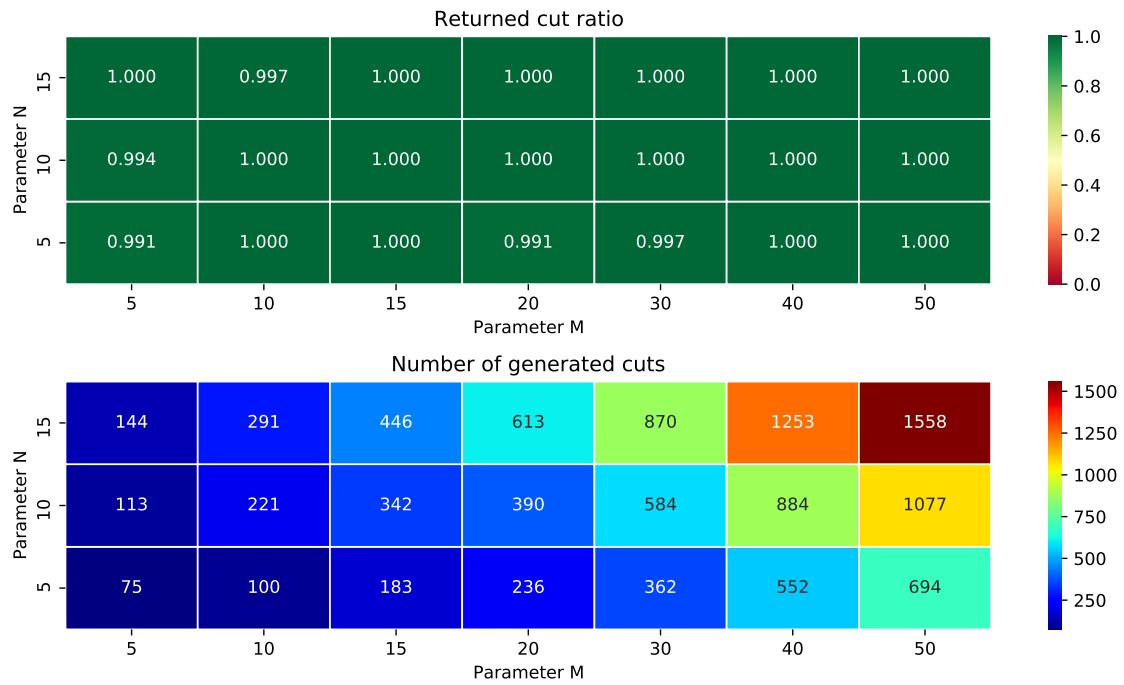


Figure 404: The top plot shows the ratio of returned value and optimal value and the bottom plot shows the number of generated cuts.

w01_100.3



Figure 405: The top plot shows the ratio of returned value and optimal value and the bottom plot shows the number of generated cuts.

w01_100.4

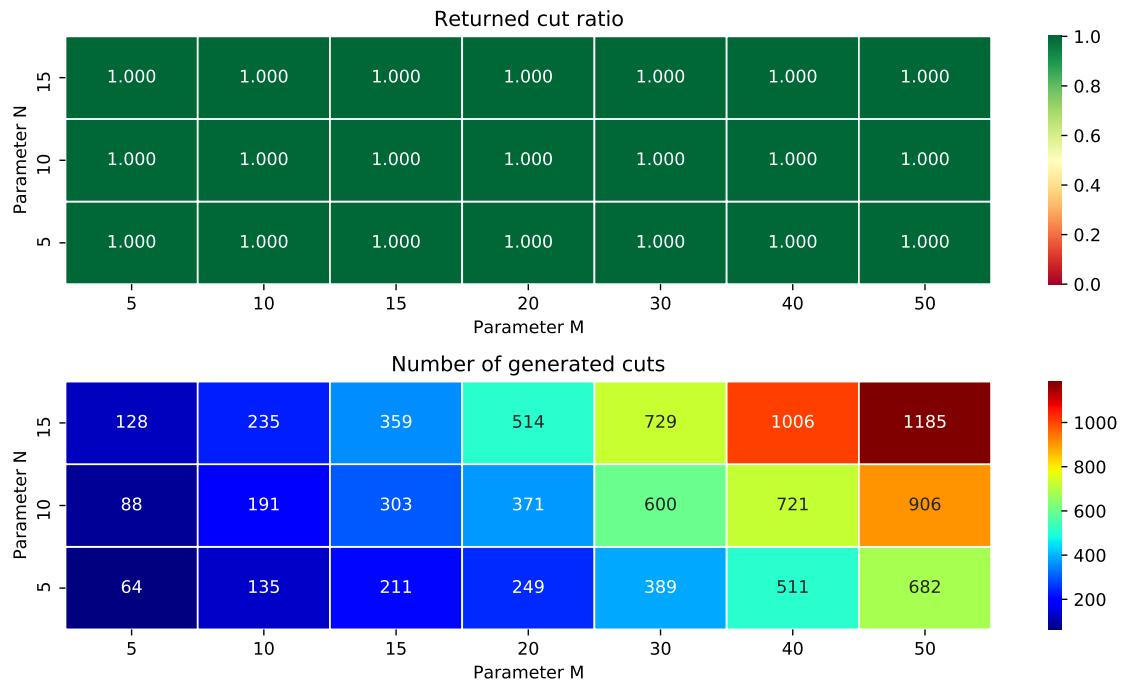


Figure 406: The top plot shows the ratio of returned value and optimal value and the bottom plot shows the number of generated cuts.

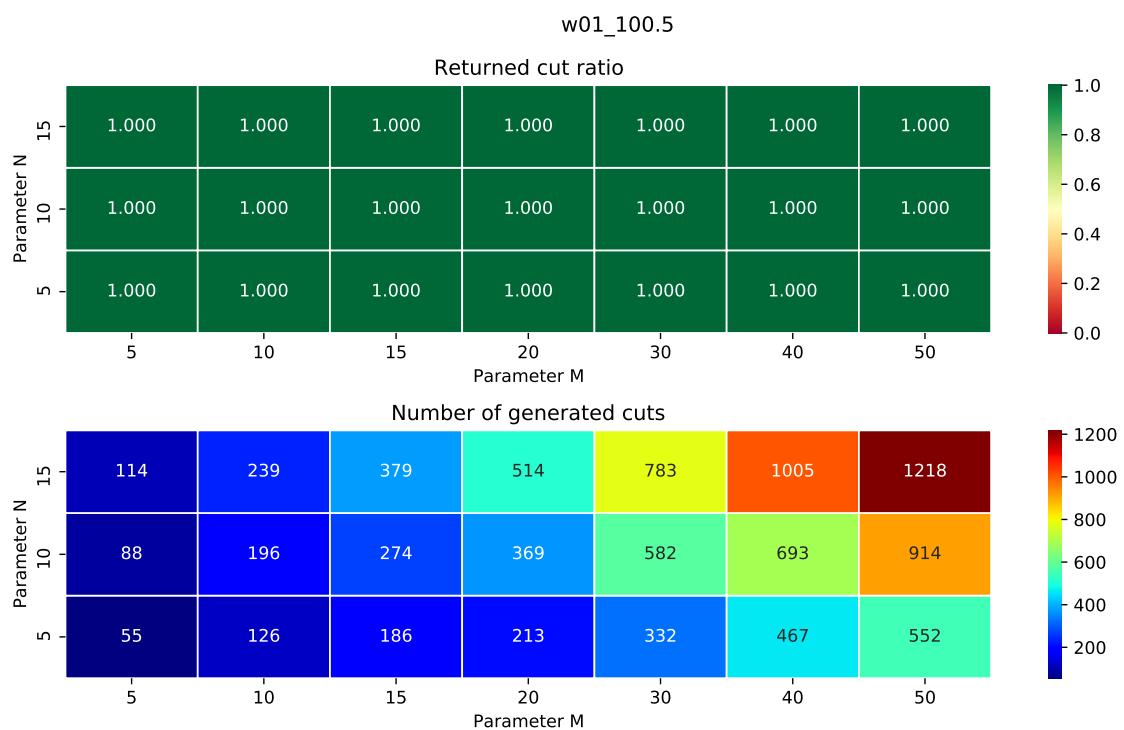


Figure 407: The top plot shows the ratio of returned value and optimal value and the bottom plot shows the number of generated cuts.

