0 1 2 3 1 2 3 0 3 0 1 2	s ₅	Quasigroup	$\frac{p_0}{\frac{x}{0+p_0}}$	p ₁	p_2	<i>p</i> ₃	p_4	<i>p</i> ₅	<i>p</i> ₆	<i>p</i> 7	<i>p</i> 8	<i>p</i> ₉	<i>p</i> 10	P11	P12	p ₁₃	P14	P15	<i>p</i> ₁₆	<i>p</i> ₁₇	$\frac{p_{18}}{2+p_0}$	<i>p</i> ₁₉	<i>p</i> 20	<i>p</i> ₂₁	P22	p ₂₃
$\begin{array}{r} 2 & 3 & 0 & 1 \\ \hline 0 & 1 & 2 & 3 \\ 1 & 3 & 0 & 2 \\ 3 & 2 & 1 & 0 \\ \hline 2 & 0 & 3 & 1 \\ \hline 0 & 1 & 2 & 3 \end{array}$	s ₇	Right Identity Quasigroup Right Identity Quasigroup	$\frac{\mathbf{x}}{0+p_0}$	$\frac{p_0 + 0}{p_0 + 0}$							$p_0 + 1$	$1 + p_0$	$1 + p_0$	$\frac{1}{p_0 + 1}$	$\frac{1}{p_0 + 2}$	$3 + p_0$			$3 + p_0$	$p_0 + 2$	$2 + p_0$	$p_0 + 3$			$p_0 + 3$	$\overline{2+p_0}$
2 0 3 1 3 2 1 0 1 3 0 2 0 1 2 3 2 3 0 1 1 2 3 0 3 0 1 2	s ₉	Right Identity Quasigroup Right Identity	$\frac{x}{0+p_0}$ $\frac{x}{0+p_0}$		$\frac{1}{p_0 + 0}$	$\overline{p_0+0}$			$p_0 + 1$			$\frac{1}{2+p_0}$	$3 + p_0$	$\frac{1}{p_0 + 1}$		$\frac{1+p_0}{p_0+2}$			$\frac{1+p_0}{1+p_0}$	$p_0 + 2$	${3+p_0}$		$\frac{p_0+3}{p_0+3}$			$\frac{1}{2+p_0}$
$\begin{array}{c} 3012 \\ 0123 \\ 2301 \\ 3012 \\ 1230 \\ 0123 \\ 2310 \\ \end{array}$	s ₁₂	Quasigroup Right Identity Quasigroup	$\frac{\mathbf{x}}{0 + p_0}$			$p_0 + 0$						$3 + p_0$	$p_0 + 1$		$\frac{1}{p_0 + 2}$				$1 + p_0$		$\frac{1}{2+p_0}$			$p_0 + 3$		
$\begin{array}{c} 1 & 0 & 3 & 2 \\ 3 & 2 & 0 & 1 \\ 0 & 1 & 2 & 3 \\ 2 & 3 & 1 & 0 \\ 3 & 2 & 0 & 1 \\ 1 & 0 & 3 & 2 \\ 0 & 1 & 2 & 3 \end{array}$	s ₁₅	Right Identity Quasigroup Right Identity Quasigroup	$0 + p_0$ $\frac{x}{0 + p_0}$		$p_0 + 0$	$\frac{1}{p_0 + 0}$				$\frac{2+p_0}{3+p_0}$			$p_0 + 1$	$\frac{1}{p_0 + 1}$			$\frac{1}{p_0 + 2}$	$p_0 + 2$		$\frac{1+p_0}{1+p_0}$	$\frac{1}{p_0 + 3}$	$p_0 + 3$			$\frac{3+p_0}{2+p_0}$	
$\begin{array}{r} 3 & 0 & 1 & 2 \\ 1 & 2 & 3 & 0 \\ 2 & 3 & 0 & 1 \\ \hline 0 & 1 & 2 & 3 \\ 3 & 2 & 0 & 1 \\ 1 & 0 & 3 & 2 \\ \end{array}$	s ₁₆	Right Identity Quasigroup Right Identity	$\frac{x}{0+p_0}$ $\frac{x}{0+p_0}$				$\frac{\overline{p_0} + 0}{\overline{p_0} + 0}$		$p_0 + 1$	$\frac{1}{2+p_0}$	$\frac{1}{p_0 + 1}$	$\frac{1}{2+p_0}$				$\frac{1}{p_0 + 2}$		$p_0 + 2$	$3 + p_0$	${3+p_0}$	$\overline{1+p_0}$			$\frac{1}{p_0 + 3}$	$\frac{\overline{p_0 + 3}}{1 + p_0}$	
$\begin{array}{c} 2\ 3\ 1\ 0 \\ 0\ 1\ 2\ 3 \\ 3\ 2\ 0\ 1 \\ 2\ 3\ 1\ 0 \\ 1\ 0\ 3\ 2 \\ 0\ 1\ 2\ 3 \\ 3\ 2\ 1\ 0 \\ \end{array}$	s ₁₉	Quasigroup Right Identity Quasigroup	$\frac{x}{0+p_0}$					$\frac{1}{p_0 + 0}$		${3+p_0}$		$\frac{1}{p_0 + 1}$			$\frac{1}{p_0 + 2}$					$\frac{1}{2+p_0}$			$\frac{1}{p_0 + 3}$		$\frac{1+p_0}{1+p_0}$	
$\begin{array}{c} 1 & 3 & 0 & 2 \\ 2 & 0 & 3 & 1 \\ \hline 0 & 1 & 2 & 3 \\ 3 & 2 & 1 & 0 \\ 2 & 0 & 3 & 1 \\ \hline 1 & 3 & 0 & 2 \\ \hline 0 & 1 & 3 & 2 \\ \end{array}$	s ₂₁	Right Identity Quasigroup Right Identity	$\frac{0 + p_0}{\frac{x}{0 + p_0}}$				$p_0 + 0$	$\overline{p_0+0}$			$\frac{1}{p_0 + 1}$	$p_0 + 1$	$\frac{2+p_0}{3+p_0}$			$\frac{3+p_0}{2+p_0}$	$p_0 + 2$	$\overline{p_0+2}$			$\frac{1}{p_0 + 3}$	$p_0 + 3$				$\frac{1+p_0}{1+p_0}$
$ \begin{array}{c} 1 & 2 & 0 & 3 \\ 2 & 3 & 1 & 0 \\ 3 & 0 & 2 & 1 \end{array} $ $ \begin{array}{c} 0 & 1 & 3 & 2 \\ 1 & 2 & 0 & 3 \end{array} $	s ₂₈	Quasigroup Left Identity Quasigroup	$\frac{\mathbf{x}}{p_0 + 0}$	$\frac{\overline{0+p_0}}{\overline{0+p_0}}$							$\frac{1+p_0}{1+p_0}$	${p_0+1}$							$p_0 + 3$	$\frac{2+p_0}{3+p_0}$	$p_0 + 2$	$\frac{3+p_0}{2+p_0}$				
$ \begin{array}{c} 3 & 0 & 2 & 1 \\ 2 & 3 & 1 & 0 \end{array} $ $ \begin{array}{c} 0 & 1 & 3 & 2 \\ 1 & 3 & 2 & 0 \\ 2 & 0 & 1 & 3 \\ 3 & 2 & 0 & 1 \end{array} $	s ₃₀	Commutative Quasigroup Left Identity	$\frac{\mathbf{x}}{p_0 + 0}$	$\frac{\frac{1}{p_0} + 0}{\frac{1}{0 + p_0}}$							$\frac{1}{p_0+1}$		$\frac{1}{p_0 + 1}$	$\frac{1+p_0}{1+p_0}$	$\frac{1}{2+p_0}$	$\frac{1}{p_0 + 3}$				$\frac{1}{p_0+3}$		$\frac{p_0}{p_0+2}$			${3+p_0}$	$\overline{p_0+2}$
0 1 3 2 1 3 2 0 3 2 0 1 2 0 1 3	s ₃₁	Quasigroup Commutative		$\frac{\overline{0+p_0}}{p_0+0}$										$\frac{\overline{1+p_0}}{\overline{p_0+1}}$	$\frac{\overline{3+p_0}}{p_0+3}$										$\frac{\overline{2+p_0}}{p_0+2}$	
$\begin{array}{c} 2\ 0\ 1\ 3 \\ 1\ 3\ 2\ 0 \\ \hline 3\ 2\ 0\ 1 \\ \hline 0\ 1\ 3\ 2 \\ 2\ 0\ 1\ 3 \\ 3\ 2\ 0\ 1 \\ \end{array}$	s ₃₂	Quasigroup Quasigroup		$\frac{\overline{0+p_0}}{\overline{0+p_0}}$	$p_0 + 0$	$\frac{1}{p_0 + 0}$			$\frac{1}{p_0 + 1}$	$p_0 + 1$				$\frac{2+p_0}{3+p_0}$	$\frac{1+p_0}{1+p_0}$				$p_0 + 3$	$\frac{1}{p_0 + 3}$			$\frac{1}{p_0 + 2}$	$p_0 + 2$	$\frac{3+p_0}{2+p_0}$	
$\begin{array}{c} 1320 \\ 0132 \\ 2301 \\ 1023 \\ 3210 \\ 0132 \\ 2301 \end{array}$	834	Quasigroup		$\overline{0+p_0}$	$\frac{1}{p_0 + 0}$	POTE			$\frac{1}{2+p_0}$				$\frac{1}{p_0 + 1}$		20			$\frac{1}{p_0 + 3}$	$\frac{1+p_0}{1+p_0}$	P0 1 -		$\frac{1}{p_0 + 2}$	POT			$\overline{3+p_0}$
$\begin{array}{c} 3\ 2\ 1\ 0 \\ 1\ 0\ 2\ 3 \\ 0\ 1\ 3\ 2 \\ 2\ 3\ 1\ 0 \\ 1\ 2\ 0\ 3 \\ 3\ 0\ 2\ 1 \\ 0\ 1\ 3\ 2 \\ \end{array}$	s ₃₅	Quasigroup Quasigroup		$\frac{0+p_0}{0+p_0}$	${p_0 + 0}$	$p_0 + 0$			$3 + p_0$		$\frac{1}{2+p_0}$			$\frac{p_0+1}{p_0+1}$		${p_0 + 3}$	$p_0 + 3$		$1 + p_0$	$\frac{1+p_0}{1+p_0}$	$p_0 + 2$	${3+p_0}$	$\frac{1}{p_0 + 2}$			$2 + p_0$
$\begin{array}{c} 2 & 3 & 1 & 0 \\ 3 & 0 & 2 & 1 \\ 1 & 2 & 0 & 3 \\ \hline 0 & 1 & 3 & 2 \\ 3 & 0 & 2 & 1 \\ 1 & 2 & 0 & 3 \end{array}$	s ₃₈	Quasigroup Quasigroup		$\frac{\overline{0+p_0}}{\overline{0+p_0}}$		$p_0 + 0$	$\frac{1}{p_0 + 0}$		$\frac{1}{p_0 + 1}$		$\frac{3+p_0}{2+p_0}$		${p_0 + 1}$		$p_0 + 3$			$\frac{1}{p_0 + 3}$		$\frac{1+p_0}{3+p_0}$		$\frac{\overline{2+p_0}}{\overline{1+p_0}}$		${p_0 + 2}$	$\frac{1}{p_0+2}$	
$\begin{array}{c} 23\overline{10} \\ 0132 \\ 3021 \\ 2310 \\ 1203 \\ 0132 \\ 310 \\ 1320 \\ \end{array}$	841	Quasigroup		$\frac{1}{0+p_0}$				$\frac{1}{p_0 + 0}$	70 1 -	$\frac{1}{p_0 + 1}$	$\frac{1}{3+p_0}$						${p_0 + 3}$	Port		$\frac{1}{2+p_0}$		$\frac{1+p_0}{1+p_0}$				$\frac{1}{p_0 + 2}$
1 3 2 0 2 0 1 3 0 1 3 2 3 2 0 1 2 0 1 3 1 3 2 0 0 1 3 2 3 2 1 0	s ₄₃	Quasigroup Quasigroup		$\frac{0+p_0}{0+p_0}$			$p_0 + 0$	$\frac{1}{p_0 + 0}$			$\frac{1}{p_0 + 1}$	$p_0 + 1$		$\frac{2+p_0}{3+p_0}$	$\frac{3+p_0}{2+p_0}$		$p_0 + 3$	$\frac{1}{p_0 + 3}$			$\frac{1}{p_0 + 2}$	$p_0 + 2$			$\frac{1+p_0}{1+p_0}$	
