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The 1882 Conjugacy Classes of the First Basic Renner Monoid of Type E_6

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Abstract

In this paper we find all conjugacy classes of the first basic Renner monoid of type E_6. They are listed in the tables of the paper.

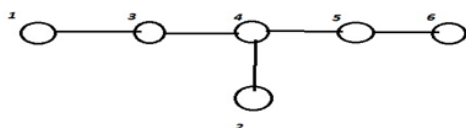**Keywords:** Conjugacy; Renner monoid; Weyl group

Introduction

The Renner monoids associated with exceptional J-irreducible algebraic monoids of type E_6; E_7; E_8; F_4; G_2 are closely related to Lie theory, semigroup theory, and other developments in mathematics and physics whose potential significance is unclear at this moment. The main result of this paper is the list of all conjugacy classes of the first basic Renner monoid of type E_6 (Definition 2.1). This list is a result of an extensive computation on a Dell desktop computer OPTIPLEX 745 with a total physical memory 2,048.00 MB (about 1 week of computing time in May, 2012) using the method described in [1]. The code of the computation is written in GAP, a computer software system for algebraic computations [2].

We consider only type $E6$ in this paper since the Renner monoid of type E_6 is not simple enough to be calculated manually and it is the simplest one among those that might be calculated by computers but not hands. There are a total of nine types of Renner monoids corresponding to the finite dimensional complex simple Lie algebras; they are the classical types A_l; B_l; C_l; D_l and the exceptional types E_6; E_7; E_8; F_4 and G_2. For the classical types there are general algebraic criteria to determine the conjugacy classes of the Renner monoids for some special cases [3-5], but there are no known existing criteria in the literature for the exceptional types at all. We have computed all the conjugacy classes of the Renner monoid of any type with rank ≤ 5. Also, with the help of GAP, we have obtained the conjugacy classes of type E_6 successfully, but for types E_7 and E_8, GAP cannot handle the complicity of the algorithm of this paper due to running out of memory. We need to either optimize our algorithm or exploit a much more powerful computer to compute the Renner monoid of these two types. As for Project supported by national NSF of China (No 11171202). Classical types A_l; B_l; C_l; D_l of rank $l ≥ 6$, the software GAP failed to find their conjugacy classes due to the same reason.

There are totally six basic Renner monoids of type E_6, each associated with a label in the Dynkin diagram (c.f. [6]) below.

The conjugacy classes of each of these six Renner monoids can be calculated similarly using the same algorithm described in this paper. For limitation of the pages, we don't list the results for the second, ..., and the sixth here. Renner monoids R were introduced by Renner [7] in his study of the structure of reductive monoids in 1986. They play the same role for reductive monoids as the Weyl group does for groups

in Lie theory. Significantly, R is a finite inverse monoid and its unit group is a Weyl group W. Rook monoids, symplectic rook monoids and orthogonal rook monoids are classical examples of Renner monoids [8-10].

Two elements a; $b ∈ R$ are conjugate if and only if there exists $w ∈ W$ such that $b=waw$. It is well known that two elements in a rook monoid are conjugate if and only if their cycle-link types are the same [11-15]. There is a one-to-one correspondence between conjugacy classes in a symplectic rook monoid and symplectic partitions [16]. Reference [17-21] gives a systematic algorithm to determine the conjugacy of two elements of R in terms of the action of certain parabolic subgroups on the cosets of some parabolic subgroups in the Weyl group. For integrity of the paper, we will briefly describe this algorithm in the next section. We refer the reader who is interested in other conjugacies in semigroup theory to [6,7,9-11,17,18], and those who are interested in conjugacy classes in semisimple algebraic groups and finite groups of Lie type to [3,4,8].

The Algorithm

To describe the algorithm in [13] and to state our main results, we need some notation and basic facts. A linear algebraic monoid M over an algebraic closed field is an affine algebraic variety together with an associative morphism from $M×M$ to M and an identity element $1 ∈ M$. An irreducible algebraic monoid is a linear algebraic monoid whose underlying affine variety is not the union of two proper closed nonempty subsets. The unit group of M, consisting of all invertible elements in M, is an algebraic group. An irreducible algebraic monoid is reductive if its unit group is a reductive group. Let M be a reductive algebraic monoid, $T ⊆ G$ a maximal torus of the unit group G, $B ⊆ G$ a Borel subgroup with $T ⊆ B$, N the normalizer of T in G, $\overline{N}$ the Zariski cloure of N in M. Then $\overline{N}$ is a unit regular inverse monoid which normalizes T, and $R=\overline{N}=T$ is a monoid, called the Renner monoid of M. This monoid contains the Weyl group $W=N=T$ as its unit group. Besides, $M=_{r2R} BrB$ (disjoin union); and if s is a simple reflection then $BsB \cdot BrB ⊆ BsrB ∪ BrB$: Denote by $E(T)=\{e ∈ \overline{T} \mid e^2=e\}$ the set of idempotents in $\overline{T}$. It carries

a partial order defined by the set $\Lambda=\{e \in E(T) \mid Be=eBe\}$ is called the cross section lattice of R. Indeed,

$$R = \coprod_{e \in \wedge} WeW$$

A reductive monoid M with 0 is called J-irreducible if $\Lambda\backslash\{0\}$ has a unique minimal element. Let G_0 be a simple algebraic group and: $G_0 \rightarrow GL(V)$ be an irreducible rational representation over an algebraically closed field K. Let $K=K\backslash\{0\}$. Then $M=K$ (G_0) is a J-irreducible monoid, called the J-irreducible monoid associated with. Let $_i$ ($1 \le i \le l$) be the fundamental dominant weights of G_0 of type X, where $X=A_l, B_l, C_l, D_l, E_6, E_7, E_8, F_4$ and G_2.

Definition 2.1: The J-irreducible monoid associated with $_i$ is called the i-th basic monoid of type X; its Renner monoid is referred to as the i-th basic Renner monoid of type X.

Denote by Δ the set of simple roots of G relative to T, and let $S=\{s \mid \in \Delta\}$ be the set of simple reflections that generate the Weyl group W. For each $e \in \Lambda$ let $W (e)=\{w \in W \mid we=ew\}$ and $W (e)=\{w \in W \mid we=ew =e\}$. Both $W (e)$ and $W (e)$ are parabolic subgroups of W, and $W (e)$ is a normal subgroup of $W (e)$. Let

$W=W (e)$ be the set of left cosets of $W (e)$ in W, and let

$D (e) = \{w \in W \mid l(wu) = l(w) + l(u)$ for all $u \in W (e)\}$:

Then $D (e)$ is a set of left coset representatives of $W=W (e)$, and each $w \in D (e)$ has a minimal length in $wW (e)$. Define the group action of $W (e)$ on $W=W (e)$ by

$w \cdot uW (e)=wuw^1W (e)$;

where $w \in W (e)$ and $u \in W$. This action is well defined since $W (e)$ is a normal subgroup of $W (e)$. We can now describe the algorithm for computing the conjugacy classes in a Renner monoid given in [13].

Theorem 2.2: a) each element in R is conjugate to an element in {we $\mid w \in D (e)\} \subseteq$. We for some $e \in \Lambda$; and no element of we is conjugate to an element of Wf for $f \ne e$: b) If $e \in \Lambda$, then two elements ue; ve in We are conjugate if and only if the two cosets uW (e) and vW (e) are in the same W (e)-orbit in W=W (e).

Main Results E_6

With the help of GAP, we obtain that the first basic Renner monoid R of type E_6 has 1882 conjugacy classes. The cross section lattice $\Lambda=\{0; e0; e1; e2; e3; e4; e5; e6; e7; e8=1\}$ where e0 is the minimal nonzero idempotent, e1=\{s1\}, e2=\{s1; s3\}, e3=\{s1; s3; s4\}, e4=\{s1; s2; s3; s4\}, e5=\{s1; s2; s3; s4; s5\}, e6=\{s1; s3; s4; s5\}, e7=\{s1; s3; s4; s5; s6\}, e8=\{s1; s2; s3; s4; s5; s6\}=1.

e	W*(e)	W*(e)	Number of Classes
0			1
e_0		<2,3,4,5,6>	3
e_1	<1>	<2,4,5,6>	16
e_2	<1,3>	<2,5,6>	113
e_3	⟨1,3,4⟩	⟨6⟩	690
e_4	⟨1,2,3,4⟩	⟨6⟩	171
e_5	⟨1,2,3,4,5⟩	φ	85
e_6	⟨1,3,4,5⟩	φ	628
e_7	⟨1; 3; 4; 5; 6⟩	φ	150
e_8=1	<1; 2; 3; 4; 5; 6⟩	φ	25

Table 1: The number of conjugacy classes associated with each $e \in \Lambda$, and the parabolic subgroups $W^* (e)$ and $W_* (e)$. The notation $l,…, j$ in the table means the subgroup $s_i,…, s_j$ of W generated by $s_i,…, s_j$ where $1 \le i; j \le 6$.

Conjugacy Classes
0
[ ]
[1]
[1, 2, 3, 4, 2, 5, 4, 3, 1, 6, 5, 4, 2]

Table 2: Conjugacy Classes Associated with 0 and e0.

Conjugacy Classes
[ ]
[3]
[1]
[3, 1]
[1, 3, 1, 4, 3]
[2, 3, 1, 4, 2, 5, 4, 3, 6, 5]
[3, 4, 2, 5, 4, 3, 6, 5, 4, 2]
[2, 3, 1, 4, 2, 5, 4, 3, 1, 6, 5]
[3, 4, 2, 5, 4, 3, 1, 6, 5, 4, 2]
[3, 1, 4, 2, 3, 4, 5, 4, 2, 3, 1, 4, 3]
[1, 3, 1, 4, 2, 3, 4, 5, 4, 2, 3, 1, 4, 3]
[1, 3, 4, 2, 3, 5, 4, 2, 3, 1, 6, 5, 4, 2, 3]
[1, 3, 1, 4, 2, 3, 5, 4, 2, 3, 4, 6, 5, 4, 2, 3]
[3, 1, 4, 2, 3, 5, 4, 2, 3, 1, 6, 5, 4, 2, 3, 4, 5]
[3, 1, 4, 2, 3, 5, 4, 2, 3, 1, 6, 5, 4, 2, 3, 1, 4, 5]

Table 3: Conjugacy Classes Associated with e1.

Conjugacy Classes	Conjugacy Classes
[ ]	[4, 3, 1, 5, 4, 2, 6, 5, 4]
[4]	[4, 2, 5, 4, 3, 1, 6, 5, 4, 3]
[3]	[4, 2, 3, 1, 5, 4, 3, 6, 5, 4]
[3, 1]	[4, 2, 3, 4, 5, 4, 2, 3, 1, 4]
[1, 4]	[4, 3, 5, 4, 2, 6, 5, 4, 3, 1]
[4, 3]	[3, 4, 2, 3, 4, 5, 4, 2, 3, 4]
[4, 3, 1]	[4, 2, 3, 1, 4, 5, 4, 2, 3, 4, 6]
[4, 2, 5, 4]	[3, 1, 4, 2, 3, 4, 5, 4, 2, 3, 4]
[4, 2, 3, 4]	[4, 2, 3, 4, 5, 4, 2, 3, 6, 5, 4]
[4, 3, 5, 4]	[3, 1, 4, 2, 3, 1, 4, 5, 4, 2, 3, 4]
[4, 2, 3, 1, 4]	[4, 2, 3, 1, 5, 4, 3, 1, 6, 5, 4, 3]
[4, 3, 1, 5, 4]	[4, 2, 3, 1, 4, 5, 4, 2, 3, 1, 4, 6]
[4, 2, 5, 4, 3]	[4, 2, 3, 4, 5, 4, 2, 3, 1, 6, 5, 4]
[4, 2, 3, 5, 4]	[4, 2, 3, 1, 4, 5, 4, 2, 3, 6, 5, 4]
[1, 4, 2, 5, 4]	[3, 4, 3, 1, 5, 4, 2, 3, 4, 6, 5, 4]
[4, 2, 5, 4, 3, 1]	[3, 4, 2, 3, 1, 4, 5, 4, 2, 3, 4, 6]
[4, 2, 3, 1, 5, 4]	[4, 2, 3, 4, 5, 4, 2, 3, 6, 5, 4, 3]
[4, 2, 3, 5, 4, 3]	[4, 2, 3, 4, 5, 4, 2, 3, 1, 6, 5, 4, 3]
[4, 2, 3, 1, 5, 4, 3]	[4, 2, 3, 1, 4, 5, 4, 2, 3, 1, 6, 5, 4]
[4, 2, 3, 5, 4, 3, 1]	[1, 3, 4, 2, 3, 1, 5, 4, 2, 3, 6, 5, 4]
[4, 3, 1, 5, 4, 2, 3, 4]	[3, 1, 4, 2, 3, 5, 4, 2, 3, 6, 5, 4, 2]
[4, 2, 3, 1, 5, 4, 3, 1]	[4, 2, 3, 1, 4, 5, 4, 2, 3, 6, 5, 4, 3]
[4, 2, 3, 1, 4, 3, 5, 4]	[1, 3, 1, 4, 3, 1, 5, 4, 2, 3, 6, 5, 4]
[4, 2, 5, 4, 3, 6, 5, 4]	[1, 4, 2, 5, 4, 3, 1, 6, 5, 4, 2, 3, 4]
[4, 3, 5, 4, 2, 6, 5, 4]	[1, 4, 2, 3, 1, 4, 3, 5, 4, 2, 6, 5, 4]
[4, 2, 3, 4, 5, 4, 2, 3, 4]	[4, 2, 3, 4, 5, 4, 2, 3, 1, 4, 3, 6, 5, 4]
[4, 2, 3, 1, 5, 4, 2, 3, 4]	[4, 2, 3, 4, 5, 4, 3, 1, 6, 5, 4, 2, 3, 4]
[4, 2, 3, 1, 4, 3, 5, 4, 3]	[1, 4, 2, 3, 1, 4, 3, 5, 4, 2, 3, 6, 5, 4]
[4, 3, 1, 5, 4, 3, 6, 5, 4]	[3, 1, 4, 2, 3, 1, 5, 4, 2, 3, 6, 5, 4, 2]
[4, 2, 5, 4, 3, 1, 6, 5, 4]	[3, 1, 4, 2, 3, 5, 4, 2, 3, 1, 6, 5, 4, 2]

Table 4: Conjugacy Classes Associated with e2.

Conjugacy Classes
[1, 3, 4, 2, 3, 1, 5, 4, 2, 3, 6, 5, 4, 3]
[4, 2, 3, 1, 4, 3, 5, 4, 2, 3, 1, 4, 3, 5, 4]
[4, 3, 1, 5, 4, 2, 3, 1, 4, 6, 5, 4, 2, 3, 4]
[4, 2, 3, 4, 5, 4, 2, 3, 1, 4, 3, 6, 5, 4, 3]
[3, 4, 2, 3, 1, 4, 3, 5, 4, 2, 3, 6, 5, 4, 2]
[4, 2, 3, 4, 5, 4, 2, 3, 1, 6, 5, 4, 2, 3, 4]
[3, 1, 4, 2, 3, 4, 5, 4, 2, 3, 1, 4, 3, 6, 5, 4]
[4, 2, 3, 1, 5, 4, 2, 3, 1, 4, 6, 5, 4, 2, 3, 4]
[3, 4, 2, 3, 1, 4, 3, 5, 4, 2, 3, 1, 4, 3, 5, 4]
[4, 3, 1, 5, 4, 2, 3, 1, 4, 6, 5, 4, 2, 3, 1, 4]
[4, 2, 3, 4, 5, 4, 2, 3, 1, 4, 6, 5, 4, 2, 3, 4]
[3, 4, 2, 3, 1, 4, 3, 5, 4, 2, 3, 1, 6, 5, 4, 2]
[4, 2, 3, 4, 5, 4, 2, 3, 1, 6, 5, 4, 2, 3, 1, 4]
[4, 3, 1, 5, 4, 2, 3, 1, 4, 6, 5, 4, 2, 3, 1, 4, 3]
[3, 4, 2, 3, 4, 5, 4, 2, 3, 4, 6, 5, 4, 2, 3, 4, 5]
[3, 1, 4, 2, 3, 4, 5, 4, 2, 3, 4, 6, 5, 4, 2, 3, 4]
[3, 4, 2, 3, 1, 4, 5, 4, 2, 3, 4, 6, 5, 4, 2, 3, 4]
[4, 2, 3, 1, 4, 3, 5, 4, 2, 3, 1, 4, 3, 6, 5, 4, 2]
[4, 2, 3, 1, 5, 4, 2, 3, 1, 4, 6, 5, 4, 2, 3, 1, 4]
[4, 2, 3, 4, 5, 4, 2, 3, 1, 4, 6, 5, 4, 2, 3, 1, 4]
[3, 4, 2, 3, 1, 4, 3, 5, 4, 3, 1, 6, 5, 4, 2, 3, 4]
[1, 4, 2, 3, 1, 4, 3, 5, 4, 3, 1, 6, 5, 4, 2, 3, 4]
[3, 4, 2, 3, 4, 5, 4, 2, 3, 1, 4, 3, 6, 5, 4, 3, 1]
[3, 1, 4, 2, 3, 1, 4, 3, 5, 4, 2, 3, 1, 4, 3, 6, 5, 4]
[4, 2, 3, 1, 5, 4, 2, 3, 1, 4, 6, 5, 4, 2, 3, 1, 4, 3]
[3, 4, 2, 3, 1, 4, 5, 4, 2, 3, 4, 6, 5, 4, 2, 3, 1, 4]
[3, 1, 4, 2, 3, 1, 4, 5, 4, 2, 3, 4, 6, 5, 4, 2, 3, 4]
[4, 2, 3, 1, 4, 3, 5, 4, 2, 3, 1, 4, 3, 6, 5, 4, 2, 3]
[4, 2, 3, 1, 4, 5, 4, 2, 3, 1, 4, 3, 6, 5, 4, 2, 3, 4]
[4, 2, 3, 4, 5, 4, 2, 3, 1, 4, 6, 5, 4, 2, 3, 1, 4, 3]
[3, 1, 4, 2, 3, 1, 5, 4, 2, 3, 4, 6, 5, 4, 2, 3, 1, 4]
[1, 3, 1, 4, 2, 3, 1, 4, 3, 5, 4, 2, 3, 1, 4, 3, 5, 4]
[4, 2, 3, 1, 4, 3, 5, 4, 2, 3, 1, 4, 3, 6, 5, 4, 2, 3, 4]
[4, 2, 3, 1, 4, 5, 4, 2, 3, 1, 4, 3, 6, 5, 4, 2, 3, 1, 4]
[3, 1, 4, 2, 3, 1, 4, 5, 4, 2, 3, 1, 4, 6, 5, 4, 2, 3, 4]
[1, 3, 1, 4, 2, 3, 1, 4, 3, 5, 4, 2, 3, 1, 4, 3, 6, 5, 4]
[1, 4, 2, 3, 1, 5, 4, 2, 3, 1, 4, 6, 5, 4, 2, 3, 1, 4, 3]
[4, 3, 1, 5, 4, 2, 3, 4, 5, 6, 5, 4, 2, 3, 1, 4, 3, 5, 4, 6]
[4, 2, 3, 1, 4, 5, 4, 2, 3, 1, 4, 3, 6, 5, 4, 2, 3, 1, 4, 3]
[3, 1, 4, 2, 3, 1, 4, 5, 4, 2, 3, 1, 4, 6, 5, 4, 2, 3, 1, 4]
[4, 3, 1, 5, 4, 2, 3, 1, 4, 3, 5, 6, 5, 4, 2, 3, 1, 4, 3, 5, 4]
[3, 4, 2, 3, 1, 5, 4, 2, 3, 4, 5, 6, 5, 4, 2, 3, 1, 4, 3, 5, 4]
[3, 4, 3, 1, 5, 4, 2, 3, 4, 5, 6, 5, 4, 2, 3, 1, 4, 3, 5, 4, 6]
[3, 1, 4, 2, 3, 1, 5, 4, 2, 3, 4, 5, 6, 5, 4, 2, 3, 1, 4, 3, 5, 4]
[3, 1, 4, 3, 1, 5, 4, 2, 3, 4, 5, 6, 5, 4, 2, 3, 1, 4, 3, 5, 4, 6]
[3, 4, 2, 3, 4, 5, 4, 2, 3, 1, 4, 3, 6, 5, 4, 2, 3, 1, 4, 3, 5, 4]
[3, 4, 2, 3, 1, 4, 3, 5, 4, 2, 3, 1, 4, 3, 5, 4, 6, 5, 4, 2, 3, 4]
[1, 4, 3, 1, 5, 4, 2, 3, 1, 4, 3, 5, 6, 5, 4, 2, 3, 1, 4, 3, 5, 4]
[3, 1, 4, 2, 3, 4, 5, 4, 2, 3, 1, 4, 3, 6, 5, 4, 2, 3, 1, 4, 3, 5, 4]
[3, 4, 2, 3, 1, 4, 3, 5, 4, 2, 3, 1, 4, 3, 5, 4, 6, 5, 4, 2, 3, 1, 4]
[3, 4, 2, 3, 1, 4, 5, 4, 2, 3, 1, 4, 3, 5, 6, 5, 4, 2, 3, 1, 4, 3, 5, 4]
[3, 1, 4, 2, 3, 1, 4, 5, 4, 2, 3, 1, 4, 3, 5, 6, 5, 4, 2, 3, 1, 4, 3, 5, 4]
[4, 2, 3, 1, 4, 3, 5, 4, 2, 3, 1, 4, 3, 5, 4, 6, 5, 4, 2, 3, 1, 4, 3, 5, 4, 2, 6, 5, 4]

Table 4: Conjugacy Classes Associated with e2 (continued).