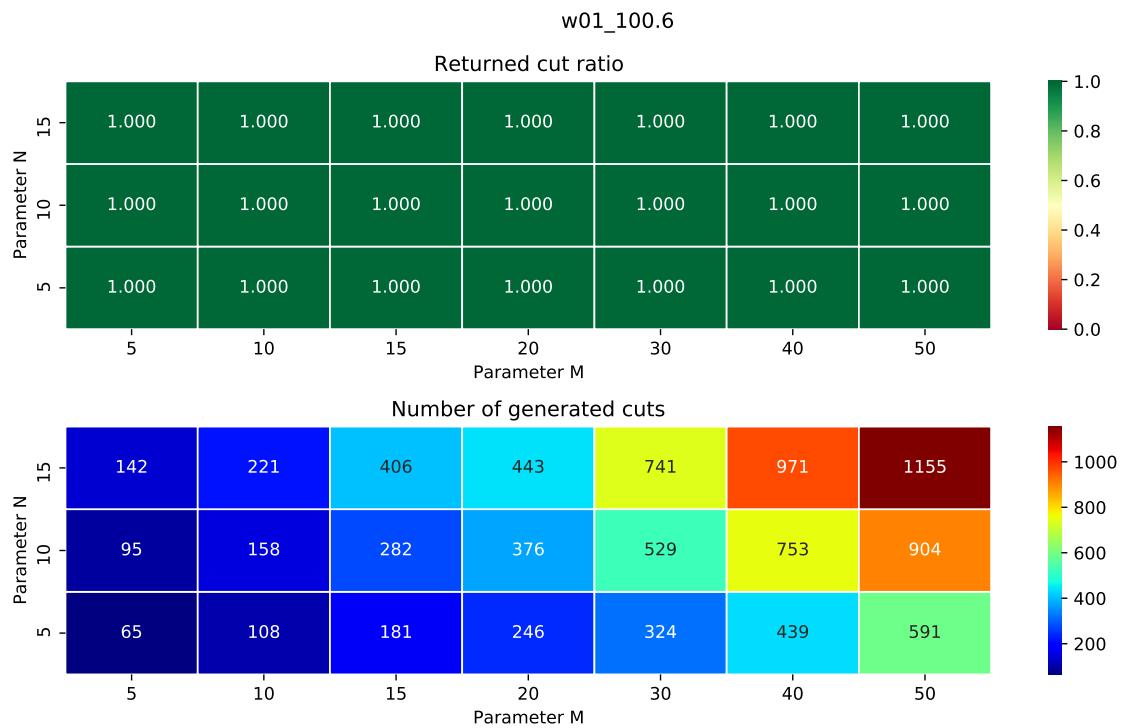


Figure 408: The top plot shows the ratio of returned value and optimal value and the bottom plot shows the number of generated cuts.

w01_100.7

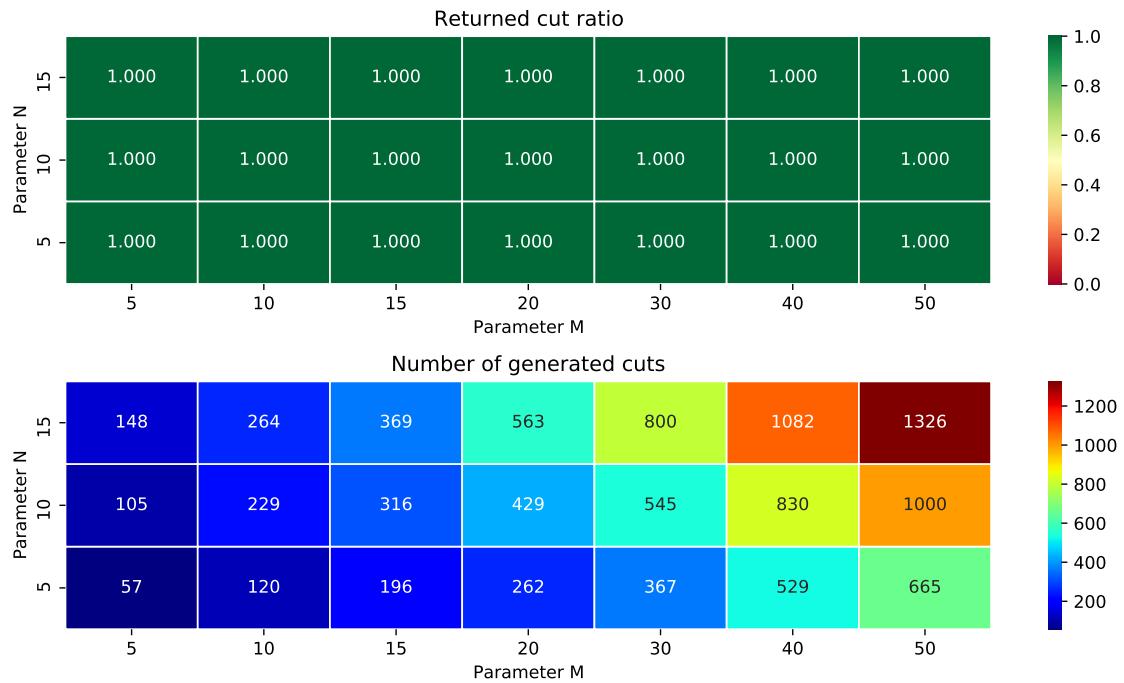


Figure 409: The top plot shows the ratio of returned value and optimal value and the bottom plot shows the number of generated cuts.

w01_100.8

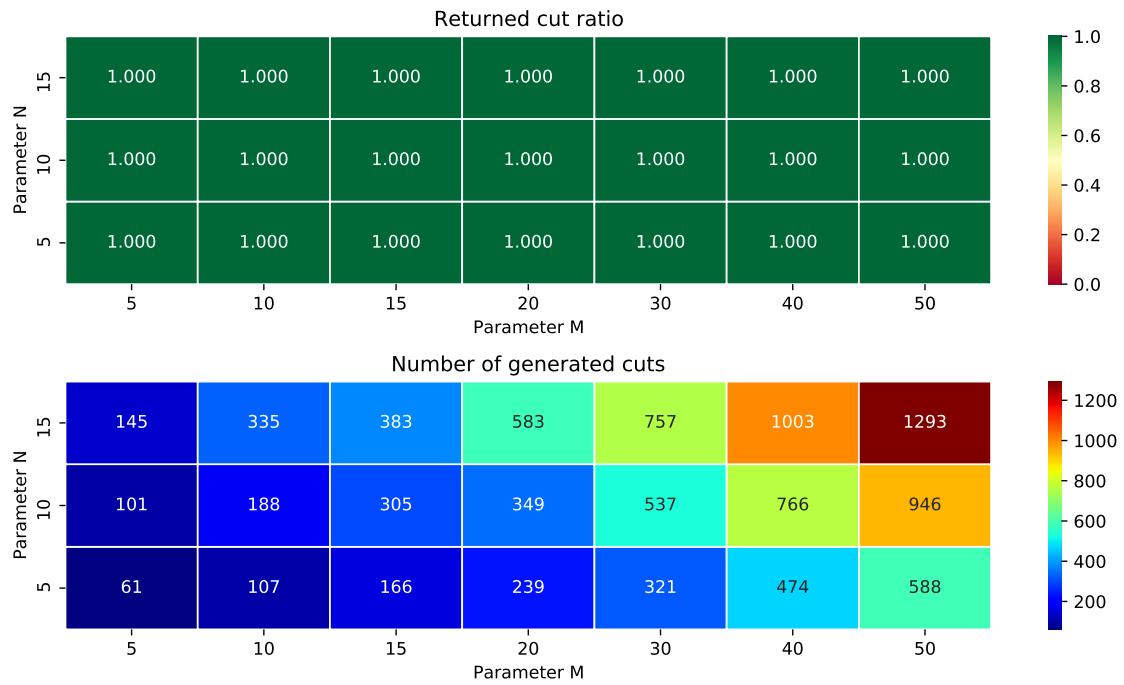


Figure 410: The top plot shows the ratio of returned value and optimal value and the bottom plot shows the number of generated cuts.

