Through our testing of “Hill Climbing Without Random Restart,” we discovered that the algorithm, on average, found an answer within ~94% of the correct answer. We believe that the sub-optimality does not change as the problem grows harder. According to our testing, the algorithm found an answer within ~94% of the correct answer regardless of the number of variables we used. Furthermore, as the number of variables changed, the degree of optimality did not change and continued to find an answer within ~94% of the correct answer.