Tables

We put $q = u^2$.

Poincaré polynomials C_w for type A_1.

C_w	w
1	$[\emptyset, s_1, 1]$
$1+q$	$[\emptyset, 1, 1]$
$1+q$	$[\emptyset, s_1, s_1]$
$1+q+q^2$	$[\{1\}, 1, 1]$
$1+2\,q+q^2$	$[\emptyset, 1, s_1]$
$1+q+q^2+q^3$	$[\{1\}, 1, s_1]$

Poincaré polynomials C_v for $v = [D, 1, 1]$

C_v	Type
$1+q+q^2$	A_1
$1+4q+9q^2+9q^3+4q^4+q^5$	A_2
$1+6q+17q^2+24q^3+17q^4+6q^5+q^6$	B_2
$1+10q+33q^2+64q^3+80q^4+64q^5+33q^6+10q^7+q^8$	G_2
$1+11q+56q^2+154q^3+250q^4+250q^5+154q^6+56q^7+11q^8+q^9$	A_3
$1+23q+181q^2+770q^3+2046q^4+3610q^5+4350q^6+$ $3610q^7+2046q^8+770q^9+181q^{10}+23q^{11}+q^{12}$	B_3

Case A_2, c_{wv} for $v = [D, 1, 1]$

In the tables we have left out all cases where c_{wv} equals zero or one. Observe there is some duplication caused by the symmetry which interchanges s_1 with s_2.

c_{wv}	w	v
$1+q$	$[\emptyset, s_1s_2, 1]$	$[\{1,2\}, 1, 1]$
$1+q$	$[\emptyset, s_1s_2, s_2]$	$[\{1,2\}, 1, 1]$
$1+q$	$[\emptyset, s_2s_1, 1]$	$[\{1,2\}, 1, 1]$
$1+q$	$[\emptyset, s_2s_1, s_1]$	$[\{1,2\}, 1, 1]$
$1+q$	$[\emptyset, s_1s_2s_1, s_1]$	$[\{1,2\}, 1, 1]$
$1+q$	$[\emptyset, s_1s_2s_1, s_2]$	$[\{1,2\}, 1, 1]$
$1+2\,q+q^2$	$[\emptyset, s_1s_2s_1, 1]$	$[\{1,2\}, 1, 1]$

Case B_2, c_{wv} for $v = [D, 1, 1]$

c_{wv}	w	v
$1+q$	$[\emptyset, s_1 s_2, 1]$	$[\{1,2\}, 1, 1]$
$1+q$	$[\emptyset, s_1 s_2, s_2]$	$[\{1,2\}, 1, 1]$
$1+q$	$[\emptyset, s_2 s_1, 1]$	$[\{1,2\}, 1, 1]$
$1+q$	$[\emptyset, s_2 s_1, s_1]$	$[\{1,2\}, 1, 1]$
$1+q$	$[\emptyset, s_1 s_2 s_1, s_2 s_1]$	$[\{1,2\}, 1, 1]$
$1+q$	$[\emptyset, s_2 s_1 s_2, s_1 s_2]$	$[\{1,2\}, 1, 1]$
$1+q$	$[\emptyset, s_1 s_2 s_1 s_2, s_1 s_2]$	$[\{1,2\}, 1, 1]$
$1+q$	$[\emptyset, s_1 s_2 s_1 s_2, s_2 s_1]$	$[\{1,2\}, 1, 1]$
$1+q$	$[\{1\}, s_2 s_1 s_2, 1]$	$[\{1,2\}, 1, 1]$
$1+q$	$[\{1\}, s_2 s_1 s_2, s_1]$	$[\{1,2\}, 1, 1]$
$1+q$	$[\{2\}, s_1 s_2 s_1, 1]$	$[\{1,2\}, 1, 1]$
$1+q$	$[\{2\}, s_1 s_2 s_1, s_2]$	$[\{1,2\}, 1, 1]$
$1+2\,q$	$[\emptyset, s_1 s_2 s_1, s_1]$	$[\{1,2\}, 1, 1]$
$1+2\,q$	$[\emptyset, s_1 s_2 s_1, s_2]$	$[\{1,2\}, 1, 1]$
$1+2\,q$	$[\emptyset, s_2 s_1 s_2, s_1]$	$[\{1,2\}, 1, 1]$
$1+2\,q$	$[\emptyset, s_2 s_1 s_2, s_2]$	$[\{1,2\}, 1, 1]$
$1+3\,q+q^2$	$[\emptyset, s_1 s_2 s_1, 1]$	$[\{1,2\}, 1, 1]$
$1+3\,q+q^2$	$[\emptyset, s_2 s_1 s_2, 1]$	$[\{1,2\}, 1, 1]$
$1+3\,q+q^2$	$[\emptyset, s_1 s_2 s_1 s_2, s_1]$	$[\{1,2\}, 1, 1]$
$1+3\,q+q^2$	$[\emptyset, s_1 s_2 s_1 s_2, s_2]$	$[\{1,2\}, 1, 1]$
$1+4\,q+3\,q^2$	$[\emptyset, s_1 s_2 s_1 s_2, 1]$	$[\{1,2\}, 1, 1]$