w01_100.9

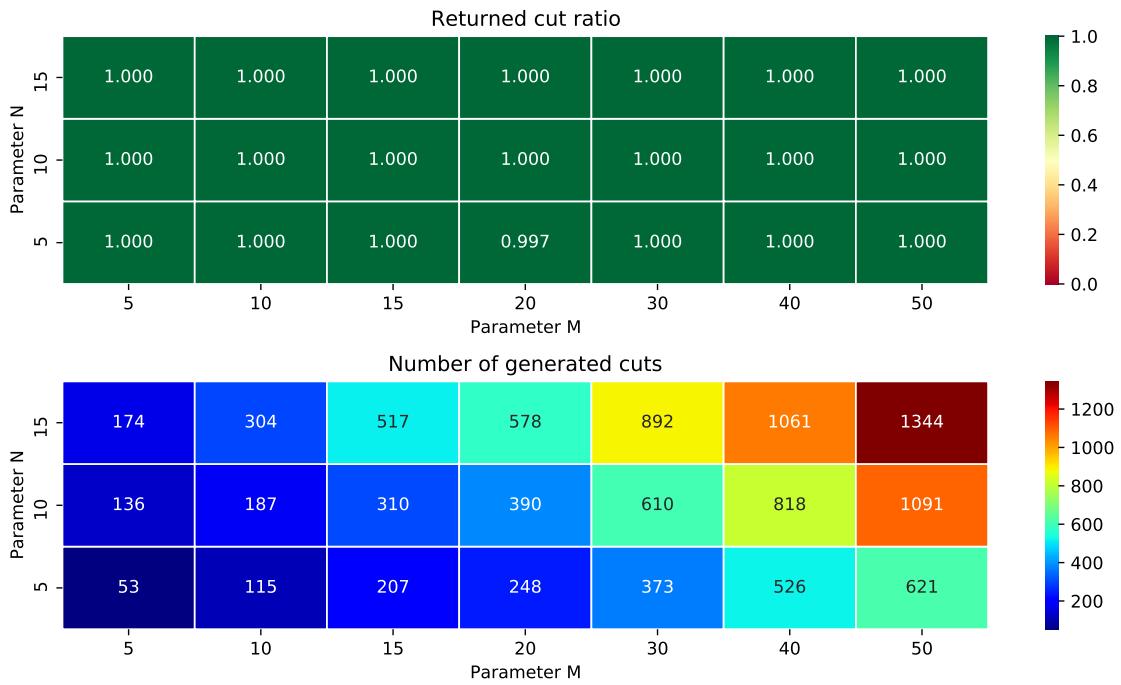


Figure 411: The top plot shows the ratio of returned value and optimal value and the bottom plot shows the number of generated cuts.

w05_100.0

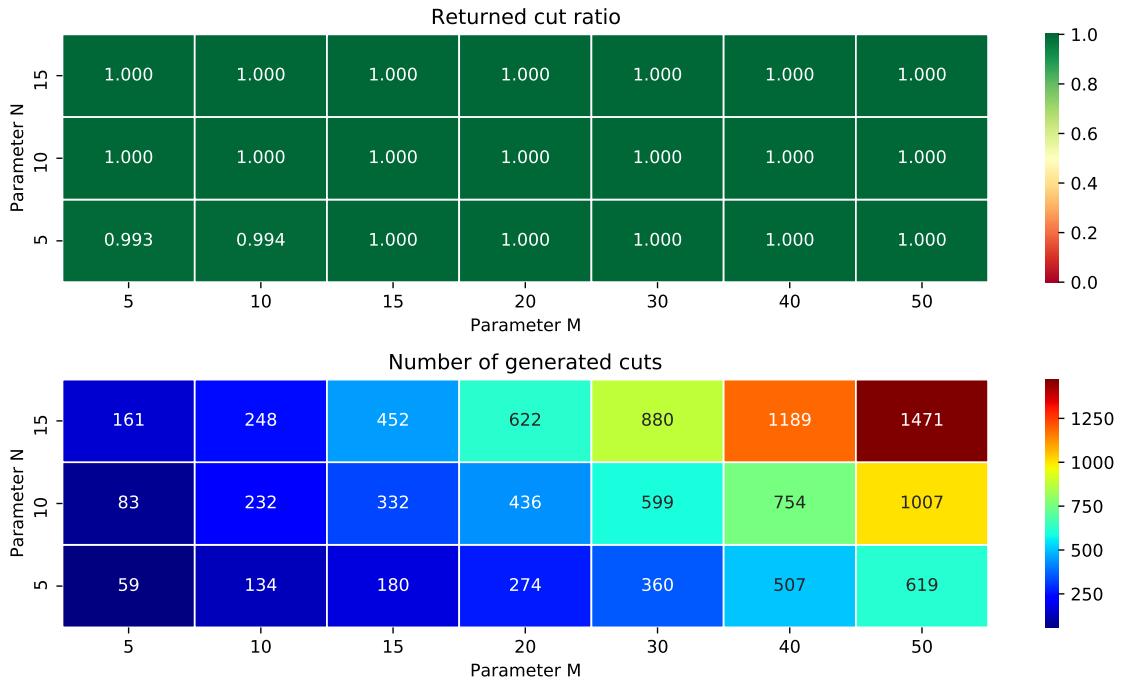


Figure 412: The top plot shows the ratio of returned value and optimal value and the bottom plot shows the number of generated cuts.

w05_100.1

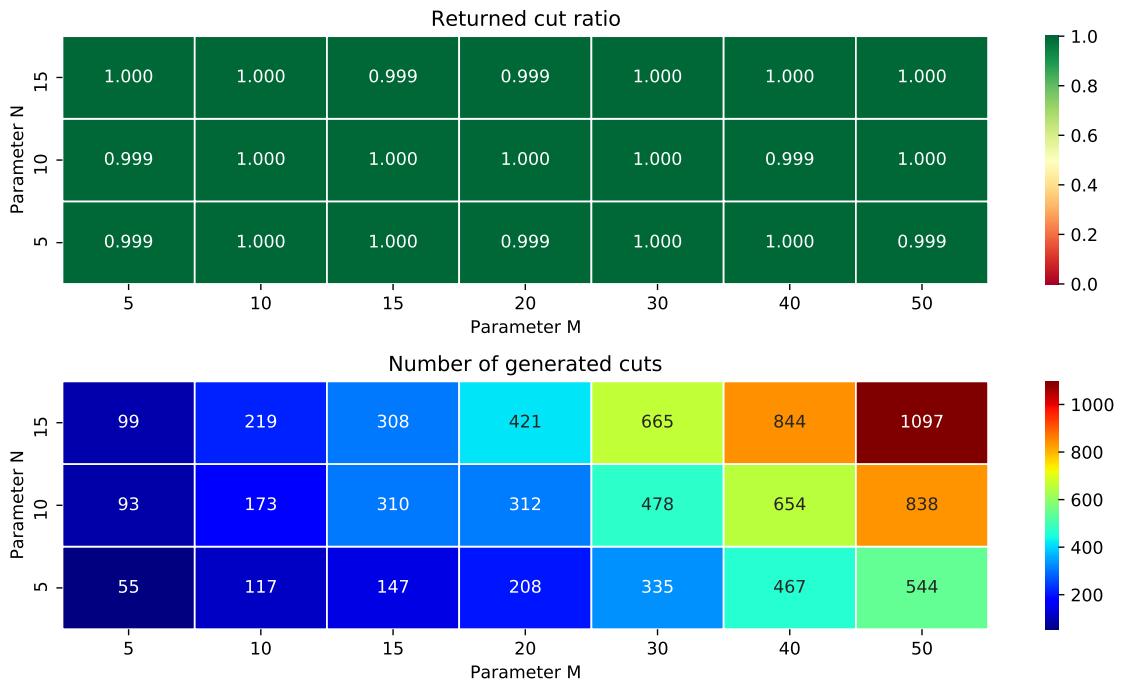


Figure 413: The top plot shows the ratio of returned value and optimal value and the bottom plot shows the number of generated cuts.

