insert n >> 4

insert alpha >> 2

- 8 4 2 1
- 1 2 4 8
- 1 2 8 4
- 1 4 2 8
- 1 4 8 2
- 1 8 4 2
- 1 8 2 4
- 2 1 4 8
- 2 1 8 4
- 2 4 1 8
- 2 4 8 1
- 2 8 4 1
- 2 8 1 4
- 4 2 1 8
- 4 2 8 1
- 4 1 2 8
- 4 1 8 2
- 4 8 1 2

2 1

4 8

- 8 2 4 1
- 8 2 1 4
- 8 4 2 1
- 8 4 1 2
- 8 1 4 2
- 8 1 2 4

- [1, -a*ks, 0, 0, 0, 0, 0]
- [1, -ks, -1, 0, 0, 0, 0, 0]
- [0, 2*a*ks, 1, -2*a*ks, 0, 0, 0, 0]
- [0, 0, 1, -ks, -1, 0, 0, 0]
- [0, 0, 0, 4*a*ks, 1, -4*a*ks, 0, 0]
- [0, 0, 0, 0, 1, -ks, -1, 0]
- [0, 0, 0, 0, 8*a*ks, 1, -8*a*ks]
- [0, 0, 0, 0, 0, 1, -ks]
- [1, -a*ks, 0, 0, 0, 0, 0]
- [1, -ks, -1, 0, 0, 0, 0, 0]
- [0, 2*a*ks, 1, -2*a*ks, 0, 0, 0, 0]
- [0, 0, 1, -ks, -1, 0, 0, 0]
- [0, 0, 0, 8*a*ks, 1, -8*a*ks, 0, 0]
- [0, 0, 0, 0, 1, -ks, -1, 0]
- [0, 0, 0, 0, 4*a*ks, 1, -4*a*ks]
- [0, 0, 0, 0, 0, 1, -ks]
- [1, -a*ks, 0, 0, 0, 0, 0, 0]
- [1, -ks, -1, 0, 0, 0, 0, 0]
- [0, 4*a*ks, 1, -4*a*ks, 0, 0, 0, 0]
- [0, 0, 1, -ks, -1, 0, 0, 0]
- [0, 0, 0, 2*a*ks, 1, -2*a*ks, 0, 0]
- [0, 0, 0, 0, 1, -ks, -1, 0]
- [0, 0, 0, 0, 8*a*ks, 1, -8*a*ks]
- [0, 0, 0, 0, 0, 1, -ks]
- [1, -a*ks, 0, 0, 0, 0, 0]
- [1, -ks, -1, 0, 0, 0, 0, 0]

- [0,4*a*ks, 1,-4*a*ks, 0, 0, 0, 0]
- [0, 0, 1, -ks, -1, 0, 0, 0]
- [0, 0, 0, 8*a*ks, 1, -8*a*ks, 0, 0]
- [0, 0, 0, 0, 1, -ks, -1, 0]
- [0, 0, 0, 0, 2*a*ks, 1, -2*a*ks]
- [0, 0, 0, 0, 0, 1, -ks]
- [1, -a*ks, 0, 0, 0, 0, 0]
- [1, -ks, -1, 0, 0, 0, 0, 0]
- [0,8*a*ks, 1,-8*a*ks, 0, 0, 0, 0]
- [0, 0, 1, -ks, -1, 0, 0, 0]
- [0, 0, 0, 4*a*ks, 1, -4*a*ks, 0, 0]
- [0, 0, 0, 0, 1, -ks, -1, 0]
- [0, 0, 0, 0, 2*a*ks, 1, -2*a*ks]
- [0, 0, 0, 0, 0, 1, -ks]
- [1, -a*ks, 0, 0, 0, 0, 0]
- [1, -ks, -1, 0, 0, 0, 0, 0]
- [0,8*a*ks, 1,-8*a*ks, 0, 0, 0, 0]
- [0, 0, 1, -ks, -1, 0, 0, 0]
- [0, 0, 0, 2*a*ks, 1, -2*a*ks, 0, 0]
- [0, 0, 0, 0, 1, -ks, -1, 0]
- [0, 0, 0, 0, 4*a*ks, 1, -4*a*ks]
- [0, 0, 0, 0, 0, 1, -ks]
- [1, -2*a*ks, 0, 0, 0, 0, 0
- [1, -ks, -1, 0, 0, 0, 0, 0]
- [0, a*ks, 1, -a*ks, 0, 0, 0, 0]
- [0, 0, 1, -ks, -1, 0, 0, 0]

