

EXAMPLE 7.1 - EXTRA DATA

Consider the quaternion algebra $B\langle i, j, k \rangle = \left(\frac{-1, -3}{\mathbb{Q}} \right)$ where $i^2 = -1$, $j^2 = -3$, $ij = k$. The order $O = \mathbb{Z} + 2i\mathbb{Z} + 2j\mathbb{Z} + 2k\mathbb{Z}$ has 4 right equivalence classes with right order precisely O .

We list the Brandt matrices $T(n)$ for $n = 1, \dots, 14$.

[illegible]

[illegible]