Conjugacy Classes	Conjugacy Classes	Conjugacy Classes
[ ]	[4, 5, 4, 2, 3, 1]	[2, 5, 4, 2, 6, 5, 4, 3]
[5]	[4, 2, 5, 4, 2, 3]	[4, 5, 4, 2, 3, 1, 4, 5]
[4]	[2, 4, 2, 5, 4, 3]	[5, 4, 2, 3, 4, 6, 5, 4]
[2]	[2, 4, 5, 4, 3, 1]	[2, 4, 2, 3, 1, 5, 4, 2]
[4, 2]	[5, 4, 3, 1, 6, 5]	[1, 4, 2, 5, 4, 2, 6, 5]
[2, 5]	[2, 4, 2, 3, 1, 5]	[2, 4, 3, 5, 4, 2, 3, 4, 5]
[5, 4]	[1, 2, 5, 4, 6, 5]	[3, 1, 5, 4, 2, 3, 4, 6, 5]
[2, 3]	[5, 4, 2, 3, 6, 5]	[3, 1, 5, 4, 2, 3, 1, 4, 5]
[3, 1]	[1, 5, 4, 2, 6, 5]	[4, 3, 1, 5, 4, 2, 3, 4, 5]
[1, 4]	[2, 4, 5, 4, 2, 3]	[5, 4, 3, 1, 6, 5, 4, 2, 3]
[3, 5]	[2, 5, 4, 3, 6, 5]	[5, 4, 2, 3, 1, 4, 3, 6, 5]
[5, 4, 2]	[2, 4, 3, 1, 5, 4, 2]	[2, 3, 1, 4, 3, 1, 5, 4, 2]
[4, 2, 5]	[4, 2, 5, 4, 2, 6, 5]	[2, 4, 3, 1, 5, 4, 2, 3, 4]
[2, 4, 5]	[5, 4, 2, 3, 1, 4, 5]	[4, 2, 5, 4, 2, 3, 1, 6, 5]
[1, 4, 2]	[5, 4, 2, 3, 4, 6, 5]	[5, 4, 2, 3, 1, 4, 3, 5, 4]
[4, 2, 3]	[3, 1, 5, 4, 2, 3, 4]	[2, 4, 5, 4, 2, 3, 4, 6, 5]
[2, 3, 1]	[3, 1, 4, 2, 3, 4, 5]	[5, 4, 2, 3, 4, 6, 5, 4, 2]
[3, 1, 5]	[2, 5, 4, 2, 3, 4, 5]	[2, 5, 4, 2, 6, 5, 4, 3, 1]
[4, 3, 1]	[5, 4, 2, 3, 1, 4, 3]	[4, 2, 3, 1, 4, 3, 5, 4, 2]
[5, 4, 3]	[2, 4, 2, 5, 4, 3, 1]	[2, 5, 4, 3, 1, 6, 5, 4, 3]
[1, 5, 4]	[2, 4, 2, 5, 4, 2, 3]	[3, 1, 4, 2, 3, 4, 5, 4, 2]
[2, 3, 5]	[5, 4, 2, 3, 1, 6, 5]	[5, 4, 2, 3, 1, 6, 5, 4, 3]
[4, 5, 4, 2]	[2, 4, 5, 4, 2, 3, 1]	[2, 3, 1, 4, 3, 5, 4, 6, 5]
[5, 4, 6, 5]	[2, 5, 4, 3, 1, 6, 5]	[2, 5, 4, 3, 1, 6, 5, 4, 2]
[2, 4, 2, 5]	[5, 4, 3, 6, 5, 4, 2]	[2, 4, 3, 1, 5, 4, 2, 6, 5]
[4, 2, 3, 1]	[4, 2, 5, 4, 3, 6, 5]	[5, 4, 2, 3, 6, 5, 4, 2, 3]
[1, 5, 4, 2]	[2, 4, 3, 5, 4, 2, 3]	[2, 4, 2, 3, 5, 4, 3, 6, 5]
[4, 2, 3, 5]	[5, 4, 2, 6, 5, 4, 3]	[2, 4, 2, 3, 5, 4, 2, 6, 5]
[5, 4, 3, 1]	[2, 4, 3, 5, 4, 6, 5]	[4, 2, 5, 4, 2, 6, 5, 4, 3]
[2, 3, 1, 5]	[2, 5, 4, 2, 3, 6, 5]	[4, 2, 5, 4, 2, 3, 4, 6, 5]
[1, 4, 2, 5]	[4, 5, 4, 2, 3, 4, 5]	[5, 4, 2, 3, 1, 4, 6, 5, 4]
[1, 2, 4, 5]	[1, 2, 5, 4, 2, 6, 5]	[4, 2, 5, 4, 3, 6, 5, 4, 2]
[5, 4, 2, 3]	[2, 4, 2, 3, 5, 4, 2]	[5, 4, 2, 3, 4, 6, 5, 4, 3]
[2, 4, 3, 5]	[1, 2, 4, 2, 5, 4, 2]	[5, 4, 2, 3, 1, 4, 3, 5, 4, 2]
[2, 4, 5, 4, 2]	[3, 1, 5, 4, 2, 3, 4, 5]	[2, 4, 3, 1, 5, 4, 2, 3, 4, 5]
[5, 4, 2, 6, 5]	[3, 1, 5, 4, 2, 3, 1, 4]	[2, 5, 4, 3, 1, 6, 5, 4, 2, 3]
[2, 5, 4, 6, 5]	[3, 1, 4, 2, 3, 1, 4, 5]	[3, 1, 5, 4, 2, 3, 1, 4, 6, 5]
[4, 5, 4, 2, 3]	[2, 5, 4, 2, 3, 4, 6, 5]	[3, 1, 4, 3, 5, 4, 2, 3, 4, 5]
[2, 4, 5, 4, 3]	[5, 4, 2, 3, 1, 4, 6, 5]	[5, 4, 2, 3, 1, 6, 5, 4, 2, 3]
[1, 4, 5, 4, 2]	[5, 4, 2, 3, 1, 4, 3, 5]	[4, 3, 1, 5, 4, 2, 3, 1, 4, 5]
[5, 4, 2, 3, 1]	[2, 4, 3, 1, 5, 4, 2, 3]	[4, 3, 1, 5, 4, 2, 3, 4, 6, 5]
[4, 2, 3, 1, 5]	[5, 4, 2, 6, 5, 4, 3, 1]	[2, 3, 1, 4, 2, 3, 4, 5, 4, 2]
[2, 4, 3, 1, 5]	[4, 2, 5, 4, 3, 1, 6, 5]	[2, 4, 3, 1, 5, 4, 2, 3, 1, 4]
[1, 2, 4, 2, 5]	[2, 4, 2, 5, 4, 2, 3, 1]	[2, 4, 3, 5, 4, 2, 3, 4, 6, 5]
[5, 4, 3, 6, 5]	[4, 2, 5, 4, 2, 3, 4, 5]	[4, 2, 5, 4, 2, 6, 5, 4, 3, 1]
[2, 5, 4, 2, 3]	[2, 4, 2, 3, 5, 4, 2, 3]	[2, 4, 5, 4, 2, 3, 1, 4, 6, 5]
[1, 5, 4, 6, 5]	[2, 5, 4, 2, 3, 1, 6, 5]	[2, 4, 3, 5, 4, 2, 3, 1, 4, 5]
[2, 4, 2, 3, 5]	[5, 4, 3, 1, 6, 5, 4, 3]	[2, 5, 4, 2, 3, 4, 6, 5, 4, 2]
[5, 4, 2, 3, 4, 5]	[2, 3, 1, 4, 3, 5, 4, 2]	[5, 4, 2, 3, 1, 4, 6, 5, 4, 2]
[2, 5, 4, 2, 6, 5]	[5, 4, 3, 1, 6, 5, 4, 2]	[2, 5, 4, 2, 3, 1, 6, 5, 4, 3]
[1, 2, 4, 5, 4, 2]	[2, 4, 3, 1, 5, 4, 6, 5]	[3, 1, 4, 2, 3, 1, 4, 5, 4, 2]
[2, 4, 3, 5, 4, 2]	[2, 5, 4, 3, 6, 5, 4, 2]	[5, 4, 2, 3, 1, 4, 3, 6, 5, 4]
[2, 4, 2, 5, 4, 2]	[2, 4, 3, 5, 4, 2, 6, 5]	[5, 4, 2, 3, 1, 4, 6, 5, 4, 3]
[2, 5, 4, 2, 3, 1]	[4, 2, 5, 4, 2, 3, 6, 5]	[4, 3, 1, 5, 4, 3, 6, 5, 4, 2]

Table 5: Conjugacy Classes Associated with e3.

Conjugacy Classes	Conjugacy Classes
[2, 4, 2, 3, 5, 4, 3, 1, 6, 5]	[4, 2, 3, 1, 4, 3, 5, 4, 2, 3, 4, 5]
[2, 4, 3, 1, 5, 4, 3, 6, 5, 4]	[4, 2, 5, 4, 2, 3, 4, 6, 5, 4, 2, 3]
[2, 3, 1, 4, 3, 5, 4, 2, 6, 5]	[4, 2, 3, 1, 5, 4, 3, 1, 6, 5, 4, 2]
[2, 4, 3, 5, 4, 3, 6, 5, 4, 2]	[5, 4, 2, 3, 1, 6, 5, 4, 2, 3, 4, 5]
[2, 4, 2, 3, 1, 5, 4, 2, 6, 5]	[2, 4, 5, 4, 2, 3, 1, 4, 6, 5, 4, 2]
[2, 4, 2, 3, 5, 4, 2, 3, 6, 5]	[4, 2, 3, 1, 5, 4, 2, 3, 1, 4, 6, 5]
[2, 4, 2, 3, 5, 4, 2, 3, 4, 5]	[4, 3, 1, 5, 4, 2, 3, 1, 4, 3, 6, 5]
[2, 4, 2, 5, 4, 2, 3, 4, 6, 5]	[2, 4, 2, 5, 4, 2, 3, 4, 6, 5, 4, 2]
[5, 4, 2, 3, 4, 6, 5, 4, 2, 3]	[2, 4, 2, 3, 1, 5, 4, 2, 3, 1, 4, 5]
[4, 2, 5, 4, 2, 3, 1, 4, 6, 5]	[2, 5, 4, 2, 3, 1, 6, 5, 4, 2, 3, 4]
[4, 2, 5, 4, 3, 1, 6, 5, 4, 2]	[2, 5, 4, 3, 1, 6, 5, 4, 2, 3, 4, 5]
[2, 5, 4, 2, 3, 6, 5, 4, 2, 3]	[2, 4, 2, 3, 1, 5, 4, 2, 3, 4, 6, 5]
[4, 5, 4, 2, 3, 4, 6, 5, 4, 3]	[2, 4, 3, 1, 5, 4, 2, 3, 1, 4, 6, 5]
[4, 5, 4, 2, 3, 4, 6, 5, 4, 2, 3]	[5, 4, 2, 3, 1, 4, 3, 5, 4, 2, 6, 5]
[2, 4, 5, 4, 2, 3, 4, 6, 5, 4, 3]	[2, 5, 4, 2, 3, 1, 4, 3, 6, 5, 4, 2]
[2, 4, 5, 4, 2, 3, 4, 6, 5, 4, 2]	[3, 1, 5, 4, 2, 3, 1, 4, 3, 5, 4, 2]
[2, 5, 4, 2, 3, 1, 6, 5, 4, 2, 3]	[2, 4, 3, 5, 4, 2, 3, 1, 4, 3, 6, 5]
[4, 2, 3, 1, 5, 4, 2, 3, 1, 4, 5]	[3, 1, 5, 4, 2, 3, 1, 4, 6, 5, 4, 2]
[4, 3, 1, 5, 4, 3, 1, 6, 5, 4, 2]	[2, 4, 5, 4, 2, 3, 1, 4, 3, 6, 5, 4]
[5, 4, 3, 1, 6, 5, 4, 2, 3, 4, 5]	[2, 3, 1, 5, 4, 2, 3, 4, 6, 5, 4, 2]
[4, 2, 3, 1, 5, 4, 2, 3, 4, 6, 5]	[5, 4, 2, 3, 1, 4, 3, 6, 5, 4, 2, 3]
[4, 3, 1, 5, 4, 2, 3, 1, 4, 6, 5]	[2, 5, 4, 2, 3, 1, 4, 3, 6, 5, 4, 3]
[2, 4, 2, 3, 1, 5, 4, 2, 3, 4, 5]	[2, 4, 5, 4, 2, 3, 1, 4, 6, 5, 4, 3]
[2, 4, 3, 1, 5, 4, 2, 3, 1, 4, 3]	[2, 4, 2, 3, 1, 5, 4, 3, 6, 5, 4, 2]
[2, 4, 3, 1, 5, 4, 2, 3, 1, 4, 5]	[2, 4, 3, 1, 5, 4, 3, 1, 6, 5, 4, 2]
[2, 5, 4, 3, 1, 6, 5, 4, 2, 3, 4]	[5, 4, 2, 3, 1, 4, 3, 5, 4, 6, 5, 4]
[2, 4, 3, 1, 5, 4, 2, 3, 4, 6, 5]	[4, 2, 3, 1, 4, 3, 5, 4, 2, 3, 6, 5]
[2, 5, 4, 2, 3, 1, 4, 3, 5, 4, 2]	[2, 4, 2, 3, 5, 4, 3, 1, 6, 5, 4, 2]
[5, 4, 2, 3, 1, 4, 3, 5, 4, 6, 5]	[2, 4, 2, 3, 1, 5, 4, 2, 3, 1, 6, 5]
[5, 4, 2, 3, 1, 4, 3, 6, 5, 4, 2]	[3, 1, 4, 5, 4, 2, 3, 4, 6, 5, 4, 2]
[2, 5, 4, 2, 3, 1, 4, 6, 5, 4, 2]	[2, 5, 4, 2, 3, 1, 4, 6, 5, 4, 2, 3]
[2, 4, 3, 5, 4, 2, 3, 1, 4, 6, 5]	[2, 3, 1, 4, 3, 5, 4, 2, 3, 4, 6, 5]
[4, 2, 5, 4, 2, 3, 1, 6, 5, 4, 3]	[3, 5, 4, 2, 3, 4, 6, 5, 4, 2, 3, 4]
[3, 1, 5, 4, 2, 3, 4, 6, 5, 4, 2]	[2, 4, 5, 4, 2, 3, 4, 6, 5, 4, 2, 3]
[2, 4, 5, 4, 2, 3, 1, 4, 3, 6, 5]	[2, 4, 2, 5, 4, 2, 3, 4, 6, 5, 4, 3]
[2, 3, 1, 4, 3, 5, 4, 2, 3, 4, 5]	[2, 3, 4, 2, 3, 4, 5, 4, 2, 3, 4, 5]
[4, 5, 4, 2, 3, 1, 4, 3, 5, 4, 2]	[5, 4, 2, 3, 4, 5, 6, 5, 4, 2, 3, 4, 5]
[5, 4, 2, 3, 1, 4, 3, 6, 5, 4, 3]	[4, 5, 4, 2, 3, 1, 4, 3, 6, 5, 4, 2, 3]
[2, 5, 4, 2, 3, 1, 4, 6, 5, 4, 3]	[4, 3, 1, 5, 4, 2, 3, 1, 4, 3, 5, 4, 2]
[4, 2, 3, 1, 5, 4, 3, 6, 5, 4, 2]	[2, 3, 1, 4, 3, 5, 4, 2, 3, 4, 6, 5, 4]
[2, 5, 4, 2, 3, 1, 4, 3, 6, 5, 4]	[4, 5, 4, 2, 3, 1, 6, 5, 4, 2, 3, 4, 5]
[2, 4, 3, 1, 5, 4, 3, 1, 6, 5, 4]	[5, 4, 2, 3, 1, 4, 3, 5, 4, 6, 5, 4, 3]
[2, 4, 3, 1, 5, 4, 3, 6, 5, 4, 2]	[4, 2, 5, 4, 2, 3, 1, 4, 6, 5, 4, 2, 3]
[4, 2, 3, 1, 4, 3, 5, 4, 2, 6, 5]	[2, 4, 3, 1, 5, 4, 2, 3, 4, 6, 5, 4, 3]
[2, 4, 2, 3, 5, 4, 3, 6, 5, 4, 2]	[2, 4, 2, 3, 1, 5, 4, 2, 3, 1, 4, 3, 5]
[2, 3, 1, 4, 2, 3, 5, 4, 2, 6, 5]	[4, 2, 5, 4, 3, 1, 6, 5, 4, 2, 3, 4, 5]
[2, 4, 2, 3, 1, 5, 4, 2, 3, 6, 5]	[5, 4, 2, 3, 1, 6, 5, 4, 2, 3, 1, 4, 5]
[2, 4, 3, 5, 4, 3, 1, 6, 5, 4, 2]	[2, 4, 2, 5, 4, 2, 3, 1, 4, 6, 5, 4, 2]
[2, 4, 2, 3, 5, 4, 2, 3, 4, 6, 5]	[2, 4, 5, 4, 2, 3, 1, 4, 6, 5, 4, 2, 3]
[2, 4, 2, 5, 4, 2, 3, 1, 4, 6, 5]	[5, 4, 2, 3, 1, 4, 3, 5, 4, 6, 5, 4, 2]
[4, 2, 5, 4, 2, 3, 4, 6, 5, 4, 2]	[4, 2, 3, 1, 5, 4, 2, 3, 1, 4, 3, 6, 5]
[5, 4, 2, 3, 1, 4, 6, 5, 4, 2, 3]	[2, 5, 4, 2, 3, 1, 6, 5, 4, 2, 3, 1, 4]
[2, 4, 3, 5, 4, 2, 3, 4, 6, 5, 4, 3]	[2, 4, 3, 1, 5, 4, 2, 3, 4, 6, 5, 4, 2]
[5, 4, 2, 3, 1, 4, 6, 5, 4, 2, 3, 4]	[2, 4, 2, 3, 1, 5, 4, 2, 3, 1, 4, 6, 5]
[2, 4, 5, 4, 2, 3, 4, 6, 5, 4, 3, 1]	[2, 4, 3, 1, 5, 4, 2, 3, 1, 4, 3, 6, 5]

