

Description

Easy instance of the special case of a NP-complete problem.

Flag

WMCTF{83077532752999414286785898029842440}

Writeup

Same as the challenge [Sum](#) except lower dimension.

```
sage9jupyter (python3.7) 1 ubuntu@192.144.202.54 (ssh) 2 ~ (zsh) 3 +
[4] n=120 7 runs. BKZ running time: 13.843s
[28] n=120 6 runs. BKZ running time: 15.673s
[12] n=120 7 runs. BKZ running time: 11.874s
[2] n=120 6 runs. BKZ running time: 23.077s
[22] n=120 7 runs. BKZ running time: 13.029s
[1] n=120 7 runs. BKZ running time: 10.758s
[19] n=120 7 runs. BKZ running time: 15.345s
[13] n=120 7 runs. BKZ running time: 15.269s
[15] n=120 6 runs. BKZ running time: 7.541s
[27] n=120 6 runs. BKZ running time: 11.610s
[21] n=120 7 runs. BKZ running time: 8.615s
[14] n=120 9 runs. BKZ running time: 4.687s
[8] n=120 7 runs. BKZ running time: 6.980s
[5] n=120 6 runs. BKZ running time: 14.081s
[18] n=120 6 runs. BKZ running time: 21.979s
[11] n=120 8 runs. BKZ running time: 12.703s
[6] n=120 6 runs. BKZ running time: 18.554s
[3] n=120 5 runs. BKZ running time: 26.732s
[7] n=120 8 runs. BKZ running time: 9.810s
[17] n=120 8 runs. BKZ running time: 15.442s
[29] n=120 6 runs. BKZ running time: 23.228s
[24] n=120 7 runs. BKZ running time: 7.406s
[20] n=120 7 runs. BKZ running time: 14.406s
[30] n=120 8 runs. BKZ running time: 9.400s
[12] n=120 8 runs. BKZ running time: 7.551s
[31] n=120 7 runs. BKZ running time: 13.111s
[31] n=120 After 7 runs. FIND SVP!!! (0, 0, 0, 1, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 1, 0, 0, 1, 1, 1, 1, 0
, 0, 0, 1, 0, 0, 0, 1, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 1, 0, 1, 0, 0, 1, 1, 0, 0, 0, 0, 1, 1, 0, 0, 0, 0, 0, 0, 0, 0
, 1, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 1, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0
, 0, 0, 0, 0, 0, 0, 0, 0, 0, 1, 0, 0, 0, 0, 0)
Single core time used: 85.786s
root@VM-0-16-ubuntu:~#
```