$\begin{array}{r} 1 & 0 & 2 & 3 \\ 2 & 3 & 0 & 1 \\ \hline 0 & 1 & 3 & 2 \\ 3 & 2 & 1 & 0 \\ 2 & 3 & 0 & 1 \end{array}$	s ₄₆	Quasigroup Quasigroup		$\frac{\overline{0+p_0}}{\overline{0+p_0}}$			$\overline{p_0+0}$	$\frac{1}{p_0 + 0}$	$\frac{2+p_0}{3+p_0}$		$\frac{1}{p_0 + 1}$	$\frac{1}{p_0 + 1}$			$\frac{1}{p_0 + 3}$	$\frac{1}{p_0 + 3}$			$\frac{3+p_0}{2+p_0}$				$\frac{1}{p_0 + 2}$	$p_0 + 2$		$\frac{1+p_0}{1+p_0}$
$\begin{array}{c} 1023 \\ 0213 \\ 1032 \\ 3120 \\ 2301 \\ 0213 \\ 1302 \\ \end{array}$	s49	Quasigroup Quasigroup	$\frac{x}{p_0 + 0}$	$\frac{1}{p_0+0}$	$0+p_0$					$1+p_0$				$\frac{1}{p_0 + 2}$	$\frac{p_0 + 3}{p_0 + 1}$				$\frac{2+p_0}{3+p_0}$					$\frac{1}{2 + p_0}$	$\frac{1}{p_0+3}$	
$\begin{array}{c} 2 & 1 & 3 & 0 \\ 3 & 0 & 2 & 1 \\ 0 & 2 & 1 & 3 \\ 1 & 3 & 0 & 2 \\ 3 & 0 & 2 & 1 \\ 2 & 1 & 3 & 0 \\ 0 & 2 & 1 & 3 \\ 1 & 3 & 2 & 0 \end{array}$	s ₅₁	Left Identity Quasigroup	x	$\frac{1}{p_0 + 0}$	$\frac{0+p_0}{0+p_0}$				$\frac{1}{p_0+2}$	$p_0 + 2$			$\frac{1+p_0}{1+p_0}$					$\frac{2+p_0}{3+p_0}$	$\frac{1}{p_0 + 1}$	$p_0 + 1$		$\frac{3+p_0}{2+p_0}$			$p_0 + 3$	$\frac{1}{p_0 + 3}$
1 3 2 0 2 0 3 1 3 1 0 2 0 2 1 3 1 3 2 0 3 1 0 2 2 0 3 1	s ₅₄	Quasigroup Left Identity Quasigroup	$\frac{x}{p_0 + 0}$	$\frac{1}{p_0 + 0}$	$\frac{\overline{0+p_0}}{\overline{0+p_0}}$						$\frac{1}{p_0 + 2}$	$\frac{1}{p_0 + 2}$		$\frac{1+p_0}{1+p_0}$		$\frac{\overline{2+p_0}}{\overline{3+p_0}}$			$\frac{1}{p_0 + 1}$	$\frac{1}{p_0 + 1}$	$p_0 + 3$	$\frac{1}{p_0 + 3}$	$\frac{3+p_0}{2+p_0}$			
$\begin{array}{c} 0 & 2 & 1 & 3 \\ 2 & 0 & 3 & 1 \\ 1 & 3 & 2 & 0 \\ 3 & 1 & 0 & 2 \end{array}$	s ₅₇	Quasigroup Commutative			$\frac{\overline{0+p_0}}{p_0+0}$									$\frac{2+p_0}{p_0+2}$		$\frac{\overline{1+p_0}}{p_0+1}$							$\frac{3+p_0}{p_0+3}$			
$\begin{array}{c} 0\ 2\ 1\ 3 \\ 2\ 0\ 3\ 1 \\ 3\ 1\ 0\ 2 \\ 1\ 3\ 2\ 0 \\ \\ 0\ 2\ 1\ 3 \\ 2\ 1\ 3\ 0 \\ \end{array}$	s ₅₈	Quasigroup Quasigroup			$0+p_0$	$p_0 + 0$							$\frac{\overline{p_0+2}}{2+\overline{p_0}}$	$3 + p_0$	$p_0 + 1$	$\overline{1+p_0}$		$\frac{1 + p_0}{1 + p_0}$				3 + 20	$\frac{1}{2+p_0}$	$\frac{1}{p_0 + 3}$		
$ \begin{array}{c} 1 & 3 & 0 & 2 \\ 3 & 0 & 2 & 1 \end{array} $ $ \begin{array}{c} 0 & 2 & 1 & 3 \\ 2 & 1 & 3 & 0 \\ 3 & 0 & 2 & 1 \\ 1 & 3 & 0 & 2 \end{array} $	s ₆₀	Commutative Quasigroup			$\frac{0+p_0}{p_0+0}$ $\frac{0+p_0}{0+p_0}$	$\frac{1}{p_0 + 0}$							$\frac{2+p_0}{p_0+2}$ $\frac{3+p_0}{3+p_0}$	$\frac{1}{p_0+2}$			$\frac{1}{p_0 + 1}$	$\frac{1+p_0}{p_0+1}$ $\frac{1+p_0}{1+p_0}$			$\frac{1}{p_0 + 3}$	$\frac{3+p_0}{p_0+3}$ $\frac{3+p_0}{2+p_0}$				
$\begin{array}{c} 1302 \\ 0213 \\ 2301 \\ 3120 \\ 1032 \\ 0213 \\ 3021 \end{array}$	s ₆₃	Quasigroup Quasigroup			$0 + p_0$	$p_0 + 0$			$\frac{1}{p_0 + 2}$	$3 + p_0$									$\frac{1+p_0}{1+p_0}$	$p_0 + 1$			$\frac{1}{p_0 + 3}$	$\frac{1}{2+p_0}$		
$\begin{array}{c} 1\ 3\ 0\ 2\\ 2\ 1\ 3\ 0\\ 0\ 2\ 1\ 3\\ 3\ 0\ 2\ 1\\ 2\ 1\ 3\ 0\\ 1\ 3\ 0\ 2\\ 0\ 2\ 1\ 3\\ 3\ 1\ 0\ 2\\ \end{array}$	s ₆₅	Quasigroup			$\frac{0+p_0}{0+p_0}$		$p_0 + 0$	$\frac{1}{p_0 + 0}$			$p_0 + 2$	$\frac{1}{p_0 + 2}$	$\frac{2+p_0}{3+p_0}$		$\frac{1}{p_0 + 1}$	$p_0 + 1$		$\frac{3+p_0}{2+p_0}$				$\frac{1+p_0}{1+p_0}$	$p_0 + 3$	$p_0 + 3$		
$\begin{array}{r} 1 & 3 & 2 & 0 \\ 2 & 0 & 3 & 1 \\ 0 & 2 & 1 & 3 \\ 3 & 1 & 0 & 2 \end{array}$	s ₆₆	Quasigroup Quasigroup			$\frac{\overline{0+p_0}}{\overline{0+p_0}}$		$p_0 + 0$	$\frac{1}{p_0 + 0}$	$p_0 + 2$	$\frac{1}{p_0 + 2}$				$\frac{2+p_0}{3+p_0}$		$\frac{3+p_0}{2+p_0}$	$\frac{1}{p_0 + 1}$	$p_0 + 1$					$\frac{1+p_0}{1+p_0}$		$p_0 + 3$	$\frac{1}{p_0 + 3}$
2 0 3 1 1 3 2 0 0 2 1 3 3 1 2 0 1 0 3 2 2 3 0 1 0 2 1 3 3 1 2 0	s ₆₈	Quasigroup Quasigroup			$0 + p_0$		${p_0 + 0}$			$\frac{1}{2 + p_0}$		${p_0 + 2}$					$\frac{1}{p_0 + 1}$		$3 + p_0$			${p_0 + 3}$		$\frac{1+p_0}{}$		
$\begin{array}{c} 2\ 3\ 0\ 1 \\ 1\ 0\ 3\ 2 \\ 0\ 2\ 3\ 1 \\ 1\ 0\ 2\ 3 \\ 2\ 3\ 1\ 0 \\ 3\ 1\ 0\ 2 \\ 0\ 2\ 3\ 1 \\ 1\ 0\ 2\ 3 \\ \end{array}$	872	Quasigroup Left Identity	$\frac{\mathbf{x}}{p_0 + 0}$		$0 + p_0$	$0 + p_0$		$p_0 + 0$	$\frac{1+p_0}{1+p_0}$	$3 + p_0$	$p_0 + 2$		$\frac{1}{p_0 + 3}$			$\frac{1}{p_0 + 1}$		$p_0 + 1$	$2 + p_0$	$\frac{1}{2+p_0}$	$p_0 + 3$		$3 + p_0$	$1 + p_0$		${p_0+2}$
$\begin{array}{r} 3 & 1 & 0 & 2 \\ 2 & 3 & 1 & 0 \\ \hline 0 & 2 & 3 & 1 \\ 1 & 3 & 0 & 2 \end{array}$	s ₇₃	Quasigroup Quasigroup Left Identity	$\frac{\mathbf{x}}{p_0 + 0}$	$p_0 + 0$		$\frac{0+p_0}{0+p_0}$			$1 + p_0$			$\frac{1}{p_0 + 3}$	$1 + p_0$	$p_0 + 3$	$\frac{\overline{p_0+1}}{2+p_0}$				$\frac{1}{p_0 + 1}$	$3 + p_0$	$\frac{1}{p_0 + 2}$		$2 + p_0$	${3+p_0}$	$p_0 + 2$	
2 0 1 3 3 1 2 0 0 2 3 1 1 3 0 2 3 1 2 0 2 0 1 3 0 2 3 1 1 3 2 0 2 1 0 3	s ₇₅	Quasigroup Quasigroup	$\frac{\mathbf{x}}{p_0 + 0}$	$\frac{1}{p_0 + 0}$		$\frac{0+p_0}{0+p_0}$				$\frac{1}{p_0 + 3}$	$\frac{1}{p_0 + 3}$		$\frac{1+p_0}{1+p_0}$	$\frac{1+p_0}{1+p_0}$	${3+p_0}$		${2+p_{0}}$			$\frac{1}{p_0 + 1}$	${3+p_0}$	$\frac{1}{p_0 + 2}$		$\frac{1}{2+p_0}$	${p_0+2}$	
$\begin{array}{r} 3 & 0 & 1 & 2 \\ 0 & 2 & 3 & 1 \\ 1 & 3 & 2 & 0 \\ 3 & 0 & 1 & 2 \\ 2 & 1 & 0 & 3 \\ 0 & 2 & 3 & 1 \end{array}$	s ₇₈	Left Identity Quasigroup	p ₀ + 0	$\frac{1}{p_0 + 0}$		$\frac{0+p_0}{0+p_0}$			$\frac{1}{p_0 + 3}$	$p_0 + 3$				$\frac{1+p_0}{1+p_0}$			$\frac{2+p_0}{3+p_0}$		$\frac{1}{p_0 + 1}$	$p_0 + 1$	$\frac{3+p_0}{2+p_0}$				$p_0 + 2$	$\frac{1}{p_0 + 2}$
2 0 1 3 1 3 0 2 3 1 2 0 0 2 3 1 2 0 1 3 3 1 2 0	s ₈₀	Quasigroup Quasigroup Commutative			$p_0 + 0$	$\frac{0+p_0}{0+p_0}$ $\frac{0+p_0}{p_0+0}$							$\frac{\overline{3+p_0}}{\overline{p_0+3}}$	$p_0 + 3$	$\frac{1+p_0}{1+p_0}$	$p_0 + 1$							$p_0 + 2$	$\frac{3+p_0}{2+p_0}$		
$\begin{array}{c} 1\ 3\ 0\ 2 \\ \hline 0\ 2\ 3\ 1 \\ 2\ 1\ 0\ 3 \\ 1\ 3\ 2\ 0 \\ 3\ 0\ 1\ 2 \\ \end{array}$	s ₈₄	Quasigroup			$\frac{1}{p_0 + 0}$	$\frac{p_0 + 0}{0 + p_0}$							$\frac{p_0+3}{p_0+3}$	${2+p_0}$	$p_0 + 1$		$\frac{1+p_0}{1+p_0}$	$\frac{1}{p_0 + 1}$			$3 + p_0$	$\frac{1}{p_0 + 2}$		$p_0 + 2$		