Case G_2, c_{wv} for $v = [D, 1, 1]$

c_{wv}	w	v
$1+q$	$[\emptyset, s_1s_2, 1]$	$[\{1,2\},1,1]$
$1+q$	$[\emptyset, s_1s_2, s_2]$	$[\{1,2\},1,1]$
$1+q$	$[\emptyset, s_2s_1, 1]$	$[\{1,2\},1,1]$
$1+q$	$[\emptyset, s_2s_1, s_1]$	$[\{1,2\},1,1]$
$1+q$	$[\emptyset, s_1s_2s_1, s_2s_1]$	$[\{1,2\},1,1]$
$1+q$	$[\emptyset, s_2s_1s_2, s_1s_2]$	$[\{1,2\},1,1]$
$1+q$	$[\emptyset, s_1s_2s_1s_2, s_2s_1s_2]$	$[\{1,2\},1,1]$
$1+q$	$[\emptyset, s_2s_1s_2s_1, s_1s_2s_1]$	$[\{1,2\},1,1]$
$1+q$	$[\emptyset, s_1s_2s_1s_2s_1, s_2s_1s_2s_1]$	$[\{1,2\},1,1]$
$1+q$	$[\emptyset, s_2s_1s_2s_1s_2, s_1s_2s_1s_2]$	$[\{1,2\},1,1]$
$1+q$	$[\emptyset, s_1s_2s_1s_2s_1s_2, s_1s_2s_1s_2]$	$[\{1,2\},1,1]$
$1+q$	$[\emptyset, s_1s_2s_1s_2s_1s_2, s_2s_1s_2s_1]$	$[\{1,2\},1,1]$
$1+q$	$[\{1\}, s_2s_1s_2, 1]$	$[\{1,2\},1,1]$
$1+q$	$[\{1\}, s_2s_1s_2, s_1]$	$[\{1,2\},1,1]$
$1+q$	$[\{1\}, s_1s_2s_1s_2, s_2]$	$[\{1,2\},1,1]$
$1+q$	$[\{1\}, s_1s_2s_1s_2, s_2s_1]$	$[\{1,2\},1,1]$
$1+q$	$[\{1\}, s_2s_1s_2s_1s_2, s_1s_2]$	$[\{1,2\},1,1]$
$1+q$	$[\{1\}, s_2s_1s_2s_1s_2, s_1s_2s_1]$	$[\{1,2\},1,1]$
$1+q$	$[\{2\}, s_1s_2s_1, 1]$	$[\{1,2\},1,1]$
$1+q$	$[\{2\}, s_1s_2s_1, s_2]$	$[\{1,2\},1,1]$
$1+q$	$[\{2\}, s_2s_1s_2s_1, s_1]$	$[\{1,2\},1,1]$
$1+q$	$[\{2\}, s_2s_1s_2s_1, s_1s_2]$	$[\{1,2\},1,1]$
$1+q$	$[\{2\}, s_1s_2s_1s_2s_1, s_2s_1]$	$[\{1,2\},1,1]$
$1+q$	$[\{2\}, s_1s_2s_1s_2s_1, s_2s_1s_2]$	$[\{1,2\},1,1]$
$1+2\,q$	$[\emptyset, s_1s_2s_1, s_1]$	$[\{1,2\},1,1]$
$1+2\,q$	$[\emptyset, s_1s_2s_1, s_2]$	$[\{1,2\},1,1]$
$1+2\,q$	$[\emptyset, s_2s_1s_2, s_1]$	$[\{1,2\},1,1]$
$1+2\,q$	$[\emptyset, s_2s_1s_2, s_2]$	$[\{1,2\},1,1]$
$1+2\,q$	$[\emptyset, s_1s_2s_1s_2, s_1s_2]$	$[\{1,2\},1,1]$
$1+2\,q$	$[\emptyset, s_1s_2s_1s_2, s_2s_1]$	$[\{1,2\},1,1]$
$1+2\,q$	$[\emptyset, s_2s_1s_2s_1, s_1s_2]$	$[\{1,2\},1,1]$
$1+2\,q$	$[\emptyset, s_2s_1s_2s_1, s_2s_1]$	$[\{1,2\},1,1]$
$1+2\,q$	$[\emptyset, s_1s_2s_1s_2s_1, s_1s_2s_1]$	$[\{1,2\},1,1]$
$1+2\,q$	$[\emptyset, s_1s_2s_1s_2s_1, s_2s_1s_2]$	$[\{1,2\},1,1]$
$1+2\,q$	$[\emptyset, s_2s_1s_2s_1s_2, s_1s_2s_1]$	$[\{1,2\},1,1]$
$1+2\,q$	$[\emptyset, s_2s_1s_2s_1s_2, s_2s_1s_2]$	$[\{1,2\},1,1]$