Conjugacy Classes	Conjugacy Classes
[2, 4, 5, 4, 3, 1, 6, 5, 4, 2, 3, 4, 5]	[2, 4, 3, 1, 5, 4, 2, 3, 4, 6, 5, 4, 2, 3]
[3, 1, 5, 4, 2, 3, 4, 6, 5, 4, 2, 3, 4]	[2, 4, 5, 4, 2, 3, 1, 4, 3, 5, 4, 2, 6, 5]
[3, 1, 4, 2, 3, 4, 5, 4, 2, 3, 4, 6, 5]	[2, 4, 2, 5, 4, 2, 3, 1, 4, 3, 6, 5, 4, 2]
[2, 3, 1, 4, 2, 3, 4, 5, 4, 2, 3, 4, 5]	[4, 3, 1, 5, 4, 2, 3, 1, 4, 3, 6, 5, 4, 2]
[3, 1, 5, 4, 2, 3, 1, 4, 3, 6, 5, 4, 2]	[4, 5, 4, 2, 3, 1, 4, 3, 6, 5, 4, 2, 3, 1]
[2, 4, 5, 4, 2, 3, 1, 4, 3, 6, 5, 4, 2]	[2, 4, 2, 3, 1, 5, 4, 3, 1, 6, 5, 4, 2, 3]
[2, 4, 2, 3, 5, 4, 2, 3, 1, 4, 3, 6, 5]	[5, 4, 2, 3, 1, 4, 3, 5, 4, 6, 5, 4, 2, 3]
[2, 4, 5, 4, 2, 3, 1, 4, 3, 5, 4, 6, 5]	[4, 5, 4, 2, 3, 1, 4, 3, 5, 4, 6, 5, 4, 3]
[4, 2, 3, 1, 5, 4, 2, 3, 4, 6, 5, 4, 2]	[2, 5, 4, 2, 3, 1, 4, 3, 5, 4, 6, 5, 4, 3]
[4, 2, 5, 4, 2, 3, 1, 4, 3, 6, 5, 4, 2]	[2, 4, 2, 3, 1, 4, 3, 5, 4, 3, 6, 5, 4, 2]
[2, 4, 5, 4, 2, 3, 1, 4, 6, 5, 4, 3, 1]	[2, 3, 1, 4, 3, 5, 4, 2, 3, 1, 4, 6, 5, 4]
[2, 4, 2, 3, 1, 5, 4, 3, 1, 6, 5, 4, 2]	[4, 5, 4, 2, 3, 4, 5, 6, 5, 4, 2, 3, 4, 5]
[5, 4, 2, 3, 1, 4, 3, 5, 4, 2, 6, 5, 4]	[4, 2, 5, 4, 2, 3, 1, 4, 6, 5, 4, 2, 3, 1]
[2, 4, 2, 3, 5, 4, 3, 1, 6, 5, 4, 2, 3]	[2, 4, 3, 1, 5, 4, 2, 3, 1, 4, 6, 5, 4, 3]
[4, 2, 3, 1, 4, 3, 5, 4, 3, 6, 5, 4, 2]	[2, 4, 2, 5, 4, 2, 3, 4, 6, 5, 4, 2, 3, 1]
[2, 4, 2, 3, 1, 4, 3, 5, 4, 2, 3, 6, 5]	[3, 5, 4, 2, 3, 1, 4, 6, 5, 4, 2, 3, 4, 5]
[5, 4, 2, 3, 1, 4, 6, 5, 4, 2, 3, 1, 4]	[2, 3, 1, 4, 3, 5, 4, 2, 3, 4, 6, 5, 4, 2]
[4, 2, 5, 4, 2, 3, 4, 6, 5, 4, 2, 3, 1]	[2, 4, 2, 3, 5, 4, 2, 3, 4, 6, 5, 4, 2, 3]
[2, 4, 3, 5, 4, 2, 3, 1, 4, 6, 5, 4, 3]	[2, 4, 2, 3, 1, 5, 4, 2, 3, 4, 6, 5, 4, 3]
[2, 3, 1, 4, 5, 4, 2, 3, 4, 6, 5, 4, 2]	[3, 5, 4, 2, 3, 1, 4, 3, 6, 5, 4, 2, 3, 4]
[3, 5, 4, 2, 3, 1, 4, 6, 5, 4, 2, 3, 4]	[2, 3, 5, 4, 2, 3, 1, 4, 6, 5, 4, 2, 3, 4]
[2, 4, 3, 5, 4, 2, 3, 4, 6, 5, 4, 2, 3]	[3, 4, 2, 3, 1, 4, 3, 5, 4, 2, 3, 4, 6, 5]
[2, 4, 2, 5, 4, 2, 3, 4, 6, 5, 4, 2, 3]	[2, 4, 3, 5, 4, 2, 3, 1, 4, 3, 5, 4, 2, 6, 5]
[2, 3, 4, 2, 3, 1, 4, 5, 4, 2, 3, 4, 5]	[5, 4, 2, 3, 1, 4, 3, 5, 6, 5, 4, 2, 3, 4, 5]
[3, 4, 3, 5, 4, 2, 3, 1, 4, 3, 5, 4, 2]	[5, 4, 2, 3, 1, 4, 5, 6, 5, 4, 2, 3, 1, 4, 5]
[2, 4, 2, 5, 4, 2, 3, 4, 6, 5, 4, 3, 1]	[2, 5, 4, 2, 3, 1, 4, 5, 6, 5, 4, 2, 3, 4, 5]
[2, 4, 2, 3, 5, 4, 2, 3, 4, 6, 5, 4, 3]	[2, 5, 4, 2, 3, 1, 4, 3, 6, 5, 4, 2, 3, 4, 5]
[4, 2, 3, 5, 4, 2, 3, 4, 6, 5, 4, 2, 3]	[2, 3, 4, 3, 1, 5, 4, 2, 3, 1, 4, 3, 5, 4, 2]
[5, 4, 2, 3, 1, 4, 3, 5, 4, 2, 6, 5, 4, 3]	[2, 3, 5, 4, 2, 3, 4, 5, 6, 5, 4, 2, 3, 4, 5]
[2, 4, 3, 5, 4, 2, 3, 1, 4, 3, 5, 4, 6, 5]	[2, 3, 1, 4, 3, 5, 4, 2, 3, 1, 4, 6, 5, 4, 2]
[5, 4, 2, 3, 4, 5, 6, 5, 4, 2, 3, 1, 4, 5]	[4, 2, 5, 4, 2, 3, 1, 6, 5, 4, 2, 3, 1, 4, 5]
[5, 4, 2, 3, 1, 4, 3, 6, 5, 4, 2, 3, 4, 5]	[2, 5, 4, 2, 3, 1, 4, 3, 5, 4, 6, 5, 4, 2, 3]
[5, 4, 2, 3, 1, 4, 5, 6, 5, 4, 2, 3, 4, 5]	[2, 4, 3, 5, 4, 2, 3, 1, 4, 6, 5, 4, 2, 3, 4]
[4, 2, 5, 4, 2, 3, 1, 6, 5, 4, 2, 3, 4, 5]	[2, 5, 4, 2, 3, 4, 5, 6, 5, 4, 2, 3, 1, 4, 5]
[2, 5, 4, 2, 3, 4, 5, 6, 5, 4, 2, 3, 4, 5]	[2, 4, 2, 5, 4, 2, 3, 1, 4, 6, 5, 4, 2, 3, 1]
[4, 2, 5, 4, 2, 3, 1, 4, 3, 6, 5, 4, 2, 3]	[2, 4, 2, 5, 4, 2, 3, 1, 6, 5, 4, 2, 3, 4, 5]
[2, 4, 3, 1, 5, 4, 2, 3, 1, 4, 3, 5, 4, 2]	[2, 4, 3, 1, 5, 4, 2, 3, 1, 4, 6, 5, 4, 2, 3]
[2, 3, 1, 4, 3, 1, 5, 4, 2, 3, 4, 6, 5, 4]	[2, 4, 5, 4, 2, 3, 1, 6, 5, 4, 2, 3, 1, 4, 5]
[2, 4, 2, 5, 4, 2, 3, 1, 4, 6, 5, 4, 2, 3]	[3, 1, 5, 4, 2, 3, 4, 5, 6, 5, 4, 2, 3, 4, 5]
[5, 4, 2, 3, 1, 4, 3, 5, 4, 2, 6, 5, 4, 2]	[2, 4, 5, 4, 2, 3, 1, 4, 3, 6, 5, 4, 2, 3, 1]
[2, 4, 3, 5, 4, 2, 3, 1, 4, 6, 5, 4, 2, 3]	[3, 1, 5, 4, 2, 3, 1, 4, 3, 6, 5, 4, 2, 3, 4]
[4, 5, 4, 2, 3, 1, 6, 5, 4, 2, 3, 1, 4, 5]	[2, 4, 3, 5, 4, 2, 3, 1, 4, 3, 6, 5, 4, 2, 3]
[2, 4, 5, 4, 2, 3, 1, 4, 6, 5, 4, 2, 3, 1]	[3, 1, 4, 2, 3, 1, 4, 3, 5, 4, 2, 3, 4, 6, 5]
[2, 4, 2, 5, 4, 3, 1, 6, 5, 4, 2, 3, 4, 5]	[3, 1, 5, 4, 2, 3, 1, 4, 6, 5, 4, 2, 3, 4, 5]
[2, 5, 4, 2, 3, 1, 6, 5, 4, 2, 3, 1, 4, 5]	[3, 1, 4, 3, 5, 4, 2, 3, 1, 4, 3, 5, 4, 6, 5]
[2, 4, 2, 3, 1, 5, 4, 2, 3, 4, 6, 5, 4, 2]	[3, 5, 4, 2, 3, 1, 4, 3, 6, 5, 4, 2, 3, 4, 5]
[2, 4, 2, 3, 1, 5, 4, 2, 3, 1, 4, 3, 6, 5]	[4, 3, 5, 4, 2, 3, 4, 5, 6, 5, 4, 2, 3, 4, 5]
[2, 4, 5, 4, 2, 3, 1, 6, 5, 4, 2, 3, 4, 5]	[2, 3, 1, 5, 4, 2, 3, 1, 4, 6, 5, 4, 2, 3, 4]
[3, 1, 4, 3, 5, 4, 2, 3, 1, 4, 3, 5, 4, 2]	[2, 3, 1, 4, 2, 3, 1, 4, 5, 4, 2, 3, 4, 6, 5]
[3, 1, 5, 4, 2, 3, 1, 4, 6, 5, 4, 2, 3, 4]	[2, 3, 4, 3, 5, 4, 2, 3, 1, 4, 3, 5, 4, 6, 5]
[3, 1, 4, 2, 3, 1, 4, 5, 4, 2, 3, 4, 6, 5]	[2, 4, 3, 1, 5, 4, 2, 3, 4, 6, 5, 4, 2, 3, 4]
[2, 3, 1, 5, 4, 2, 3, 4, 6, 5, 4, 2, 3, 4]	[2, 4, 2, 3, 5, 4, 2, 3, 1, 4, 3, 5, 4, 6, 5]
[2, 3, 1, 4, 2, 3, 4, 5, 4, 2, 3, 4, 6, 5]	[4, 5, 4, 2, 3, 4, 5, 6, 5, 4, 2, 3, 1, 4, 5]
[2, 4, 5, 4, 2, 3, 1, 4, 3, 6, 5, 4, 2, 3]	[5, 4, 2, 3, 1, 4, 3, 6, 5, 4, 2, 3, 1, 4, 5]
[2, 3, 1, 4, 2, 3, 1, 4, 5, 4, 2, 3, 4, 5]	[2, 4, 5, 4, 2, 3, 1, 4, 3, 5, 4, 6, 5, 4, 2]

Table 5: Conjugacy Classes Associated with *e*3 (continued).   **Table 5:** Conjugacy Classes Associated with *e*3 (continued).

Conjugacy Classes	Conjugacy Classes
[2, 4, 2, 3, 1, 5, 4, 2, 3, 1, 4, 3, 5, 4, 2]	[2, 4, 2, 5, 4, 2, 3, 1, 4, 3, 6, 5, 4, 2, 3, 1]
[2, 4, 3, 1, 5, 4, 2, 3, 1, 4, 3, 6, 5, 4, 2]	[5, 4, 2, 3, 1, 4, 3, 5, 4, 2, 6, 5, 4, 2, 3, 4]
[2, 4, 3, 1, 5, 4, 3, 1, 6, 5, 4, 2, 3, 4, 5]	[2, 4, 2, 3, 1, 4, 3, 5, 4, 3, 1, 6, 5, 4, 2, 3]
[4, 2, 5, 4, 2, 3, 1, 4, 3, 6, 5, 4, 2, 3, 1]	[2, 4, 2, 3, 5, 4, 2, 3, 1, 4, 3, 6, 5, 4, 2, 3]
[2, 4, 2, 5, 4, 2, 3, 1, 4, 3, 6, 5, 4, 2, 3]	[4, 2, 5, 4, 2, 3, 1, 4, 5, 6, 5, 4, 2, 3, 4, 5]
[5, 4, 2, 3, 1, 4, 3, 5, 4, 2, 6, 5, 4, 2, 3]	[5, 4, 2, 3, 1, 4, 3, 5, 4, 6, 5, 4, 2, 3, 4, 5]
[4, 2, 3, 1, 4, 3, 5, 4, 3, 1, 6, 5, 4, 2, 3]	[2, 5, 4, 2, 3, 1, 4, 5, 6, 5, 4, 2, 3, 1, 4, 5]
[4, 5, 4, 2, 3, 1, 4, 3, 5, 4, 2, 6, 5, 4, 3]	[2, 4, 3, 1, 5, 4, 2, 3, 4, 6, 5, 4, 2, 3, 1, 4]
[5, 4, 2, 3, 1, 4, 3, 5, 4, 6, 5, 4, 2, 3, 4]	[3, 1, 4, 2, 3, 4, 5, 4, 2, 3, 1, 4, 6, 5, 4, 2]
[2, 5, 4, 2, 3, 1, 4, 3, 5, 4, 2, 6, 5, 4, 3]	[2, 3, 1, 4, 3, 5, 4, 3, 1, 6, 5, 4, 2, 3, 4, 5]
[4, 2, 5, 4, 2, 3, 4, 5, 6, 5, 4, 2, 3, 4, 5]	[3, 1, 4, 2, 3, 1, 4, 5, 4, 2, 3, 4, 6, 5, 4, 2]
[4, 5, 4, 2, 3, 1, 4, 5, 6, 5, 4, 2, 3, 4, 5]	[2, 4, 2, 3, 5, 4, 2, 3, 1, 6, 5, 4, 2, 3, 4, 5]
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[2, 3, 1, 4, 3, 1, 5, 4, 2, 3, 4, 6, 5, 4, 2]	[3, 1, 4, 2, 3, 4, 5, 4, 2, 3, 1, 4, 3, 6, 5, 4, 2]
[3, 1, 4, 2, 3, 4, 5, 4, 2, 3, 4, 6, 5, 4, 2]	[5, 4, 2, 3, 1, 4, 3, 6, 5, 4, 2, 3, 1, 4, 3, 5, 4]
[2, 4, 3, 5, 4, 2, 3, 1, 6, 5, 4, 2, 3, 4, 5]	[4, 2, 3, 1, 4, 3, 5, 4, 2, 3, 1, 4, 3, 5, 4, 6, 5]
[4, 2, 3, 1, 4, 5, 4, 2, 3, 4, 6, 5, 4, 2, 3]	[2, 4, 3, 1, 5, 4, 2, 3, 4, 6, 5, 4, 2, 3, 1, 4, 3]
[4, 2, 3, 5, 4, 2, 3, 1, 6, 5, 4, 2, 3, 4, 5]	[4, 2, 3, 1, 5, 4, 2, 3, 4, 5, 6, 5, 4, 2, 3, 4, 5]
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[2, 5, 4, 2, 3, 1, 4, 3, 5, 6, 5, 4, 2, 3, 4, 5]	[5, 4, 2, 3, 1, 4, 3, 5, 4, 2, 6, 5, 4, 2, 3, 4, 5]
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[4, 2, 5, 4, 2, 3, 1, 4, 3, 5, 4, 6, 5, 4, 2, 3]	[3, 1, 4, 2, 5, 4, 2, 3, 4, 5, 6, 5, 4, 2, 3, 4, 5]
[3, 5, 4, 2, 3, 1, 4, 3, 5, 6, 5, 4, 2, 3, 4, 5]	[5, 4, 2, 3, 1, 4, 3, 5, 4, 6, 5, 4, 2, 3, 1, 4, 5]
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[2, 3, 1, 5, 4, 2, 3, 4, 5, 6, 5, 4, 2, 3, 4, 5]	[2, 4, 3, 1, 5, 4, 2, 3, 4, 5, 6, 5, 4, 2, 3, 4, 5]
[4, 2, 5, 4, 2, 3, 4, 5, 6, 5, 4, 2, 3, 1, 4, 5]	[2, 3, 1, 4, 3, 5, 4, 2, 3, 1, 4, 3, 5, 4, 2, 6, 5]
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[2, 4, 3, 1, 5, 4, 2, 3, 1, 4, 6, 5, 4, 2, 3, 4]	[4, 2, 3, 5, 4, 2, 3, 1, 4, 5, 6, 5, 4, 2, 3, 4, 5]
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[2, 3, 1, 4, 3, 5, 4, 2, 3, 1, 4, 3, 5, 4, 6, 5]	[2, 4, 3, 1, 5, 4, 2, 3, 1, 4, 3, 6, 5, 4, 2, 3, 1]
[4, 3, 1, 5, 4, 2, 3, 4, 5, 6, 5, 4, 2, 3, 4, 5]	[2, 3, 1, 5, 4, 2, 3, 1, 4, 5, 6, 5, 4, 2, 3, 4, 5]
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[4, 3, 5, 4, 2, 3, 1, 4, 5, 6, 5, 4, 2, 3, 4, 5]	[2, 4, 5, 4, 2, 3, 1, 4, 3, 5, 6, 5, 4, 2, 3, 4, 5]
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[2, 4, 3, 1, 5, 4, 2, 3, 1, 4, 3, 6, 5, 4, 2, 3]	[2, 4, 2, 5, 4, 2, 3, 1, 4, 3, 5, 4, 6, 5, 4, 2, 3]
[2, 3, 1, 5, 4, 2, 3, 1, 4, 3, 6, 5, 4, 2, 3, 4]	[2, 4, 2, 3, 5, 4, 2, 3, 1, 4, 3, 6, 5, 4, 2, 3, 1]
[2, 3, 1, 4, 3, 1, 5, 4, 2, 3, 1, 4, 3, 5, 4, 2]	[2, 5, 4, 2, 3, 1, 4, 3, 5, 4, 6, 5, 4, 2, 3, 4, 5]
[2, 3, 1, 4, 2, 3, 1, 4, 3, 5, 4, 2, 3, 4, 6, 5]	[2, 5, 4, 2, 3, 1, 4, 3, 5, 6, 5, 4, 2, 3, 1, 4, 5]
[2, 3, 1, 5, 4, 2, 3, 1, 4, 6, 5, 4, 2, 3, 4, 5]	[2, 3, 1, 4, 3, 1, 5, 4, 3, 1, 6, 5, 4, 2, 3, 4, 5]
[2, 4, 3, 1, 5, 4, 2, 3, 1, 6, 5, 4, 2, 3, 4, 5]	[2, 4, 5, 4, 2, 3, 1, 4, 6, 5, 4, 2, 3, 1, 4, 3, 5]
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[2, 4, 5, 4, 2, 3, 1, 4, 3, 6, 5, 4, 2, 3, 4, 5]	[3, 1, 4, 2, 3, 1, 4, 5, 4, 2, 3, 1, 4, 3, 6, 5, 4, 2]

Conjugacy Classes
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[2, 4, 3, 5, 4, 2, 3, 1, 4, 3, 5, 4, 2, 6, 5, 4, 2, 3]
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[4, 2, 5, 4, 2, 3, 1, 4, 3, 5, 6, 5, 4, 2, 3, 1, 4, 3, 5]
[2, 5, 4, 2, 3, 1, 4, 5, 6, 5, 4, 2, 3, 1, 4, 3, 5, 4, 2]

Table 5: Conjugacy Classes Associated with $e3$ (continued).   **Table 5:** Conjugacy Classes Associated with $e3$ (continued).