$\begin{array}{c} 0\ 2\ 3\ 1 \\ 2\ 1\ 0\ 3 \\ 3\ 0\ 1\ 2 \\ 1\ 3\ 2\ 0 \\ \hline 0\ 2\ 3\ 1 \\ 2\ 3\ 1\ 0 \\ \end{array}$	s ₈₅	Quasigroup Commutative				$\frac{\overline{0+p_0}}{p_0+0}$								$\frac{\overline{3+p_0}}{p_0+3}$			$\frac{\overline{1+p_0}}{p_0+1}$				$\frac{2+p_0}{p_0+2}$					
$ \begin{array}{r} 1 & 0 & 2 & 3 \\ 3 & 1 & 0 & 2 \end{array} $ $ 0 & 2 & 3 & 1 \\ 2 & 3 & 1 & 0 \\ 3 & 1 & 0 & 2 \end{array} $	s ₈₆	Quasigroup Quasigroup Commutative			$p_0 + 0$	$\frac{0+p_0}{0+p_0}$ $\frac{0+p_0}{p_0+0}$			$\frac{\overline{3+p_0}}{\overline{p_0+3}}$	$p_0 + 3$									$p_0 + 1$	$\frac{1+p_0}{1+p_0}$ $\frac{1+p_0}{p_0+1}$			$\frac{3+p_0}{2+p_0}$ $\frac{2+p_0}{p_0+2}$	$p_0 + 2$		
$\begin{array}{c} 1\ 0\ 2\ 3 \\ \hline 0\ 2\ 3\ 1 \\ 3\ 0\ 1\ 2 \\ 1\ 3\ 2\ 0 \\ \hline 2\ 1\ 0\ 3 \\ \hline 0\ 2\ 3\ 1 \\ 3\ 0\ 1\ 2 \\ 2\ 1\ 0\ 3 \\ \hline 1\ 3\ 2\ 0 \\ \end{array}$	s ₈₈	Quasigroup				$0 + p_0$	$p_0 + 0$		$p_0 + 3$		$p_0 + 3$			$\frac{1}{2+p_0}$		$\frac{1}{p_0 + 1}$	$3 + p_0$			$p_0 + 1$	$\frac{1+p_0}{1+p_0}$			$\frac{1}{p_0 + 2}$		
3102	s ₈₉	Quasigroup Quasigroup				$\frac{0+p_0}{0+p_0}$	$\frac{1}{p_0 + 0}$	$p_0 + 0$	$\frac{1}{2+p_0}$			$\frac{\overline{p_0+3}}{\overline{p_0+3}}$		$3 + p_0$	$p_0 + 1$		$\frac{2+p_0}{p_0+1}$			$3 + p_0$	$\overline{1+p_0}$	$\frac{1}{p_0 + 2}$	$\frac{p_0+2}{1+p_0}$			
$\begin{array}{c} 1 & 0 & 2 & 3 \\ 2 & 3 & 1 \\ 0 & 2 & 3 & 1 \\ 3 & 1 & 0 & 2 \\ 2 & 3 & 1 & 0 \\ 1 & 0 & 2 & 3 & 1 \\ 3 & 1 & 2 & 0 \\ 1 & 3 & 0 & 2 \\ \end{array}$	s ₉₃	Quasigroup Quasigroup				$0 + p_0$		$\frac{1}{p_0 + 0}$	$\frac{3+p_0}{p_0+3}$		$\frac{1}{p_0 + 3}$							$\frac{p_0+1}{p_0+1}$		$\frac{1}{2+p_0}$	$p_0 + 2$		$\frac{1}{1+p_0}$		$\frac{1}{p_0 + 2}$	
1 3 0 2 2 0 1 3 0 2 3 1 3 1 2 0 2 0 1 3 1 3 0 2 0 3 1 2 1 0 2 3	s ₉₅	Quasigroup Quasigroup	х			$\frac{0+p_0}{0+p_0}$	$p_0 + 0$	$\frac{1}{p_0 + 0}$		$\frac{1}{p_0 + 3}$			$\frac{2+p_0}{3+p_0}$		$\frac{3+p_0}{2+p_0}$		$\frac{1}{p_0 + 1}$							$\frac{1+p_0}{1+p_0}$		$\frac{1}{p_0 + 2}$
$\begin{array}{r} 2 & 1 & 3 & 0 \\ 3 & 2 & 0 & 1 \\ \hline 0 & 3 & 1 & 2 \\ 1 & 0 & 2 & 3 \\ 3 & 2 & 0 & 1 \end{array}$	s ₉₆	Left Identity Quasigroup	$\frac{\mathbf{x}}{p_0 + 0}$	$\frac{1}{p_0 + 0}$			$\frac{0+p_0}{0+p_0}$		$\frac{1+p_0}{1+p_0}$		$\frac{1}{p_0 + 2}$	$p_0 + 2$						$\frac{2+p_0}{3+p_0}$	$p_0 + 3$	$\frac{1}{p_0 + 3}$	$p_0 + 1$	$\frac{1}{p_0 + 1}$			$\frac{3+p_0}{2+p_0}$	
$\begin{array}{c} 2 & 1 & 3 & 0 \\ 0 & 3 & 1 & 2 \\ 1 & 2 & 0 & 3 \\ 2 & 0 & 3 & 1 \\ 3 & 1 & 2 & 0 \\ 0 & 3 & 1 & 2 \\ 1 & 2 & 0 & 3 \\ 3 & 1 & 2 & 0 \end{array}$	s ₉₈	Quasigroup Left Identity Quasigroup	$\frac{\mathbf{x}}{p_0 + 0}$				$\overline{0 + p_0}$			$p_0 + 2$	$\overline{1+p_0}$					$\frac{\overline{2+p_0}}{\overline{2+p_0}}$				$\frac{10^{-4}}{p_0+3}$				$3+p_0$	$\frac{1}{p_0+1}$	
$\begin{array}{r} 2031 \\ 0312 \\ 1230 \\ 2103 \\ \hline 3021 \\ 0312 \\ \end{array}$	s ₁₀₂	Quasigroup Left Identity	$\frac{\mathbf{x}}{p_0 + 0}$	$p_0 + 0$			$\frac{0+p_0}{0+p_0}$		$p_0 + 2$		$1 + p_0$	$\frac{1 + p_0}{1 + p_0}$	$\frac{1}{p_0 + 2}$			$\frac{3+p_0}{p_0+3}$	$\frac{1}{2+p_0}$		$p_0 + 3$			$3 + p_0$		$2 + p_0$		$\frac{\overline{p_0+1}}{\overline{p_0+1}}$
$\begin{array}{c} 1 & 2 & 3 & 0 \\ 3 & 0 & 2 & 1 \\ 2 & 1 & 0 & 3 \\ 0 & 3 & 1 & 2 \\ 2 & 0 & 3 & 1 \\ 1 & 2 & 0 & 3 \\ 3 & 1 & 2 & 0 \\ 0 & 3 & 1 & 2 \\ \end{array}$	s ₁₀₃	Quasigroup Quasigroup		$p_0 + 0$	$\frac{1}{p_0 + 0}$		$\frac{0+p_0}{0+p_0}$				$\frac{1}{2+p_0}$	$\overline{1+p_0}$	$\frac{1}{p_0 + 2}$	$p_0 + 2$	$p_0 + 3$	$\frac{1+p_0}{1+p_0}$	$3 + p_0$	$\frac{1}{p_0 + 3}$				$\frac{2+p_0}{p_0+1}$		${3+p_0}$	$\overline{p_0+1}$	
$\begin{array}{c} 3 & 1 & 2 \\ 2 & 0 & 3 & 1 \\ 2 & 0 & 3 & 1 \\ 3 & 1 & 2 & 0 \\ 1 & 2 & 0 & 3 \\ 0 & 3 & 1 & 2 \\ 2 & 1 & 0 & 3 \\ 1 & 2 & 3 & 0 \end{array}$	s ₁₀₅	Quasigroup Quasigroup				$p_0 + 0$	$0 + p_0$				$3 + p_0$			$p_0 + 2$		$\overline{1+p_0}$	$\frac{1}{p_0 + 3}$				$p_0 + 1$			$2 + p_0$		
$\begin{array}{r} 3 & 0 & 2 & 1 \\ 0 & 3 & 1 & 2 \\ 2 & 1 & 0 & 3 \\ 3 & 0 & 2 & 1 \\ 1 & 2 & 3 & 0 \\ 0 & 3 & 1 & 2 \end{array}$	s ₁₀₇	Quasigroup			$p_0 + 0$	$\frac{1}{p_0 + 0}$	$\frac{0+p_0}{0+p_0}$		$\frac{1}{p_0 + 2}$	$p_0 + 2$		$\frac{2+p_0}{3+p_0}$					$\frac{1+p_0}{1+p_0}$		$p_0 + 3$	$\frac{1}{p_0 + 3}$		$\frac{3+p_0}{2+p_0}$	$\frac{1}{p_0 + 1}$	$p_0 + 1$		
$\begin{array}{c} 2 & 1 & 3 & 0 \\ 1 & 0 & 2 & 3 \\ 3 & 2 & 0 & 1 \\ 0 & 3 & 1 & 2 \\ 2 & 1 & 3 & 0 \\ 3 & 2 & 0 & 1 \\ 1 & 0 & 2 & 3 \end{array}$	s ₁₀₈	Quasigroup Quasigroup			$p_0 + 0$	$\frac{1}{p_0 + 0}$	$\frac{0+p_0}{0+p_0}$		$\frac{2+p_0}{3+p_0}$				$\frac{1}{p_0 + 2}$	$p_0 + 2$	$\frac{1}{p_0 + 3}$	$p_0 + 3$		$\frac{1+p_0}{1+p_0}$					$p_0 + 1$	$\frac{1}{p_0 + 1}$	$\frac{3+p_0}{2+p_0}$	
0 3 1 2 3 0 2 1 1 2 3 0 2 1 0 3	s ₁₁₃	Quasigroup Commutative					$\frac{0+p_0}{p_0+0}$					$\frac{\overline{2+p_0}}{p_0+2}$					$\frac{\overline{3+p_0}}{p_0+3}$					$\frac{\overline{1+p_0}}{p_0+1}$				
$ \begin{array}{c} 3 & 0 & 2 & 1 \\ 2 & 1 & 0 & 3 \\ 1 & 2 & 3 & 0 \end{array} $ $ \begin{array}{c} 0 & 3 & 1 & 2 \\ 3 & 1 & 2 & 0 \end{array} $	s ₁₁₄	Quasigroup Quasigroup					$\frac{\overline{0+p_0}}{\overline{0+p_0}}$	$\frac{1}{p_0 + 0}$			$\frac{\overline{p_0+2}}{2+\overline{p_0}}$	${3+p_0}$				3 + 7	$\frac{1}{2+p_0}$	${p_0 + 3}$			$\frac{1}{p_0 + 1}$	$\frac{1+p_0}{1+p_0}$		14.7		
$ \begin{array}{c} 3 & 2 & 0 & 3 \\ 1 & 2 & 0 & 3 & 1 \\ 2 & 0 & 3 & 1 & 2 \\ 3 & 1 & 2 & 0 & 2 & 0 & 3 & 1 \\ 1 & 2 & 0 & 3 & 1 & 2 & 0 & 3 \end{array} $	s ₁₁₆	Commutative					$\frac{0+p_0}{p_0+0}$ $0+p_0$	$\frac{1}{p_0 + 0}$			$\frac{2+p_0}{p_0+2}$ $\frac{3+p_0}{3+p_0}$	$\frac{1}{p_0 + 2}$			$\frac{1}{p_0 + 3}$	$\frac{3+p_0}{p_0+3}$ $\frac{3+p_0}{p_0+3}$							$\frac{1}{p_0 + 1}$	$\frac{1+p_0}{p_0+1}$ $\frac{1+p_0}{1+p_0}$		
$\begin{array}{c} 1203 \\ 0312 \\ 3201 \\ 1023 \\ 2130 \\ 0312 \end{array}$	s ₁₁₈	Quasigroup Commutative					$\frac{0+p_0}{p_0+0}$		$\frac{2+p_0}{p_0+2}$									$\frac{\overline{3+p_0}}{p_0+3}$							$\frac{1+p_0}{p_0+1}$	
$\begin{array}{r} 3 & 2 & 0 & 1 \\ 2 & 1 & 3 & 0 \\ 1 & 0 & 2 & 3 \\ \hline 0 & 3 & 2 & 1 \\ 1 & 0 & 3 & 2 \\ 3 & 2 & 1 & 0 \end{array}$	s ₁₁₉	Quasigroup Quasigroup		$\frac{1}{p_0 + 0}$			$0 + p_0$	$\frac{\overline{p_0+0}}{\overline{0+p_0}}$	$3 + p_0$	$\frac{p_0+2}{1+p_0}$	$p_0 + 3$						$\frac{p_0+3}{3+p_0}$	$\frac{1}{2+p_0}$		$\frac{1}{p_0 + 2}$		$\frac{1}{p_0 + 1}$			$1 + p_0$	$\frac{p_0+1}{2+p_0}$