w05_100.2

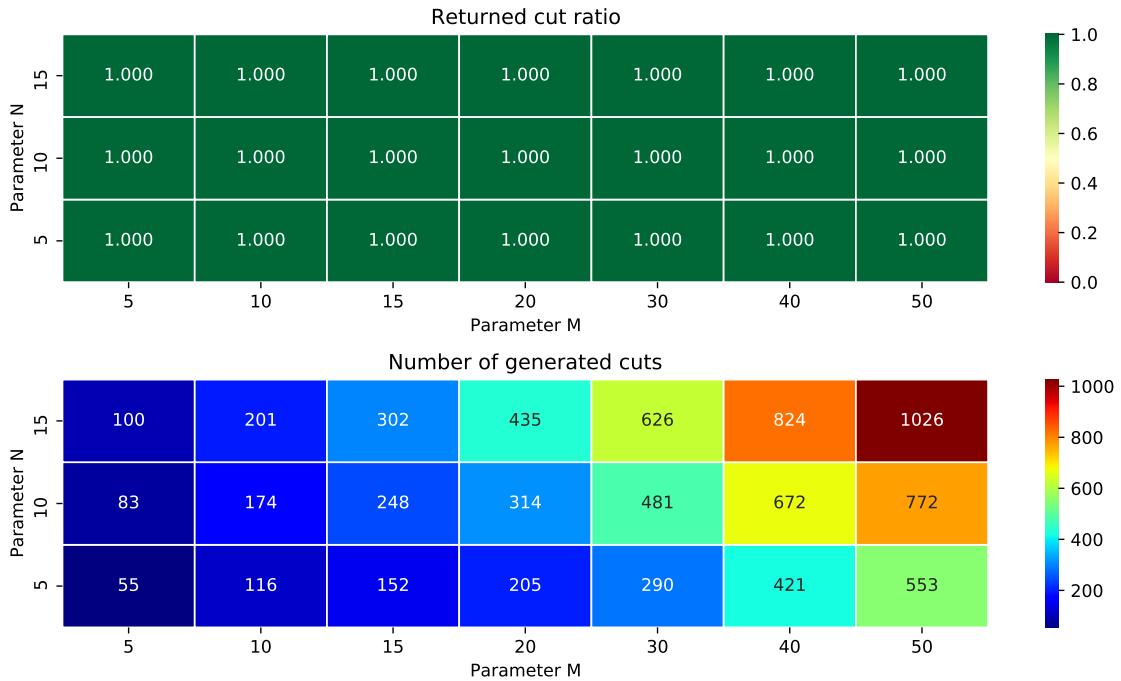


Figure 414: The top plot shows the ratio of returned value and optimal value and the bottom plot shows the number of generated cuts.

w05_100.3

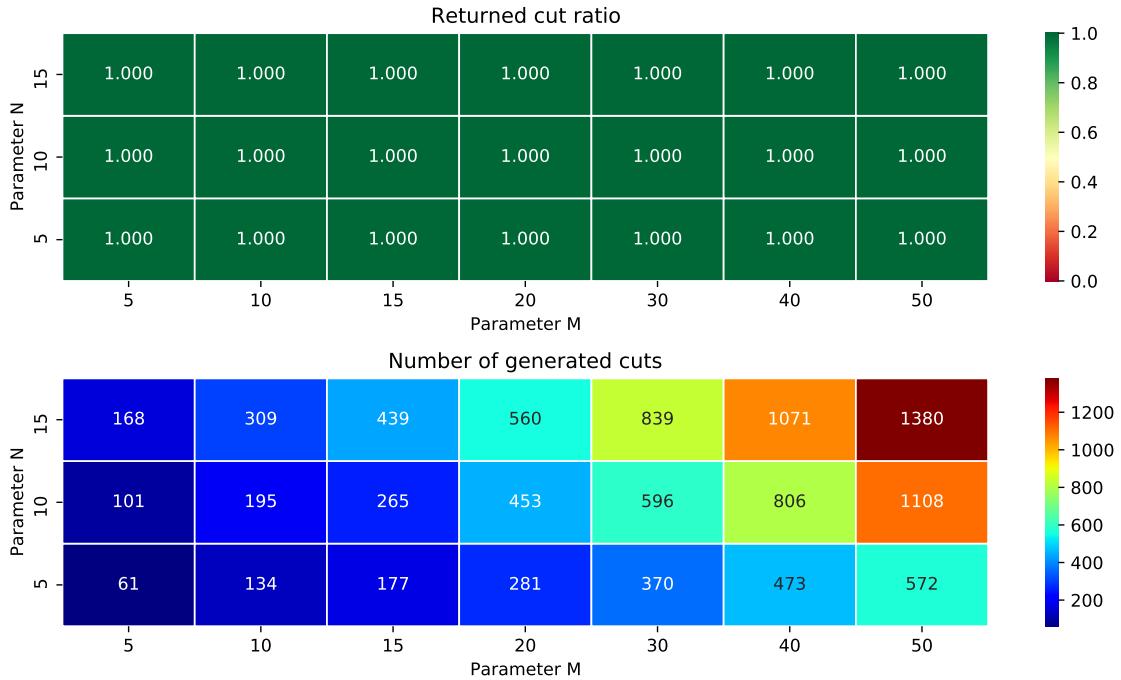


Figure 415: The top plot shows the ratio of returned value and optimal value and the bottom plot shows the number of generated cuts.

w05_100.4

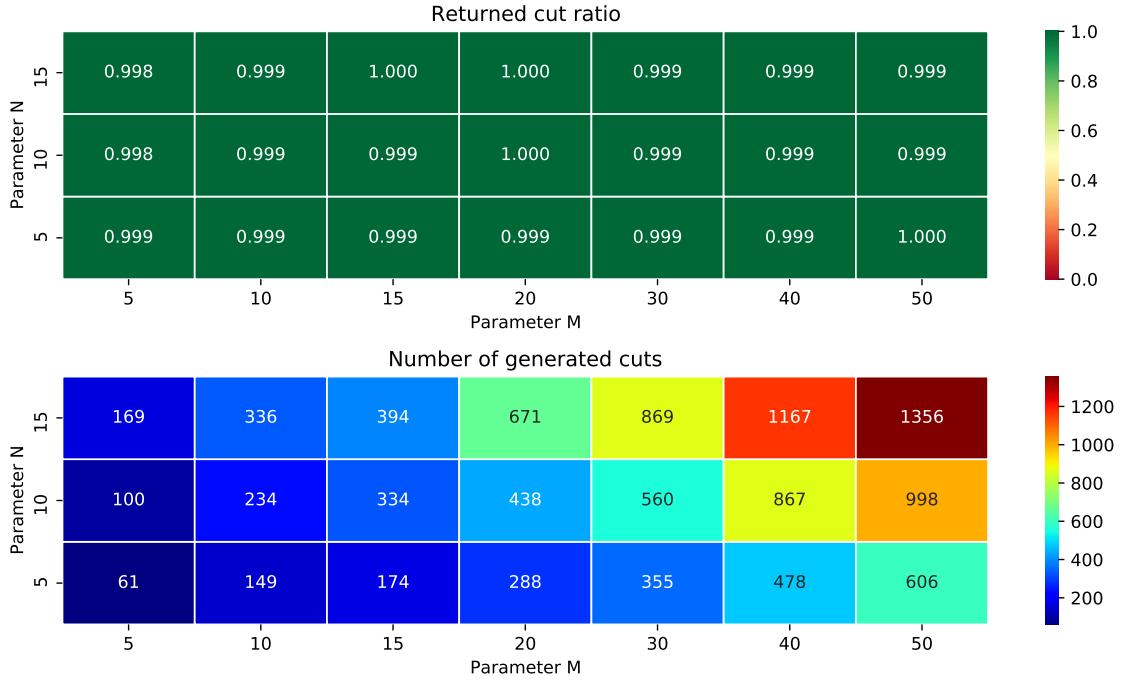


Figure 416: The top plot shows the ratio of returned value and optimal value and the bottom plot shows the number of generated cuts.