Conjugacy Classes
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[2, 4, 3, 1, 5, 4, 2, 3, 1, 4, 3, 5, 6, 5, 4, 2, 3, 1, 4, 3, 5]
[2, 4, 2, 3, 1, 5, 4, 2, 3, 1, 4, 5, 6, 5, 4, 2, 3, 1, 4, 3, 5]

Conjugacy Classes
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[5, 4, 2, 3, 1, 4, 3, 5, 4, 6, 5, 4, 2, 3, 1, 4, 3, 5, 4, 6, 5]
[4, 5, 4, 2, 3, 1, 4, 3, 5, 4, 6, 5, 4, 2, 3, 1, 4, 3, 5, 4, 2]
[2, 4, 5, 4, 2, 3, 1, 4, 3, 5, 6, 5, 4, 2, 3, 1, 4, 3, 5, 4, 2]
[2, 4, 2, 3, 1, 4, 3, 5, 4, 2, 3, 1, 4, 5, 6, 5, 4, 2, 3, 4, 5]
[2, 5, 4, 2, 3, 1, 4, 3, 5, 4, 6, 5, 4, 2, 3, 1, 4, 3, 5, 4, 2]
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[3, 1, 4, 2, 3, 1, 4, 5, 4, 2, 3, 1, 4, 3, 6, 5, 4, 2, 3, 4, 5]
[3, 1, 4, 2, 3, 4, 5, 4, 2, 3, 1, 4, 5, 6, 5, 4, 2, 3, 1, 4, 5]
[2, 3, 4, 2, 3, 4, 5, 4, 2, 3, 1, 4, 3, 5, 4, 2, 6, 5, 4, 3, 1]
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[2, 4, 3, 1, 5, 4, 2, 3, 1, 4, 5, 6, 5, 4, 2, 3, 1, 4, 3, 5, 4, 2]
[2, 4, 2, 3, 1, 5, 4, 2, 3, 1, 4, 3, 5, 6, 5, 4, 2, 3, 1, 4, 3, 5]
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[5, 4, 2, 3, 1, 4, 3, 5, 4, 6, 5, 4, 2, 3, 1, 4, 3, 5, 4, 2, 6, 5]
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[2, 3, 1, 4, 3, 5, 4, 2, 3, 1, 4, 3, 5, 4, 6, 5, 4, 2, 3, 1, 4, 5]
[2, 4, 3, 1, 5, 4, 2, 3, 1, 4, 3, 5, 4, 6, 5, 4, 2, 3, 1, 4, 3, 5]
[2, 3, 1, 4, 3, 1, 5, 4, 2, 3, 1, 4, 3, 5, 4, 6, 5, 4, 2, 3, 4, 5]
[2, 3, 1, 4, 2, 3, 1, 4, 5, 4, 2, 3, 4, 5, 6, 5, 4, 2, 3, 1, 4, 5]
[3, 1, 4, 3, 1, 5, 4, 2, 3, 4, 5, 6, 5, 4, 2, 3, 1, 4, 3, 5, 4, 2]
[4, 2, 5, 4, 2, 3, 1, 4, 3, 5, 4, 6, 5, 4, 2, 3, 1, 4, 3, 5, 4, 2]
[2, 3, 4, 3, 5, 4, 2, 3, 1, 4, 5, 6, 5, 4, 2, 3, 1, 4, 3, 5, 4, 2]
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[2, 3, 4, 3, 1, 5, 4, 2, 3, 1, 4, 5, 6, 5, 4, 2, 3, 1, 4, 3, 5, 4]
[2, 4, 2, 5, 4, 2, 3, 1, 4, 3, 5, 4, 2, 6, 5, 4, 2, 3, 1, 4, 3, 5]
[3, 4, 2, 3, 1, 4, 3, 5, 4, 2, 3, 1, 4, 3, 5, 4, 6, 5, 4, 2, 3, 1]
[3, 1, 4, 2, 3, 4, 5, 4, 2, 3, 1, 4, 3, 5, 6, 5, 4, 2, 3, 1, 4, 5]
[1, 3, 1, 5, 4, 2, 3, 1, 4, 3, 6, 5, 4, 2, 3, 1, 4, 3, 5, 4, 6, 5]
[3, 1, 4, 2, 3, 1, 4, 5, 4, 2, 3, 1, 4, 3, 6, 5, 4, 2, 3, 1, 4, 5]
[3, 1, 4, 2, 3, 5, 4, 2, 3, 1, 4, 3, 5, 4, 6, 5, 4, 2, 3, 1, 4, 5]
[3, 1, 5, 4, 2, 3, 1, 4, 3, 5, 6, 5, 4, 2, 3, 1, 4, 3, 5, 4, 2, 6, 5]
[2, 4, 2, 3, 1, 5, 4, 2, 3, 1, 4, 5, 6, 5, 4, 2, 3, 1, 4, 3, 5, 4, 2]
[2, 4, 3, 1, 5, 4, 2, 3, 1, 4, 3, 6, 5, 4, 2, 3, 1, 4, 3, 5, 4, 6, 5]
[5, 4, 2, 3, 1, 4, 3, 5, 4, 6, 5, 4, 2, 3, 1, 4, 3, 5, 4, 2, 6, 5, 4]
[2, 3, 1, 4, 2, 3, 1, 5, 4, 2, 3, 1, 4, 3, 5, 6, 5, 4, 2, 3, 1, 4, 5]
[2, 3, 1, 4, 3, 1, 5, 4, 2, 3, 1, 4, 3, 5, 4, 6, 5, 4, 2, 3, 1, 4, 5]

Table 5: Conjugacy Classes Associated with e3 (continued).

Table 5: Conjugacy Classes Associated with e3 (continued).

Conjugacy Classes
[3, 1, 4, 2, 3, 5, 4, 2, 3, 1, 4, 5, 6, 5, 4, 2, 3, 1, 4, 3, 5, 4, 2]
[3, 5, 4, 2, 3, 1, 4, 3, 5, 4, 2, 6, 5, 4, 2, 3, 1, 4, 3, 5, 4, 6, 5]
[3, 1, 4, 3, 1, 5, 4, 2, 3, 1, 4, 5, 6, 5, 4, 2, 3, 1, 4, 3, 5, 4, 2]
[2, 3, 1, 4, 3, 1, 5, 4, 2, 3, 4, 5, 6, 5, 4, 2, 3, 1, 4, 3, 5, 4, 2]
[2, 3, 1, 4, 3, 1, 5, 4, 2, 3, 1, 4, 5, 6, 5, 4, 2, 3, 1, 4, 3, 5, 4]
[2, 4, 5, 4, 2, 3, 1, 4, 3, 5, 4, 6, 5, 4, 2, 3, 1, 4, 3, 5, 4, 6, 5]
[1, 2, 4, 2, 3, 1, 5, 4, 2, 3, 4, 5, 6, 5, 4, 2, 3, 1, 4, 3, 5, 4, 2]
[2, 3, 5, 4, 2, 3, 1, 4, 3, 5, 4, 2, 6, 5, 4, 2, 3, 1, 4, 3, 5, 4, 2]
[2, 4, 5, 4, 2, 3, 1, 4, 3, 5, 6, 5, 4, 2, 3, 1, 4, 3, 5, 4, 2, 6, 5]
[2, 3, 4, 3, 1, 5, 4, 2, 3, 1, 4, 5, 6, 5, 4, 2, 3, 1, 4, 3, 5, 4, 2]
[4, 2, 3, 1, 4, 5, 4, 2, 3, 1, 4, 5, 6, 5, 4, 2, 3, 1, 4, 3, 5, 4, 2]
[2, 4, 3, 1, 5, 4, 2, 3, 1, 4, 3, 5, 4, 6, 5, 4, 2, 3, 1, 4, 3, 5, 4]
[4, 2, 3, 1, 4, 3, 5, 4, 2, 3, 1, 4, 3, 5, 6, 5, 4, 2, 3, 1, 4, 3, 5]
[5, 4, 2, 3, 1, 4, 3, 5, 4, 2, 6, 5, 4, 2, 3, 1, 4, 3, 5, 4, 2, 6, 5, 4]
[2, 4, 3, 1, 5, 4, 2, 3, 1, 4, 3, 5, 4, 2, 6, 5, 4, 2, 3, 1, 4, 3, 5, 4]
[2, 4, 5, 4, 2, 3, 1, 4, 3, 5, 4, 6, 5, 4, 2, 3, 1, 4, 3, 5, 4, 2, 6, 5]
[4, 2, 3, 1, 4, 3, 5, 4, 2, 3, 1, 4, 5, 6, 5, 4, 2, 3, 1, 4, 3, 5, 4, 2]
[2, 4, 2, 3, 1, 4, 5, 4, 2, 3, 1, 4, 5, 6, 5, 4, 2, 3, 1, 4, 3, 5, 4, 2]
[2, 4, 2, 3, 1, 4, 3, 5, 4, 2, 3, 4, 5, 6, 5, 4, 2, 3, 1, 4, 3, 5, 4, 2]
[2, 3, 1, 4, 3, 1, 5, 4, 2, 3, 1, 4, 5, 6, 5, 4, 2, 3, 1, 4, 3, 5, 4, 2]
[1, 2, 4, 2, 3, 1, 5, 4, 2, 3, 1, 4, 5, 6, 5, 4, 2, 3, 1, 4, 3, 5, 4, 2]
[3, 5, 4, 2, 3, 1, 4, 3, 5, 4, 2, 6, 5, 4, 2, 3, 1, 4, 3, 5, 4, 2, 6, 5]
[2, 4, 3, 5, 4, 2, 3, 1, 4, 3, 5, 4, 6, 5, 4, 2, 3, 1, 4, 3, 5, 4, 6, 5]
[2, 4, 3, 5, 4, 2, 3, 1, 4, 3, 5, 6, 5, 4, 2, 3, 1, 4, 3, 5, 4, 2, 6, 5]
[2, 3, 1, 4, 3, 5, 4, 2, 3, 1, 4, 3, 6, 5, 4, 2, 3, 1, 4, 3, 5, 4, 6, 5]
[2, 4, 3, 1, 5, 4, 2, 3, 1, 4, 3, 5, 6, 5, 4, 2, 3, 1, 4, 3, 5, 4, 2, 6, 5]
[5, 4, 2, 3, 1, 4, 3, 5, 4, 2, 6, 5, 4, 2, 3, 1, 4, 3, 5, 4, 2, 6, 5, 4, 3]
[2, 4, 5, 4, 2, 3, 1, 4, 3, 5, 4, 2, 6, 5, 4, 2, 3, 1, 4, 3, 5, 4, 2, 6, 5]
[2, 4, 2, 3, 1, 4, 3, 5, 4, 2, 3, 1, 4, 5, 6, 5, 4, 2, 3, 1, 4, 3, 5, 4, 2]
[3, 1, 4, 2, 3, 4, 5, 4, 2, 3, 1, 4, 3, 6, 5, 4, 2, 3, 1, 4, 3, 5, 4, 6, 5]
[2, 4, 3, 5, 4, 2, 3, 1, 4, 3, 5, 4, 6, 5, 4, 2, 3, 1, 4, 3, 5, 4, 2, 6, 5]
[1, 2, 4, 3, 1, 5, 4, 2, 3, 1, 4, 3, 5, 6, 5, 4, 2, 3, 1, 4, 3, 5, 4, 2, 6, 5]
[2, 4, 3, 1, 5, 4, 2, 3, 1, 4, 3, 5, 4, 6, 5, 4, 2, 3, 1, 4, 3, 5, 4, 2, 6, 5]
[2, 4, 3, 5, 4, 2, 3, 1, 4, 3, 5, 4, 2, 6, 5, 4, 2, 3, 1, 4, 3, 5, 4, 2, 6, 5]
[2, 4, 5, 4, 2, 3, 1, 4, 3, 5, 4, 2, 6, 5, 4, 2, 3, 1, 4, 3, 5, 4, 2, 6, 5, 4, 3]
[2, 4, 3, 1, 5, 4, 2, 3, 1, 4, 3, 5, 4, 2, 6, 5, 4, 2, 3, 1, 4, 3, 5, 4, 2, 6, 5]
[2, 4, 3, 1, 5, 4, 2, 3, 1, 4, 3, 5, 4, 2, 6, 5, 4, 2, 3, 1, 4, 3, 5, 4, 2, 6, 5, 4, 3]

Table 5: Conjugacy Classes Associated with $e3$ (continued).

Conjugacy Classes	Conjugacy Classes
[ ]	[4, 3, 1, 5, 4, 2, 3, 1, 4, 5]
[5]	[2, 5, 4, 2, 3, 1, 6, 5, 4, 3]
[4]	[5, 4, 2, 3, 1, 4, 3, 6, 5, 4]
[4, 2]	[4, 3, 1, 5, 4, 2, 3, 4, 6, 5]
[2, 5]	[4, 2, 5, 4, 2, 6, 5, 4, 3, 1]
[5, 4]	[5, 4, 2, 3, 1, 4, 6, 5, 4, 3]
[3, 5]	[4, 2, 5, 4, 2, 3, 1, 4, 6, 5]

[2, 3]	[4, 5, 4, 2, 3, 4, 6, 5, 4, 3]
[5, 4, 2]	[2, 4, 5, 4, 2, 3, 4, 6, 5, 4, 3]
[3, 1, 5]	[5, 4, 2, 3, 1, 4, 3, 5, 4, 6, 5]
[2, 3, 1]	[4, 2, 3, 1, 5, 4, 2, 3, 1, 4, 5]
[1, 5, 4]	[4, 2, 5, 4, 2, 3, 1, 6, 5, 4, 3]
[4, 3, 1]	[5, 4, 2, 3, 1, 4, 3, 6, 5, 4, 3]
[5, 4, 3]	[5, 4, 3, 1, 6, 5, 4, 2, 3, 4, 5]
[2, 3, 5]	[5, 4, 2, 3, 1, 4, 3, 6, 5, 4, 2]
[5, 4, 6, 5]	[4, 2, 3, 1, 5, 4, 2, 3, 4, 6, 5]
[4, 2, 3, 1]	[4, 3, 1, 5, 4, 2, 3, 1, 4, 6, 5]
[5, 4, 3, 1]	[2, 5, 4, 2, 3, 1, 4, 6, 5, 4, 3]
[1, 5, 4, 2]	[3, 5, 4, 2, 3, 4, 6, 5, 4, 2, 3, 4]
[5, 4, 2, 3]	[2, 4, 5, 4, 2, 3, 1, 4, 6, 5, 4, 3]
[2, 3, 1, 5]	[2, 4, 5, 4, 2, 3, 4, 6, 5, 4, 3, 1]
[5, 4, 2, 6, 5]	[2, 4, 2, 5, 4, 2, 3, 4, 6, 5, 4, 3]
[4, 5, 4, 2, 3]	[5, 4, 2, 3, 1, 4, 3, 5, 4, 6, 5, 4]
[5, 4, 2, 3, 1]	[4, 3, 1, 5, 4, 2, 3, 1, 4, 3, 6, 5]
[5, 4, 3, 6, 5]	[5, 4, 2, 3, 1, 4, 3, 6, 5, 4, 2, 3]
[1, 5, 4, 6, 5]	[5, 4, 2, 3, 1, 6, 5, 4, 2, 3, 4, 5]
[5, 4, 2, 3, 4, 5]	[4, 2, 3, 1, 5, 4, 2, 3, 1, 4, 6, 5]
[4, 5, 4, 2, 3, 1]	[2, 3, 4, 2, 3, 4, 5, 4, 2, 3, 4, 5]
[4, 2, 5, 4, 2, 3]	[5, 4, 2, 3, 4, 5, 6, 5, 4, 2, 3, 4, 5]
[5, 4, 3, 1, 6, 5]	[3, 1, 4, 2, 3, 4, 5, 4, 2, 3, 4, 6, 5]
[1, 5, 4, 2, 6, 5]	[3, 1, 5, 4, 2, 3, 4, 6, 5, 4, 2, 3, 4]
[5, 4, 2, 3, 6, 5]	[5, 4, 2, 3, 1, 4, 3, 5, 4, 6, 5, 4, 3]
[4, 5, 4, 2, 3, 4, 5]	[4, 5, 4, 2, 3, 1, 6, 5, 4, 2, 3, 4, 5]
[5, 4, 2, 3, 1, 4, 5]	[4, 2, 3, 1, 5, 4, 2, 3, 1, 4, 3, 6, 5]
[5, 4, 2, 3, 4, 6, 5]	[5, 4, 2, 3, 1, 4, 3, 5, 4, 2, 6, 5, 4]
[3, 1, 5, 4, 2, 3, 4]	[4, 2, 5, 4, 3, 1, 6, 5, 4, 2, 3, 4, 5]
[2, 5, 4, 2, 3, 4, 5]	[2, 3, 1, 4, 2, 3, 4, 5, 4, 2, 3, 4, 5]
[5, 4, 2, 3, 1, 6, 5]	[2, 4, 5, 4, 2, 3, 1, 4, 6, 5, 4, 3, 1]
[4, 2, 5, 4, 3, 6, 5]	[2, 4, 2, 5, 4, 2, 3, 4, 6, 5, 4, 3, 1]
[5, 4, 2, 6, 5, 4, 3]	[3, 5, 4, 2, 3, 1, 4, 6, 5, 4, 2, 3, 4]
[3, 1, 5, 4, 2, 3, 4, 5]	[4, 2, 3, 5, 4, 2, 3, 4, 6, 5, 4, 2, 3]
[5, 4, 3, 1, 6, 5, 4, 3]	[5, 4, 2, 3, 1, 4, 3, 5, 4, 2, 6, 5, 4, 3]
[5, 4, 2, 3, 1, 4, 6, 5]	[5, 4, 2, 3, 4, 5, 6, 5, 4, 2, 3, 1, 4, 5]
[2, 5, 4, 2, 3, 4, 6, 5]	[4, 2, 5, 4, 2, 3, 1, 6, 5, 4, 2, 3, 4, 5]
[5, 4, 2, 6, 5, 4, 3, 1]	[5, 4, 2, 3, 1, 4, 5, 6, 5, 4, 2, 3, 4, 5]
[5, 4, 2, 3, 4, 6, 5, 4]	[4, 5, 4, 2, 3, 4, 5, 6, 5, 4, 2, 3, 4, 5]
[4, 2, 5, 4, 3, 1, 6, 5]	[5, 4, 2, 3, 1, 4, 3, 5, 4, 6, 5, 4, 2, 3]
[4, 5, 4, 2, 3, 1, 4, 5]	[4, 5, 4, 2, 3, 1, 6, 5, 4, 2, 3, 1, 4, 5]
[4, 2, 5, 4, 2, 3, 4, 5]	[4, 5, 4, 2, 3, 1, 4, 3, 5, 4, 6, 5, 4, 3]
[3, 1, 5, 4, 2, 3, 4, 6, 5]	[3, 1, 5, 4, 2, 3, 1, 4, 6, 5, 4, 2, 3, 4]
[5, 4, 2, 3, 1, 6, 5, 4, 3]	[3, 1, 4, 2, 3, 1, 4, 5, 4, 2, 3, 4, 6, 5]
[4, 3, 1, 5, 4, 2, 3, 4, 5]	[3, 5, 4, 2, 3, 1, 4, 6, 5, 4, 2, 3, 4, 5]
[2, 5, 4, 3, 1, 6, 5, 4, 3]	[2, 3, 1, 5, 4, 2, 3, 4, 6, 5, 4, 2, 3, 4]
[5, 4, 2, 3, 1, 4, 6, 5, 4]	[2, 3, 1, 4, 2, 3, 4, 5, 4, 2, 3, 4, 6, 5]
[5, 4, 2, 3, 4, 6, 5, 4, 3]	[3, 1, 5, 4, 2, 3, 4, 5, 6, 5, 4, 2, 3, 4, 5]
[4, 2, 5, 4, 2, 3, 4, 6, 5]	[5, 4, 2, 3, 1, 4, 3, 5, 6, 5, 4, 2, 3, 4, 5]
[4, 2, 5, 4, 2, 6, 5, 4, 3]	[5, 4, 2, 3, 1, 4, 5, 6, 5, 4, 2, 3, 1, 4, 5]

Table 6: Conjugacy Classes Associated with $e4$.