$\begin{array}{r} 2 & 1 & 0 & 3 \\ \hline 0 & 3 & 2 & 1 \\ 1 & 2 & 0 & 3 \\ 2 & 1 & 3 & 0 \\ \hline 3 & 0 & 1 & 2 \\ \hline 0 & 3 & 2 & 1 \\ 1 & 2 & 0 & 3 \\ \end{array}$	s ₁₂₂	Quasigroup Left Identity	$\frac{x}{p_0+0}$	P0 F0				$\frac{0+p_0}{0+p_0}$		- P0	$\frac{p_0+3}{1+p_0}$		${p_0 + 3}$			${p_0+2}$	J + P0	$\frac{1}{2+p_0}$		-FU 1 2	${3+p_0}$	P0 1				$\frac{2+p_0}{p_0+1}$
$\begin{array}{c} 1 & 2 & 0 & 3 \\ 3 & 0 & 1 & 2 \\ 2 & 1 & 3 & 0 \end{array}$	s ₁₂₃	Quasigroup	х	$p_0 + 0$				$0 + p_0$			$1 + p_0$			$p_0 + 3$	$p_0 + 2$			$3 + p_0$			$2 + p_0$				$p_0 + 1$	

$\begin{smallmatrix} 0 & 3 & 2 & 1 \\ 1 & 2 & 3 & 0 \end{smallmatrix}$	840	Quasigroup	р ₀	p_1	p_2	<i>p</i> ₃	p_4	<i>p</i> ₅	<i>p</i> ₆	<i>p</i> 7	<i>p</i> ₈	<i>p</i> 9	P10	<i>p</i> ₁₁	p ₁₂	p ₁₃	<i>p</i> ₁₄	P15	p ₁₆	<i>p</i> ₁₇	<i>p</i> 18	<i>p</i> 19	p ₂₀	p_{21}	p ₂₂	p ₂₃
$\begin{array}{c} 2\ 0\ 1\ 3\\ 3\ 1\ 0\ 2\\ 0\ 3\ 2\ 1\\ 1\ 2\ 3\ 0\\ 3\ 1\ 0\ 2\\ 2\ 0\ 1\ 3\\ 0\ 3\ 2\ 1\\ \end{array}$	s ₁₂ ,	Left Identity	$\frac{1}{p_0+0}$	$\frac{1}{p_0 + 0}$				$\frac{0+p_0}{0+p_0}$	$\frac{1}{p_0 + 3}$	$p_0 + 3$		$\frac{1+p_0}{1+p_0}$			$\frac{2+p_0}{3+p_0}$				$\frac{1}{p_0 + 2}$	$p_0 + 2$			$\frac{3+p_0}{2+p_0}$		$p_0 + 1$	$\overline{p_0+1}$
$\begin{array}{c} 0 & 3 & 2 & 1 \\ 2 & 0 & 1 & 3 \\ 1 & 2 & 3 & 0 \\ 3 & 1 & 0 & 2 \\ \hline 0 & 3 & 2 & 1 \\ 2 & 0 & 1 & 3 \end{array}$	s ₁₂₈		х		${p_0 + 0}$			$0 + p_0$				$\frac{1}{2 + p_0}$	${p_0 + 3}$		$\frac{1+p_0}{1+p_0}$			${p_0 + 2}$				$\frac{1}{p_0 + 1}$	${3+p_0}$			
$ \begin{array}{r} 3 & 1 & 0 & 2 \\ 1 & 2 & 3 & 0 \\ \hline 0 & 3 & 2 & 1 \\ 2 & 1 & 0 & 3 \\ 1 & 0 & 3 & 2 \end{array} $	s ₁₂₉		x x		$\frac{1}{p_0 + 0}$	$p_0 + 0$		$\frac{\overline{0+p_0}}{\overline{0+p_0}}$		$\frac{1}{2 + p_0}$		$3 + p_0$		$\frac{p_0+3}{p_0+3}$	$1 + p_0$	$\frac{1}{p_0 + 2}$	$\frac{\overline{p_0} + 2}{1 + p_0}$				$p_0 + 1$		$\frac{\overline{2+p_0}}{\overline{p_0+1}}$			${3+p_0}$
$\begin{array}{r} 3210 \\ 0321 \\ 2103 \\ 3210 \\ 1032 \\ \hline 0321 \\ \end{array}$	s ₁₃ ;	3 Quasigroup	x		<i>p</i> ₀ + 0	$p_0 + 0$		$\frac{0 + p_0}{0 + p_0}$		$\frac{2 + p_0}{3 + p_0}$			$\frac{1}{p_0 + 3}$	<i>p</i> ₀ + 3	$\frac{1}{p_0 + 2}$	<i>p</i> ₀ + 2	$\frac{1+p_0}{1+p_0}$						<i>p</i> ₀ + 1	$\frac{1}{p_0 + 1}$		$\frac{3+p_0}{2+p_0}$
$\begin{array}{c} 2 & 1 & 3 & 0 \\ 1 & 2 & 0 & 3 \\ \hline 3 & 0 & 1 & 2 \\ \hline 0 & 3 & 2 & 1 \\ 2 & 1 & 3 & 0 \end{array}$	s ₁₃ ,		x x		$p_0 + 0$			$0 + p_0$		$p_0 + 3$	$\frac{1}{2+p_0}$							$\frac{1+p_0}{}$	$p_0 + 2$		$3 + p_0$			${p_0 + 1}$		
$ \begin{array}{r} 3 0 1 2 \\ 1 2 0 3 \\ 0 3 2 1 \\ 3 0 1 2 \\ 1 2 0 3 \\ 2 1 3 0 \end{array} $	s ₁₃		x			$p_0 + 0$	${p_0 + 0}$	$0 + p_0$ $0 + p_0$	$p_0 + 3$		$\frac{3+p_0}{2+p_0}$	${p_0 + 3}$					$\frac{1}{p_0+2}$	$\frac{1+p_0}{3+p_0}$		$p_0 + 2$	$\frac{2+p_0}{1+p_0}$	${p_0 + 1}$	$p_0 + 1$			
$\begin{array}{c} 0 & 3 & 2 & 1 \\ 3 & 0 & 1 & 2 \\ 2 & 1 & 3 & 0 \\ 1 & 2 & 0 & 3 \end{array}$	s ₁₃₉	$\frac{\text{Quasigroup}}{\text{Commutative}}$	х					$\frac{0+p_0}{p_0+0}$			$\frac{3+p_0}{p_0+3}$							$\frac{2+p_0}{p_0+2}$			$\frac{\overline{1+p_0}}{p_0+1}$					
$\begin{array}{c} 0 & 3 & 2 & 1 \\ 3 & 1 & 0 & 2 \\ 1 & 2 & 3 & 0 \\ 2 & 0 & 1 & 3 \end{array}$	s ₁₄₀	0 Quasigroup	х				$\frac{1}{p_0 + 0}$	$\frac{1}{0+p_0}$			$\frac{p_0 + 3}{p_0 + 3}$	$\frac{1}{2+p_0}$			${3+p_0}$	${p_0 + 2}$		PUT			PU 1 -		$\overline{1+p_0}$	$\frac{1}{p_0 + 1}$		
0 3 2 1 3 1 0 2 2 0 1 3 1 2 3 0	s ₁₄ :	$\frac{\text{Quasigroup}}{\text{Commutative}}$	х					$\frac{0+p_0}{p_0+0}$				$\frac{3+p_0}{p_0+3}$			$\frac{\overline{2+p_0}}{p_0+2}$								$\frac{\overline{1+p_0}}{p_0+1}$			
$ \begin{array}{r} 3 \ 2 \ 1 \ 0 \\ 1 \ 0 \ 3 \ 2 \\ 2 \ 1 \ 0 \ 3 \\ 1 \ 0 \ 2 \ 3 \end{array} $	s ₁₄ :	2 Quasigroup Quasigroup	x				$p_0 + 0$	$0 + p_0$	$p_0 + 3$	$\frac{1}{2 + p_0}$							$3 + p_0$	$\frac{1}{p_0 + 2}$							${p_0+1}$	$\overline{1+p_0}$
$\begin{array}{c} 0 & 2 & 3 & 1 \\ 2 & 3 & 1 & 0 \\ 3 & 1 & 0 & 2 \\ \hline 1 & 0 & 2 & 3 & 1 \\ 0 & 2 & 3 & 1 \\ \end{array}$	s ₁₄₈	8 Commutative	х			$\frac{1+p_0}{p_0+1}$			$\frac{0+p_0}{p_0+0}$											$\frac{2+p_0}{p_0+2}$			$\frac{3+p_0}{p_0+3}$			
3 1 0 2 2 3 1 0 1 0 2 3 0 3 1 2 2 1 3 0	s ₁₄₉	Quasigroup	x x		$p_0 + 1$	$1 + p_0$	$\frac{1+p_0}{1+p_0}$		$\frac{\overline{0+p_0}}{\overline{0+p_0}}$	$p_0 + 0$								$\frac{1}{2+p_0}$	$p_0 + 2$	$3 + p_0$			$2 + p_0$	$p_0 + 3$	${3+p_0}$	
$ \begin{array}{c} 2 & 1 & 3 & 0 \\ 3 & 2 & 0 & 1 \end{array} $ $ \begin{array}{c} 1 & 0 & 2 & 3 \\ 0 & 3 & 1 & 2 \\ 3 & 2 & 0 & 1 \\ 2 & 1 & 3 & 0 \end{array} $	s ₁₅ :	Commutative	x				$\frac{\frac{1+p_0}{p_0+1}}{\frac{1+p_0}{}}$	$\frac{1}{p_0 + 1}$	$\frac{p_0}{p_0+0}$ $\frac{p_0}{p_0+0}$	$p_0 + 0$							$\frac{1}{p_0 + 2}$	$\frac{\frac{1}{p_0} + 2}{3 + p_0}$							$\frac{\frac{1}{p_0} + 3}{2 + p_0}$	$\frac{1}{p_0 + 3}$
$\begin{array}{r} 2130 \\ 1023 \\ 2130 \\ 0312 \\ \hline 3201 \\ 1023 \end{array}$	s ₁₅₅		x	$\frac{1}{p_0 + 1}$			$\frac{1+p_0}{2+p_0}$	P0 1	$\frac{0+p_0}{0+p_0}$	P0 1 0	$\frac{1}{p_0 + 0}$						P0 2	$\frac{3+p_0}{1+p_0}$		${p_0 + 2}$		${p_0 + 3}$			$\frac{2 + p_0}{3 + p_0}$	P0 3
$\begin{array}{c} 2 & 1 & 3 & 0 \\ 3 & 2 & 0 & 1 \\ 0 & 3 & 1 & 2 \\ \hline 1 & 0 & 2 & 3 \\ 2 & 3 & 0 & 1 \end{array}$	s ₁₅ ;	Left Identity	$\frac{\mathbf{x}}{p_0+1}$				$3 + p_0$		$0 + p_0$			$p_0 + 0$						$\frac{1+p_0}{1+p_0}$	$p_0 + 2$		${p_0 + 3}$				${2+p_0}$	
$\begin{array}{c} 0 & 1 & 3 & 2 \\ 3 & 2 & 1 & 0 \\ \hline 1 & 0 & 2 & 3 \\ 2 & 3 & 0 & 1 \\ 3 & 2 & 1 & 0 \\ 0 & 1 & 3 & 2 \end{array}$	s ₁₅		x	$\frac{2+p_0}{3+p_0}$			$p_0 + 1$	$\frac{1}{p_0 + 1}$	$\frac{0+p_0}{0+p_0}$		$p_0 + 0$	$\frac{1}{p_0 + 0}$			$\frac{1}{p_0 + 2}$	$p_0 + 2$			$\frac{1+p_0}{1+p_0}$				${p_0 + 3}$	$p_0 + 3$		$\frac{3+p_0}{2+p_0}$
$\begin{array}{c} 0 \ 1 \ 3 \ 2 \\ 1 \ 0 \ 2 \ 3 \\ 2 \ 3 \ 1 \ 0 \\ 0 \ 2 \ 3 \ 1 \\ 3 \ 1 \ 0 \ 2 \\ 1 \ 0 \ 2 \ 3 \\ 2 \ 3 \ 1 \ 0 \\ \end{array}$	-10		x			$2 + p_0$		$\frac{1}{p_0 + 1}$	$0 + p_0$		$p_0 + 0$							$p_0 + 2$		$\frac{1 + p_0}{1 + p_0}$	$\frac{1}{p_0 + 3}$		$3 + p_0$			