w05_100.5

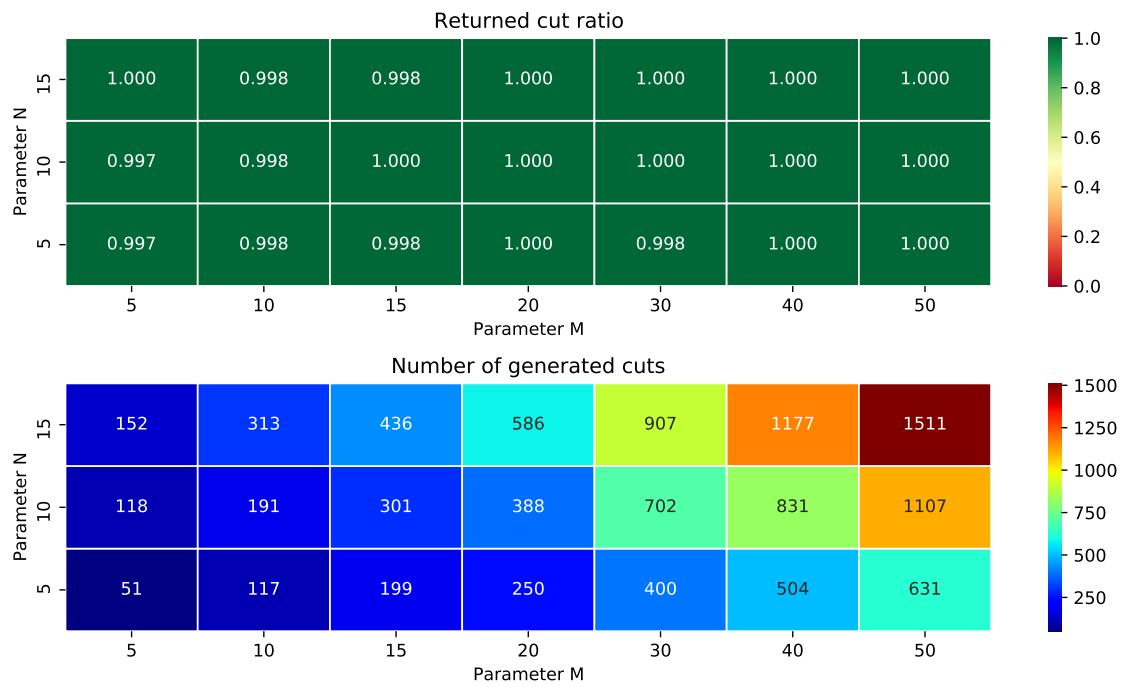


Figure 417: The top plot shows the ratio of returned value and optimal value and the bottom plot shows the number of generated cuts.

w05_100.6

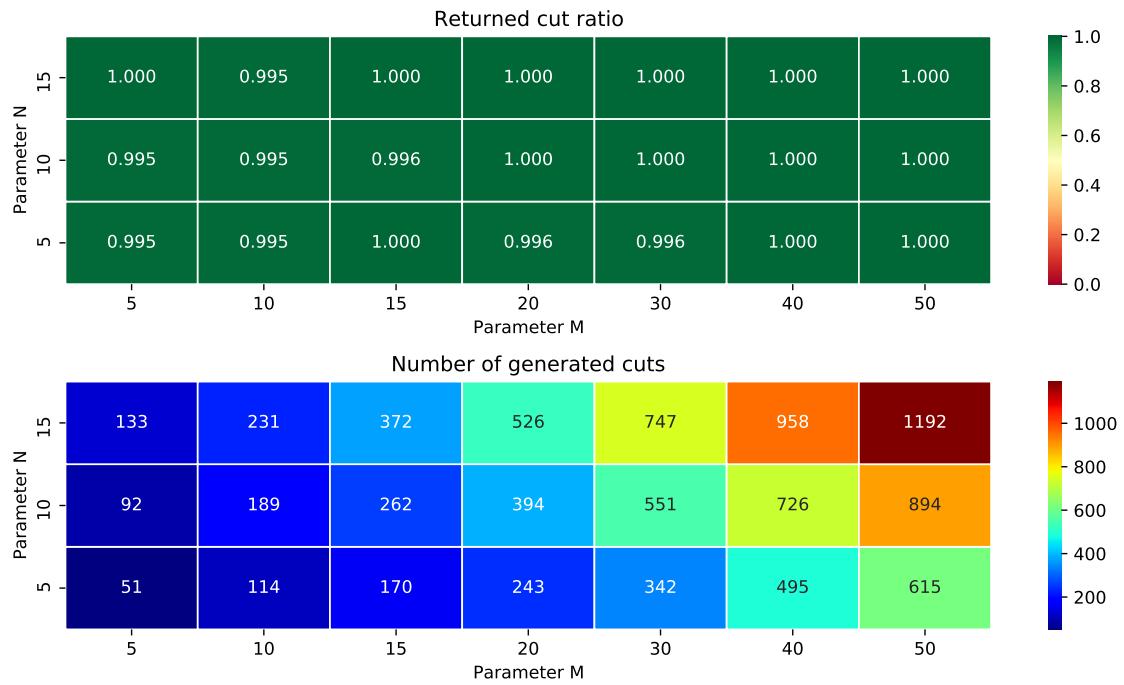


Figure 418: The top plot shows the ratio of returned value and optimal value and the bottom plot shows the number of generated cuts.

w05_100.7

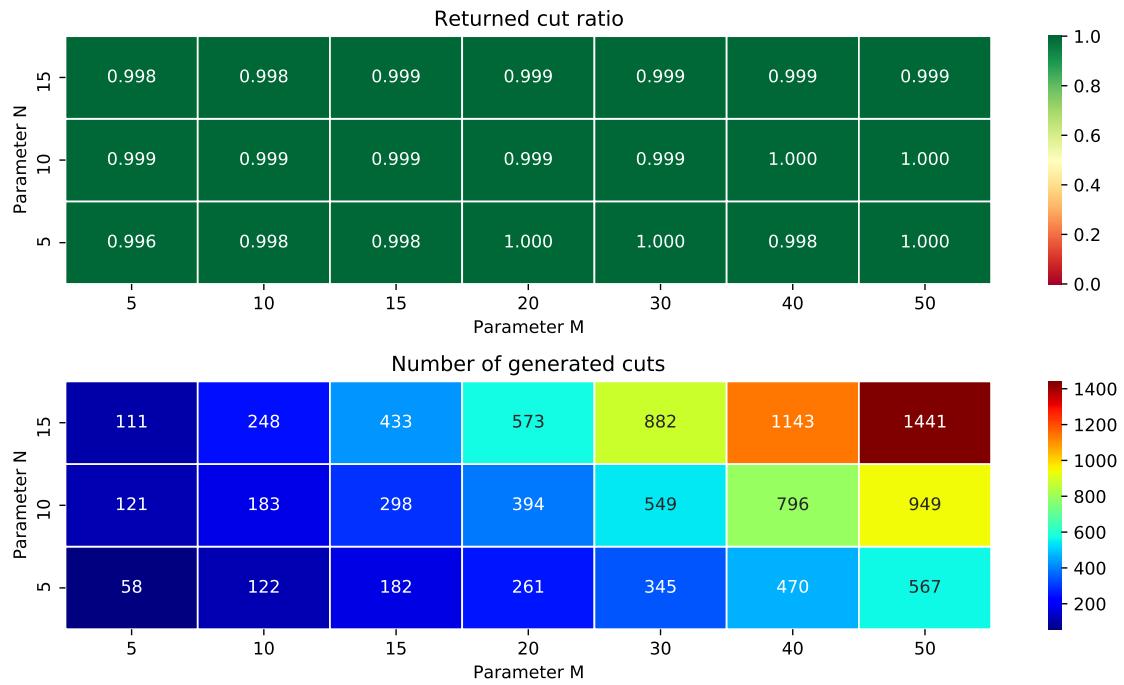


Figure 419: The top plot shows the ratio of returned value and optimal value and the bottom plot shows the number of generated cuts.

w05_100.8



Figure 420: The top plot shows the ratio of returned value and optimal value and the bottom plot shows the number of generated cuts.

w05_100.9

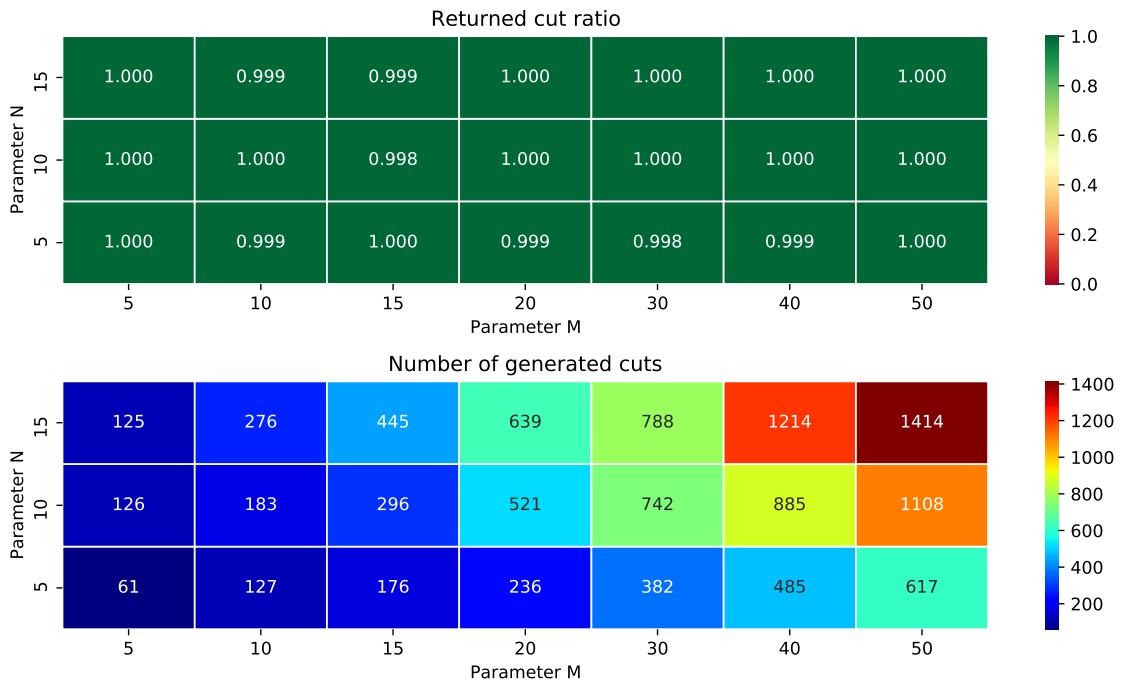


Figure 421: The top plot shows the ratio of returned value and optimal value and the bottom plot shows the number of generated cuts.