G_2 continued

c_{wv}	w	v
$1+2\,q$	$[\{1\}, s_1s_2s_1s_2, 1]$	$[\{1,2\},1,1]$
$1+2\,q$	$[\{1\}, s_1s_2s_1s_2, s_1]$	$[\{1,2\},1,1]$
$1+2\,q$	$[\{1\}, s_2s_1s_2s_1s_2, s_2]$	$[\{1,2\},1,1]$
$1+2\,q$	$[\{1\}, s_2s_1s_2s_1s_2, s_2s_1]$	$[\{1,2\},1,1]$
$1+2\,q$	$[\{2\}, s_2s_1s_2s_1, 1]$	$[\{1,2\},1,1]$
$1+2\,q$	$[\{2\}, s_2s_1s_2s_1, s_2]$	$[\{1,2\},1,1]$
$1+2\,q$	$[\{2\}, s_1s_2s_1s_2s_1, s_1]$	$[\{1,2\},1,1]$
$1+2\,q$	$[\{2\}, s_1s_2s_1s_2s_1, s_1s_2]$	$[\{1,2\},1,1]$
$1+3\,q$	$[\{1\}, s_2s_1s_2s_1s_2, 1]$	$[\{1,2\},1,1]$
$1+3\,q$	$[\{1\}, s_2s_1s_2s_1s_2, s_1]$	$[\{1,2\},1,1]$
$1+3\,q$	$[\{2\}, s_1s_2s_1s_2s_1, 1]$	$[\{1,2\},1,1]$
$1+3\,q$	$[\{2\}, s_1s_2s_1s_2s_1, s_2]$	$[\{1,2\},1,1]$
$1+3\,q+q^2$	$[\emptyset, s_1s_2s_1, 1]$	$[\{1,2\},1,1]$
$1+3\,q+q^2$	$[\emptyset, s_2s_1s_2, 1]$	$[\{1,2\},1,1]$
$1+3\,q+q^2$	$[\emptyset, s_1s_2s_1s_2s_1s_2, s_1s_2s_1]$	$[\{1,2\},1,1]$
$1+3\,q+q^2$	$[\emptyset, s_1s_2s_1s_2s_1s_2, s_2s_1s_2]$	$[\{1,2\},1,1]$
$1+4\,q+q^2$	$[\emptyset, s_1s_2s_1s_2, s_1]$	$[\{1,2\},1,1]$
$1+4\,q+q^2$	$[\emptyset, s_1s_2s_1s_2, s_2]$	$[\{1,2\},1,1]$
$1+4\,q+q^2$	$[\emptyset, s_2s_1s_2s_1, s_1]$	$[\{1,2\},1,1]$
$1+4\,q+q^2$	$[\emptyset, s_2s_1s_2s_1, s_2]$	$[\{1,2\},1,1]$
$1+4\,q+q^2$	$[\emptyset, s_1s_2s_1s_2s_1, s_1s_2]$	$[\{1,2\},1,1]$
$1+4\,q+q^2$	$[\emptyset, s_1s_2s_1s_2s_1, s_2s_1]$	$[\{1,2\},1,1]$
$1+4\,q+q^2$	$[\emptyset, s_2s_1s_2s_1s_2, s_1s_2]$	$[\{1,2\},1,1]$
$1+4\,q+q^2$	$[\emptyset, s_2s_1s_2s_1s_2, s_2s_1]$	$[\{1,2\},1,1]$
$1+5\,q+3\,q^2$	$[\emptyset, s_1s_2s_1s_2, 1]$	$[\{1,2\},1,1]$
$1+5\,q+3\,q^2$	$[\emptyset, s_2s_1s_2s_1, 1]$	$[\{1,2\},1,1]$
$1+5\,q+3\,q^2$	$[\emptyset, s_1s_2s_1s_2s_1s_2, s_1s_2]$	$[\{1,2\},1,1]$
$1+5\,q+3\,q^2$	$[\emptyset, s_1s_2s_1s_2s_1s_2, s_2s_1]$	$[\{1,2\},1,1]$
$1+6\,q+3\,q^2$	$[\emptyset, s_1s_2s_1s_2s_1, s_1]$	$[\{1,2\},1,1]$
$1+6\,q+3\,q^2$	$[\emptyset, s_1s_2s_1s_2s_1, s_2]$	$[\{1,2\},1,1]$
$1+6\,q+3\,q^2$	$[\emptyset, s_2s_1s_2s_1s_2, s_1]$	$[\{1,2\},1,1]$
$1+6\,q+3\,q^2$	$[\emptyset, s_2s_1s_2s_1s_2, s_2]$	$[\{1,2\},1,1]$
$1+7\,q+5\,q^2$	$[\emptyset, s_1s_2s_1s_2s_1, 1]$	$[\{1,2\},1,1]$
$1+7\,q+5\,q^2$	$[\emptyset, s_2s_1s_2s_1s_2, 1]$	$[\{1,2\},1,1]$
$1+7\,q+5\,q^2$	$[\emptyset, s_1s_2s_1s_2s_1s_2, s_1]$	$[\{1,2\},1,1]$
$1+7\,q+5\,q^2$	$[\emptyset, s_1s_2s_1s_2s_1s_2, s_2]$	$[\{1,2\},1,1]$
$1+8\,q+7\,q^2$	$[\emptyset, s_1s_2s_1s_2s_1s_2, 1]$	$[\{1,2\},1,1]$

A_1 affine. A sample

We restricted the lengths of elements of W to four and looked for large c_{wv}. We removed some duplication caused by the symmetry which interchanges s_1 with s_2 and thus $\{1\}$ with $\{2\}$.