$\begin{array}{r} 3 & 1 & 0 & 2 \\ 0 & 2 & 3 & 1 \\ \hline 1 & 0 & 2 & 3 \\ 3 & 1 & 0 & 2 \\ 0 & 2 & 3 & 1 \end{array}$	s ₁₅₈	Quasigroup	$\frac{x}{p_0+1}$			$\frac{3+p_0}{2+p_0}$	$p_0 + 1$		$\frac{0+p_0}{0+p_0}$			$p_0 + 0$	$\frac{1}{p_0 + 0}$			$\frac{1}{p_0 + 2}$	$p_0 + 2$			$\frac{1+p_0}{3+p_0}$		$p_0 + 3$	$\frac{2+p_0}{1+p_0}$			$\frac{1}{p_0 + 3}$
$\begin{array}{r} 2310 \\ \hline 1023 \\ 3102 \\ 2310 \\ \hline 1023 \\ \end{array}$	s ₁₆ :	Left Identity	<i>p</i> ₀ + 1 х	$\overline{p_0+1}$		$\frac{2+p_0}{3+p_0}$			$\frac{0+p_0}{0+p_0}$				PU T 0	$\frac{1}{p_0 + 0}$	${p_0 + 2}$	F0 Z				$\frac{3+p_0}{2+p_0}$			$\frac{1+p_0}{1+p_0}$		$p_0 + 3$	FU 1'0
$ \begin{array}{r} 3 & 2 & 0 & 1 \\ 0 & 3 & 1 & 2 \\ 2 & 1 & 3 & 0 \\ \hline 1 & 0 & 2 & 3 \\ 3 & 2 & 0 & 1 \end{array} $	s ₁₆ ;		x x			$\frac{1}{p_0 + 1}$	$\frac{1}{2+p_0}$		$0+p_0$				$\frac{1}{p_0 + 0}$		${p_0 + 2}$			$3+p_0$						$\frac{1}{p_0 + 3}$	$\frac{1+p_0}{1+p_0}$	
$\begin{array}{r} 2 & 1 & 3 & 0 \\ 0 & 3 & 1 & 2 \\ \hline 1 & 0 & 2 & 3 \\ 3 & 2 & 1 & 0 \\ 0 & 1 & 3 & 2 \end{array}$	s ₁₆		x	$\frac{1}{2+p_0}$	$\frac{p_0+1}{p_0+1}$		$3 + p_0$		$\frac{0+p_0}{0+p_0}$				$\frac{1}{p_0 + 0}$	$p_0 + 0$		$p_0 + 2$		$\frac{2+p_0}{p_0+2}$	${3+p_0}$			$\frac{1}{p_0 + 3}$	$p_0 + 3$		$1 + p_0$	$\frac{1+p_0}{1+p_0}$
$\begin{array}{c} 2301 \\ \hline 1023 \\ 3210 \\ 2301 \\ \hline 0132 \\ \hline 0213 \\ \end{array}$	s ₁₆		х	${3+p_0}$		${p_0+1}$			$\overline{0+p_0}$					$\frac{1}{p_0 + 0}$			${p_0+2}$		$\frac{1}{2+p_0}$		$\frac{1}{p_0 + 3}$					$\frac{1+p_0}{1+p_0}$
$\begin{array}{r} 2 & 3 & 0 & 1 \\ 3 & 1 & 2 & 0 \\ \hline 1 & 0 & 3 & 2 \\ 0 & 3 & 2 & 1 \\ 2 & 1 & 0 & 3 \end{array}$	s ₁₇		x		$1 + p_0$	$p_0 + 1$	$\frac{1}{p_0 + 1}$	$\overline{1+p_0}$	$\frac{\overline{p_0+0}}{\overline{p_0+0}}$	$\frac{0+p_0}{0+p_0}$							$\frac{1}{2+p_0}$	$\frac{1}{p_0 + 3}$	$2 + p_0$	$p_0 + 3$			$p_0 + 2$	$3 + p_0$	$\frac{1}{p_0 + 2}$	$3 + p_0$
$\begin{array}{r} 3 & 2 & 1 & 0 \\ 1 & 0 & 3 & 2 \\ 2 & 1 & 0 & 3 \\ 0 & 3 & 2 & 1 \\ 3 & 2 & 1 & 0 \\ \hline 1 & 0 & 3 & 2 \end{array}$	s ₁₇₆		х	${p_0 + 1}$			FU T 1	$\frac{1+p_0}{2+p_0}$	ru TU	$\frac{0+p_0}{0+p_0}$	$\frac{1}{p_0 + 0}$						$\frac{2+p_0}{1+p_0}$	<i>x</i> 0 ⊤ 0		$p_0 + 3$		$\frac{1}{p_0 + 2}$			ru 2	$\frac{3+p_0}{3+p_0}$
2 3 0 1 0 2 1 3 3 1 2 0 1 0 3 2 2 3 0 1 3 1 2 0	s ₁₇₉		x x		$\frac{1}{2+p_0}$			$\frac{1}{p_0 + 1}$		$0+p_0$	$\frac{1}{p_0 + 0}$							${p_0 + 3}$	$\overline{1+p_0}$		${p_0 + 2}$			$3+p_0$		
$\begin{array}{r} 0 & 2 & 1 & 3 \\ 1 & 0 & 3 & 2 \\ 2 & 3 & 1 & 0 \\ 0 & 1 & 2 & 3 \end{array}$		Quasigroup	$\frac{\mathbf{x}}{2+p_0}$		$3 + p_0$		$\frac{p_0+1}{p_0+1}$			$0 + p_0$ $0 + p_0$	$\frac{1}{p_0 + 0}$	$p_0 + 0$				$\frac{1}{p_0 + 3}$	$p_0 + 3$		$1 + p_0$	$\frac{1+p_0}{1+p_0}$		$p_0 + 2$		$\frac{2+p_0}{p_0+2}$	${3+p_0}$	
$\begin{array}{r} 3201 \\ \hline 1032 \\ 2310 \\ 3201 \\ \hline 0123 \\ \hline 1032 \\ \end{array}$	s ₁₈ ;	Right Identity	$\frac{x}{3+p_0}$					${p_0 + 1}$		$0 + p_0$		$p_0 + 0$			$\frac{1}{p_0 + 3}$					$\frac{1+p_0}{1+p_0}$			$p_0 + 2$		$\frac{1}{2+p_0}$	
$\begin{array}{c} 3 & 1 & 2 & 0 \\ 2 & 3 & 0 & 1 \\ 0 & 2 & 1 & 3 \\ \hline 1 & 0 & 3 & 2 \\ 3 & 2 & 0 & 1 \\ 0 & 1 & 2 & 3 \end{array}$	s ₁₈₈	Quasigroup	$\frac{x}{2+p_0}$	$p_0 + 1$	$\frac{3+p_0}{p_0+1}$					$\frac{0+p_0}{0+p_0}$			$\frac{1}{p_0 + 0}$	$p_0 + 0$	$p_0 + 3$			$\frac{1}{p_0 + 3}$	$2 + p_0$	${3+p_0}$		$\frac{1}{p_0 + 2}$		$1 + p_0$	$\frac{\overline{p_0} + 2}{1 + p_0}$	
$\begin{array}{c} 2310 \\ 1032 \\ 3201 \\ 2310 \\ 0123 \\ \hline 1032 \\ \end{array}$	s ₁₈	Quasigroup	$\frac{x}{3+p_0}$		P0 + 1	$\frac{1}{p_0 + 1}$				$\frac{0 + p_0}{0 + p_0}$			P0 + 0	$\frac{1}{p_0 + 0}$			$p_0 + 3$	<i>p</i> ₀ + 3		$\frac{3+p_0}{2+p_0}$	$\overline{p_0+2}$	P0 + 2			$\frac{1+p_0}{1+p_0}$	
$\begin{array}{c} 3 & 2 & 1 & 0 \\ 0 & 3 & 2 & 1 \\ 2 & 1 & 0 & 3 \\ \hline 1 & 0 & 3 & 2 \\ 3 & 2 & 1 & 0 \\ 2 & 1 & 0 & 3 \end{array}$	s ₁₈₉		x x			$p_0 + 1$		$\frac{1}{2 + p_0}$		$0 + p_0$			$p_0 + 0$		${p_0 + 3}$		$3 + p_0$							${p_0+2}$		$1 + p_0$
$\begin{array}{r} 0 & 3 & 2 & 1 \\ 1 & 2 & 0 & 3 \\ 0 & 1 & 3 & 2 \\ 2 & 3 & 1 & 0 \end{array}$	s ₁₉		x	$\frac{1+p_0}{1+p_0}$	$p_0 + 1$		${p_0 + 2}$	$3 + p_0$	${p_0 + 0}$	$0 + p_0$	$\frac{1}{0+p_0}$			$p_0 + 0$		$p_0 + 3$	$2+p_0$	$\frac{1}{p_0 + 1}$		${2+p_0}$		${3+p_0}$	$p_0 + 2$		${p_0+3}$	$1 + p_0$
$\begin{array}{c} 3 & 0 & 2 & 1 \\ 1 & 2 & 0 & 3 \\ 0 & 1 & 3 & 2 \\ 3 & 0 & 2 & 1 \\ 2 & 3 & 1 & 0 \\ \hline 1 & 2 & 0 & 3 \\ 0 & 3 & 1 & 2 \end{array}$	019.		х	$1 + p_0$				$p_0 + 2$		$p_0 + 0$	$0 + p_0$						$\frac{1}{p_0 + 1}$			$3 + p_0$		$\frac{1}{2+p_0}$				$\frac{1}{p_0 + 3}$
2 0 3 1 3 1 2 0 1 2 0 3 0 3 1 2	019.	Quasigroup	$\frac{x}{p_0+2}$	$\overline{p_0+2}$			$\frac{1+p_0}{1+p_0}$		$p_0 + 0$	$\frac{1}{p_0 + 0}$	$\frac{\overline{0+p_0}}{\overline{0+p_0}}$					$\frac{2+p_0}{3+p_0}$			$p_0 + 1$	$\frac{1}{p_0 + 1}$				$\frac{3+p_0}{2+p_0}$	$\frac{1}{p_0 + 3}$	$p_0 + 3$
3 1 2 0 2 0 3 1 1 2 0 3 0 3 2 1 2 1 3 0 0 3 0 1 2 1 2 0 3 0 3 2 1 3 0 1 2 2 1 3 0	s ₁₉₈		x			$\frac{1}{p_0 + 2}$	- 1 20	$\frac{1+p_0}{1+p_0}$	$\frac{1}{p_0 + 0}$	70 1 5	$0+p_0$					9 1 20		$\frac{1}{2+p_0}$		$\frac{1}{p_0 + 1}$	$3 + p_0$		${p_0 + 3}$	- 1 20	70 1 3	
1203		Quasigroup	х		$p_0 + 2$			$1 + p_0$		$p_0 + 0$	$0 + p_0$							$3 + p_0$	$p_0 + 1$		$2 + p_0$			$\frac{1}{p_0 + 3}$		
2 0 3 1 0 3 1 2 3 1 2 0 1 2 0 3 2 0 3 1 3 1 2 0 0 3 1 2		Commutative	x				$\frac{2+p_0}{p_0+2}$				$\frac{0+p_0}{p_0+0}$					$\frac{\overline{1+p_0}}{p_0+1}$								$\frac{3+p_0}{p_0+3}$		
1 2 0 3 2 1 3 0 0 3 2 1	s ₂₀ ;	Quasigroup	x				$3 + p_0$	$\frac{\overline{p_0 + 2}}{2 + p_0}$			$0 + p_0$ $0 + p_0$	$p_0 + 0$			$p_0 + 1$	$\overline{1+p_0}$		$1 + p_0$			$\frac{\overline{3+p_0}}{p_0+3}$		$p_0 + 3$	$2 + p_0$		
$\begin{array}{c} 3 & 0 & 1 & 2 \\ \hline 1 & 2 & 0 & 3 \\ 2 & 1 & 3 & 0 \\ 3 & 0 & 1 & 2 \\ 0 & 3 & 2 & 1 \end{array}$			x				${p_0 + 2}$	$\frac{p_0+2}{3+p_0}$			$\frac{p_0 + 0}{0 + p_0}$	$\frac{1}{p_0 + 0}$					$\frac{1}{p_0 + 1}$	$\frac{p_0+1}{1+p_0}$			$\frac{p_0+3}{2+p_0}$	$\frac{1}{p_0 + 3}$				