w09_100.0

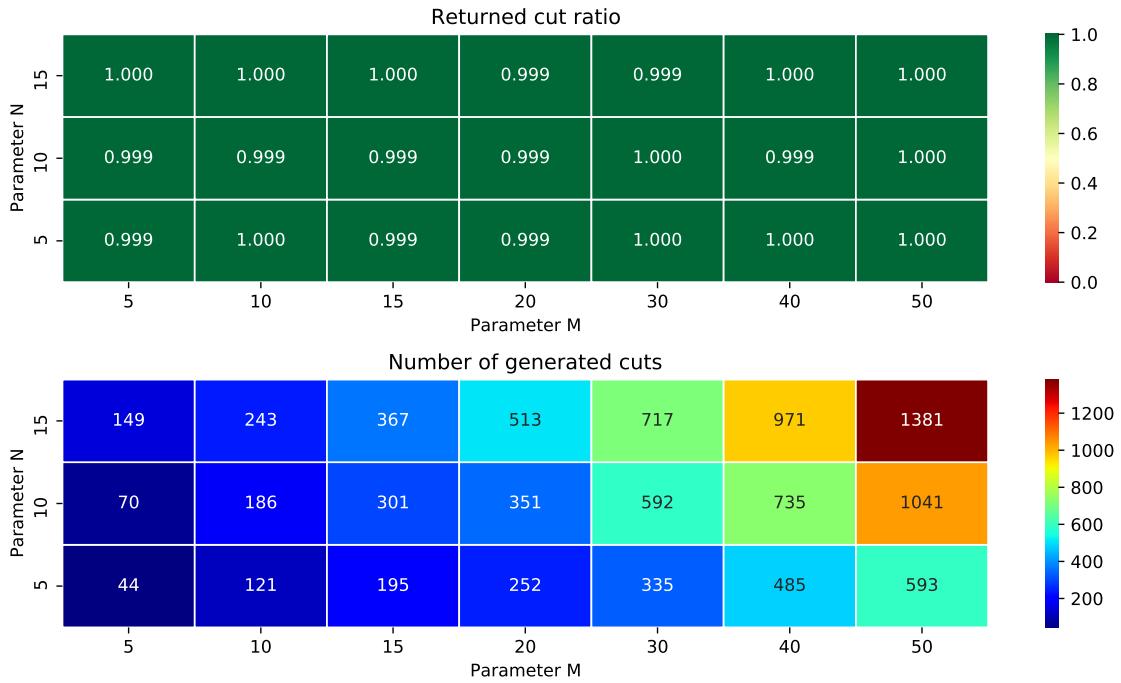


Figure 422: The top plot shows the ratio of returned value and optimal value and the bottom plot shows the number of generated cuts.

w09_100.1

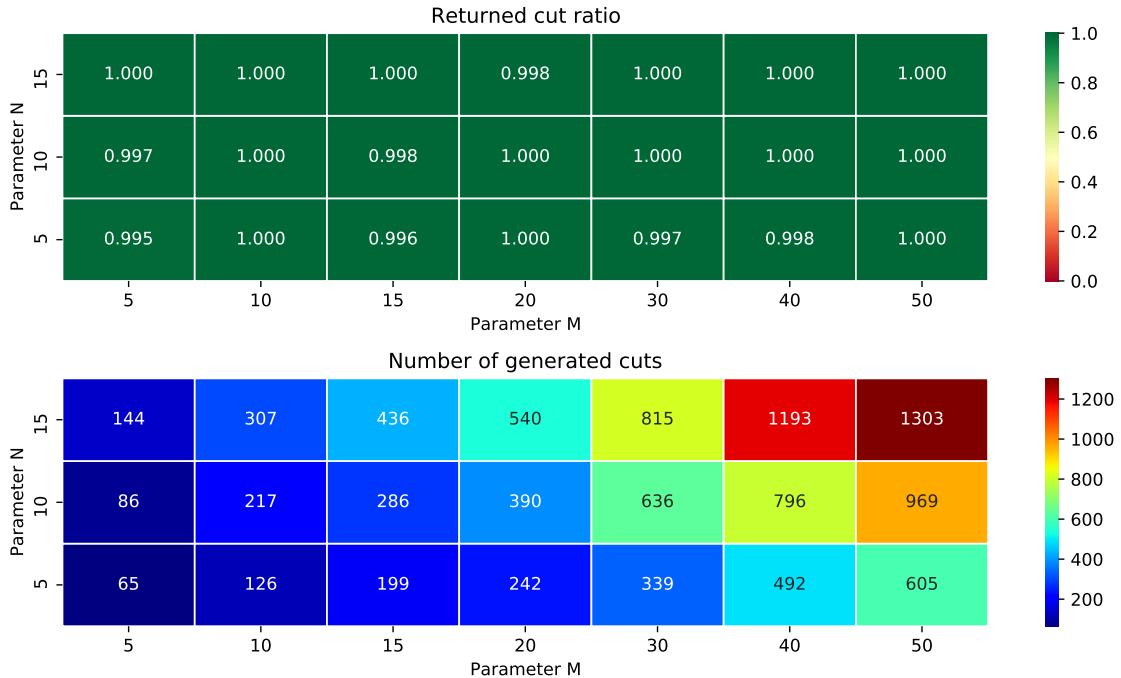


Figure 423: The top plot shows the ratio of returned value and optimal value and the bottom plot shows the number of generated cuts.

w09_100.2

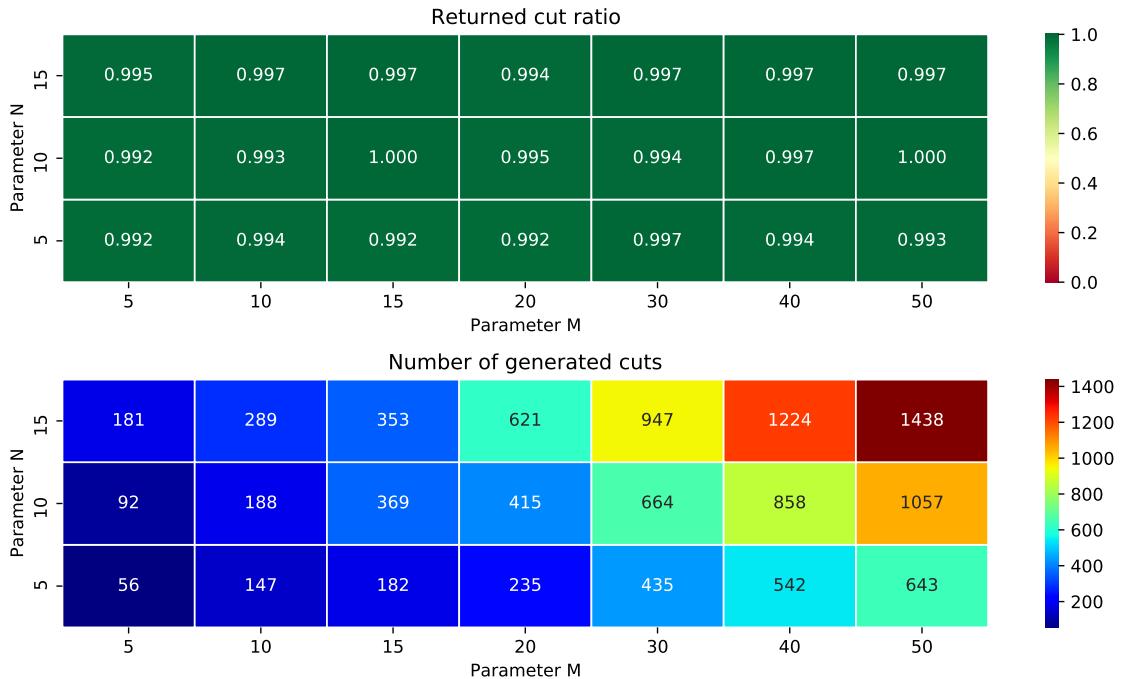


Figure 424: The top plot shows the ratio of returned value and optimal value and the bottom plot shows the number of generated cuts.