- [0, 0, 0, 4*a*ks, 1, -4*a*ks, 0, 0]
- [0, 0, 0, 0, 1, -ks, -1, 0]
- [0, 0, 0, 0, 8*a*ks, 1, -8*a*ks]
- [0, 0, 0, 0, 0, 1, -ks]
- [1, -2*a*ks, 0, 0, 0, 0, 0, 0]
- [1, -ks, -1, 0, 0, 0, 0, 0]
- [0, a*ks, 1, -a*ks, 0, 0, 0, 0]
- [0, 0, 1, -ks, -1, 0, 0, 0]
- [0, 0, 0, 8*a*ks, 1, -8*a*ks, 0, 0]
- [0, 0, 0, 0, 1, -ks, -1, 0]
- [0, 0, 0, 0, 4*a*ks, 1, -4*a*ks]
- [0, 0, 0, 0, 0, 1, -ks]
- [1,-2*a*ks, 0, 0, 0, 0, 0, 0]
- [1, -ks, -1, 0, 0, 0, 0, 0]
- [0, 4*a*ks, 1, -4*a*ks, 0, 0, 0, 0]
- [0, 0, 1, -ks, -1, 0, 0, 0]
- [0, 0, 0, a*ks, 1, -a*ks, 0, 0]
- [0, 0, 0, 0, 1, -ks, -1, 0]
- [0, 0, 0, 0, 8*a*ks, 1, -8*a*ks]
- [0, 0, 0, 0, 0, 1, -ks]
- [1, -2*a*ks, 0, 0, 0, 0, 0]
- [1, -ks, -1, 0, 0, 0, 0, 0]
- [0, 4*a*ks, 1, -4*a*ks, 0, 0, 0, 0]
- [0, 0, 1, -ks, -1, 0, 0, 0]
- [0, 0, 0, 8*a*ks, 1, -8*a*ks, 0, 0]
- [0, 0, 0, 0, 1, -ks, -1, 0]

- [0, 0, 0, 0, a*ks, 1, -a*ks]
- [0, 0, 0, 0, 0, 1, -ks]
- [1, -2*a*ks, 0, 0, 0, 0, 0]
- [1, -ks, -1, 0, 0, 0, 0, 0]
- [0, 8*a*ks, 1, -8*a*ks, 0, 0, 0, 0]
- [0, 0, 1, -ks, -1, 0, 0, 0]
- [0, 0, 0, 4*a*ks, 1, -4*a*ks, 0, 0]
- [0, 0, 0, 0, 1, -ks, -1, 0]
- [0, 0, 0, 0, a*ks, 1, -a*ks]
- [0, 0, 0, 0, 0, 1, -ks]
- [1, -2*a*ks, 0, 0, 0, 0, 0]
- [1, -ks, -1, 0, 0, 0, 0, 0]
- [0, 8*a*ks, 1, -8*a*ks, 0, 0, 0, 0]
- [0, 0, 1, -ks, -1, 0, 0, 0]
- [0, 0, 0, a*ks, 1, -a*ks, 0, 0]
- [0, 0, 0, 0, 1, -ks, -1, 0]
- [0, 0, 0, 0, 4*a*ks, 1, -4*a*ks]
- [0, 0, 0, 0, 0, 1, -ks]
- [1,-4*a*ks, 0, 0, 0, 0, 0, 0]
- [1, -ks, -1, 0, 0, 0, 0, 0]
- [0, 2*a*ks, 1, -2*a*ks, 0, 0, 0, 0]
- [0, 0, 1, -ks, -1, 0, 0, 0]
- [0, 0, 0, a*ks, 1, -a*ks, 0, 0]
- [0, 0, 0, 0, 1, -ks, -1, 0]
- [0, 0, 0, 0, 8*a*ks, 1, -8*a*ks]
- [0, 0, 0, 0, 0, 1, -ks]

- [1,-4*a*ks, 0, 0, 0, 0, 0, 0]
- [1, -ks, -1, 0, 0, 0, 0, 0]
- [0, 2*a*ks, 1, -2*a*ks, 0, 0, 0, 0]
- [0, 0, 1, -ks, -1, 0, 0, 0]
- [0, 0, 0, 8*a*ks, 1, -8*a*ks, 0, 0]
- [0, 0, 0, 0, 1, -ks, -1, 0]
- [0, 0, 0, 0, a*ks, 1, -a*ks]
- [0, 0, 0, 0, 0, 1, -ks]
- [1,-4*a*ks, 0, 0, 0, 0, 0, 0]
- [1, -ks, -1, 0, 0, 0, 0, 0]
- [0, a*ks, 1, -a*ks, 0, 0, 0, 0]
- [0, 0, 1, -ks, -1, 0, 0, 0]
- [0, 0, 0, 2*a*ks, 1, -2*a*ks, 0, 0]
- [0, 0, 0, 0, 1, -ks, -1, 0]
- [0, 0, 0, 0, 8*a*ks, 1, -8*a*ks]
- [0, 0, 0, 0, 0, 1, -ks]
- [1, -4*a*ks, 0, 0, 0, 0, 0, 0]
- [1, -ks, -1, 0, 0, 0, 0, 0]
- [0, a*ks, 1, -a*ks, 0, 0, 0, 0]
- [0, 0, 1, -ks, -1, 0, 0, 0]
- [0, 0, 0, 8*a*ks, 1, -8*a*ks, 0, 0]
- [0, 0, 0, 0, 1, -ks, -1, 0]
- [0, 0, 0, 0, 2*a*ks, 1, -2*a*ks]
- [0, 0, 0, 0, 0, 1, -ks]
- [1,-4*a*ks, 0, 0, 0, 0, 0