Conjugacy Classes
[2, 3, 5, 4, 2, 3, 4, 5, 6, 5, 4, 2, 3, 4, 5]
[4, 2, 5, 4, 2, 3, 1, 6, 5, 4, 2, 3, 1, 4, 5]
[5, 4, 2, 3, 1, 4, 3, 5, 4, 2, 6, 5, 4, 2, 3]
[4, 5, 4, 2, 3, 4, 5, 6, 5, 4, 2, 3, 1, 4, 5]
[3, 1, 4, 3, 5, 4, 2, 3, 1, 4, 3, 5, 4, 6, 5]
[3, 1, 5, 4, 2, 3, 1, 4, 3, 6, 5, 4, 2, 3, 4]
[4, 5, 4, 2, 3, 1, 4, 3, 5, 4, 2, 6, 5, 4, 3]
[3, 1, 5, 4, 2, 3, 1, 4, 6, 5, 4, 2, 3, 4, 5]
[3, 5, 4, 2, 3, 1, 4, 3, 6, 5, 4, 2, 3, 4, 5]
[4, 2, 5, 4, 2, 3, 4, 5, 6, 5, 4, 2, 3, 4, 5]
[4, 5, 4, 2, 3, 1, 4, 5, 6, 5, 4, 2, 3, 4, 5]
[2, 3, 1, 5, 4, 2, 3, 4, 5, 6, 5, 4, 2, 3, 4, 5]
[4, 5, 4, 2, 3, 1, 4, 5, 6, 5, 4, 2, 3, 1, 4, 5]
[3, 5, 4, 2, 3, 1, 4, 3, 5, 6, 5, 4, 2, 3, 4, 5]
[4, 3, 1, 5, 4, 2, 3, 4, 5, 6, 5, 4, 2, 3, 4, 5]
[5, 4, 2, 3, 1, 4, 3, 5, 6, 5, 4, 2, 3, 1, 4, 5]
[4, 2, 5, 4, 2, 3, 4, 5, 6, 5, 4, 2, 3, 1, 4, 5]
[4, 2, 3, 5, 4, 2, 3, 4, 5, 6, 5, 4, 2, 3, 4, 5]
[3, 1, 4, 3, 5, 4, 2, 3, 1, 4, 3, 5, 4, 2, 6, 5]
[3, 1, 5, 4, 2, 3, 1, 4, 3, 6, 5, 4, 2, 3, 4, 5]
[3, 1, 5, 4, 2, 3, 1, 4, 5, 6, 5, 4, 2, 3, 4, 5]
[5, 4, 2, 3, 1, 4, 3, 5, 4, 6, 5, 4, 2, 3, 4, 5]
[4, 3, 5, 4, 2, 3, 1, 4, 5, 6, 5, 4, 2, 3, 4, 5]
[5, 4, 2, 3, 1, 4, 3, 6, 5, 4, 2, 3, 1, 4, 3, 5, 4]
[4, 2, 3, 1, 4, 3, 5, 4, 2, 3, 1, 4, 3, 5, 4, 6, 5]
[4, 2, 3, 1, 5, 4, 2, 3, 4, 5, 6, 5, 4, 2, 3, 4, 5]
[4, 3, 1, 5, 4, 2, 3, 1, 4, 5, 6, 5, 4, 2, 3, 4, 5]
[5, 4, 2, 3, 1, 4, 3, 5, 4, 6, 5, 4, 2, 3, 1, 4, 5]
[5, 4, 2, 3, 1, 4, 3, 5, 4, 2, 6, 5, 4, 2, 3, 4, 5]
[3, 1, 5, 4, 2, 3, 1, 4, 3, 5, 6, 5, 4, 2, 3, 4, 5]
[4, 2, 5, 4, 2, 3, 1, 4, 5, 6, 5, 4, 2, 3, 1, 4, 3, 5]
[4, 2, 3, 1, 5, 4, 2, 3, 1, 4, 5, 6, 5, 4, 2, 3, 4, 5]
[5, 4, 2, 3, 1, 4, 3, 5, 6, 5, 4, 2, 3, 1, 4, 3, 5, 4]
[4, 3, 1, 5, 4, 2, 3, 1, 4, 3, 5, 6, 5, 4, 2, 3, 4, 5]
[4, 5, 4, 2, 3, 1, 4, 3, 5, 4, 6, 5, 4, 2, 3, 1, 4, 3]
[3, 5, 4, 2, 3, 1, 4, 3, 6, 5, 4, 2, 3, 1, 4, 3, 5, 4]
[5, 4, 2, 3, 1, 4, 3, 6, 5, 4, 2, 3, 1, 4, 3, 5, 4, 6, 5]
[4, 2, 3, 1, 5, 4, 2, 3, 1, 4, 5, 6, 5, 4, 2, 3, 1, 4, 5]
[4, 2, 5, 4, 2, 3, 1, 4, 3, 5, 6, 5, 4, 2, 3, 1, 4, 3, 5]
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[3, 1, 5, 4, 2, 3, 1, 4, 5, 6, 5, 4, 2, 3, 1, 4, 3, 5, 4, 2]
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[2, 4, 2, 5, 4, 2, 3, 1, 4, 3, 5, 4, 6, 5, 4, 2, 3, 1, 4, 3]
[2, 4, 2, 3, 1, 4, 3, 5, 4, 2, 3, 1, 6, 5, 4, 2, 3, 1, 4, 5]
[3, 1, 5, 4, 2, 3, 1, 4, 3, 5, 6, 5, 4, 2, 3, 1, 4, 3, 5, 4, 2]
[2, 4, 2, 5, 4, 2, 3, 1, 4, 3, 5, 4, 6, 5, 4, 2, 3, 1, 4, 3, 5]
[5, 4, 2, 3, 1, 4, 3, 5, 4, 6, 5, 4, 2, 3, 1, 4, 3, 5, 4, 6, 5]
[3, 1, 4, 3, 5, 4, 2, 3, 1, 4, 3, 5, 4, 6, 5, 4, 2, 3, 1, 4, 5]
[3, 1, 5, 4, 2, 3, 1, 4, 3, 5, 6, 5, 4, 2, 3, 1, 4, 3, 5, 4, 6, 5]
[1, 3, 1, 5, 4, 2, 3, 1, 4, 3, 6, 5, 4, 2, 3, 1, 4, 3, 5, 4, 6, 5]
[3, 4, 3, 1, 5, 4, 2, 3, 1, 4, 5, 6, 5, 4, 2, 3, 1, 4, 3, 5, 4, 2]
[5, 4, 2, 3, 1, 4, 3, 5, 4, 6, 5, 4, 2, 3, 1, 4, 3, 5, 4, 2, 6, 5, 4]
[3, 5, 4, 2, 3, 1, 4, 3, 5, 4, 2, 6, 5, 4, 2, 3, 1, 4, 3, 5, 4, 6, 5]
[3, 1, 4, 3, 1, 5, 4, 2, 3, 1, 4, 5, 6, 5, 4, 2, 3, 1, 4, 3, 5, 4, 2]
[5, 4, 2, 3, 1, 4, 3, 5, 4, 2, 6, 5, 4, 2, 3, 1, 4, 3, 5, 4, 2, 6, 5, 4, 3]

Table 6: Conjugacy Classes Associated with *e*4 (continued).

Conjugacy Classes	Conjugacy Classes
[ ]	[4, 5, 4, 6, 5, 4, 2, 3]
[6]	[3, 1, 6, 5, 4, 2, 3, 4]
[5]	[4, 2, 5, 6, 5, 4, 2, 3]
[6, 5]	[2, 6, 5, 4, 2, 3, 4, 5, 6]
[3, 5]	[5, 6, 5, 4, 2, 3, 4, 5, 6]
[4, 2]	[6, 5, 4, 2, 3, 1, 4, 5, 6]
[2, 5]	[3, 1, 5, 6, 5, 4, 2, 3, 4]
[4, 6]	[4, 5, 4, 6, 5, 4, 2, 3, 1]
[5, 4, 2]	[4, 2, 5, 4, 6, 5, 4, 2, 3]
[6, 5, 4]	[2, 5, 6, 5, 4, 2, 3, 4, 5, 6]
[4, 2, 6]	[3, 1, 6, 5, 4, 2, 3, 4, 5, 6]
[3, 1, 5]	[4, 3, 1, 6, 5, 4, 2, 3, 4, 5]
[2, 6, 5]	[5, 6, 5, 4, 2, 3, 1, 4, 5, 6]
[2, 3, 5]	[5, 4, 6, 5, 4, 2, 3, 4, 5, 6]
[3, 6, 5]	[4, 2, 6, 5, 4, 2, 3, 4, 5, 6]
[4, 3, 1]	[4, 3, 1, 6, 5, 4, 2, 3, 1, 4, 5]
[2, 3, 6]	[3, 1, 5, 6, 5, 4, 2, 3, 4, 5, 6]
[6, 5, 4, 2]	[5, 4, 2, 6, 5, 4, 2, 3, 4, 5, 6]
[1, 5, 4, 2]	[5, 4, 6, 5, 4, 2, 3, 1, 4, 5, 6]
[3, 1, 6, 5]	[4, 3, 1, 6, 5, 4, 2, 3, 4, 5, 6]
[4, 2, 3, 1]	[4, 3, 1, 6, 5, 4, 2, 3, 1, 4, 5, 6]
[1, 6, 5, 4]	[4, 2, 3, 1, 6, 5, 4, 2, 3, 1, 4, 5]
[2, 3, 1, 6]	[5, 4, 3, 1, 6, 5, 4, 2, 3, 4, 5, 6]
[6, 5, 4, 3]	[2, 3, 4, 2, 3, 4, 5, 4, 2, 3, 4, 5]
[4, 3, 1, 6]	[5, 4, 3, 1, 6, 5, 4, 2, 3, 1, 4, 5, 6]
[5, 4, 2, 3]	[4, 2, 3, 1, 6, 5, 4, 2, 3, 1, 4, 5, 6]
[2, 3, 6, 5]	[2, 3, 1, 4, 2, 3, 4, 5, 4, 2, 3, 4, 5]
[2, 3, 1, 5]	[4, 2, 3, 5, 4, 2, 3, 4, 6, 5, 4, 2, 3]
[4, 2, 3, 1, 6]	[2, 3, 4, 2, 3, 4, 6, 5, 4, 2, 3, 4, 5, 6]
[6, 5, 4, 3, 1]	[4, 2, 5, 4, 3, 1, 6, 5, 4, 2, 3, 4, 5, 6]
[1, 6, 5, 4, 2]	[2, 3, 1, 4, 2, 3, 4, 6, 5, 4, 2, 3, 4, 5]
[5, 4, 2, 3, 1]	[4, 2, 5, 4, 2, 3, 1, 6, 5, 4, 2, 3, 4, 5, 6]
[6, 5, 4, 2, 3]	[2, 3, 1, 4, 2, 3, 4, 6, 5, 4, 2, 3, 4, 5, 6]
[2, 3, 1, 6, 5]	[4, 2, 3, 5, 4, 2, 3, 6, 5, 4, 2, 3, 4, 5, 6]
[5, 6, 5, 4, 2, 3]	[4, 2, 5, 4, 3, 1, 6, 5, 4, 2, 3, 1, 4, 3, 5, 6]
[6, 5, 4, 2, 3, 1]	[2, 3, 1, 5, 4, 2, 3, 4, 6, 5, 4, 2, 3, 4, 5, 6]
[4, 2, 5, 4, 2, 3]	[4, 2, 5, 4, 2, 3, 1, 6, 5, 4, 2, 3, 1, 4, 3, 5, 6]
[4, 5, 6, 5, 4, 2, 3]	[4, 6, 5, 4, 2, 3, 1, 4, 3, 5, 4, 2, 6, 5, 4, 3, 1]
[3, 1, 5, 4, 2, 3, 4]	[3, 1, 5, 4, 3, 1, 6, 5, 4, 2, 3, 1, 4, 3, 5, 4, 2, 6]
[5, 6, 5, 4, 2, 3, 1]	[4, 5, 4, 2, 6, 5, 4, 2, 3, 1, 4, 3, 5, 4, 2, 6, 5, 4, 3, 1]
[5, 4, 2, 6, 5, 4, 3]	[3, 1, 4, 3, 5, 4, 2, 3, 6, 5, 4, 2, 3, 1, 4, 3, 5, 4, 2, 6, 5, 4]
[6, 5, 4, 2, 3, 4, 5, 6]	[3, 1, 4, 3, 1, 5, 4, 2, 3, 1, 4, 5, 6, 5, 4, 2, 3, 1, 4, 3, 5, 4, 2, 6]
[4, 5, 6, 5, 4, 2, 3, 1]	

Table 7: Conjugacy Classes Associated with *e*5.

Conjugacy Classes	Conjugacy Classes	Conjugacy Classes
[ ]	[6, 5, 4, 2, 3]	[3, 1, 6, 5, 4, 2, 3, 4]
[6]	[2, 3, 1, 6, 5]	[3, 1, 5, 4, 2, 3, 4, 6]
[5]	[2, 5, 4, 2, 3]	[3, 1, 4, 2, 3, 4, 5, 6]
[2]	[1, 4, 2, 5, 6]	[2, 5, 6, 5, 4, 2, 3, 1]
[6, 5]	[4, 5, 6, 5, 4, 2]	[6, 5, 4, 2, 3, 1, 4, 3]
[2, 3]	[2, 4, 5, 4, 2, 6]	[4, 2, 5, 6, 5, 4, 2, 3]
[4, 2]	[2, 4, 3, 5, 4, 2]	[2, 4, 2, 5, 6, 5, 4, 3]
[2, 5]	[5, 6, 5, 4, 2, 3]	[5, 4, 2, 6, 5, 4, 3, 1]
[2, 6]	[4, 5, 4, 2, 3, 6]	[2, 4, 2, 5, 4, 3, 1, 6]
[5, 4]	[2, 4, 3, 5, 6, 5]	[2, 3, 1, 4, 3, 5, 4, 2]
[4, 6]	[2, 5, 4, 2, 3, 1]	[5, 4, 2, 6, 5, 4, 2, 3]
[3, 5]	[1, 5, 6, 5, 4, 2]	[2, 4, 2, 5, 4, 3, 6, 5]
[5, 4, 2]	[6, 5, 4, 2, 3, 1]	[2, 4, 2, 3, 5, 4, 2, 6]
[4, 2, 6]	[1, 4, 5, 4, 2, 6]	[2, 4, 2, 3, 1, 5, 4, 2]
[2, 6, 5]	[5, 4, 2, 3, 1, 6]	[2, 4, 2, 3, 6, 5, 4, 2]
[6, 5, 4]	[4, 2, 5, 4, 2, 3]	[2, 4, 2, 3, 5, 4, 2, 3]
[2, 3, 1]	[2, 4, 3, 1, 5, 6]	[2, 4, 5, 4, 2, 3, 1, 6]
[4, 2, 3]	[4, 2, 3, 1, 5, 6]	[2, 4, 3, 5, 4, 2, 3, 6]
[2, 3, 6]	[2, 5, 4, 2, 3, 6]	[2, 4, 3, 6, 5, 4, 2, 3]
[1, 4, 2]	[2, 6, 5, 4, 2, 3]	[1, 2, 4, 2, 5, 4, 6, 5]
[3, 1, 6]	[2, 4, 2, 3, 5, 6]	[4, 5, 4, 6, 5, 4, 2, 3]
[3, 1, 5]	[1, 2, 4, 2, 5, 6]	[1, 5, 4, 2, 6, 5, 4, 2]
[4, 3, 1]	[4, 5, 6, 5, 4, 2, 3]	[2, 4, 5, 4, 6, 5, 4, 3]
[1, 4, 6]	[2, 4, 5, 6, 5, 4, 2]	[2, 6, 5, 4, 2, 3, 4, 5, 6]
[3, 6, 5]	[2, 4, 5, 6, 5, 4, 3]	[2, 4, 3, 1, 5, 6, 5, 4, 2]
[2, 3, 5]	[2, 4, 3, 1, 5, 4, 2]	[6, 5, 4, 2, 3, 1, 4, 5, 6]
[6, 5, 4, 2]	[5, 4, 2, 6, 5, 4, 2]	[2, 4, 5, 6, 5, 4, 2, 3, 1]
[5, 4, 2, 6]	[2, 4, 2, 3, 5, 4, 2]	[2, 4, 2, 5, 4, 6, 5, 4, 2]
[4, 2, 5, 6]	[2, 4, 3, 5, 4, 2, 6]	[5, 6, 5, 4, 2, 3, 4, 5, 6]
[2, 4, 5, 6]	[1, 4, 5, 6, 5, 4, 2]	[2, 4, 2, 3, 5, 6, 5, 4, 2]
[4, 2, 3, 1]	[1, 2, 4, 5, 4, 2, 6]	[3, 1, 5, 6, 5, 4, 2, 3, 4]
[1, 4, 2, 6]	[2, 4, 3, 6, 5, 4, 2]	[3, 1, 4, 2, 3, 4, 5, 6, 5]
[1, 5, 4, 2]	[2, 4, 2, 5, 4, 6, 5]	[2, 4, 3, 1, 6, 5, 4, 2, 3]
[4, 2, 3, 6]	[3, 1, 5, 4, 2, 3, 4]	[2, 3, 1, 4, 3, 6, 5, 4, 2]
[2, 3, 1, 6]	[2, 6, 5, 4, 2, 3, 1]	[3, 1, 6, 5, 4, 2, 3, 1, 4]
[3, 1, 6, 5]	[5, 6, 5, 4, 2, 3, 1]	[3, 1, 5, 4, 2, 3, 1, 4, 6]
[5, 4, 2, 3]	[2, 5, 4, 2, 3, 1, 6]	[3, 1, 4, 2, 3, 1, 4, 5, 6]
[5, 4, 3, 1]	[4, 5, 4, 2, 3, 1, 6]	[5, 6, 5, 4, 2, 3, 1, 4, 3]
[6, 5, 4, 3]	[4, 2, 6, 5, 4, 2, 3]	[2, 4, 2, 5, 6, 5, 4, 3, 1]
[4, 3, 1, 6]	[5, 4, 2, 6, 5, 4, 3]	[2, 4, 3, 1, 5, 4, 2, 3, 4]
[1, 6, 5, 4]	[2, 4, 2, 5, 4, 3, 6]	[2, 4, 3, 1, 5, 4, 2, 3, 6]
[2, 3, 1, 5]	[2, 4, 3, 1, 5, 6, 5]	[2, 4, 2, 5, 6, 5, 4, 2, 3]
[2, 3, 6, 5]	[2, 4, 2, 3, 1, 5, 6]	[5, 4, 2, 6, 5, 4, 2, 3, 1]
[5, 6, 5, 4, 2]	[2, 4, 3, 5, 4, 2, 3]	[2, 4, 2, 3, 5, 4, 2, 3, 6]
[4, 5, 4, 2, 6]	[2, 5, 6, 5, 4, 2, 3]	[4, 2, 5, 4, 6, 5, 4, 2, 3]
[2, 4, 2, 5, 6]	[2, 4, 5, 4, 2, 3, 6]	[2, 4, 2, 5, 4, 3, 1, 6, 5]
[4, 2, 3, 1, 6]	[6, 5, 4, 2, 3, 4, 5, 6]	[4, 5, 4, 6, 5, 4, 2, 3, 1]
[1, 6, 5, 4, 2]	[2, 4, 5, 6, 5, 4, 2, 3]	[2, 4, 2, 5, 4, 6, 5, 4, 3]
[5, 4, 2, 3, 1]	[2, 4, 3, 1, 6, 5, 4, 2]	
[1, 5, 4, 2, 6]	[2, 4, 3, 1, 5, 4, 2, 6]	
[5, 4, 2, 3, 6]	[4, 5, 6, 5, 4, 2, 3, 1]	
[4, 2, 3, 5, 6]	[2, 4, 5, 6, 5, 4, 3, 1]	
[6, 5, 4, 3, 1]	[1, 2, 4, 5, 6, 5, 4, 2]	
[2, 4, 3, 5, 6]	[2, 4, 3, 5, 6, 5, 4, 2]	
[1, 2, 4, 5, 6]	[2, 4, 2, 5, 6, 5, 4, 2]	

Table 8: Conjugacy Classes Associated with *e*6.