1 2 0 3 2 3 1 0 0 1 3 2 3 0 2 1		$\begin{array}{c} & & \frac{\text{Quasigroup}}{\text{Commutative}} \end{array}$	x	$\frac{\overline{2+p_0}}{p_0+2}$							$\frac{\overline{0+p_0}}{p_0+0}$									$\frac{\overline{1+p_0}}{p_0+1}$		$\frac{\overline{3+p_0}}{p_0+3}$				
$\begin{array}{c} 1 & 2 & 0 & 3 \\ 2 & 3 & 1 & 0 \\ 3 & 0 & 2 & 1 \\ 0 & 1 & 3 & 2 \\ 1 & 2 & 0 & 3 \\ 3 & 0 & 1 & 2 \end{array}$	20	Left Identity	$\frac{x}{p_0+2}$	$\frac{1}{3+p_0}$							$\frac{1}{0+p_0}$	$\frac{1}{p_0 + 0}$							$\frac{1}{p_0 + 1}$	$\frac{1}{1+p_0}$	$\frac{1}{p_0 + 3}$	$\frac{1}{2+p_0}$				
$\begin{array}{r} 0 & 3 & 2 & 1 \\ 2 & 1 & 3 & 0 \\ \hline 1 & 2 & 0 & 3 \\ 3 & 0 & 1 & 2 \end{array}$	200	Left Identity	$\frac{\mathbf{x}}{p_0+2}$					$\frac{1}{2+p_0}$			$\frac{\overline{0+p_0}}{0+p_0}$		$p_0 + 0$			$\frac{1}{p_0 + 1}$		$\frac{3+p_0}{3+p_0}$			$\frac{1+p_0}{1+p_0}$				$\frac{1}{p_0 + 3}$	${p_0 + 3}$
2 1 3 0 0 3 2 1 1 2 0 3 3 0 2 1 0 1 3 2 2 3 1 0	s ₂₁₀		x	$\frac{\overline{p_0 + 2}}{2 + p_0}$		$\frac{1}{p_0 + 2}$		$3 + p_0$			$\frac{\overline{0+p_0}}{\overline{0+p_0}}$		$\frac{1}{p_0 + 0}$	$p_0 + 0$	$\frac{p_0+1}{p_0+1}$			$2 + p_0$		$3 + p_0$	$1 + p_0$	$\frac{1+p_0}{1+p_0}$		$\frac{1}{p_0 + 3}$	$p_0 + 3$	
$\begin{array}{c} 2310 \\ 1203 \\ 3021 \\ 2310 \\ 0132 \\ \hline 1203 \\ 3120 \\ \end{array}$	s ₂₁ ;		x x	${3+p_0}$	$p_0 + 2$						$0 + p_0$			$\frac{1}{p_0 + 0}$		$\frac{1}{p_0 + 1}$				$\frac{1}{2 + p_0}$		$\overline{1+p_0}$	$p_0 + 3$			
$\begin{array}{r} 0 & 3 & 1 & 2 \\ 2 & 0 & 3 & 1 \\ \hline 1 & 2 & 0 & 3 \\ 3 & 1 & 2 & 0 \end{array}$	s ₂₁		x		$p_0 + 2$	${p_0+2}$	$\frac{2+p_0}{3+p_0}$				$\frac{\overline{0+p_0}}{\overline{0+p_0}}$		$p_0 + 0$	$\frac{1}{p_0 + 0}$		$\frac{3+p_0}{2+p_0}$	$\frac{1}{p_0 + 1}$	$p_0 + 1$			$\frac{1}{p_0 + 3}$	$p_0 + 3$		$\frac{1+p_0}{1+p_0}$		
2 0 3 1 0 3 1 2 1 2 3 0 0 1 2 3 2 3 0 1 3 0 1 2 1 2 3 0	s ₂₁₆	Right Identity	$\frac{\mathbf{x}}{1+p_0}$				$\frac{1}{p_0+3}$		$\frac{1}{p_0 + 0}$			$0 + p_0$			_			$\frac{1}{p_0 + 1}$	${2+p_0}$		$\frac{3+p_0}{3+p_0}$				$\frac{1}{p_0 + 2}$	
1 2 3 0 0 3 1 2 2 1 0 3 3 0 2 1 1 2 3 0 0 3 1 2 3 0 2 1 2 1 0 3 1 2 3 0	s ₂₁₈		x		$\frac{1}{p_0 + 3}$	$p_0 + 3$	$\frac{1+p_0}{1+p_0}$		$p_0 + 0$	$\frac{1}{p_0 + 0}$		$\frac{0+p_0}{0+p_0}$					$\frac{2+p_0}{3+p_0}$		$\frac{1}{p_0 + 1}$	$p_0 + 1$		$\frac{3+p_0}{2+p_0}$	$p_0 + 2$	$\frac{1}{p_0 + 2}$		
1 2 3 0 0 3 2 1 2 0 1 3 3 1 0 2 1 2 3 0 0 3 2 1 3 1 0 2	s ₂₂₀	0 Quasigroup	x	${p_0 + 3}$	PU + 3		- + P0	$\overline{1+p_0}$	$\frac{1}{p_0 + 0}$	PU + U		$\frac{0+p_0}{0+p_0}$			$\frac{1}{2+p_0}$		3 + P0		$\frac{p_0+1}{p_0+1}$			~ + p ₀	${3+p_0}$	<i>P</i> 0 + Z		$\overline{p_0+2}$
1230	s ₂₂	Left Identity	$\frac{\mathbf{x}}{p_0+3}$					$\frac{1+p_0}{2}$		$p_0 + 0$		$0+p_0$			$3 + p_0$					$p_0 + 1$			$\frac{1}{2+p_0}$		$\frac{1}{p_0 + 2}$	
$\begin{array}{c} 2\ 0\ 1\ 3 \\ 0\ 3\ 2\ 1 \\ 3\ 1\ 0\ 2 \\ \\ 1\ 2\ 3\ 0 \\ 2\ 0\ 1\ 3 \\ 3\ 1\ 0\ 2 \\ \end{array}$	s ₂₂	Quasigroup	x				$p_0 + 3$	$\frac{2+p_0}{3+p_0}$			$p_0 + 0$	$\frac{0+p_0}{0+p_0}$ $\frac{0+p_0}{p_0+0}$			$\frac{1+p_0}{1+p_0}$ $\frac{1+p_0}{p_0+1}$	$p_0 + 1$							$\frac{3+p_0}{2+p_0}$ $\frac{2+p_0}{p_0+2}$	$p_0 + 2$		
$\begin{array}{c} 0 & 3 & 2 & 1 \\ \hline 1 & 2 & 3 & 0 \\ 2 & 1 & 0 & 3 \\ 0 & 3 & 1 & 2 \\ 3 & 0 & 2 & 1 \\ \hline \end{array}$	s ₂₂₆		x				$\frac{1}{2+p_0}$	$\frac{\overline{p_0+3}}{\overline{p_0+3}}$			$\frac{1}{p_0 + 0}$	$\frac{\overline{p_0 + 0}}{\overline{0 + p_0}}$			$p_0 + 1$		$\overline{1+p_0}$	$\frac{1}{p_0 + 1}$			$\frac{1}{p_0 + 2}$	$3 + p_0$	$p_0 + 2$			
$\begin{array}{c} 1 & 2 & 3 & 0 \\ 2 & 1 & 0 & 3 \\ 3 & 0 & 2 & 1 \\ 0 & 3 & 1 & 2 \end{array}$	s ₂₂₉	9 Quasigroup Commutative	x				$\frac{3+p_0}{p_0+3}$					$\frac{0+p_0}{p_0+0}$					$\frac{1+p_0}{p_0+1}$					$\frac{2+p_0}{p_0+2}$				
$\begin{array}{c} 1 & 2 & 3 & 0 \\ 2 & 3 & 0 & 1 \\ 0 & 1 & 2 & 3 \\ \hline 3 & 0 & 1 & 2 \\ 1 & 2 & 3 & 0 \end{array}$	s ₂₃₀	Quasigroup		${p_0 + 3}$							$\frac{1}{p_0 + 0}$								$\overline{1+p_0}$	$\frac{1}{p_0 + 1}$	$3 + p_0$	$\frac{p_0 + 2}{p_0 + 2}$				
$\begin{array}{r} 3 & 0 & 1 & 2 \\ 0 & 1 & 2 & 3 \\ 2 & 3 & 0 & 1 \\ \hline 1 & 2 & 3 & 0 \end{array}$	\$235	Right Identity Quasigroup	$\frac{x}{2+p_0}$ $\frac{x}{3+p_0}$			$\overline{p_0+3}$						$\frac{0+p_0}{0+p_0}$	$\frac{1}{p_0 + 0}$	$p_0 + 0$	$\frac{1}{p_0 + 1}$	$\frac{1}{p_0 + 1}$			$\frac{3+p_0}{2+p_0}$		$\frac{1+p_0}{1+p_0}$		$\frac{1}{p_0 + 2}$	$\frac{1}{p_0 + 2}$		
3 0 1 2 2 3 0 1 0 1 2 3 1 2 3 0 3 0 2 1 0 3 1 2 2 1 0 3	s ₂₃₆	Quasigroup	$\frac{3 + p_0}{\frac{x}{p_0 + 3}}$		$p_0 + 3$		$\frac{1}{2+p_0}$					$\frac{0+p_0}{0+p_0}$	$\frac{1}{p_0 + 0}$	$p_0 + 0$		$\frac{p_0+1}{p_0+1}$	$3 + p_0$		$z + p_0$		$1 + p_0$	$\overline{1+p_0}$	P ₀ + 2			$\frac{1}{p_0 + 2}$
$\begin{array}{c} 2103 \\ \hline 1230 \\ 3021 \\ 2103 \\ \hline 0312 \\ \hline 1230 \\ \hline 3102 \\ \end{array}$	0		x	${p_0 + 3}$			$3 + p_0$					$0 + p_0$		$\frac{1}{p_0 + 0}$	$p_0 + 1$		$\frac{1}{2+p_0}$					$1 + p_0$			$\frac{1}{p_0 + 2}$	
$\begin{array}{r} 0 & 3 & 2 & 1 \\ 2 & 0 & 1 & 3 \\ \hline 1 & 2 & 3 & 0 \\ 3 & 1 & 0 & 2 \end{array}$	- 236		x		$p_0 + 3$	$\frac{1}{p_0 + 3}$		$\frac{\overline{2+p_0}}{\overline{3+p_0}}$				$\frac{0+p_0}{0+p_0}$	$p_0 + 0$	$\frac{1}{p_0 + 0}$	$\frac{3+p_0}{2+p_0}$		$\frac{1}{p_0 + 1}$	$p_0 + 1$			$\frac{1}{p_0 + 2}$	$p_0 + 2$	$\frac{1+p_0}{1+p_0}$			
2 0 1 3 0 3 2 1 1 3 0 2 0 1 2 3 2 0 3 1 3 2 1 0 1 3 0 2 0 2 1 3	2-10	Right Identity	$\frac{x}{1+p_0}$			$\frac{p_0+3}{p_0+2}$			$p_0 + 0$			P0	$0 + p_0$. 20	$\frac{1}{2+p_0}$				$\frac{1}{p_0 + 3}$			$\frac{1+p_0}{p_0+1}$			$3 + p_0$
$\begin{array}{r} 2 & 1 & 3 & 0 \\ 3 & 0 & 2 & 1 \\ \hline 1 & 3 & 0 & 2 \\ 0 & 2 & 1 & 3 \\ 3 & 0 & 2 & 1 \end{array}$	24,	Quasigroup	$\frac{x}{p_0+2}$	$\overline{p_0+2}$	$\frac{1+p_0}{1+p_0}$				$\frac{1}{p_0 + 0}$	$\frac{1}{p_0 + 0}$			$\frac{\overline{0+p_0}}{\overline{0+p_0}}$					$\frac{1}{2+p_0}$	$p_0 + 3$			$\frac{3+p_0}{3+p_0}$				$\frac{1}{p_0 + 1}$
3 0 2 1 2 1 3 0 1 3 0 2 0 2 3 1 2 0 1 3 3 1 2 0 1 3 0 2 0 2 3 1	+	Left Identity	p ₀ + 2		$1 + p_0$	$\overline{1+p_0}$	$\overline{p_0+2}$		$\overline{p_0+0}$	$p_0 + 0$			$\frac{0+p_0}{0+p_0}$		${2+p_0}$			$\frac{3+p_0}{p_0+3}$		$p_0 + 3$		$\frac{1}{2 + p_0}$		$3 + p_0$	$\frac{p_0+1}{p_0+1}$	