c_{wv}	w	v
$1+4\,q+2\,q^2$	$[\emptyset, s_1s_2s_1s_2, 1]$	$[\{1,2\}, 1, s_1s_2]$
$1+4\,q+2\,q^2$	$[\emptyset, s_1s_2s_1s_2, s_1]$	$[\{1,2\}, 1, s_1s_2]$
$1+4\,q+2\,q^2$	$[\emptyset, s_1s_2s_1s_2, s_2s_1s_2]$	$[\{1,2\}, 1, s_1s_2s_1s_2]$
$1+4\,q+2\,q^2$	$[\emptyset, s_1s_2s_1s_2, s_1s_2s_1s_2]$	$[\{1,2\}, 1, s_1s_2s_1s_2]$
$1+4\,q+2\,q^2$	$[\emptyset, s_2s_1s_2s_1, s_2s_1]$	$[\{1,2\}, 1, s_1s_2s_1]$
$1+4\,q+2\,q^2$	$[\emptyset, s_2s_1s_2s_1, s_1s_2s_1]$	$[\{1,2\}, 1, s_1s_2s_1]$
$1+4\,q+3\,q^2$	$[\emptyset, s_1s_2s_1s_2, s_2s_1]$	$[\{1,2\}, 1, s_1s_2s_1s_2]$
$1+4\,q+3\,q^2$	$[\emptyset, s_1s_2s_1s_2, s_1s_2s_1]$	$[\{1,2\}, 1, s_1s_2s_1s_2]$
$1+4\,q+3\,q^2$	$[\emptyset, s_2s_1s_2s_1, s_2]$	$[\{1,2\}, 1, s_1s_2s_1]$
$1+4\,q+3\,q^2$	$[\emptyset, s_2s_1s_2s_1, s_1s_2]$	$[\{1,2\}, 1, s_1s_2s_1]$
$1+5\,q+3\,q^2$	$[\emptyset, s_1s_2s_1s_2, 1]$	$[\{1,2\}, 1, 1]$
$1+2\,q+q^2+q^3$	$[\{2\}, s_1s_2s_1, 1]$	$[\{1,2\}, 1, s_1s_2s_1s_2]$
$1+2\,q+q^2+q^3$	$[\{2\}, s_1s_2s_1, s_1]$	$[\{1,2\}, 1, s_1s_2s_1s_2]$
$1+2\,q+q^2+q^3$	$[\{2\}, s_2s_1s_2s_1, 1]$	$[\{1,2\}, 1, s_1s_2s_1s_2]$
$1+2\,q+q^2+q^3$	$[\{2\}, s_2s_1s_2s_1, s_1]$	$[\{1,2\}, 1, s_1s_2s_1s_2]$
$1+2\,q+2\,q^2+q^3$	$[\{1\}, s_1s_2s_1s_2, 1]$	$[\{1,2\}, 1, s_1s_2s_1s_2]$
$1+2\,q+2\,q^2+q^3$	$[\{1\}, s_1s_2s_1s_2, s_1]$	$[\{1,2\}, 1, s_1s_2s_1s_2]$
$1+2\,q+2\,q^2+q^3$	$[\{1\}, s_1s_2s_1s_2, s_2]$	$[\{1,2\}, 1, s_1s_2s_1s_2]$
$1+2\,q+2\,q^2+q^3$	$[\{1\}, s_1s_2s_1s_2, s_1s_2]$	$[\{1,2\}, 1, s_1s_2s_1s_2]$
$1+3\,q+2\,q^2+q^3$	$[\emptyset, s_1s_2s_1, 1]$	$[\{1,2\}, 1, s_1s_2s_1s_2]$
$1+3\,q+2\,q^2+q^3$	$[\emptyset, s_1s_2s_1, s_1]$	$[\{1,2\}, 1, s_1s_2s_1s_2]$
$1+3\,q+2\,q^2+q^3$	$[\emptyset, s_2s_1s_2s_1, 1]$	$[\{1,2\}, 1, s_1s_2s_1s_2]$
$1+3\,q+2\,q^2+q^3$	$[\emptyset, s_2s_1s_2s_1, s_1]$	$[\{1,2\}, 1, s_1s_2s_1s_2]$
$1+4\,q+3\,q^2+q^3$	$[\emptyset, s_2s_1s_2s_1, 1]$	$[\{1,2\}, 1, s_1s_2s_1]$
$1+4\,q+3\,q^2+q^3$	$[\emptyset, s_2s_1s_2s_1, s_1]$	$[\{1,2\}, 1, s_1s_2s_1]$
$1+4\,q+3\,q^2+2\,q^3$	$[\emptyset, s_1s_2s_1s_2, 1]$	$[\{1,2\}, 1, s_1s_2s_1s_2]$
$1+4\,q+3\,q^2+2\,q^3$	$[\emptyset, s_1s_2s_1s_2, s_1]$	$[\{1,2\}, 1, s_1s_2s_1s_2]$
$1+4\,q+3\,q^2+2\,q^3$	$[\emptyset, s_1s_2s_1s_2, s_2]$	$[\{1,2\}, 1, s_1s_2s_1s_2]$
$1+4\,q+3\,q^2+2\,q^3$	$[\emptyset, s_1s_2s_1s_2, s_1s_2]$	$[\{1,2\}, 1, s_1s_2s_1s_2]$

Dihedral group of order 10, c_{wv} for $v = [D, 1, 1]$

Again we removed duplicates. One recovers them by interchanging s_1 with s_2.

c_{wv}	w	v
$1+q$	$[\emptyset, s_1s_2, 1]$	$[\{1,2\}, 1, 1]$
$1+q$	$[\emptyset, s_1s_2, s_2]$	$[\{1,2\}, 1, 1]$
$1+q$	$[\emptyset, s_1s_2s_1, s_2s_1]$	$[\{1,2\}, 1, 1]$
$1+q$	$[\emptyset, s_1s_2s_1s_2, s_2s_1s_2]$	$[\{1,2\}, 1, 1]$
$1+q$	$[\emptyset, s_1s_2s_1s_2s_1, s_1s_2s_1]$	$[\{1,2\}, 1, 1]$
$1+q$	$[\emptyset, s_1s_2s_1s_2s_1, s_2s_1s_2]$	$[\{1,2\}, 1, 1]$
$1+q$	$[\{1\}, s_2s_1s_2, 1]$	$[\{1,2\}, 1, 1]$
$1+q$	$[\{1\}, s_2s_1s_2, s_1]$	$[\{1,2\}, 1, 1]$
$1+q$	$[\{1\}, s_1s_2s_1s_2, s_2]$	$[\{1,2\}, 1, 1]$
$1+q$	$[\{1\}, s_1s_2s_1s_2, s_2s_1]$	$[\{1,2\}, 1, 1]$
$1+2\,q$	$[\emptyset, s_1s_2s_1, s_1]$	$[\{1,2\}, 1, 1]$
$1+2\,q$	$[\emptyset, s_1s_2s_1, s_2]$	$[\{1,2\}, 1, 1]$
$1+2\,q$	$[\emptyset, s_1s_2s_1s_2, s_1s_2]$	$[\{1,2\}, 1, 1]$
$1+2\,q$	$[\emptyset, s_1s_2s_1s_2, s_2s_1]$	$[\{1,2\}, 1, 1]$
$1+2\,q$	$[\{1\}, s_1s_2s_1s_2, 1]$	$[\{1,2\}, 1, 1]$
$1+2\,q$	$[\{1\}, s_1s_2s_1s_2, s_1]$	$[\{1,2\}, 1, 1]$
$1+3\,q+q^2$	$[\emptyset, s_1s_2s_1, 1]$	$[\{1,2\}, 1, 1]$
$1+3\,q+q^2$	$[\emptyset, s_1s_2s_1s_2s_1, s_1s_2]$	$[\{1,2\}, 1, 1]$
$1+3\,q+q^2$	$[\emptyset, s_1s_2s_1s_2s_1, s_2s_1]$	$[\{1,2\}, 1, 1]$
$1+4\,q+q^2$	$[\emptyset, s_1s_2s_1s_2, s_1]$	$[\{1,2\}, 1, 1]$
$1+4\,q+q^2$	$[\emptyset, s_1s_2s_1s_2, s_2]$	$[\{1,2\}, 1, 1]$
$1+5\,q+3\,q^2$	$[\emptyset, s_1s_2s_1s_2, 1]$	$[\{1,2\}, 1, 1]$
$1+5\,q+3\,q^2$	$[\emptyset, s_1s_2s_1s_2s_1, s_1]$	$[\{1,2\}, 1, 1]$
$1+5\,q+3\,q^2$	$[\emptyset, s_1s_2s_1s_2s_1, s_2]$	$[\{1,2\}, 1, 1]$
$1+6\,q+5\,q^2$	$[\emptyset, s_1s_2s_1s_2s_1, 1]$	$[\{1,2\}, 1, 1]$