Conjugacy Classes	Conjugacy Classes
[2, 4, 3, 5, 6, 5, 4, 2, 3]	[2, 4, 5, 4, 2, 3, 6, 5, 4, 2, 3]
[1, 2, 4, 2, 5, 6, 5, 4, 2]	[5, 6, 5, 4, 2, 3, 1, 4, 3, 5, 6]
[2, 4, 3, 1, 5, 4, 2, 3, 4, 5]	[2, 3, 1, 4, 2, 3, 4, 6, 5, 4, 2]
[4, 2, 5, 4, 3, 6, 5, 4, 2, 3]	[2, 4, 2, 3, 1, 5, 4, 2, 3, 4, 5]
[2, 4, 3, 5, 4, 2, 3, 4, 5, 6]	[2, 3, 1, 4, 2, 3, 4, 5, 4, 2, 6]
[6, 5, 4, 2, 3, 1, 4, 3, 5, 6]	[2, 4, 3, 1, 6, 5, 4, 2, 3, 1, 4]
[3, 1, 6, 5, 4, 2, 3, 4, 5, 6]	[2, 4, 3, 1, 5, 4, 2, 3, 1, 4, 6]
[2, 4, 2, 3, 5, 6, 5, 4, 2, 3]	[2, 4, 2, 5, 4, 3, 6, 5, 4, 2, 3]
[3, 1, 5, 6, 5, 4, 2, 3, 1, 4]	[4, 2, 5, 4, 3, 6, 5, 4, 2, 3, 1]
[3, 1, 5, 4, 2, 3, 1, 4, 5, 6]	[2, 4, 2, 5, 4, 6, 5, 4, 2, 3, 1]
[2, 4, 2, 3, 1, 5, 6, 5, 4, 2]	[2, 4, 3, 1, 5, 4, 2, 6, 5, 4, 3]
[4, 3, 1, 6, 5, 4, 2, 3, 4, 5]	[6, 5, 4, 2, 3, 1, 4, 3, 5, 4, 6]
[2, 4, 3, 1, 5, 6, 5, 4, 2, 3]	[5, 4, 2, 6, 5, 4, 2, 3, 4, 5, 6]
[4, 3, 1, 5, 4, 2, 3, 4, 5, 6]	[2, 5, 4, 2, 3, 4, 5, 6, 5, 4, 2]
[2, 5, 6, 5, 4, 2, 3, 4, 5, 6]	[5, 4, 6, 5, 4, 2, 3, 1, 4, 5, 6]
[2, 4, 2, 5, 4, 3, 6, 5, 4, 2]	[3, 1, 4, 2, 3, 4, 5, 6, 5, 4, 2]
[5, 6, 5, 4, 2, 3, 1, 4, 5, 6]	[3, 1, 4, 2, 3, 1, 4, 5, 4, 2, 6]
[2, 3, 1, 5, 4, 3, 6, 5, 4, 2]	[2, 3, 1, 4, 3, 5, 4, 6, 5, 4, 2]
[2, 4, 3, 1, 5, 4, 2, 3, 1, 6]	[2, 4, 3, 1, 5, 4, 3, 6, 5, 4, 2]
[2, 4, 3, 1, 6, 5, 4, 2, 3, 4]	[2, 4, 2, 3, 5, 4, 2, 3, 4, 5, 6]
[2, 4, 3, 1, 5, 4, 2, 3, 4, 6]	[4, 2, 5, 4, 2, 3, 6, 5, 4, 2, 3]
[4, 2, 3, 1, 4, 3, 5, 4, 2, 6]	[6, 5, 4, 2, 3, 1, 4, 3, 5, 4, 2, 6]
[5, 4, 6, 5, 4, 2, 3, 1, 4, 3]	[2, 4, 3, 1, 6, 5, 4, 2, 3, 4, 5, 6]
[2, 4, 2, 5, 6, 5, 4, 2, 3, 1]	[2, 4, 3, 1, 5, 4, 3, 6, 5, 4, 2, 3]
[2, 4, 2, 5, 4, 6, 5, 4, 2, 3]	[2, 4, 3, 1, 6, 5, 4, 2, 3, 1, 4, 3]
[4, 2, 3, 1, 4, 3, 6, 5, 4, 2]	[2, 3, 1, 4, 3, 6, 5, 4, 2, 3, 4, 5]
[5, 4, 6, 5, 4, 2, 3, 4, 5, 6]	[3, 1, 5, 6, 5, 4, 2, 3, 1, 4, 5, 6]
[1, 2, 4, 2, 5, 4, 6, 5, 4, 2]	[4, 2, 3, 1, 6, 5, 4, 2, 3, 1, 4, 5]
[2, 4, 5, 4, 6, 5, 4, 2, 3, 1]	[2, 4, 5, 4, 3, 1, 6, 5, 4, 2, 3, 4]
[3, 1, 4, 2, 3, 4, 6, 5, 4, 2]	[4, 2, 3, 1, 4, 5, 4, 3, 6, 5, 4, 2]
[3, 1, 4, 2, 3, 4, 5, 4, 2, 6]	[2, 3, 1, 4, 2, 3, 4, 5, 6, 5, 4, 2]
[2, 4, 5, 4, 3, 6, 5, 4, 2, 3]	[3, 1, 4, 3, 6, 5, 4, 2, 3, 4, 5, 6]
[2, 3, 1, 4, 3, 5, 6, 5, 4, 2]	[4, 2, 3, 1, 5, 4, 2, 3, 1, 4, 5, 6]
[2, 4, 5, 4, 3, 1, 6, 5, 4, 2]	[2, 4, 5, 4, 2, 3, 1, 6, 5, 4, 2, 3]
[6, 5, 4, 2, 3, 1, 4, 3, 5, 4, 2]	[2, 4, 3, 1, 5, 4, 2, 6, 5, 4, 2, 3]
[4, 2, 3, 1, 4, 3, 5, 4, 2, 6, 5]	[4, 3, 1, 6, 5, 4, 2, 3, 1, 4, 5, 6]
[2, 4, 3, 1, 6, 5, 4, 2, 3, 4, 5]	[2, 4, 3, 6, 5, 4, 2, 3, 1, 4, 5, 6]
[2, 4, 3, 6, 5, 4, 2, 3, 4, 5, 6]	[2, 4, 3, 1, 5, 6, 5, 4, 2, 3, 1, 4]
[3, 1, 6, 5, 4, 2, 3, 1, 4, 5, 6]	[5, 4, 3, 1, 6, 5, 4, 2, 3, 4, 5, 6]
[2, 4, 3, 1, 5, 4, 2, 3, 4, 5, 6]	[2, 3, 1, 4, 3, 1, 5, 4, 6, 5, 4, 2]
[3, 1, 5, 6, 5, 4, 2, 3, 4, 5, 6]	[2, 4, 2, 3, 1, 5, 4, 3, 6, 5, 4, 2]
[3, 1, 4, 3, 6, 5, 4, 2, 3, 4, 5]	[2, 4, 2, 3, 1, 6, 5, 4, 2, 3, 4, 5]
[2, 4, 2, 5, 4, 3, 1, 6, 5, 4, 2]	[2, 4, 3, 1, 6, 5, 4, 2, 3, 1, 4, 5]
[2, 4, 3, 1, 5, 6, 5, 4, 2, 3, 4]	[2, 4, 2, 3, 1, 5, 4, 2, 3, 4, 5, 6]
[4, 2, 3, 1, 4, 3, 5, 6, 5, 4, 2]	[2, 4, 3, 1, 5, 4, 2, 3, 1, 4, 3, 6]
[3, 1, 4, 3, 5, 4, 2, 3, 4, 5, 6]	[2, 4, 3, 1, 5, 4, 2, 3, 1, 4, 5, 6]
[3, 1, 4, 2, 3, 1, 4, 6, 5, 4, 2]	[3, 1, 5, 4, 2, 3, 4, 5, 6, 5, 4, 2]
[4, 3, 1, 6, 5, 4, 2, 3, 1, 4, 5]	[2, 5, 4, 3, 6, 5, 4, 2, 3, 4, 5, 6]
[4, 3, 1, 6, 5, 4, 2, 3, 4, 5, 6]	[5, 6, 5, 4, 2, 3, 1, 4, 3, 5, 4, 2]
[2, 4, 3, 1, 5, 6, 5, 4, 2, 3, 1]	[2, 4, 2, 3, 1, 4, 3, 5, 4, 2, 6, 5]
[4, 3, 1, 5, 4, 2, 3, 1, 4, 5, 6]	[6, 5, 4, 2, 3, 1, 4, 3, 5, 4, 6, 5]
[2, 4, 5, 4, 3, 1, 6, 5, 4, 2, 3]	[4, 6, 5, 4, 2, 3, 1, 4, 3, 5, 4, 2]

Table 8: Conjugacy Classes Associated with *e*6 (continued).

Conjugacy Classes	Conjugacy Classes	Conjugacy Classes	Conjugacy Classes
[3, 1, 4, 2, 3, 1, 4, 5, 6, 5, 4, 2]	[3, 1, 5, 4, 2, 3, 1, 4, 3, 5, 6, 5, 4, 2]	[2, 4, 2, 3, 1, 4, 5, 4, 3, 6, 5, 4, 2, 3, 1]	[2, 4, 3, 1, 5, 4, 2, 3, 1, 4, 3, 5, 6, 5, 4, 2]
[2, 3, 1, 4, 3, 5, 4, 2, 3, 4, 5, 6]	[4, 2, 5, 4, 3, 1, 6, 5, 4, 2, 3, 4, 5, 6]	[3, 1, 4, 3, 6, 5, 4, 2, 3, 1, 4, 3, 5, 4, 2]	[4, 2, 3, 1, 4, 3, 5, 4, 3, 1, 6, 5, 4, 2, 3, 1]
[2, 4, 3, 1, 5, 4, 3, 1, 6, 5, 4, 2]	[2, 4, 2, 3, 1, 5, 4, 3, 6, 5, 4, 2, 3, 1]	[3, 1, 4, 3, 5, 4, 2, 3, 1, 4, 3, 5, 4, 2, 6]	[2, 4, 2, 3, 1, 4, 3, 5, 4, 3, 1, 6, 5, 4, 2, 3]
[4, 2, 5, 4, 2, 3, 4, 5, 6, 5, 4, 2]	[2, 4, 3, 1, 5, 4, 3, 6, 5, 4, 2, 3, 4, 5]	[2, 4, 3, 1, 5, 4, 2, 3, 4, 6, 5, 4, 2, 3, 4]	[3, 1, 4, 2, 3, 4, 5, 4, 2, 3, 1, 4, 3, 6, 5, 4, 2]
[2, 4, 2, 5, 4, 2, 3, 6, 5, 4, 2, 3]	[5, 4, 2, 3, 1, 6, 5, 4, 2, 3, 1, 4, 5, 6]	[2, 3, 1, 5, 4, 2, 3, 4, 5, 6, 5, 4, 2, 3, 4]	[2, 3, 4, 3, 1, 6, 5, 4, 2, 3, 1, 4, 3, 5, 4, 2, 6]
[4, 2, 3, 1, 4, 3, 5, 4, 2, 3, 6, 5]	[2, 4, 5, 4, 2, 3, 1, 6, 5, 4, 2, 3, 1, 4]	[2, 3, 1, 4, 2, 3, 1, 4, 5, 4, 2, 3, 4, 5, 6]	[2, 5, 4, 3, 1, 6, 5, 4, 2, 3, 1, 4, 3, 5, 4, 2, 6]
[2, 4, 2, 3, 6, 5, 4, 2, 3, 4, 5, 6]	[3, 1, 6, 5, 4, 2, 3, 1, 4, 3, 5, 4, 2, 6]	[2, 4, 2, 5, 6, 5, 4, 2, 3, 1, 4, 3, 5, 4, 2]	[2, 4, 3, 1, 5, 4, 2, 3, 4, 6, 5, 4, 2, 3, 1, 4, 3]
[2, 3, 4, 2, 3, 4, 5, 4, 2, 3, 4, 5]	[2, 6, 5, 4, 2, 3, 1, 4, 3, 5, 4, 2, 6, 5]	[2, 4, 2, 3, 1, 4, 3, 5, 4, 3, 6, 5, 4, 2, 3]	[4, 2, 5, 4, 2, 3, 1, 6, 5, 4, 2, 3, 1, 4, 3, 5, 6]
[4, 2, 3, 1, 4, 3, 6, 5, 4, 2, 3, 4, 5]	[2, 3, 1, 5, 4, 3, 6, 5, 4, 2, 3, 4, 5, 6]	[2, 3, 1, 5, 4, 2, 3, 1, 4, 6, 5, 4, 2, 3, 4]	[2, 4, 3, 5, 4, 6, 5, 4, 2, 3, 1, 4, 3, 5, 4, 2, 6]
[4, 2, 3, 1, 4, 3, 5, 4, 2, 3, 4, 5, 6]	[2, 4, 3, 1, 5, 4, 2, 3, 4, 5, 6, 5, 4, 2]	[2, 4, 3, 1, 5, 4, 2, 3, 6, 5, 4, 2, 3, 4, 5]	[2, 4, 2, 5, 4, 6, 5, 4, 2, 3, 1, 4, 3, 5, 4, 2, 6]
[4, 2, 5, 4, 2, 3, 4, 5, 6, 5, 4, 2, 3]	[2, 4, 5, 4, 2, 3, 6, 5, 4, 2, 3, 1, 4, 3]	[2, 4, 6, 5, 4, 2, 3, 1, 4, 3, 5, 4, 2, 6, 5]	[2, 3, 1, 5, 4, 2, 3, 1, 4, 3, 5, 6, 5, 4, 2, 3, 4]
[2, 4, 2, 3, 1, 4, 3, 5, 4, 6, 5, 4, 2]	[2, 4, 5, 4, 3, 1, 6, 5, 4, 2, 3, 1, 4, 3]	[4, 2, 3, 1, 5, 4, 3, 6, 5, 4, 2, 3, 4, 5, 6]	[2, 3, 5, 4, 2, 3, 1, 4, 3, 6, 5, 4, 2, 3, 4, 5, 6]
[2, 4, 2, 3, 1, 5, 4, 3, 6, 5, 4, 2, 3]	[2, 4, 2, 3, 1, 4, 3, 5, 4, 3, 6, 5, 4, 2]	[2, 4, 2, 3, 1, 4, 3, 5, 4, 3, 1, 6, 5, 4, 2]	[4, 2, 3, 5, 4, 6, 5, 4, 2, 3, 1, 4, 3, 5, 4, 2, 6]
[2, 4, 3, 1, 5, 4, 3, 6, 5, 4, 2, 3, 1]	[2, 4, 2, 3, 1, 6, 5, 4, 2, 3, 1, 4, 5, 6]	[4, 3, 1, 5, 4, 2, 3, 1, 4, 3, 5, 6, 5, 4, 2]	[2, 4, 3, 1, 5, 4, 2, 3, 4, 5, 6, 5, 4, 2, 3, 1, 4]
[4, 2, 3, 1, 6, 5, 4, 2, 3, 1, 4, 5, 6]	[2, 5, 4, 3, 1, 6, 5, 4, 2, 3, 1, 4, 5, 6]	[2, 4, 3, 1, 5, 4, 6, 5, 4, 2, 3, 1, 4, 3, 5]	[2, 3, 1, 5, 4, 3, 6, 5, 4, 2, 3, 1, 4, 3, 5, 4, 2]
[2, 4, 5, 4, 2, 3, 1, 6, 5, 4, 2, 3, 4]	[2, 4, 2, 3, 1, 4, 5, 4, 3, 6, 5, 4, 2, 3]	[4, 2, 3, 1, 4, 3, 5, 4, 3, 6, 5, 4, 2, 3, 1]	[2, 3, 5, 4, 2, 3, 1, 4, 3, 6, 5, 4, 2, 3, 4, 5, 6]
[2, 4, 5, 4, 2, 3, 1, 6, 5, 4, 2, 3, 1]	[2, 4, 5, 6, 5, 4, 2, 3, 1, 4, 3, 5, 4, 2]	[3, 5, 4, 2, 3, 1, 4, 3, 5, 6, 5, 4, 2, 3, 4]	[2, 4, 3, 1, 5, 4, 2, 3, 4, 5, 6, 5, 4, 2, 3, 4, 5]
[2, 3, 1, 5, 4, 2, 3, 4, 5, 6, 5, 4, 2]	[3, 1, 5, 4, 3, 6, 5, 4, 2, 3, 1, 4, 5, 6]	[2, 3, 4, 2, 3, 1, 4, 6, 5, 4, 2, 3, 4, 5, 6]	[4, 2, 3, 5, 4, 3, 1, 6, 5, 4, 2, 3, 1, 4, 3, 5, 6]
[2, 6, 5, 4, 2, 3, 1, 4, 3, 5, 4, 2, 6]	[3, 4, 3, 6, 5, 4, 2, 3, 1, 4, 3, 5, 4, 2]	[2, 3, 4, 3, 1, 6, 5, 4, 2, 3, 1, 4, 3, 5, 4, 2]	[2, 4, 3, 5, 4, 2, 6, 5, 4, 2, 3, 1, 4, 3, 5, 4, 2]
[2, 3, 1, 4, 3, 6, 5, 4, 2, 3, 4, 5, 6]	[2, 3, 1, 4, 2, 3, 4, 6, 5, 4, 2, 3, 4, 5]	[5, 4, 3, 1, 6, 5, 4, 2, 3, 1, 4, 3, 5, 4, 2, 6]	[3, 1, 5, 4, 2, 3, 1, 4, 3, 6, 5, 4, 2, 3, 4, 5, 6]
[5, 4, 3, 1, 6, 5, 4, 2, 3, 1, 4, 5, 6]	[2, 3, 1, 4, 2, 3, 4, 5, 4, 2, 3, 4, 5, 6]	[4, 2, 5, 4, 6, 5, 4, 2, 3, 1, 4, 3, 5, 4, 2, 6]	[2, 3, 1, 5, 4, 2, 3, 1, 4, 6, 5, 4, 2, 3, 4, 5, 6]
[2, 5, 4, 3, 6, 5, 4, 2, 3, 1, 4, 5, 6]	[2, 3, 4, 2, 3, 1, 4, 5, 4, 2, 3, 4, 5, 6]	[2, 4, 3, 1, 6, 5, 4, 2, 3, 1, 4, 3, 5, 4, 2, 6]	[2, 3, 5, 4, 2, 3, 1, 4, 3, 6, 5, 4, 2, 3, 4, 5, 6]
[2, 4, 5, 4, 3, 1, 6, 5, 4, 2, 3, 1, 4]	[2, 4, 3, 1, 5, 4, 2, 3, 4, 6, 5, 4, 2, 3]	[4, 2, 5, 4, 3, 1, 6, 5, 4, 2, 3, 1, 4, 3, 5, 6]	[2, 4, 3, 1, 5, 4, 2, 3, 4, 5, 6, 5, 4, 2, 3, 1, 4]
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[2, 4, 2, 3, 1, 6, 5, 4, 2, 3, 1, 4, 5]	[4, 2, 3, 1, 5, 4, 2, 3, 4, 5, 6, 5, 4, 2]	[3, 5, 4, 2, 3, 1, 4, 3, 6, 5, 4, 2, 3, 4, 5, 6]	[5, 4, 2, 3, 1, 6, 5, 4, 2, 3, 1, 4, 3, 5, 4, 2, 6]
[2, 4, 3, 1, 5, 4, 2, 3, 4, 6, 5, 4, 2]	[3, 1, 4, 2, 5, 4, 2, 3, 4, 5, 6, 5, 4, 2]	[2, 4, 3, 1, 5, 4, 3, 1, 6, 5, 4, 2, 3, 4, 5, 6]	[2, 4, 5, 4, 2, 3, 1, 4, 3, 6, 5, 4, 2, 3, 4, 5, 6]
[2, 4, 2, 3, 1, 5, 4, 2, 3, 1, 4, 5, 6]	[4, 2, 3, 1, 4, 3, 5, 4, 3, 1, 6, 5, 4, 2]	[4, 2, 5, 4, 2, 3, 1, 6, 5, 4, 2, 3, 1, 4, 5, 6]	[2, 4, 2, 3, 1, 5, 6, 5, 4, 2, 3, 1, 4, 3, 5, 4, 2]
[2, 4, 2, 3, 1, 4, 5, 4, 3, 6, 5, 4, 2]	[2, 4, 2, 3, 5, 4, 2, 3, 4, 6, 5, 4, 2, 3]	[2, 4, 5, 6, 5, 4, 2, 3, 1, 4, 3, 5, 4, 2, 6, 5]	[2, 4, 2, 3, 1, 6, 5, 4, 2, 3, 1, 4, 3, 5, 4, 2, 6]
[2, 4, 2, 3, 1, 6, 5, 4, 2, 3, 4, 5, 6]	[2, 3, 4, 2, 3, 1, 4, 6, 5, 4, 2, 3, 4, 5]	[2, 4, 2, 3, 1, 5, 4, 2, 6, 5, 4, 2, 3, 1, 4, 5]	[2, 4, 3, 1, 5, 6, 5, 4, 2, 3, 1, 4, 3, 5, 4, 2, 6]
[2, 4, 3, 1, 6, 5, 4, 2, 3, 1, 4, 5, 6]	[3, 4, 3, 5, 4, 2, 3, 1, 4, 3, 5, 4, 2, 6]	[4, 6, 5, 4, 2, 3, 1, 4, 3, 5, 4, 2, 6, 5, 4, 3]	[4, 2, 3, 5, 4, 3, 1, 6, 5, 4, 2, 3, 1, 4, 3, 5, 6]
[2, 5, 4, 3, 1, 6, 5, 4, 2, 3, 4, 5, 6]	[5, 6, 5, 4, 2, 3, 1, 4, 3, 5, 4, 2, 6, 5, 4]	[3, 1, 4, 3, 6, 5, 4, 2, 3, 1, 4, 3, 5, 4, 2, 6]	[4, 2, 5, 4, 2, 3, 1, 4, 3, 6, 5, 4, 2, 3, 4, 5, 6]
[6, 5, 4, 2, 3, 1, 4, 3, 5, 4, 2, 6, 5]	[4, 2, 5, 4, 3, 6, 5, 4, 2, 3, 1, 4, 3, 5, 6]	[4, 2, 5, 4, 2, 3, 6, 5, 4, 2, 3, 1, 4, 3, 5, 6]	[5, 4, 2, 3, 1, 6, 5, 4, 2, 3, 1, 4, 3, 5, 4, 2, 6]
[3, 1, 5, 4, 2, 3, 1, 4, 5, 6, 5, 4, 2]	[5, 4, 2, 3, 1, 4, 3, 6, 5, 4, 2, 3, 4, 5, 6]	[2, 3, 1, 5, 4, 2, 3, 4, 6, 5, 4, 2, 3, 4, 5, 6]	[2, 4, 5, 4, 2, 3, 1, 4, 3, 6, 5, 4, 2, 3, 4, 5, 6]
[3, 1, 5, 4, 3, 6, 5, 4, 2, 3, 4, 5, 6]	[4, 3, 1, 6, 5, 4, 2, 3, 1, 4, 3, 5, 4, 2, 6]	[4, 2, 5, 6, 5, 4, 2, 3, 1, 4, 3, 5, 4, 2, 6, 5]	[2, 4, 2, 3, 1, 5, 6, 5, 4, 2, 3, 1, 4, 3, 5, 4, 2]
[2, 3, 1, 4, 2, 3, 4, 5, 4, 2, 3, 4, 5]	[2, 4, 2, 3, 1, 6, 5, 4, 2, 3, 1, 4, 3, 5, 6]	[2, 3, 1, 5, 4, 2, 3, 1, 4, 5, 6, 5, 4, 2, 3, 4]	[2, 4, 2, 3, 1, 6, 5, 4, 2, 3, 1, 4, 3, 5, 4, 2, 6]
[3, 1, 6, 5, 4, 2, 3, 1, 4, 3, 5, 4, 2]	[4, 2, 5, 4, 2, 3, 1, 6, 5, 4, 2, 3, 4, 5, 6]	[2, 3, 5, 4, 3, 6, 5, 4, 2, 3, 1, 4, 3, 5, 4, 6]	[2, 4, 3, 1, 5, 6, 5, 4, 2, 3, 1, 4, 3, 5, 4, 2, 6]
[3, 1, 5, 4, 2, 3, 1, 4, 3, 5, 4, 2, 6]	[4, 2, 3, 1, 4, 3, 5, 4, 3, 1, 6, 5, 4, 2]	[2, 4, 3, 1, 5, 4, 2, 3, 4, 5, 6, 5, 4, 2, 3, 4]	[3, 1, 4, 2, 3, 4, 5, 6, 5, 4, 2, 3, 1, 4, 3, 5, 4, 2]
[4, 2, 5, 4, 3, 6, 5, 4, 2, 3, 4, 5, 6]	[2, 4, 2, 3, 5, 4, 2, 3, 4, 6, 5, 4, 2, 3]	[2, 5, 4, 2, 3, 1, 6, 5, 4, 2, 3, 1, 4, 3, 5, 6]	[3, 1, 4, 2, 3, 4, 5, 4, 2, 3, 1, 4, 3, 5, 6, 5, 4, 2]
[2, 4, 3, 1, 5, 4, 2, 6, 5, 4, 2, 3, 4]	[2, 3, 4, 2, 3, 1, 4, 6, 5, 4, 2, 3, 4, 5]	[2, 4, 2, 3, 1, 5, 4, 3, 6, 5, 4, 2, 3, 4, 5, 6]	[4, 2, 3, 1, 4, 3, 6, 5, 4, 2, 3, 1, 4, 3, 5, 4, 6, 5]
[4, 6, 5, 4, 2, 3, 1, 4, 3, 5, 4, 2, 6]	[3, 4, 3, 5, 4, 2, 3, 1, 4, 3, 5, 4, 2, 6]	[2, 4, 3, 1, 5, 4, 3, 6, 5, 4, 2, 3, 1, 4, 3, 5]	[2, 4, 3, 1, 5, 4, 2, 3, 4, 5, 6, 5, 4, 2, 3, 1, 4, 3]
[4, 2, 3, 1, 4, 3, 5, 4, 6, 5, 4, 2, 3]	[5, 4, 2, 3, 1, 6, 5, 4, 2, 3, 1, 4, 3, 5, 6]	[2, 4, 2, 5, 6, 5, 4, 2, 3, 1, 4, 3, 5, 4, 2, 6]	[2, 4, 2, 3, 1, 5, 4, 2, 3, 4, 6, 5, 4, 2, 3, 1, 4, 3]
[4, 2, 3, 1, 4, 5, 4, 3, 6, 5, 4, 2, 3]	[3, 1, 4, 2, 5, 4, 3, 6, 5, 4, 2, 3, 4, 5, 6]	[2, 4, 2, 3, 1, 4, 3, 5, 4, 3, 6, 5, 4, 2, 3, 1]	[2, 4, 3, 1, 5, 4, 3, 6, 5, 4, 2, 3, 1, 4, 3, 5, 4, 6]
[2, 4, 2, 3, 5, 4, 2, 3, 4, 6, 5, 4, 3]	[2, 4, 2, 3, 1, 5, 4, 2, 6, 5, 4, 2, 3, 4, 5]	[3, 1, 5, 4, 2, 3, 1, 4, 3, 5, 6, 5, 4, 2, 3, 4]	[2, 4, 2, 3, 1, 5, 6, 5, 4, 2, 3, 1, 4, 3, 5, 4, 2, 6]
[4, 2, 3, 5, 4, 2, 3, 4, 6, 5, 4, 2, 3]	[2, 3, 1, 4, 2, 3, 4, 6, 5, 4, 2, 3, 4, 5]	[2, 4, 3, 5, 4, 6, 5, 4, 2, 3, 1, 4, 3, 5, 4, 2]	[2, 4, 5, 6, 5, 4, 2, 3, 1, 4, 3, 5, 4, 2, 6, 5, 4, 3]
[4, 3, 1, 6, 5, 4, 2, 3, 1, 4, 3, 5, 4, 2]	[3, 1, 5, 6, 5, 4, 2, 3, 1, 4, 3, 5, 4, 2, 6]	[2, 4, 3, 1, 5, 4, 2, 3, 4, 6, 5, 4, 2, 3, 1, 4]	[2, 4, 2, 3, 5, 4, 6, 5, 4, 2, 3, 1, 4, 3, 5, 4, 2, 6]
[4, 2, 3, 1, 4, 3, 5, 4, 3, 6, 5, 4, 2, 3]	[4, 2, 3, 5, 4, 2, 3, 6, 5, 4, 2, 3, 4, 5, 6]	[4, 2, 3, 5, 4, 2, 3, 1, 6, 5, 4, 2, 3, 4, 5, 6]	[2, 4, 2, 5, 4, 6, 5, 4, 2, 3, 1, 4, 3, 5, 4, 2, 6, 5]
[2, 4, 3, 1, 5, 4, 2, 6, 5, 4, 2, 3, 4, 5]	[2, 4, 2, 3, 1, 5, 4, 2, 3, 4, 5, 6, 5, 4, 2]	[2, 3, 1, 4, 2, 3, 1, 4, 6, 5, 4, 2, 3, 4, 5, 6]	[2, 3, 1, 5, 4, 3, 6, 5, 4, 2, 3, 1, 4, 3, 5, 4, 2, 6]
[4, 2, 5, 4, 2, 3, 6, 5, 4, 2, 3, 4, 5, 6]	[2, 5, 4, 2, 3, 1, 6, 5, 4, 2, 3, 1, 4, 5, 6]	[4, 3, 1, 5, 6, 5, 4, 2, 3, 1, 4, 3, 5, 4, 2, 6]	[2, 4, 5, 4, 3, 1, 6, 5, 4, 2, 3, 1, 4, 3, 5, 4, 2, 6]
[4, 3, 1, 5, 4, 2, 3, 1, 4, 3, 5, 4, 2, 6]	[4, 2, 3, 1, 4, 3, 5, 4, 3, 1, 6, 5, 4, 2]	[5, 4, 2, 3, 1, 4, 3, 6, 5, 4, 2, 3, 1, 4, 5, 6]	[2, 4, 2, 3, 1, 5, 4, 2, 3, 4, 5, 6, 5, 4, 2, 3, 4, 5]
[4, 2, 3, 1, 4, 3, 6, 5, 4, 2, 3, 4, 5, 6]	[2, 4, 5, 6, 5, 4, 2, 3, 1, 4, 3, 5, 4, 2, 6]	[2, 4, 2, 3, 1, 6, 5, 4, 2, 3, 1, 4, 3, 5, 4, 2]	[2, 4, 2, 5, 4, 2, 3, 1, 4, 3, 6, 5, 4, 2, 3, 4, 5, 6]
[2, 4, 2, 3, 1, 6, 5, 4, 2, 3, 1, 4, 3, 5]	[2, 4, 5, 4, 2, 3, 1, 6, 5, 4, 2, 3, 1, 4, 3]	[2, 4, 2, 3, 1, 5, 6, 5, 4, 2, 3, 1, 4, 3, 5, 4, 2]	[2, 4, 3, 1, 5, 4, 2, 3, 4, 5, 6, 5, 4, 2, 3, 4, 5, 6]
[2, 4, 2, 3, 1, 5, 4, 2, 3, 1, 4, 3, 5, 6]	[2, 5, 4, 2, 3, 1, 6, 5, 4, 2, 3, 1, 4, 5, 6]	[2, 4, 2, 3, 1, 5, 4, 2, 3, 1, 4, 3, 5, 4, 2, 6]	[3, 1, 5, 4, 3, 1, 6, 5, 4, 2, 3, 1, 4, 3, 5, 4, 2, 6]
[2, 3, 4, 2, 3, 4, 6, 5, 4, 2, 3, 4, 5, 6]			