- [1, -ks, -1, 0, 0, 0, 0, 0]
- [0, 8*a*ks, 1, -8*a*ks, 0, 0, 0, 0]
- [0, 0, 1, -ks, -1, 0, 0, 0]
- [0, 0, 0, a*ks, 1, -a*ks, 0, 0]
- [0, 0, 0, 0, 1, -ks, -1, 0]
- [0, 0, 0, 0, 2*a*ks, 1, -2*a*ks]
- [0, 0, 0, 0, 0, 1, -ks]
- [1,-4*a*ks, 0, 0, 0, 0, 0, 0]
- [1, -ks, -1, 0, 0, 0, 0, 0]
- [0, 8*a*ks, 1, -8*a*ks, 0, 0, 0, 0]
- [0, 0, 1, -ks, -1, 0, 0, 0]
- [0, 0, 0, 2*a*ks, 1, -2*a*ks, 0, 0]
- [0, 0, 0, 0, 1, -ks, -1, 0]
- [0, 0, 0, 0, a*ks, 1, -a*ks]
- [0, 0, 0, 0, 0, 1, -ks]
- [1, -8*a*ks, 0, 0, 0, 0, 0, 0]
- [1, -ks, -1, 0, 0, 0, 0, 0]
- [0, 2*a*ks, 1, -2*a*ks, 0, 0, 0, 0]
- [0, 0, 1, -ks, -1, 0, 0, 0]
- [0, 0, 0, 4*a*ks, 1, -4*a*ks, 0, 0]
- [0, 0, 0, 0, 1, -ks, -1, 0]
- [0, 0, 0, 0, a*ks, 1, -a*ks]
- [0, 0, 0, 0, 0, 1, -ks]
- [1, -8*a*ks, 0, 0, 0, 0, 0, 0
- [1, -ks, -1, 0, 0, 0, 0, 0]
- [0, 2*a*ks, 1, -2*a*ks, 0, 0, 0, 0]

- [0, 0, 1, -ks, -1, 0, 0, 0]
- [0, 0, 0, a*ks, 1, -a*ks, 0, 0]
- [0, 0, 0, 0, 1, -ks, -1, 0]
- [0, 0, 0, 0, 4*a*ks, 1, -4*a*ks]
- [0, 0, 0, 0, 0, 1, -ks]
- [1,-8*a*ks, 0, 0, 0, 0, 0, 0]
- [1, -ks, -1, 0, 0, 0, 0, 0]
- [0, 4*a*ks, 1, -4*a*ks, 0, 0, 0, 0]
- [0, 0, 1, -ks, -1, 0, 0, 0]
- [0, 0, 0, 2*a*ks, 1, -2*a*ks, 0, 0]
- [0, 0, 0, 0, 1, -ks, -1, 0]
- [0, 0, 0, 0, a*ks, 1, -a*ks]
- [0, 0, 0, 0, 0, 1, -ks]
- [1, -8*a*ks, 0, 0, 0, 0, 0]
- [1, -ks, -1, 0, 0, 0, 0, 0]
- [0, 4*a*ks, 1, -4*a*ks, 0, 0, 0, 0]
- [0, 0, 1, -ks, -1, 0, 0, 0]
- [0, 0, 0, a*ks, 1, -a*ks, 0, 0]
- [0, 0, 0, 0, 1, -ks, -1, 0]
- [0, 0, 0, 0, 2*a*ks, 1, -2*a*ks]
- [0, 0, 0, 0, 0, 1, -ks]
- [1, -8*a*ks, 0, 0, 0, 0, 0]
- [1, -ks, -1, 0, 0, 0, 0, 0]
- [0, a*ks, 1, -a*ks, 0, 0, 0, 0]
- [0, 0, 1, -ks, -1, 0, 0, 0]
- [0, 0, 0, 4*a*ks, 1, -4*a*ks, 0, 0]

- [0, 0, 0, 0, 1, -ks, -1, 0]
- [0, 0, 0, 0, 2*a*ks, 1, -2*a*ks]
- [0, 0, 0, 0, 0, 1, -ks]
- [1, -8*a*ks, 0, 0, 0, 0, 0, 0]
- [1, -ks, -1, 0, 0, 0, 0, 0]
- [0, a*ks, 1, -a*ks, 0, 0, 0, 0]
- [0, 0, 1, -ks, -1, 0, 0, 0]
- [0, 0, 0, 2*a*ks, 1, -2*a*ks, 0, 0]
- [0, 0, 0, 0, 1, -ks, -1, 0]
- [0, 0, 0, 0, 4*a*ks, 1, -4*a*ks]
- [0, 0, 0, 0, 0, 1, -ks]

Columns 1 through 13

5.5482 5.4345 5.2212 4.8783 4.7199 4.9488 5.0547 4.9282 4.1099 3.1510 3.0088 3.8407 3.9649

Columns 14 through 24

2.9481 4.5621 4.1568 3.1770 2.5732 2.7490 3.6506 2.5226 3.1369 3.9342 4.2128

Rm(min) = 2.5226

insert beta >> 2

Abr1 =

0.6647 0.3323 0.1662 0.0831