

$A_4$					(13)(12)	(12)(13)	(13)(14)	(14)(13)	(23)(24)	(24)(23)	(14)(12)	(12)(14)
	(1)	(14)(23)	(13)(24)	(12)(34)	=	=	=	=	=	=	=	=
(1)	(1)	(14)(23)	(13)(24)	(12)(34)	(123)	(132)	(143)	(134)	(243)	(234)	(124)	(142)
(14)(23)	(14)(23)	(1)	(12)(34)	(13)(24)	(142)	(143)	(132)	(243)	(134)	(124)	(234)	(123)
(13)(24)	(13)(24)	(12)(34)	(1)	(14)(23)	(243)	(124)	(234)	(142)	(123)	(143)	(132)	(134)
(12)(34)	(12)(34)	(13)(24)	(14)(23)	(1)	(134)	(234)	(124)	(123)	(142)	(132)	(143)	(243)
(123)	(123)	(134)	(142)	(243)	(132)	(1)	(12)(34)	(124)	(143)	(13)(24)	(14)(23)	(234)
(132)	(132)	(124)	(234)	(143)	(1)	(123)	(243)	(14)(23)	(12)(34)	(142)	(134)	(13)(24)
(143)	(143)	(234)	(124)	(132)	(14)(23)	(142)	(134)	(1)	(13)(24)	(123)	(243)	(12)(34)
(134)	(134)	(123)	(243)	(142)	(234)	(12)(34)	(1)	(143)	(124)	(14)(23)	(13)(24)	(132)
(243)	(243)	(142)	(134)	(123)	(124)	(13)(24)	(14)(23)	(132)	(234)	(1)	(12)(34)	(143)
(234)	(234)	(143)	(132)	(124)	(12)(34)	(134)	(142)	(13)(24)	(1)	(243)	(123)	(14)(23)
(124)	(124)	(132)	(143)	(234)	(13)(24)	(243)	(123)	(12)(34)	(14)(23)	(134)	(142)	(1)
(142)	(142)	(243)	(123)	(134)	(143)	(14)(23)	(13)(24)	(234)	(132)	(12)(34)	(1)	(124)

Permutations are now written from right to left then also evaluated that way, so that  $(143) \circ (123) = (123)(143) = (14)(23)$ .