Table 8: Conjugacy Classes Associated with *e6* (continued).   **Table 8:** Conjugacy Classes Associated with *e6* (continued).

Conjugacy Classes
[2, 3, 1, 4, 3, 5, 6, 5, 4, 2, 3, 1, 4, 3, 5, 4, 2, 6]
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[2, 3, 5, 4, 3, 1, 6, 5, 4, 2, 3, 1, 4, 3, 5, 4, 2, 6]
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[2, 4, 2, 3, 1, 4, 3, 5, 4, 2, 3, 4, 5, 6, 5, 4, 2, 3, 4, 5]
[2, 4, 2, 3, 5, 4, 3, 6, 5, 4, 2, 3, 1, 4, 3, 5, 4, 2, 6, 5]
[2, 4, 2, 5, 6, 5, 4, 2, 3, 1, 4, 3, 5, 4, 2, 6, 5, 4, 3, 1]
[2, 4, 3, 5, 4, 2, 3, 1, 6, 5, 4, 2, 3, 1, 4, 3, 5, 4, 2, 6]
[2, 4, 2, 3, 1, 5, 4, 3, 6, 5, 4, 2, 3, 1, 4, 3, 5, 4, 6, 5]
[2, 4, 3, 1, 5, 4, 2, 3, 1, 6, 5, 4, 2, 3, 1, 4, 3, 5, 4, 2]
[2, 4, 2, 3, 1, 4, 3, 5, 4, 2, 3, 6, 5, 4, 2, 3, 1, 4, 5, 6]
[4, 5, 4, 2, 6, 5, 4, 2, 3, 1, 4, 3, 5, 4, 2, 6, 5, 4, 3, 1]

Conjugacy Classes
[2, 4, 3, 1, 5, 4, 2, 3, 6, 5, 4, 2, 3, 1, 4, 3, 5, 4, 2, 6]
[2, 3, 4, 2, 3, 1, 4, 3, 6, 5, 4, 2, 3, 1, 4, 3, 5, 4, 6, 5]
[3, 1, 4, 2, 3, 4, 5, 6, 5, 4, 2, 3, 1, 4, 3, 5, 4, 2, 6, 5, 4]
[3, 1, 5, 4, 2, 3, 1, 4, 3, 5, 6, 5, 4, 2, 3, 1, 4, 3, 5, 4, 2]
[4, 3, 1, 5, 4, 2, 3, 4, 5, 6, 5, 4, 2, 3, 1, 4, 3, 5, 4, 2, 6]
[2, 3, 1, 4, 2, 3, 1, 4, 5, 6, 5, 4, 2, 3, 1, 4, 3, 5, 4, 2, 6]
[2, 3, 1, 4, 2, 3, 1, 4, 3, 5, 4, 2, 3, 1, 4, 3, 5, 6, 5, 4, 2]
[2, 4, 2, 3, 1, 5, 4, 2, 3, 1, 4, 6, 5, 4, 2, 3, 1, 4, 3, 5, 6]
[2, 4, 2, 3, 1, 5, 4, 2, 3, 4, 5, 6, 5, 4, 2, 3, 1, 4, 3, 5, 6]
[2, 4, 2, 3, 1, 5, 4, 2, 3, 1, 4, 5, 6, 5, 4, 2, 3, 1, 4, 3, 5]
[2, 4, 2, 3, 1, 5, 4, 2, 3, 4, 6, 5, 4, 2, 3, 1, 4, 3, 5, 4, 2]
[2, 4, 3, 1, 5, 4, 2, 3, 4, 5, 6, 5, 4, 2, 3, 1, 4, 3, 5, 4, 2]
[2, 4, 2, 3, 1, 4, 3, 5, 4, 2, 3, 6, 5, 4, 2, 3, 1, 4, 3, 5, 6]
[3, 1, 4, 2, 3, 4, 5, 4, 2, 3, 4, 5, 6, 5, 4, 2, 3, 1, 4, 5, 6]
[2, 4, 2, 3, 1, 5, 6, 5, 4, 2, 3, 1, 4, 3, 5, 4, 2, 6, 5, 4, 3]
[2, 4, 2, 3, 1, 5, 4, 3, 6, 5, 4, 2, 3, 1, 4, 3, 5, 4, 2, 6, 5]
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[2, 4, 2, 3, 5, 4, 2, 3, 6, 5, 4, 2, 3, 1, 4, 3, 5, 4, 2, 6, 5]
[2, 4, 2, 3, 1, 4, 3, 5, 4, 2, 3, 4, 5, 6, 5, 4, 2, 3, 4, 5, 6]
[2, 4, 3, 5, 4, 2, 3, 1, 4, 6, 5, 4, 2, 3, 1, 4, 3, 5, 4, 2, 6]
[2, 4, 3, 1, 5, 6, 5, 4, 2, 3, 1, 4, 3, 5, 4, 2, 6, 5, 4, 3, 1]
[2, 4, 3, 1, 5, 4, 2, 3, 6, 5, 4, 2, 3, 1, 4, 3, 5, 4, 2, 6, 5]
[2, 4, 2, 3, 1, 6, 5, 4, 2, 3, 1, 4, 3, 5, 4, 2, 6, 5, 4, 3, 1]
[2, 4, 2, 5, 4, 2, 3, 1, 4, 3, 5, 4, 2, 6, 5, 4, 2, 3, 1, 4, 3]
[3, 1, 4, 3, 1, 5, 4, 2, 3, 1, 6, 5, 4, 2, 3, 1, 4, 3, 5, 4, 2]
[2, 3, 4, 2, 3, 1, 4, 5, 4, 2, 3, 1, 4, 3, 5, 4, 6, 5, 4, 3, 1]
[3, 1, 5, 4, 2, 3, 4, 5, 6, 5, 4, 2, 3, 1, 4, 3, 5, 4, 2, 6, 5, 4]
[2, 3, 1, 4, 2, 3, 1, 4, 3, 5, 6, 5, 4, 2, 3, 1, 4, 3, 5, 4, 2, 6]
[2, 3, 1, 4, 2, 3, 1, 4, 5, 6, 5, 4, 2, 3, 1, 4, 3, 5, 4, 2, 6, 5]
[2, 3, 1, 4, 2, 3, 1, 4, 3, 5, 4, 2, 3, 1, 4, 3, 5, 4, 6, 5, 4, 2]
[2, 4, 3, 1, 5, 4, 2, 3, 4, 5, 6, 5, 4, 2, 3, 1, 4, 3, 5, 4, 2, 6]
[2, 4, 2, 3, 1, 5, 4, 2, 3, 4, 6, 5, 4, 2, 3, 1, 4, 3, 5, 4, 2, 6]
[2, 4, 3, 1, 5, 4, 2, 3, 4, 6, 5, 4, 2, 3, 1, 4, 3, 5, 4, 2, 6, 5]
[2, 4, 2, 3, 1, 5, 4, 2, 3, 1, 4, 5, 6, 5, 4, 2, 3, 1, 4, 3, 5, 6]
[2, 4, 2, 3, 1, 5, 4, 2, 3, 4, 5, 6, 5, 4, 2, 3, 1, 4, 3, 5, 4, 2]
[2, 4, 2, 3, 1, 5, 4, 2, 3, 1, 4, 6, 5, 4, 2, 3, 1, 4, 3, 5, 4, 2]
[2, 4, 2, 3, 1, 4, 3, 5, 4, 3, 6, 5, 4, 2, 3, 1, 4, 3, 5, 4, 6, 5]
[2, 3, 1, 4, 3, 1, 5, 4, 6, 5, 4, 2, 3, 1, 4, 3, 5, 4, 2, 6, 5, 4]
[3, 1, 4, 3, 5, 4, 2, 3, 6, 5, 4, 2, 3, 1, 4, 3, 5, 4, 2, 6, 5, 4]
[3, 4, 3, 1, 5, 4, 2, 3, 4, 5, 6, 5, 4, 2, 3, 1, 4, 3, 5, 4, 2, 6]
[2, 3, 4, 3, 1, 5, 4, 2, 3, 4, 5, 6, 5, 4, 2, 3, 1, 4, 3, 5, 4, 6]
[2, 4, 3, 1, 5, 4, 3, 6, 5, 4, 2, 3, 1, 4, 3, 5, 4, 2, 6, 5, 4, 3]
[2, 3, 1, 4, 3, 5, 4, 3, 6, 5, 4, 2, 3, 1, 4, 3, 5, 4, 2, 6, 5, 4]
[2, 4, 2, 3, 1, 5, 4, 2, 3, 6, 5, 4, 2, 3, 1, 4, 3, 5, 4, 2, 6, 5]
[3, 4, 3, 1, 5, 4, 2, 3, 1, 4, 5, 6, 5, 4, 2, 3, 1, 4, 3, 5, 4, 2]
[2, 3, 4, 3, 1, 5, 4, 2, 3, 1, 4, 5, 6, 5, 4, 2, 3, 1, 4, 3, 5, 4]
[1, 2, 3, 1, 4, 2, 3, 1, 4, 3, 6, 5, 4, 2, 3, 1, 4, 3, 5, 4, 2, 6]
[3, 1, 4, 2, 3, 4, 5, 4, 2, 3, 1, 4, 5, 6, 5, 4, 2, 3, 1, 4, 5, 6]
[4, 2, 3, 1, 5, 4, 2, 3, 1, 4, 5, 6, 5, 4, 2, 3, 1, 4, 3, 5, 4, 2, 6]
[2, 4, 2, 3, 1, 5, 4, 2, 3, 4, 5, 6, 5, 4, 2, 3, 1, 4, 3, 5, 4, 2, 6]
[2, 4, 3, 1, 5, 4, 2, 3, 4, 5, 6, 5, 4, 2, 3, 1, 4, 3, 5, 4, 2, 6, 5]
[2, 4, 2, 3, 1, 5, 4, 2, 3, 1, 4, 6, 5, 4, 2, 3, 1, 4, 3, 5, 4, 2, 6]
[2, 4, 2, 3, 1, 5, 4, 2, 3, 1, 4, 5, 6, 5, 4, 2, 3, 1, 4, 3, 5, 4, 2]
[2, 3, 1, 4, 3, 1, 5, 4, 2, 3, 6, 5, 4, 2, 3, 1, 4, 3, 5, 4, 2, 6, 5]

Table 8: Conjugacy Classes Associated with *e*6 (continued).