Dihedral group of order 14, c_{wv} for $v = [D, 1, 1]$

Again we removed duplicates. One recovers them by interchanging s_1 with s_2.

c_{wv}	w	v
$1+q$	$[\emptyset, s_1s_2, 1]$	$[\{1,2\},1,1]$
$1+q$	$[\emptyset, s_1s_2, s_2]$	$[\{1,2\},1,1]$
$1+q$	$[\emptyset, s_1s_2s_1, s_2s_1]$	$[\{1,2\},1,1]$
$1+q$	$[\emptyset, s_1s_2s_1s_2, s_2s_1s_2]$	$[\{1,2\},1,1]$
$1+q$	$[\emptyset, s_1s_2s_1s_2s_1, s_2s_1s_2s_1]$	$[\{1,2\},1,1]$
$1+q$	$[\emptyset, s_1s_2s_1s_2s_1s_2, s_2s_1s_2s_1s_2]$	$[\{1,2\},1,1]$
$1+q$	$[\emptyset, s_1s_2s_1s_2s_1s_2s_1, s_1s_2s_1s_2s_1]$	$[\{1,2\},1,1]$
$1+q$	$[\emptyset, s_1s_2s_1s_2s_1s_2s_1, s_2s_1s_2s_1s_2]$	$[\{1,2\},1,1]$
$1+q$	$[\{1\}, s_2s_1s_2, 1]$	$[\{1,2\},1,1]$
$1+q$	$[\{1\}, s_2s_1s_2, s_1]$	$[\{1,2\},1,1]$
$1+q$	$[\{1\}, s_1s_2s_1s_2, s_2]$	$[\{1,2\},1,1]$
$1+q$	$[\{1\}, s_1s_2s_1s_2, s_2s_1]$	$[\{1,2\},1,1]$
$1+q$	$[\{1\}, s_2s_1s_2s_1s_2, s_1s_2]$	$[\{1,2\},1,1]$
$1+q$	$[\{1\}, s_2s_1s_2s_1s_2, s_1s_2s_1]$	$[\{1,2\},1,1]$
$1+q$	$[\{1\}, s_1s_2s_1s_2s_1s_2, s_2s_1s_2]$	$[\{1,2\},1,1]$
$1+q$	$[\{1\}, s_1s_2s_1s_2s_1s_2, s_2s_1s_2s_1]$	$[\{1,2\},1,1]$
$1+2q$	$[\emptyset, s_1s_2s_1, s_1]$	$[\{1,2\},1,1]$
$1+2q$	$[\emptyset, s_1s_2s_1, s_2]$	$[\{1,2\},1,1]$
$1+2q$	$[\emptyset, s_1s_2s_1s_2, s_1s_2]$	$[\{1,2\},1,1]$
$1+2q$	$[\emptyset, s_1s_2s_1s_2, s_2s_1]$	$[\{1,2\},1,1]$
$1+2q$	$[\emptyset, s_1s_2s_1s_2s_1, s_1s_2s_1]$	$[\{1,2\},1,1]$
$1+2q$	$[\emptyset, s_1s_2s_1s_2s_1, s_2s_1s_2]$	$[\{1,2\},1,1]$
$1+2q$	$[\emptyset, s_1s_2s_1s_2s_1s_2, s_1s_2s_1s_2]$	$[\{1,2\},1,1]$
$1+2q$	$[\emptyset, s_1s_2s_1s_2s_1s_2, s_2s_1s_2s_1]$	$[\{1,2\},1,1]$
$1+2q$	$[\{1\}, s_1s_2s_1s_2, 1]$	$[\{1,2\},1,1]$
$1+2q$	$[\{1\}, s_1s_2s_1s_2, s_1]$	$[\{1,2\},1,1]$
$1+2q$	$[\{1\}, s_2s_1s_2s_1s_2, s_2]$	$[\{1,2\},1,1]$
$1+2q$	$[\{1\}, s_2s_1s_2s_1s_2, s_2s_1]$	$[\{1,2\},1,1]$
$1+2q$	$[\{1\}, s_1s_2s_1s_2s_1s_2, s_1s_2]$	$[\{1,2\},1,1]$
$1+2q$	$[\{1\}, s_1s_2s_1s_2s_1s_2, s_1s_2s_1]$	$[\{1,2\},1,1]$
$1+3q$	$[\{1\}, s_2s_1s_2s_1s_2, 1]$	$[\{1,2\},1,1]$
$1+3q$	$[\{1\}, s_2s_1s_2s_1s_2, s_1]$	$[\{1,2\},1,1]$
$1+3q$	$[\{1\}, s_1s_2s_1s_2s_1s_2, s_2]$	$[\{1,2\},1,1]$