$\begin{array}{r} 3 & 1 & 2 & 0 \\ 2 & 0 & 1 & 3 \\ \hline 1 & 3 & 0 & 2 \\ 2 & 0 & 1 & 3 \end{array}$	0.2-4		x x			$\frac{1+p_0}{}$		$\frac{1}{p_0 + 2}$		$p_0 + 0$			$0 + p_0$		$\frac{1}{3+p_0}$	_	$p_0 + 3$							$\frac{1}{2+p_0}$		$p_0 + 1$
$\begin{array}{r} 0 & 2 & 3 & 1 \\ 3 & 1 & 2 & 0 \\ \hline 1 & 3 & 0 & 2 \\ 2 & 0 & 1 & 3 \\ 3 & 1 & 2 & 0 \end{array}$	s ₂₄₈	Quasigroup	$\frac{x}{p_0+2}$	$p_0 + 2$		$\frac{2+p_0}{3+p_0}$					$p_0 + 0$	$\frac{1}{p_0 + 0}$	$\frac{0+p_0}{0+p_0}$		$\frac{1+p_0}{1+p_0}$				$\frac{1}{p_0 + 3}$	$p_0 + 3$	$\frac{1}{p_0 + 1}$	$p_0 + 1$		$\frac{3+p_0}{2+p_0}$		
$\begin{array}{c} 0 & 2 & 3 & 1 \\ 1 & 3 & 0 & 2 \\ 2 & 0 & 3 & 1 \\ 0 & 1 & 2 & 3 \\ 3 & 2 & 1 & 0 \end{array}$	s ₂₅₀	Quasigroup	$\frac{x}{2+p_0}$. 10		${p_0 + 2}$			$\frac{1}{p_0 + 0}$		$\frac{0+p_0}{0+p_0}$			$\frac{1+p_0}{1+p_0}$		${p_0 + 3}$			$\frac{p_0+1}{p_0+1}$. 10		${3+p_0}$

1 3 0 2 2 0 3 1 3 2 1 0	s ₂₅₃	Quasigroup	$\begin{array}{c c} p_0 & p_1 \\ \hline \frac{x}{3+p_0} \end{array}$	p_2	<i>p</i> ₃	p ₄	p_5	P6	<i>p</i> ₇	<i>p</i> ₈	$\frac{p_9}{p_0+0}$	<i>p</i> ₁₀	<i>p</i> ₁₁	<i>p</i> ₁₂	p ₁₃	<i>p</i> ₁₄	<i>p</i> ₁₅	P16	<i>p</i> 17	<i>p</i> 18	<i>p</i> ₁₉	<i>p</i> ₂₀	<i>p</i> ₂₁	p ₂₂	p ₂₃
$\begin{array}{c} 3\ 2\ 1\ 0 \\ 0\ 1\ 2\ 3 \\ \hline 1\ 3\ 0\ 2 \\ 2\ 1\ 3\ 0 \\ 0\ 2\ 1\ 3 \\ \hline 3\ 0\ 2\ 1 \\ \hline 1\ 3\ 0\ 2 \\ 2\ 1\ 3\ 0 \end{array}$	s ₂₅₄	Right Identity Quasigroup	x	$\frac{1}{2 + p_0}$		$\frac{p_0+2}{p_0+2}$				$\frac{1}{p_0 + 0}$	p ₀ + 0	$\frac{0+p_0}{0+p_0}$			$\frac{1+p_0}{p_0+3}$	$p_0 + 3$	$\frac{1 + p_0}{1 + p_0}$				$\frac{p_0+1}{3+p_0}$		$\frac{1}{p_0 + 1}$		$2 + p_0$
$ \begin{array}{c} 3 & 0 & 2 & 1 \\ 0 & 2 & 1 & 3 \\ 1 & 3 & 0 & 2 \\ 3 & 0 & 2 & 1 \\ 0 & 2 & 1 & 3 \end{array} $	\$255 \$256	Quasigroup Quasigroup Commutative	x	$\frac{3+p_0}{2+p_0}$			$p_0 + 2$				$p_0 + 0$	$\frac{0+p_0}{0+p_0}$		$p_0 + 3$			$\frac{1+p_0}{3+p_0}$				$\frac{2+p_0}{1+p_0}$	$p_0 + 1$			
$\begin{array}{c} 2\ 1\ 3\ 0 \\ \hline 1\ 3\ 0\ 2 \\ 3\ 0\ 2\ 1 \\ 2\ 1\ 3\ 0 \\ 0\ 2\ 1\ 3 \end{array}$	s ₂₅₇	Quasigroup	x	$\frac{p_0 + 2}{3 + p_0}$	$\frac{1}{p_0 + 2}$							$\frac{p_0 + 0}{0 + p_0}$	$\frac{1}{p_0 + 0}$			${p_0 + 3}$	$\frac{p_0+3}{2+p_0}$			$\frac{1}{p_0 + 1}$	$\frac{p_0 + 1}{1 + p_0}$				
1 3 0 2 3 1 2 0 0 2 3 1 2 0 1 3	s ₂₅₉	Quasigroup Commutative	x		$\frac{2+p_0}{p_0+2}$							$\frac{\overline{0+p_0}}{p_0+0}$		$\frac{3+p_0}{p_0+3}$									$\frac{\overline{1+p_0}}{p_0+1}$		
3 1 2 0 2 0 1 3 0 2 3 1 1 3 0 2 3 2 1 0 2 0 3 1	s ₂₆₀	Quasigroup Quasigroup Right Identity	$\frac{x}{3+p_0} \qquad \frac{p_0+2}{p_0+2}$	$p_0 + 2$	$3 + p_0$							$\frac{\overline{0+p_0}}{\overline{0+p_0}}$	$\frac{\overline{p_0} + 0}{\overline{p_0} + 0}$	$\frac{2+p_0}{p_0+3}$	$\frac{\overline{p_0} + 3}{2 + p_0}$							$p_0 + 1$	$\overline{1+p_0}$	$\frac{1}{p_0 + 1}$	$\frac{1+p_0}{1+p_0}$
$\begin{array}{c} 0 & 1 & 2 & 3 \\ 1 & 3 & 2 & 0 \\ 0 & 1 & 3 & 2 \\ 2 & 0 & 1 & 3 \\ 3 & 2 & 0 & 1 \\ 1 & 3 & 2 & 0 \\ 0 & 1 & 3 & 2 \\ \end{array}$	s ₂₆₄	Quasigroup	x $\frac{1}{1+p_0}$		${p_0 + 3}$			$\frac{1}{p_0 + 0}$					$\frac{1}{0+p_0}$	$\frac{1}{2+p_0}$					${p_0+2}$			${p_0+1}$		$\frac{1}{3+p_0}$	
$\begin{array}{c} 3 & 2 & 0 & 1 \\ 2 & 0 & 1 & 3 \\ \hline 1 & 3 & 2 & 0 \\ 0 & 2 & 1 & 3 \\ 2 & 0 & 3 & 1 \\ 3 & 1 & 0 & 2 \\ \hline 1 & 3 & 2 & 0 \\ \end{array}$	s ₂₆₅	Quasigroup Quasigroup	$\frac{1}{1+p_0}$	$\frac{p_0+3}{1+p_0}$		$\frac{1}{p_0 + 3}$		$\frac{1}{p_0 + 0}$	$p_0 + 0$				$\frac{0+p_0}{0+p_0}$	$3 + p_0$	$\frac{1}{2 + p_0}$		$\frac{1}{p_0 + 2}$	$p_0 + 2$				$3 + p_0$	$p_0 + 1$	$\frac{2+p_0}{p_0+1}$	
$ \begin{array}{r} 0213\\3102\\2031\\\hline 1320\\0231\\2103 \end{array} $	s ₂₆₇	Quasigroup Quasigroup	x x $y_0 + 3$	$1 + p_0$	$\frac{1+p_0}{1+p_0}$		$\frac{1}{p_0 + 3}$	$\frac{1}{p_0 + 0}$	$p_0 + 0$				$\frac{\overline{0+p_0}}{\overline{0+p_0}}$		$3 + p_0$	$\frac{\overline{p_0+2}}{2+\overline{p_0}}$				2 n-		$\frac{1}{2+p_0}$			$\frac{\overline{p_0+1}}{\overline{p_0+1}}$
$\begin{array}{c} 3 & 0 & 1 & 2 \\ 1 & 3 & 2 & 0 \\ 0 & 2 & 3 & 1 \\ 3 & 0 & 1 & 2 \\ 2 & 1 & 0 & 3 \\ 1 & 3 & 2 & 0 \\ 2 & 0 & 1 & 3 \end{array}$	s ₂₇₀	Quasigroup Left Identity	$\frac{x}{p_0+3}$		$\frac{1+p_0}{1+p_0}$			<i>p</i> ₀ + 0	$\frac{1}{p_0 + 0}$				$0 + p_0$ $0 + p_0$			$\frac{2+p_0}{3+p_0}$		$p_0 + 2$	${p_0+2}$	$\frac{3+p_0}{2+p_0}$				$\frac{1}{p_0 + 1}$	p ₀ + 1
0 1 3 2 3 2 0 1 1 3 2 0 2 0 1 3 3 2 0 1 0 1 3 2 1 3 2 0	s ₂₇₂	Quasigroup Quasigroup	$\begin{array}{c} x \\ \hline 2+p_0 \\ \hline \\ x \\ \hline \\ \hline \\ 3+p_0 \\ \hline \end{array}$			$\frac{1}{p_0 + 3}$	$p_0 + 3$			$p_0 + 0$	$\frac{1}{p_0 + 0}$		$\frac{\overline{0+p_0}}{\overline{0+p_0}}$	$\frac{1+p_0}{1+p_0}$		${p_0+2}$	$p_0 + 2$			$p_0 + 1$	$\frac{1}{p_0 + 1}$			$\frac{3+p_0}{2+p_0}$	
$\begin{array}{c} 1 & 3 & 2 & 0 \\ 2 & 0 & 3 & 1 \\ 0 & 2 & 1 & 3 \\ \hline & 3 & 1 & 0 & 2 \\ \hline & 1 & 3 & 2 & 0 \\ 2 & 0 & 3 & 1 \\ 3 & 1 & 0 & 2 \\ \end{array}$	s ₂₇₆	Quasigroup Quasigroup	$\begin{array}{c} x & \overline{p_0 + 3} \\ \hline x \\ \overline{p_0 + 3} \end{array}$	$\frac{1}{2+p_0}$						$\frac{1}{p_0 + 0}$			$\frac{\overline{0+p_0}}{\overline{0+p_0}}$		$1+p_0$				$\frac{1}{p_0 + 2}$		$\frac{1}{p_0 + 1}$	$\frac{1}{3+p_0}$			
$\begin{array}{c} 0 & 2 & 1 & 3 \\ 1 & 3 & 2 & 0 \\ 2 & 1 & 0 & 3 \\ 0 & 2 & 3 & 1 \\ 3 & 0 & 1 & 2 \\ 1 & 3 & 2 & 0 \end{array}$	s ₂₇₈	Left Identity Quasigroup	x x	$3 + p_0$	$\frac{1}{2+p_0}$	${p_0 + 3}$				$\frac{1}{p_0 + 0}$	$p_0 + 0$		$0 + p_0$ $0 + p_0$		$\frac{1+p_0}{p_0+2}$	$\frac{1 + p_0}{1 + p_0}$		$p_0 + 2$		$\frac{p_0+1}{3+p_0}$		$2 + p_0$	${p_0 + 1}$		
2 1 0 3 3 0 1 2 0 2 3 1 1 3 2 0 3 0 1 2 0 2 3 1 2 1 0 3	s ₂₇₉	Quasigroup Quasigroup	x	$\frac{1}{p_0 + 3}$	$\frac{3+p_0}{2+p_0}$		$p_0 + 3$				$p_0 + 0$	$\frac{1}{p_0 + 0}$	$\frac{0+p_0}{0+p_0}$	$p_0 + 2$		$\frac{1+p_0}{3+p_0}$	$\frac{1}{p_0 + 2}$			$\frac{\overline{2+p_0}}{\overline{1+p_0}}$	$\frac{1}{p_0 + 1}$	$p_0 + 1$			
1 3 2 0 3 0 1 2 2 1 0 3 0 2 3 1 1 3 2 0	s ₂₈₁	Quasigroup Commutative	x		$\frac{3+p_0}{p_0+3}$								$\frac{\overline{0+p_0}}{p_0+0}$			$\frac{\overline{2+p_0}}{p_0+2}$				$\frac{\overline{1+p_0}}{p_0+1}$					