Conjugacy Classes
[2, 3, 1, 4, 3, 5, 4, 3, 1, 6, 5, 4, 2, 3, 1, 4, 3, 5, 4, 2, 6, 5, 4]
[2, 4, 3, 1, 5, 4, 2, 3, 6, 5, 4, 2, 3, 1, 4, 3, 5, 4, 2, 6, 5, 4, 3]
[2, 3, 1, 4, 3, 5, 4, 2, 3, 6, 5, 4, 2, 3, 1, 4, 3, 5, 4, 2, 6, 5, 4]
[2, 3, 4, 2, 3, 1, 4, 3, 5, 4, 2, 3, 1, 4, 3, 5, 4, 6, 5, 4, 2, 3, 1, 4, 5, 6]
[2, 3, 4, 2, 3, 1, 4, 6, 5, 4, 2, 3, 1, 4, 3, 5, 4, 2, 6, 5, 4, 3, 1]
[3, 1, 4, 3, 1, 5, 4, 2, 3, 4, 5, 6, 5, 4, 2, 3, 1, 4, 3, 5, 4, 2, 6]
[3, 1, 4, 3, 1, 5, 4, 2, 3, 1, 4, 5, 6, 5, 4, 2, 3, 1, 4, 3, 5, 4, 2]
[2, 3, 1, 4, 3, 1, 5, 4, 2, 3, 1, 4, 5, 6, 5, 4, 2, 3, 1, 4, 3, 5, 4]
[2, 3, 4, 3, 1, 5, 4, 2, 3, 1, 4, 5, 6, 5, 4, 2, 3, 1, 4, 3, 5, 4, 2]
[2, 4, 2, 3, 1, 5, 4, 2, 6, 5, 4, 2, 3, 1, 4, 3, 5, 4, 2, 6, 5, 4, 3]
[2, 3, 4, 2, 3, 1, 4, 3, 5, 4, 2, 6, 5, 4, 2, 3, 1, 4, 3, 5, 4, 2, 6]
[2, 3, 4, 3, 1, 5, 4, 2, 3, 4, 5, 6, 5, 4, 2, 3, 1, 4, 3, 5, 4, 6, 5]
[2, 4, 2, 3, 1, 5, 4, 2, 3, 1, 4, 5, 6, 5, 4, 2, 3, 1, 4, 3, 5, 4, 2, 6]
[2, 3, 1, 4, 3, 5, 4, 2, 3, 1, 6, 5, 4, 2, 3, 1, 4, 3, 5, 4, 2, 6, 5, 4]
[4, 2, 3, 1, 4, 3, 5, 4, 2, 3, 1, 4, 6, 5, 4, 2, 3, 1, 4, 3, 5, 4, 2, 6]
[2, 4, 3, 1, 5, 4, 2, 3, 4, 6, 5, 4, 2, 3, 1, 4, 3, 5, 4, 2, 6, 5, 4, 3]
[3, 1, 4, 3, 1, 5, 4, 2, 3, 1, 4, 5, 6, 5, 4, 2, 3, 1, 4, 3, 5, 4, 2, 6]
[2, 3, 4, 2, 3, 1, 4, 3, 5, 4, 2, 6, 5, 4, 2, 3, 1, 4, 3, 5, 4, 2, 6, 5]
[2, 4, 2, 3, 1, 4, 3, 5, 4, 2, 3, 4, 5, 6, 5, 4, 2, 3, 1, 4, 3, 5, 4, 2]
[2, 3, 1, 4, 3, 1, 5, 4, 2, 3, 4, 5, 6, 5, 4, 2, 3, 1, 4, 3, 5, 4, 2, 6]
[2, 3, 1, 4, 3, 1, 5, 4, 2, 3, 1, 4, 5, 6, 5, 4, 2, 3, 1, 4, 3, 5, 4, 2]
[2, 3, 1, 4, 3, 1, 5, 4, 2, 3, 4, 5, 6, 5, 4, 2, 3, 1, 4, 3, 5, 4, 6, 5]
[2, 3, 4, 3, 1, 5, 4, 2, 3, 4, 5, 6, 5, 4, 2, 3, 1, 4, 3, 5, 4, 2, 6, 5]
[1, 2, 4, 2, 3, 1, 5, 4, 2, 3, 4, 5, 6, 5, 4, 2, 3, 1, 4, 3, 5, 4, 2, 6]
[4, 2, 3, 1, 4, 3, 5, 4, 2, 3, 1, 4, 5, 6, 5, 4, 2, 3, 1, 4, 3, 5, 4, 2, 6]
[1, 2, 4, 2, 3, 1, 5, 4, 2, 3, 1, 4, 5, 6, 5, 4, 2, 3, 1, 4, 3, 5, 4, 2, 6]
[2, 4, 2, 3, 1, 4, 5, 4, 2, 3, 1, 4, 5, 6, 5, 4, 2, 3, 1, 4, 3, 5, 4, 2, 6]
[2, 4, 2, 3, 1, 4, 3, 5, 4, 2, 3, 4, 5, 6, 5, 4, 2, 3, 1, 4, 3, 5, 4, 2, 6]
[2, 4, 2, 3, 1, 4, 3, 5, 4, 2, 3, 1, 4, 5, 6, 5, 4, 2, 3, 1, 4, 3, 5, 4, 2]
[2, 3, 1, 4, 3, 1, 5, 4, 2, 3, 4, 5, 6, 5, 4, 2, 3, 1, 4, 3, 5, 4, 2, 6, 5]
[2, 4, 2, 3, 1, 4, 3, 5, 4, 2, 3, 1, 4, 5, 6, 5, 4, 2, 3, 1, 4, 3, 5, 4, 2, 6]

Table 8: Conjugacy Classes Associated with e6 (continued).

Conjugacy Classes	Conjugacy Classes
[ ]	[5, 4, 2, 6, 5, 4, 3, 1]
[6]	[2, 4, 2, 3, 6, 5, 4, 2]
[2]	[2, 4, 3, 6, 5, 4, 2, 3]
[6, 5]	[2, 3, 1, 4, 3, 6, 5, 4, 2]
[4, 2]	[2, 4, 3, 1, 6, 5, 4, 2, 3]
[2, 3]	[3, 1, 6, 5, 4, 2, 3, 1, 4]
[2, 6]	[2, 4, 3, 1, 5, 4, 2, 3, 4]
[4, 6]	[2, 4, 2, 3, 1, 6, 5, 4, 2]
[4, 2, 3]	[4, 2, 5, 4, 3, 6, 5, 4, 2]
[5, 4, 2]	[2, 4, 3, 1, 5, 4, 2, 3, 4, 5]

Conjugacy Classes	
[4, 2, 6]	[4, 2, 5, 4, 3, 6, 5, 4, 2, 3]
[2, 6, 5]	[4, 2, 3, 1, 4, 3, 6, 5, 4, 2]
[6, 5, 4]	[2, 3, 1, 5, 4, 3, 6, 5, 4, 2]
[2, 3, 1]	[2, 4, 3, 1, 6, 5, 4, 2, 3, 4]
[1, 4, 2]	[3, 1, 4, 2, 3, 4, 6, 5, 4, 2]
[2, 3, 6]	[6, 5, 4, 2, 3, 1, 4, 3, 5, 4, 2]
[3, 1, 6]	[2, 4, 3, 1, 6, 5, 4, 2, 3, 4, 5]
[1, 4, 6]	[3, 1, 4, 3, 6, 5, 4, 2, 3, 4, 5]
[6, 5, 4, 2]	[4, 2, 5, 4, 3, 6, 5, 4, 2, 3, 1]
[4, 2, 3, 1]	[4, 2, 5, 4, 2, 3, 6, 5, 4, 2, 3]
[5, 4, 2, 3]	[2, 4, 2, 3, 1, 5, 4, 2, 3, 4, 5]
[1, 4, 2, 6]	[2, 3, 1, 4, 2, 3, 4, 6, 5, 4, 2]
[1, 5, 4, 2]	[2, 4, 3, 1, 6, 5, 4, 2, 3, 1, 4]
[4, 2, 3, 6]	[2, 4, 3, 1, 5, 4, 3, 6, 5, 4, 2]
[2, 3, 1, 6]	[2, 3, 4, 2, 3, 4, 5, 4, 2, 3, 4, 5]
[3, 1, 6, 5]	[4, 6, 5, 4, 2, 3, 1, 4, 3, 5, 4, 2]
[5, 4, 3, 1]	[2, 4, 3, 1, 5, 4, 3, 6, 5, 4, 2, 3]
[4, 3, 1, 6]	[2, 3, 1, 4, 3, 6, 5, 4, 2, 3, 4, 5]
[2, 3, 6, 5]	[2, 4, 3, 1, 6, 5, 4, 2, 3, 1, 4, 3]
[4, 2, 3, 1, 6]	[4, 2, 3, 1, 6, 5, 4, 2, 3, 1, 4, 5]
[5, 4, 2, 3, 1]	[2, 4, 3, 1, 6, 5, 4, 2, 3, 1, 4, 5]
[1, 6, 5, 4, 2]	[2, 4, 2, 3, 1, 6, 5, 4, 2, 3, 4, 5]
[6, 5, 4, 2, 3]	[2, 4, 2, 3, 1, 5, 4, 3, 6, 5, 4, 2]
[6, 5, 4, 3, 1]	[5, 6, 5, 4, 2, 3, 1, 4, 3, 5, 4, 2]
[2, 3, 1, 6, 5]	[4, 2, 3, 1, 4, 3, 6, 5, 4, 2, 3, 4, 5]
[2, 5, 4, 2, 3]	[2, 4, 2, 3, 1, 5, 4, 3, 6, 5, 4, 2, 3]
[2, 4, 3, 5, 4, 2]	[2, 4, 3, 1, 5, 4, 3, 6, 5, 4, 2, 3, 1]
[2, 5, 4, 2, 3, 1]	[2, 4, 3, 1, 5, 4, 2, 3, 4, 6, 5, 4, 2]
[6, 5, 4, 2, 3, 1]	[2, 4, 2, 3, 1, 6, 5, 4, 2, 3, 1, 4, 5]
[4, 2, 5, 4, 2, 3]	[2, 3, 1, 4, 2, 3, 4, 5, 4, 2, 3, 4, 5]
[2, 6, 5, 4, 2, 3]	[4, 2, 3, 5, 4, 2, 3, 4, 6, 5, 4, 2, 3]
[2, 4, 3, 1, 5, 4, 2]	[3, 1, 6, 5, 4, 2, 3, 1, 4, 3, 5, 4, 2]
[2, 4, 2, 3, 5, 4, 2]	[4, 3, 1, 6, 5, 4, 2, 3, 1, 4, 3, 5, 4, 2]
[2, 4, 3, 6, 5, 4, 2]	[2, 4, 2, 3, 1, 6, 5, 4, 2, 3, 1, 4, 3, 5]
[3, 1, 5, 4, 2, 3, 4]	[3, 4, 3, 6, 5, 4, 2, 3, 1, 4, 3, 5, 4, 2]
[2, 6, 5, 4, 2, 3, 1]	[2, 4, 2, 3, 1, 5, 4, 3, 6, 5, 4, 2, 3, 1]
[5, 4, 2, 6, 5, 4, 3]	[2, 4, 3, 1, 5, 4, 2, 3, 4, 5, 6, 5, 4, 2]
[2, 4, 3, 5, 4, 2, 3]	[2, 3, 1, 4, 2, 3, 4, 6, 5, 4, 2, 3, 4, 5]
[2, 4, 3, 1, 6, 5, 4, 2]	[2, 3, 4, 2, 3, 1, 4, 6, 5, 4, 2, 3, 4, 5]
[2, 4, 2, 3, 5, 4, 2, 3]	[2, 4, 5, 6, 5, 4, 2, 3, 1, 4, 3, 5, 4, 2]
[3, 1, 6, 5, 4, 2, 3, 4]	[2, 4, 3, 1, 6, 5, 4, 2, 3, 1, 4, 3, 5, 4, 2]
[2, 3, 1, 4, 3, 5, 4, 2]	[2, 4, 3, 1, 5, 4, 2, 3, 4, 6, 5, 4, 2, 3, 4]
[2, 4, 2, 3, 1, 5, 4, 2]	[2, 4, 2, 3, 1, 5, 4, 2, 3, 4, 5, 6, 5, 4, 2]

Table 9: Conjugacy Classes Associated with e7.

Conjugacy Classes
[2, 3, 1, 5, 4, 2, 3, 1, 4, 6, 5, 4, 2, 3, 4]
[3, 1, 4, 3, 6, 5, 4, 2, 3, 1, 4, 3, 5, 4, 2]
[2, 4, 2, 5, 6, 5, 4, 2, 3, 1, 4, 3, 5, 4, 2]
[2, 3, 4, 3, 1, 6, 5, 4, 2, 3, 1, 4, 3, 5, 4, 2]
[2, 4, 3, 1, 5, 4, 2, 3, 4, 5, 6, 5, 4, 2, 3, 4]
[2, 4, 3, 1, 5, 4, 2, 3, 4, 6, 5, 4, 2, 3, 1, 4]
[2, 4, 2, 3, 1, 6, 5, 4, 2, 3, 1, 4, 3, 5, 4, 2]
[2, 4, 3, 1, 5, 4, 2, 3, 1, 4, 3, 5, 6, 5, 4, 2]
[3, 1, 4, 2, 3, 4, 5, 4, 2, 3, 1, 4, 3, 6, 5, 4, 2]
[2, 4, 3, 1, 5, 4, 2, 3, 4, 6, 5, 4, 2, 3, 1, 4, 3]
[2, 3, 1, 5, 4, 3, 6, 5, 4, 2, 3, 1, 4, 3, 5, 4, 2]
[2, 4, 3, 1, 5, 4, 2, 3, 4, 5, 6, 5, 4, 2, 3, 1, 4]
[2, 4, 2, 3, 1, 5, 4, 2, 3, 1, 4, 3, 5, 6, 5, 4, 2]
[3, 1, 4, 2, 3, 4, 5, 6, 5, 4, 2, 3, 1, 4, 3, 5, 4, 2]
[2, 4, 2, 3, 1, 5, 4, 2, 3, 4, 6, 5, 4, 2, 3, 1, 4, 3]
[2, 4, 5, 4, 2, 3, 1, 4, 3, 5, 4, 2, 6, 5, 4, 2, 3, 1]
[2, 4, 3, 1, 5, 4, 2, 3, 4, 5, 6, 5, 4, 2, 3, 4, 5, 6]
[3, 1, 5, 4, 2, 3, 4, 5, 6, 5, 4, 2, 3, 1, 4, 3, 5, 4, 2]
[2, 4, 2, 3, 1, 4, 3, 5, 4, 2, 3, 4, 5, 6, 5, 4, 2, 3, 1]
[2, 4, 2, 3, 1, 5, 4, 2, 3, 4, 5, 6, 5, 4, 2, 3, 4, 5, 6]
[3, 1, 5, 4, 2, 3, 4, 5, 6, 5, 4, 2, 3, 1, 4, 3, 5, 4, 2, 6]
[4, 3, 1, 5, 4, 2, 3, 4, 5, 6, 5, 4, 2, 3, 1, 4, 3, 5, 4, 2]
[2, 4, 2, 3, 1, 5, 4, 2, 3, 1, 4, 6, 5, 4, 2, 3, 1, 4, 3, 5]
[3, 1, 5, 4, 2, 3, 1, 4, 3, 5, 6, 5, 4, 2, 3, 1, 4, 3, 5, 4, 2]
[2, 4, 2, 3, 1, 5, 4, 2, 3, 1, 4, 5, 6, 5, 4, 2, 3, 1, 4, 3, 5]
[2, 4, 3, 1, 5, 4, 2, 3, 4, 5, 6, 5, 4, 2, 3, 1, 4, 3, 5, 4, 2]
[3, 1, 4, 2, 3, 4, 5, 4, 2, 3, 4, 5, 6, 5, 4, 2, 3, 1, 4, 5, 6]
[2, 4, 2, 3, 1, 4, 3, 5, 4, 2, 3, 4, 5, 6, 5, 4, 2, 3, 4, 5, 6]
[3, 1, 5, 4, 2, 3, 4, 5, 6, 5, 4, 2, 3, 1, 4, 3, 5, 4, 2, 6, 5, 4]
[2, 4, 2, 3, 1, 5, 4, 2, 3, 4, 5, 6, 5, 4, 2, 3, 1, 4, 3, 5, 4, 2]
[2, 4, 2, 3, 1, 5, 4, 2, 3, 1, 4, 5, 6, 5, 4, 2, 3, 1, 4, 3, 5, 6]
[3, 4, 3, 1, 5, 4, 2, 3, 1, 4, 5, 6, 5, 4, 2, 3, 1, 4, 3, 5, 4, 2]
[2, 4, 2, 3, 1, 5, 4, 2, 3, 4, 5, 6, 5, 4, 2, 3, 1, 4, 3, 5, 4, 2, 6]
[2, 4, 2, 3, 1, 5, 4, 2, 3, 1, 4, 5, 6, 5, 4, 2, 3, 1, 4, 3, 5, 4, 2]
[2, 3, 1, 4, 3, 5, 4, 2, 3, 6, 5, 4, 2, 3, 1, 4, 3, 5, 4, 2, 6, 5, 4]
[3, 1, 4, 3, 1, 5, 4, 2, 3, 1, 4, 5, 6, 5, 4, 2, 3, 1, 4, 3, 5, 4, 2]
[2, 4, 2, 3, 1, 5, 4, 2, 3, 1, 4, 5, 6, 5, 4, 2, 3, 1, 4, 3, 5, 4, 2, 6]
[3, 1, 4, 3, 1, 5, 4, 2, 3, 1, 4, 5, 6, 5, 4, 2, 3, 1, 4, 3, 5, 4, 2, 6]
[2, 3, 1, 4, 3, 1, 5, 4, 2, 3, 4, 5, 6, 5, 4, 2, 3, 1, 4, 3, 5, 4, 2, 6]
[1, 2, 4, 2, 3, 1, 5, 4, 2, 3, 4, 5, 6, 5, 4, 2, 3, 1, 4, 3, 5, 4, 2, 6]
[2, 4, 2, 3, 1, 4, 3, 5, 4, 2, 3, 4, 5, 6, 5, 4, 2, 3, 1, 4, 3, 5, 4, 2, 6]
[2, 4, 2, 3, 1, 4, 3, 5, 4, 2, 3, 1, 4, 5, 6, 5, 4, 2, 3, 1, 4, 3, 5, 4, 2]
[2, 3, 1, 4, 3, 1, 5, 4, 2, 3, 4, 5, 6, 5, 4, 2, 3, 1, 4, 3, 5, 4, 2, 6, 5]
[2, 4, 2, 3, 1, 4, 3, 5, 4, 2, 3, 1, 4, 5, 6, 5, 4, 2, 3, 1, 4, 3, 5, 4, 2, 6]

Table 9: Conjugacy Classes Associated with *e7* (continued).

Conjugacy Classes C	Length	|C n D*(e)|
[ ]	0	1
[6]	1	36
[6, 5]	2	240
[4, 6]	2	1620
[5, 4, 2]	3	270
[4, 2, 6]	3	5184
[2, 3, 6]	3	1440
[6, 5, 4, 2]	4	4320
[4, 3, 1, 6]	4	3240
[3, 1, 6, 5]	4	480
[5, 4, 2, 3]	4	540
[2, 3, 1, 6]	4	1440
[6, 5, 4, 3, 1]	5	45

Conjugacy Classes C	Length	|C n D*(e)|
[4, 2, 3, 1, 6]	5	5184
[2, 3, 1, 6, 5]	5	5760
[5, 4, 2, 3, 1]	5	4320
[6, 5, 4, 2, 3, 1]	6	720
[4, 2, 5, 4, 2, 3]	6	1440
[3, 1, 5, 4, 2, 3, 4]	7	4320
[3, 1, 6, 5, 4, 2, 3, 4]	8	1440
[2, 3, 4, 2, 3, 4, 5, 4, 2, 3, 4, 5]	12	6480
[4, 2, 3, 1, 6, 5, 4, 2, 3, 1, 4, 5]	12	2160
[2, 3, 1, 4, 2, 3, 4, 5, 4, 2, 3, 4, 5]	13	540
[2, 3, 1, 4, 2, 3, 4, 6, 5, 4, 2, 3, 4, 5]	14	540
[3, 1, 4, 3, 1, 5, 4, 2, 3, 1, 4, 5, 6, 5, 4, 2, 3, 1, 4, 3, 5, 4, 2, 6]	24	80

Table 10: Conjugacy Classes Associated with *e8*.

Description of tables

For simplicity we identify a conjugacy class with an individual representative element of that class, so we list only one representative for each class. Eleven tables are used to display necessary information. The first table is a summary of the classes associated with each idempotent; the rest display all the classes. Table 1 displays the number of conjugacy classes associated with each $e \in \Lambda$, and the parabolic subgroups W^* (e) and W_* (e). The notation $I, \ldots, j$ in the table means the subgroup $s_i, \ldots, s_j$ of W generated by $s_i, \ldots, s_j$ where $1 \le i; j \le 6$. table 1. Table 1 displays the representatives of classes associated with idempotent e_{i-2} where $2 \le i \le 10$. For convenience, the conjugacy class 0 is listed in Table 2. Notation $[p, q, \ldots, r]$ in Table 1 mean $[p, q, :::, r] = s_p s_q \ldots s_r e_{i-2}$, for $1 \le p, q, \ldots, r \le 6$ and $i = 2; :::; 10$: A special case is $[\ ] = e_{i-2}$. For example, in Table 3, $[1, 3, 1, 4, 3] = s_1 s_3 s_1 s_4 s_3 e_1$ and $[\ ] = e_1$. Tables 4-10 shows conjugacy classes associated with e_2 to e_8 respectively.

Acknowledgments

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