order 14 continued

c_{wv}	w	v
$1+3\,q$	$[\{1\}, s_1s_2s_1s_2s_1s_2, s_2s_1]$	$[\{1,2\},1,1]$
$1+4\,q$	$[\{1\}, s_1s_2s_1s_2s_1s_2, 1]$	$[\{1,2\},1,1]$
$1+4\,q$	$[\{1\}, s_1s_2s_1s_2s_1s_2, s_1]$	$[\{1,2\},1,1]$
$1+3\,q+q^2$	$[\emptyset, s_1s_2s_1, 1]$	$[\{1,2\},1,1]$
$1+3\,q+q^2$	$[\emptyset, s_1s_2s_1s_2s_1s_2s_1, s_1s_2s_1s_2]$	$[\{1,2\},1,1]$
$1+3\,q+q^2$	$[\emptyset, s_1s_2s_1s_2s_1s_2s_1, s_2s_1s_2s_1]$	$[\{1,2\},1,1]$
$1+4\,q+q^2$	$[\emptyset, s_1s_2s_1s_2, s_1]$	$[\{1,2\},1,1]$
$1+4\,q+q^2$	$[\emptyset, s_1s_2s_1s_2, s_2]$	$[\{1,2\},1,1]$
$1+4\,q+q^2$	$[\emptyset, s_1s_2s_1s_2s_1, s_1s_2]$	$[\{1,2\},1,1]$
$1+4\,q+q^2$	$[\emptyset, s_1s_2s_1s_2s_1, s_2s_1]$	$[\{1,2\},1,1]$
$1+4\,q+q^2$	$[\emptyset, s_1s_2s_1s_2s_1s_2, s_1s_2s_1]$	$[\{1,2\},1,1]$
$1+4\,q+q^2$	$[\emptyset, s_1s_2s_1s_2s_1s_2, s_2s_1s_2]$	$[\{1,2\},1,1]$
$1+5\,q+3\,q^2$	$[\emptyset, s_1s_2s_1s_2, 1]$	$[\{1,2\},1,1]$
$1+5\,q+3\,q^2$	$[\emptyset, s_1s_2s_1s_2s_1s_2s_1, s_1s_2s_1]$	$[\{1,2\},1,1]$
$1+5\,q+3\,q^2$	$[\emptyset, s_1s_2s_1s_2s_1s_2s_1, s_2s_1s_2]$	$[\{1,2\},1,1]$
$1+6\,q+3\,q^2$	$[\emptyset, s_1s_2s_1s_2s_1, s_1]$	$[\{1,2\},1,1]$
$1+6\,q+3\,q^2$	$[\emptyset, s_1s_2s_1s_2s_1, s_2]$	$[\{1,2\},1,1]$
$1+6\,q+3\,q^2$	$[\emptyset, s_1s_2s_1s_2s_1s_2, s_1s_2]$	$[\{1,2\},1,1]$
$1+6\,q+3\,q^2$	$[\emptyset, s_1s_2s_1s_2s_1s_2, s_2s_1]$	$[\{1,2\},1,1]$
$1+7\,q+5\,q^2$	$[\emptyset, s_1s_2s_1s_2s_1, 1]$	$[\{1,2\},1,1]$
$1+7\,q+5\,q^2$	$[\emptyset, s_1s_2s_1s_2s_1s_2s_1, s_1s_2]$	$[\{1,2\},1,1]$
$1+7\,q+5\,q^2$	$[\emptyset, s_1s_2s_1s_2s_1s_2s_1, s_2s_1]$	$[\{1,2\},1,1]$
$1+8\,q+5\,q^2$	$[\emptyset, s_1s_2s_1s_2s_1s_2, s_1]$	$[\{1,2\},1,1]$
$1+8\,q+5\,q^2$	$[\emptyset, s_1s_2s_1s_2s_1s_2, s_2]$	$[\{1,2\},1,1]$
$1+9\,q+7\,q^2$	$[\emptyset, s_1s_2s_1s_2s_1s_2, 1]$	$[\{1,2\},1,1]$
$1+9\,q+7\,q^2$	$[\emptyset, s_1s_2s_1s_2s_1s_2s_1, s_1]$	$[\{1,2\},1,1]$
$1+9\,q+7\,q^2$	$[\emptyset, s_1s_2s_1s_2s_1s_2s_1, s_2]$	$[\{1,2\},1,1]$
$1+10\,q+9\,q^2$	$[\emptyset, s_1s_2s_1s_2s_1s_2s_1, 1]$	$[\{1,2\},1,1]$

