

magnitude

exponent

|    | 000 | 001 | 010 | 011 | 100 | 101 | 110 | 111 |
|----|-----|-----|-----|-----|-----|-----|-----|-----|
| 00 | 1   | 1   | 1   | 1   | 1   | 1   | 1   | 1   |
| 01 | 0   | 1   | 2   | 3   | 4   | 5   | 6   | 7   |
| 10 | 0   | 1   | 4   | 9   | 16  | 25  | 36  | 49  |
| 11 | 0   | 1   | 8   | 27  | 64  | 125 | 216 | 343 |