w09_100.3



Figure 425: The top plot shows the ratio of returned value and optimal value and the bottom plot shows the number of generated cuts.

w09_100.4

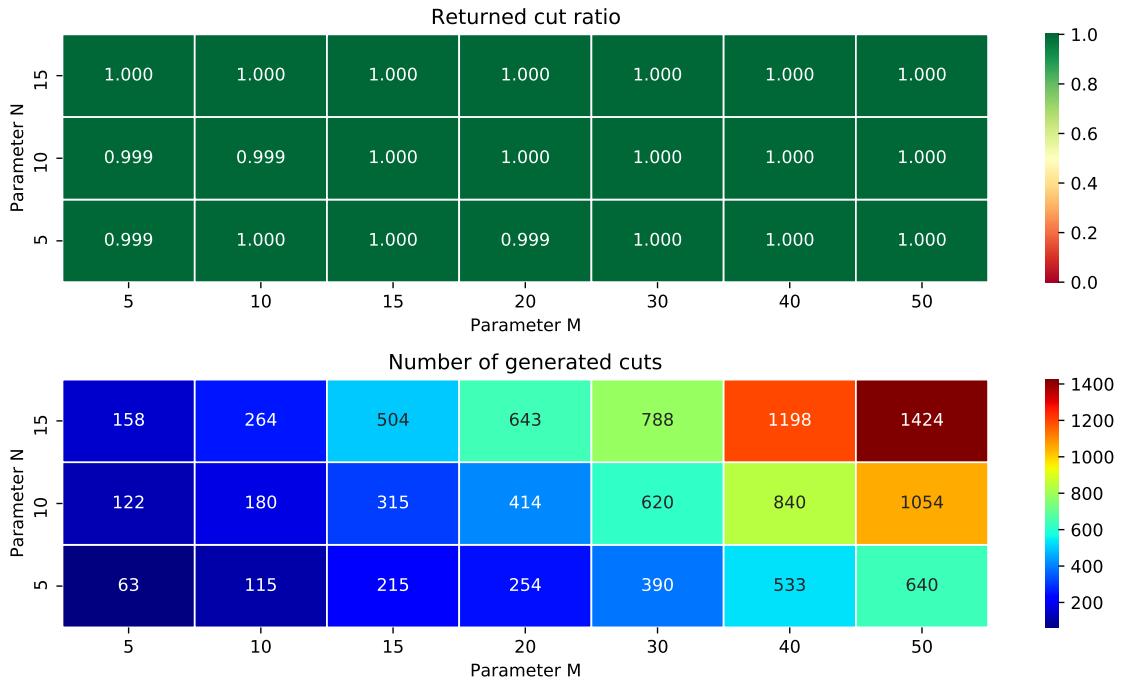


Figure 426: The top plot shows the ratio of returned value and optimal value and the bottom plot shows the number of generated cuts.

w09_100.5

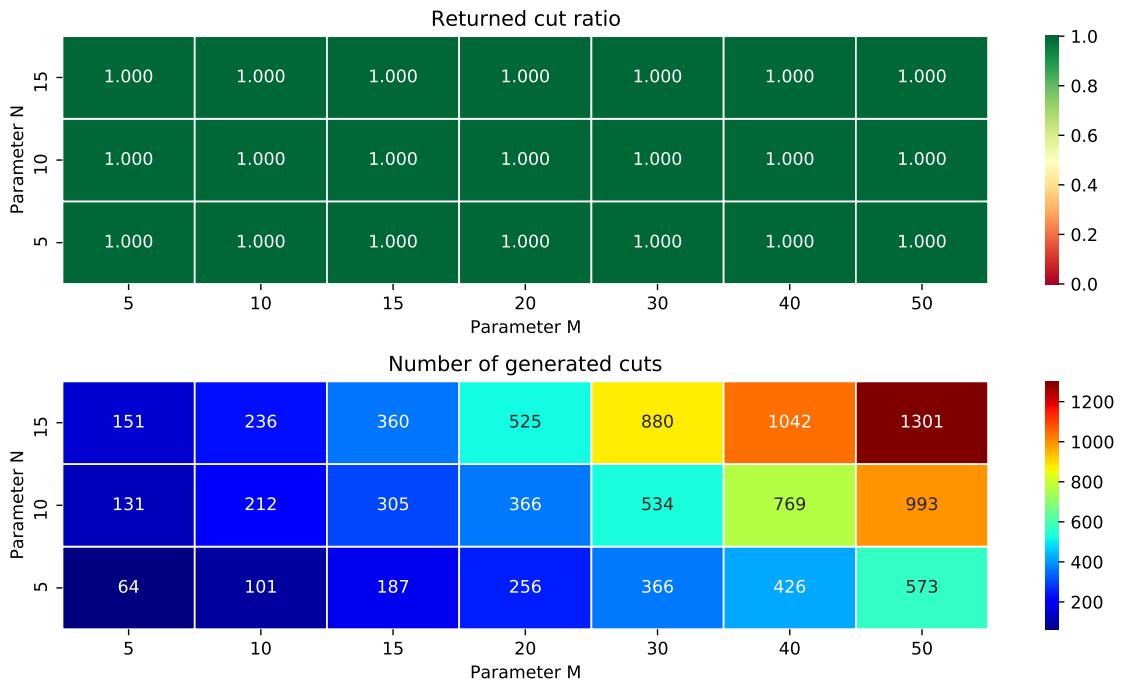


Figure 427: The top plot shows the ratio of returned value and optimal value and the bottom plot shows the number of generated cuts.

w09_100.6

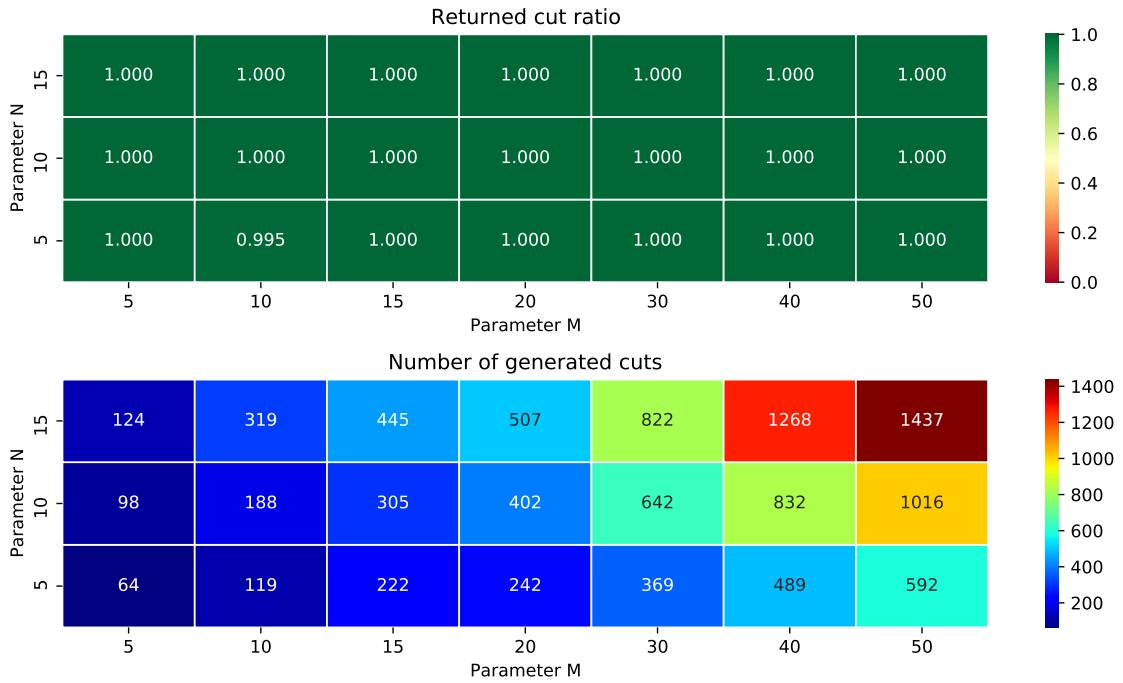


Figure 428: The top plot shows the ratio of returned value and optimal value and the bottom plot shows the number of generated cuts.