Type A_3, sample of large c_{wv} for $v = [D, 1, 1]$

c_{wv}	w	v
$1 + 4\,q + 3\,q^2$	$[\{3\}, s_2s_1s_3s_2s_1, s_2]$	$[\{1,2,3\},1,1]$
$1 + 4\,q + 3\,q^2$	$[\{3\}, s_2s_1s_3s_2, 1]$	$[\{1,2,3\},1,1]$
$1 + 4\,q + 3\,q^2$	$[\{3\}, s_1s_3s_2s_1, 1]$	$[\{1,2,3\},1,1]$
$1 + 5\,q + 4\,q^2$	$[\emptyset, s_1s_2s_3s_2s_1, s_2]$	$[\{1,2,3\},1,1]$
$1 + 5\,q + 5\,q^2$	$[\emptyset, s_1s_2s_3s_2s_1, s_1s_3]$	$[\{1,2,3\},1,1]$
$1 + 5\,q + 5\,q^2$	$[\emptyset, s_2s_1s_3s_2, s_2]$	$[\{1,2,3\},1,1]$
$1 + 5\,q + 6\,q^2$	$[\{1\}, s_1s_2s_1s_3s_2, 1]$	$[\{1,2,3\},1,1]$
$1 + 5\,q + 6\,q^2$	$[\{3\}, s_2s_1s_3s_2s_1, 1]$	$[\{1,2,3\},1,1]$
$1 + 3\,q + 3\,q^2 + q^3$	$[\{2\}, s_1s_2s_3s_2s_1, 1]$	$[\{1,2,3\},1,1]$
$1 + 5\,q + 5\,q^2 + q^3$	$[\emptyset, s_1s_2s_1s_3s_2s_1, s_2s_1]$	$[\{1,2,3\},1,1]$
$1 + 5\,q + 5\,q^2 + q^3$	$[\emptyset, s_1s_2s_1s_3s_2s_1, s_2s_3]$	$[\{1,2,3\},1,1]$
$1 + 5\,q + 5\,q^2 + q^3$	$[\emptyset, s_1s_2s_1s_3s_2, s_1]$	$[\{1,2,3\},1,1]$
$1 + 5\,q + 5\,q^2 + q^3$	$[\emptyset, s_2s_1s_3s_2s_1, s_3]$	$[\{1,2,3\},1,1]$
$1 + 5\,q + 5\,q^2 + q^3$	$[\emptyset, s_1s_2s_3s_2, 1]$	$[\{1,2,3\},1,1]$
$1 + 5\,q + 5\,q^2 + q^3$	$[\emptyset, s_1s_3s_2s_1, 1]$	$[\{1,2,3\},1,1]$
$1 + 6\,q + 8\,q^2 + q^3$	$[\emptyset, s_1s_2s_1s_3s_2s_1, s_1s_3]$	$[\{1,2,3\},1,1]$
$1 + 6\,q + 8\,q^2 + q^3$	$[\emptyset, s_1s_2s_1s_3s_2, s_2]$	$[\{1,2,3\},1,1]$
$1 + 6\,q + 8\,q^2 + q^3$	$[\emptyset, s_1s_2s_1s_3s_2, s_3]$	$[\{1,2,3\},1,1]$
$1 + 6\,q + 8\,q^2 + q^3$	$[\emptyset, s_1s_2s_3s_2s_1, s_1]$	$[\{1,2,3\},1,1]$
$1 + 6\,q + 8\,q^2 + q^3$	$[\emptyset, s_1s_2s_3s_2s_1, s_3]$	$[\{1,2,3\},1,1]$
$1 + 6\,q + 8\,q^2 + q^3$	$[\emptyset, s_2s_1s_3s_2s_1, s_1]$	$[\{1,2,3\},1,1]$
$1 + 6\,q + 8\,q^2 + q^3$	$[\emptyset, s_2s_1s_3s_2s_1, s_2]$	$[\{1,2,3\},1,1]$
$1 + 6\,q + 8\,q^2 + q^3$	$[\emptyset, s_2s_1s_3s_2, 1]$	$[\{1,2,3\},1,1]$
$1 + 7\,q + 12\,q^2 + 4\,q^3$	$[\emptyset, s_1s_2s_1s_3s_2s_1, s_2]$	$[\{1,2,3\},1,1]$
$1 + 7\,q + 12\,q^2 + 4\,q^3$	$[\emptyset, s_1s_2s_3s_2s_1, 1]$	$[\{1,2,3\},1,1]$
$1 + 7\,q + 13\,q^2 + 4\,q^3$	$[\emptyset, s_1s_2s_1s_3s_2s_1, s_1]$	$[\{1,2,3\},1,1]$
$1 + 7\,q + 13\,q^2 + 4\,q^3$	$[\emptyset, s_1s_2s_1s_3s_2s_1, s_3]$	$[\{1,2,3\},1,1]$
$1 + 7\,q + 13\,q^2 + 4\,q^3$	$[\emptyset, s_1s_2s_1s_3s_2, 1]$	$[\{1,2,3\},1,1]$
$1 + 7\,q + 13\,q^2 + 4\,q^3$	$[\emptyset, s_2s_1s_3s_2s_1, 1]$	$[\{1,2,3\},1,1]$
$1 + 8\,q + 19\,q^2 + 10\,q^3$	$[\emptyset, s_1s_2s_1s_3s_2s_1, 1]$	$[\{1,2,3\},1,1]$

Type B_3, sample of large c_{wv} for $v = [D, 1, 1]$

c_{wv}	w
$1 + 16\,q + 53\,q^2 + 38\,q^3 + 3\,q^4$	$[\emptyset, s_1s_2s_3s_2s_1s_3s_2, s_2]$
$1 + 15\,q + 50\,q^2 + 43\,q^3 + 4\,q^4$	$[\emptyset, s_1s_2s_1s_3s_2s_1s_3s_2s_3, s_1s_2]$
$1 + 15\,q + 50\,q^2 + 43\,q^3 + 4\,q^4$	$[\emptyset, s_2s_3s_2s_1s_3s_2s_3, 1]$
$1 + 13\,q + 39\,q^2 + 30\,q^3 + 5\,q^4$	$[\{3\}, s_1s_2s_1s_3s_2s_1s_3s_2, 1]$
$1 + 17\,q + 62\,q^2 + 54\,q^3 + 6\,q^4$	$[\emptyset, s_1s_2s_3s_2s_1s_3s_2s_3, s_1s_3]$
$1 + 17\,q + 62\,q^2 + 54\,q^3 + 6\,q^4$	$[\emptyset, s_2s_1s_3s_2s_1s_3s_2, s_2]$
$1 + 16\,q + 58\,q^2 + 51\,q^3 + 7\,q^4$	$[\emptyset, s_1s_2s_1s_3s_2s_1s_3s_2s_3, s_3s_2]$
$1 + 16\,q + 58\,q^2 + 51\,q^3 + 7\,q^4$	$[\emptyset, s_1s_2s_1s_3s_2s_1s_3, 1]$
$1 + 17\,q + 62\,q^2 + 57\,q^3 + 7\,q^4$	$[\emptyset, s_1s_2s_1s_3s_2s_1s_3s_2s_3, s_2s_1]$
$1 + 17\,q + 62\,q^2 + 57\,q^3 + 7\,q^4$	$[\emptyset, s_1s_3s_2s_1s_3s_2s_3, 1]$
$1 + 18\,q + 62\,q^2 + 58\,q^3 + 7\,q^4$	$[\emptyset, s_2s_1s_3s_2s_1s_3s_2s_3, s_1]$
$1 + 17\,q + 63\,q^2 + 59\,q^3 + 9\,q^4$	$[\emptyset, s_1s_2s_1s_3s_2s_1s_3s_2s_3, s_2s_3]$
$1 + 17\,q + 63\,q^2 + 59\,q^3 + 9\,q^4$	$[\emptyset, s_1s_2s_3s_2s_1s_3s_2, 1]$
$1 + 18\,q + 71\,q^2 + 73\,q^3 + 11\,q^4$	$[\emptyset, s_2s_1s_3s_2s_1s_3s_2s_3, s_3]$
$1 + 18\,q + 71\,q^2 + 73\,q^3 + 11\,q^4$	$[\emptyset, s_1s_2s_1s_3s_2s_1s_3s_2, s_1]$
$1 + 18\,q + 74\,q^2 + 75\,q^3 + 11\,q^4$	$[\emptyset, s_1s_2s_1s_3s_2s_1s_3s_2, s_3]$
$1 + 18\,q + 74\,q^2 + 76\,q^3 + 13\,q^4$	$[\emptyset, s_1s_2s_3s_2s_1s_3s_2s_3, s_2]$
$1 + 18\,q + 71\,q^2 + 78\,q^3 + 15\,q^4$	$[\emptyset, s_2s_1s_3s_2s_1s_3s_2s_3, s_2]$
$1 + 18\,q + 71\,q^2 + 78\,q^3 + 15\,q^4$	$[\emptyset, s_1s_2s_3s_2s_1s_3s_2s_3, s_1]$
$1 + 18\,q + 72\,q^2 + 79\,q^3 + 15\,q^4$	$[\emptyset, s_1s_2s_1s_3s_2s_1s_3s_2s_3, s_1s_3]$
$1 + 18\,q + 72\,q^2 + 79\,q^3 + 15\,q^4$	$[\emptyset, s_2s_1s_3s_2s_1s_3s_2, 1]$
$1 + 18\,q + 75\,q^2 + 81\,q^3 + 16\,q^4$	$[\emptyset, s_1s_2s_3s_2s_1s_3s_2s_3, s_3]$
$1 + 18\,q + 75\,q^2 + 81\,q^3 + 16\,q^4$	$[\emptyset, s_1s_2s_1s_3s_2s_1s_3s_2, s_2]$
$1 + 19\,q + 81\,q^2 + 107\,q^3 + 29\,q^4$	$[\emptyset, s_1s_2s_1s_3s_2s_1s_3s_2s_3, s_1]$
$1 + 19\,q + 81\,q^2 + 107\,q^3 + 29\,q^4$	$[\emptyset, s_2s_1s_3s_2s_1s_3s_2s_3, 1]$
$1 + 19\,q + 85\,q^2 + 113\,q^3 + 34\,q^4 + q^5$	$[\emptyset, s_1s_2s_1s_3s_2s_1s_3s_2s_3, s_2]$
$1 + 19\,q + 85\,q^2 + 113\,q^3 + 34\,q^4 + q^5$	$[\emptyset, s_1s_2s_3s_2s_1s_3s_2s_3, 1]$
$1 + 19\,q + 86\,q^2 + 116\,q^3 + 36\,q^4 + 2\,q^5$	$[\emptyset, s_1s_2s_1s_3s_2s_1s_3s_2s_3, s_3]$
$1 + 19\,q + 86\,q^2 + 116\,q^3 + 36\,q^4 + 2\,q^5$	$[\emptyset, s_1s_2s_1s_3s_2s_1s_3s_2, 1]$
$1 + 20\,q + 96\,q^2 + 153\,q^3 + 67\,q^4 + 6\,q^5$	$[\emptyset, s_1s_2s_1s_3s_2s_1s_3s_2s_3, 1]$

Type A_2 affine, sample of large c_{wv}

We restricted the lengths of elements of W to three.

c_{wv}	w	v
$1 + 6\,q + 5\,q^2$	$[\emptyset, s_2s_1s_3, s_1]$	$[\{1,2\}, 1, s_1s_2s_3]$
$1 + 3\,q + 3\,q^2 + q^3$	$[\emptyset, s_3s_2s_1, 1]$	$[\{1,2,3\}, 1, s_1s_3s_2]$
$1 + 3\,q + 3\,q^2 + q^3$	$[\emptyset, s_3s_2s_1, s_1]$	$[\{1,2,3\}, 1, s_1s_3s_2]$

Type H_3, sample of intermediate size c_{wv} for $v = [D, 1, 1]$

For some w the computation of c_{wv} was not feasible on our machine. Therefore we just present a few c_{wv} that were still within reach. (It gets more difficult as $\dim(v) - \dim(w)$ increases.)

c_{wv}	w
$1 + 21\,q + 62\,q^2 + 33\,q^3$	$[\{1\}, s_1s_2s_1s_2s_3s_2s_1s_2s_1s_3s_2, s_1s_2s_1s_2s_1]$
$1 + 23\,q + 65\,q^2 + 33\,q^3$	$[\{3\}, s_1s_2s_3s_2s_1s_2s_1s_3s_2, s_2s_3s_2]$
$1 + 23\,q + 65\,q^2 + 33\,q^3$	$[\{3\}, s_1s_2s_1s_2s_3s_2s_1s_2s_1s_3s_2s_1, s_2s_1s_2s_3s_2s_1]$
$1 + 22\,q + 69\,q^2 + 33\,q^3$	$[\emptyset, s_1s_2s_1s_2s_3s_2s_1s_2s_1s_3, s_1s_2s_3s_2s_1]$
$1 + 22\,q + 69\,q^2 + 33\,q^3$	$[\emptyset, s_2s_1s_2s_3s_2s_1s_2s_1s_3s_2, s_2s_3s_2s_1s_2]$
$1 + 24\,q + 70\,q^2 + 34\,q^3$	$[\{3\}, s_1s_2s_3s_2s_1s_2s_1s_3s_2s_1, s_2s_3s_2s_1]$
$1 + 24\,q + 70\,q^2 + 34\,q^3$	$[\{3\}, s_1s_2s_1s_2s_3s_2s_1s_2s_1s_3s_2, s_2s_1s_2s_3s_2]$
$1 + 26\,q + 85\,q^2 + 40\,q^3$	$[\emptyset, s_2s_1s_2s_3s_2s_1s_2s_1s_3s_2, s_1s_2s_1s_2s_1]$
$1 + 26\,q + 85\,q^2 + 40\,q^3$	$[\emptyset, s_3s_2s_1s_2s_1s_3s_2s_1s_2s_3, s_1s_2s_3s_2s_1]$
$1 + 26\,q + 81\,q^2 + 44\,q^3$	$[\{3\}, s_2s_1s_2s_3s_2s_1s_2s_1s_3s_2, s_1s_2s_3s_2]$
$1 + 26\,q + 81\,q^2 + 44\,q^3$	$[\{3\}, s_2s_1s_2s_3s_2s_1s_2s_1s_3s_2s_1, s_1s_2s_3s_2s_1]$