w09_100.7

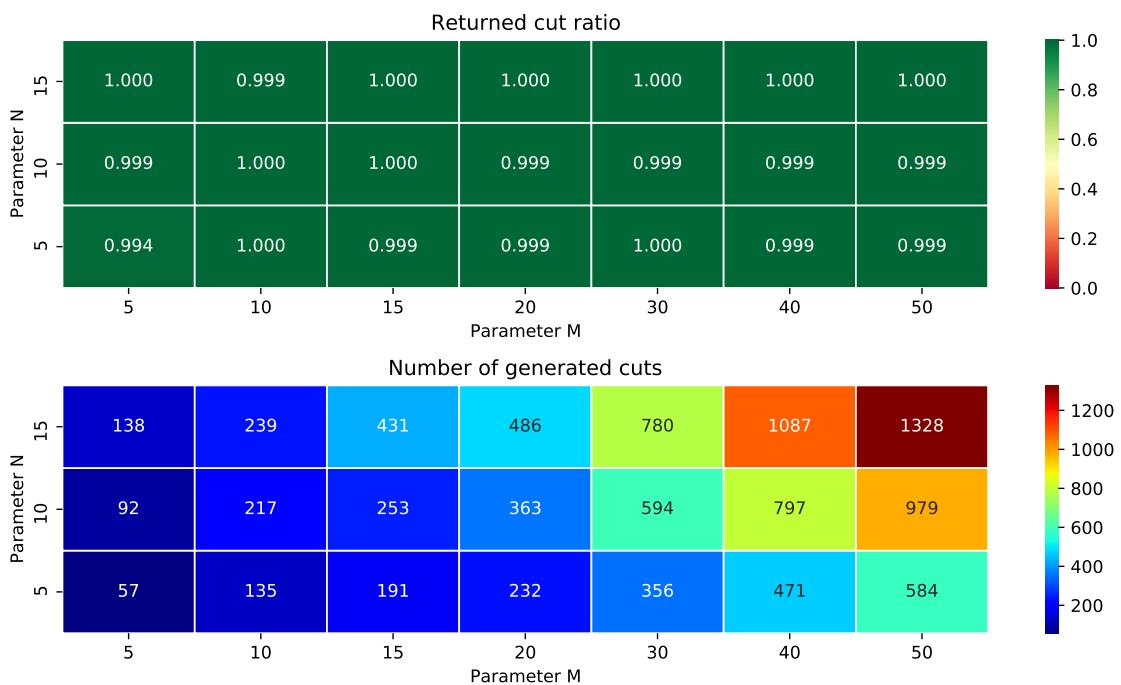


Figure 429: The top plot shows the ratio of returned value and optimal value and the bottom plot shows the number of generated cuts.

w09_100.8

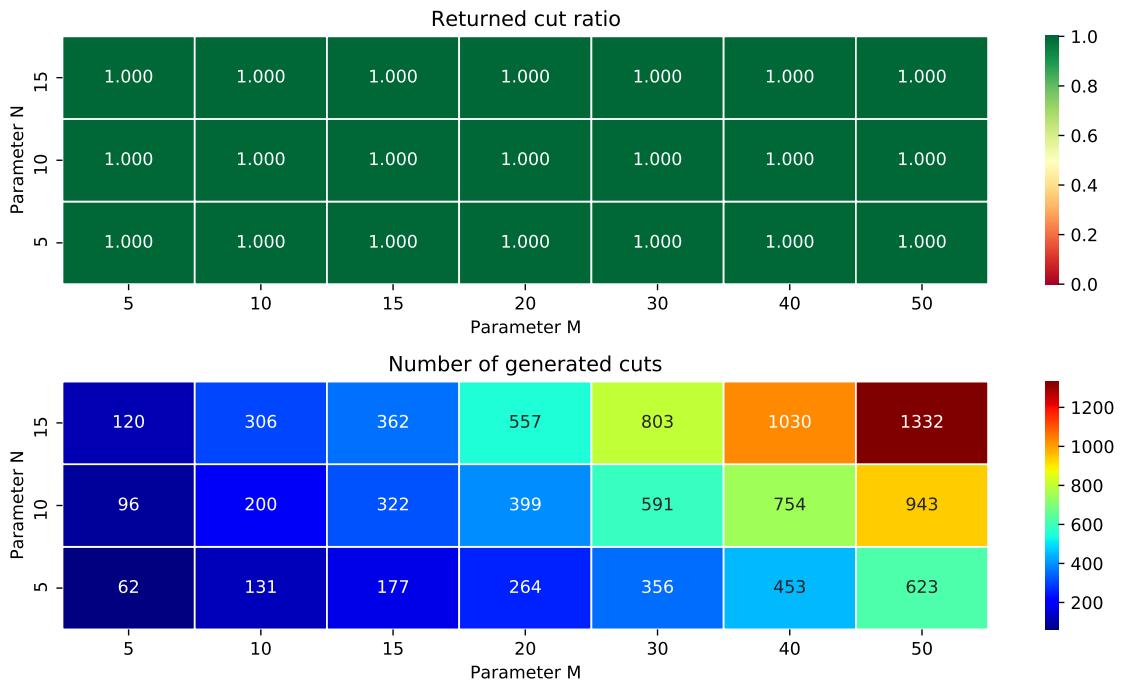


Figure 430: The top plot shows the ratio of returned value and optimal value and the bottom plot shows the number of generated cuts.

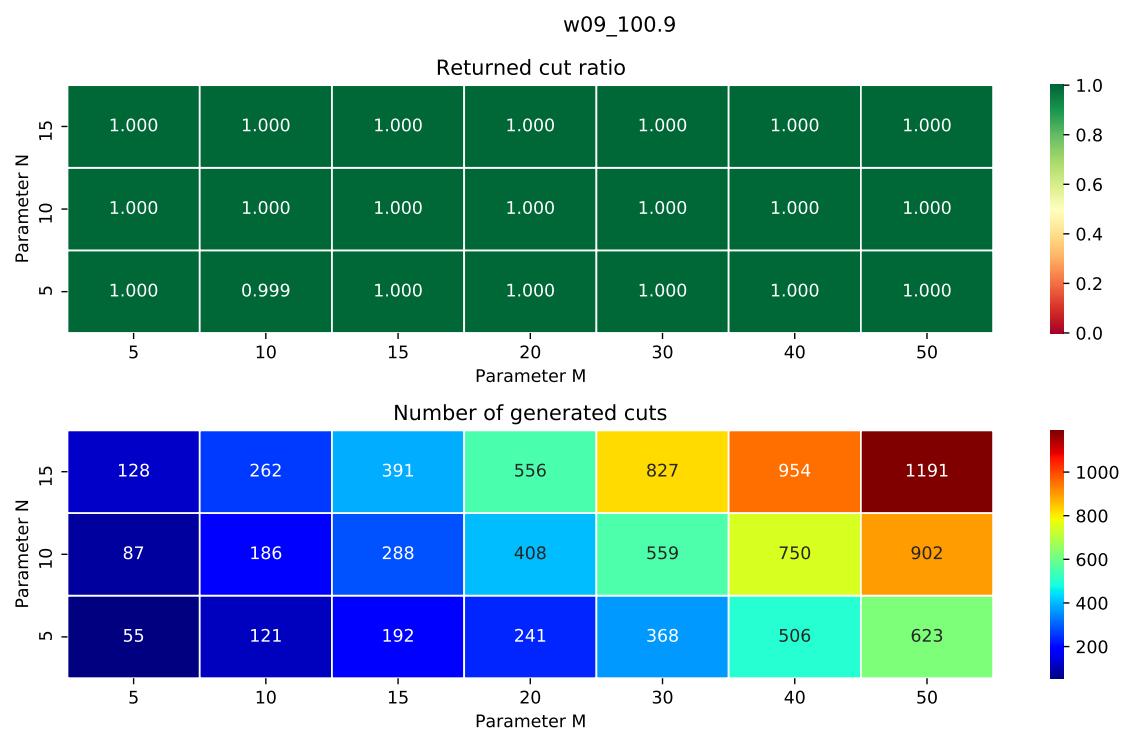


Figure 431: The top plot shows the ratio of returned value and optimal value and the bottom plot shows the number of generated cuts.