3 1 0 2 0 2 1 3 2 0 3 1	s ₂₈₂	Quasigroup	x x	$\frac{2+p_0}{3+p_0}$	$p_0 + 3$							$p_0 + 0$	$\frac{\overline{0+p_0}}{\overline{0+p_0}}$	${p_0 + 2}$	$\frac{3+p_0}{2+p_0}$							$\frac{1+p_0}{1+p_0}$	${p_0 + 1}$		
3 1 0 2 2 0 3 1 0 2 1 3 1 3 2 0 3 2 0 1 0 1 3 2 2 0 1 3	s ₂₈₆	Commutative Quasigroup Left Identity	$\frac{x}{p_0+3} \qquad \frac{2+p_0}{2}$	$\frac{3+p_0}{p_0+3}$								$p_0 + 0$	$\frac{\frac{3+p_0}{p_0+0}}{\frac{0+p_0}{}}$	$3 + p_0$	$\frac{\frac{2+p_0}{p_0+2}}{\frac{p_0+2}{p_0+2}}$							$\frac{1 + p_0}{p_0 + 1}$		$1 + p_0$	$\frac{1}{p_0 + 1}$
$\begin{smallmatrix} 1 & 3 & 2 & 0 \\ 3 & 2 & 0 & 1 \\ 2 & 0 & 1 & 3 \\ 0 & 1 & 3 & 2 \end{smallmatrix}$	s ₂₈₇	Quasigroup Commutative	$\mathbf{x} \qquad \frac{3+p_0}{p_0+3}$										$\frac{\overline{0+p_0}}{p_0+0}$	$\frac{2+p_0}{p_0+2}$										$\frac{\overline{1+p_0}}{p_0+1}$	
$\begin{array}{c} 2 & 0 & 1 & 3 \\ 0 & 1 & 3 & 2 \\ 1 & 3 & 2 & 0 \\ 3 & 2 & 0 & 1 \\ \hline \\ 2 & 0 & 1 & 3 & 2 \\ \hline \\ 0 & 1 & 3 & 2 \\ \end{array}$	\$288	Quasigroup Commutative Quasigroup	$ \begin{array}{c} \mathbf{x} \\ \frac{1+p_0}{p_0+1} \end{array} $										$\frac{\overline{2+p_0}}{p_0+2}$	$\frac{0+p_0}{p_0+0}$										$\frac{3+p_0}{p_0+3}$	
$ \begin{array}{r} 3 & 2 & 0 & 1 \\ 1 & 3 & 2 & 0 \\ 2 & 0 & 1 & 3 \\ 0 & 2 & 3 & 1 \\ 1 & 3 & 0 & 2 \end{array} $	s ₂₈₉	Quasigroup Commutative	$p_0 + 1$ $1 + p_0$		$1+p_0$							$\frac{\overline{p_0 + 2}}{\overline{p_0 + 2}}$	$3 + p_0$	$0 + p_0$ $0 + p_0$	$p_0 + 0$								$3 + p_0$	$2 + p_0$	$p_0 + 3$
$ \begin{array}{c} 3 & 1 & 2 & 0 \\ 2 & 0 & 1 & 3 \\ 0 & 2 & 3 & 1 \\ 3 & 1 & 2 & 0 \\ 1 & 3 & 0 & 2 \\ 2 & 0 & 1 & 3 \end{array} $	s ₂₉₃	Quasigroup	x	$\frac{1}{p_0 + 1}$	$\frac{p_0+1}{1+p_0}$							$\frac{p_0+2}{3+p_0}$	$\frac{1}{p_0 + 2}$	$\frac{p_0 + 0}{0 + p_0}$	$\frac{1}{p_0 + 0}$							$\frac{1}{p_0 + 3}$	$\frac{p_0+3}{2+p_0}$		
2 0 1 3 0 3 2 1 1 2 3 0 3 1 0 2 2 0 1 3 0 3 2 1 3 1 0 2	s ₂₉₄	Quasigroup Commutative Quasigroup	x				$\frac{\overline{1+p_0}}{p_0+1}$				$\frac{2+p_0}{p_0+2}$			$\frac{0+p_0}{p_0+0}$								$\frac{3+p_0}{p_0+3}$			
$\begin{array}{c} 3 & 1 & 0 & 2 \\ 1 & 2 & 3 & 0 \\ 2 & 0 & 1 & 3 \\ 1 & 2 & 3 & 0 \\ 0 & 3 & 2 & 1 \\ 3 & 1 & 0 & 2 \\ 2 & 0 & 1 & 3 \\ 1 & 2 & 3 & 0 \\ 3 & 1 & 0 & 2 \\ 2 & 2 & 2 & 2 \\ 2 & 2 & 2 & 2 \\ 2 & 2 &$	s ₂₉₅	Quasigroup	×		$p_0 + 1$	$p_0 + 1$	$\frac{1+p_0}{2+p_0}$			$p_0 + 2$	$\frac{3+p_0}{1+p_0}$		$\frac{1}{p_0 + 2}$	$\frac{0+p_0}{0+p_0}$	$p_0 + 0$	$\frac{1}{p_0 + 0}$				$\frac{1}{p_0 + 3}$		$\frac{2+p_0}{3+p_0}$	$p_0 + 3$		
$ \begin{array}{c ccccccccccccccccccccccccccccccccccc$	s ₂₉₇	Quasigroup Quasigroup	x	$p_0 + 1$	$\frac{1}{2+p_0}$		$\frac{3+p_0}{p_0+1}$		$\frac{1}{p_0 + 2}$		$\overline{1+p_0}$	$\frac{\overline{p_0} + 2}{1 + p_0}$		$\frac{0+p_0}{0+p_0}$		$\frac{1}{p_0 + 0}$	$\frac{1}{p_0 + 0}$				$\frac{1}{p_0 + 3}$	$\overline{2+p_0}$	${3+p_0}$		$\frac{1}{p_0 + 3}$
$\begin{array}{c} 3 \overline{120} \\ 2013 \\ 1302 \\ 3120 \\ 0231 \\ 2013 \\ 1320 \\ \end{array}$	s ₂₉₉	Quasigroup	x		$\frac{2+p_0}{3+p_0}$	$\frac{1}{p_0 + 1}$	P0 + 1	${p_0 + 2}$	<i>p</i> ₀ + 2			$\frac{1+p_0}{1+p_0}$		$\frac{0 + p_0}{0 + p_0}$		<i>p</i> ₀ + 0	$\frac{1}{p_0 + 0}$						$\frac{3+p_0}{2+p_0}$	$\frac{1}{p_0 + 3}$	p ₀ + 3
$ \begin{array}{r} 0 & 1 & 3 & 2 \\ 3 & 2 & 0 & 1 \\ \hline 2 & 0 & 1 & 3 \\ 1 & 3 & 2 & 0 \\ 3 & 2 & 0 & 1 \end{array} $	s ₃₀₀	Quasigroup Quasigroup	$\begin{array}{c} x \\ \hline 2 + p_0 \\ \hline x \\ \hline \hline 3 + p_0 \\ \end{array}$			$p_0 + 1$	$\frac{1}{p_0 + 1}$			$\frac{1}{p_0+2}$	$p_0 + 2$		$\frac{1+p_0}{1+p_0}$	$\frac{0+p_0}{0+p_0}$		$p_0 + 0$	$\frac{1}{p_0 + 0}$			$\frac{1}{p_0 + 3}$	$p_0 + 3$			$\frac{3+p_0}{2+p_0}$	
$\begin{array}{c} 0 & \overline{1} & \overline{3} & \overline{2} \\ 2 & 0 & \overline{1} & \overline{3} \\ 3 & 1 & 0 & 2 \\ 0 & 3 & 2 & 1 \\ \hline 1 & 2 & 3 & 0 \\ \hline 2 & 0 & \overline{1} & \overline{3} \\ 3 & 1 & 0 & 2 \\ 1 & 2 & 3 & 0 \\ \end{array}$	s ₃₀₅	Quasigroup Quasigroup Left Identity	$ \begin{array}{c c} x & \overline{p_0 + 1} \\ \hline $				$\frac{\overline{2+p_0}}{\overline{3+p_0}}$	$\frac{1}{p_0 + 2}$	$\frac{1}{p_0 + 2}$		$\frac{3+p_0}{2+p_0}$			$\frac{0+p_0}{0+p_0}$				$\frac{1}{p_0 + 0}$	$\frac{1}{p_0 + 0}$			$\frac{1+p_0}{1+p_0}$		$\frac{1}{p_0 + 3}$	${p_0 + 3}$
$\begin{array}{c} 0 & 3 & 2 & 1 \\ 2 & 0 & 1 & 3 \\ 3 & 1 & 2 & 0 \\ 0 & 2 & 3 & 1 \\ 1 & 3 & 0 & 2 \\ 2 & 0 & 1 & 3 \\ 3 & 1 & 2 & 0 \end{array}$	s ₃₀₈	Quasigroup Left Identity	$\frac{\mathbf{x}}{p_0+1}$		$\frac{1}{2 + p_0}$		3 + p ₀		<i>p</i> ₀ + 2		$\frac{2 + p_0}{p_0 + 2}$	$3 + p_0$		$\frac{0 + p_0}{0 + p_0}$				$\frac{1}{p_0 + 0}$	<i>p</i> ₀ + 0	$\frac{1}{p_0 + 3}$		$1 + p_0$	$\frac{1+p_0}{1+p_0}$	P0 + 3	
$\begin{array}{c} 3 & 1 & 2 & 0 \\ 1 & 3 & 0 & 2 \\ 0 & 2 & 3 & 1 \\ 2 & 0 & 1 & 3 \\ 3 & 2 & 0 & 1 \\ 0 & 1 & 3 & 2 \\ 1 & 3 & 2 & 0 \\ 2 & 0 & 1 & 3 \end{array}$	s ₃₀₉	Quasigroup Quasigroup	$\begin{array}{c} x & \overline{p_0 + 1} \\ \\ x & \overline{2 + p_0} \end{array}$	$\frac{1}{p_0 + 1}$	$3 + p_0$				$p_0 + 2$	$p_0 + 2$		$2 + p_0$	${3+p_0}$	$\frac{0+p_0}{0+p_0}$				$\frac{1}{p_0 + 0}$	$p_0 + 0$		$p_0 + 3$		$\frac{1+p_0}{p_0+3}$	$\frac{1+p_0}{1+p_0}$	
$\begin{array}{c} 3 & 2 & 0 & 1 \\ 1 & 3 & 2 & 0 \\ 0 & 1 & 3 & 2 \\ \hline 2 & 0 & 3 & 1 \\ 0 & 1 & 2 & 3 \end{array}$	s ₃₁₁	Quasigroup Quasigroup Right Identity	$\begin{array}{c c} x & \overline{3+p_0} \\ \hline x \\ \overline{1+p_0} & \overline{p_0+1} \end{array}$		$p_0 + 1$			$\frac{1}{p_0 + 2}$				$\frac{1}{2+p_0}$	$\frac{\overline{2+p_0}}{\overline{p_0+3}}$	$\frac{\overline{0+p_0}}{\overline{p_0+0}}$	$0 + p_0$				$p_0 + 0$			${p_0 + 3}$		$\frac{1+p_0}{p_0+2}$	${3+p_0}$
1 3 0 2 3 2 1 0 2 0 3 1 0 2 1 3 1 3 2 0 3 1 0 2 2 0 3 1	s ₃₁₅	Quasigroup	x	$\frac{1+p_0}{1+p_0}$	${p_0 + 1}$							$\frac{2+p_0}{p_0+3}$	$\frac{p_0+3}{2+p_0}$	$\frac{p_0 + 0}{p_0 + 0}$	$\frac{0+p_0}{0+p_0}$							${3+p_0}$	${p_0 + 2}$	P0 + 2	3 + p0
$\begin{array}{c} 0 & 2 & 1 & 3 \\ 3 & 1 & 0 & 2 \\ 1 & 3 & 2 & 0 \\ \hline 2 & 0 & 3 & 1 \\ 0 & 3 & 1 & 2 \\ \end{array}$	s ₃₁₆	Quasigroup Commutative Quasigroup	x	$\frac{1+p_0}{p_0+1}$									$\frac{3+p_0}{p_0+3}$		$\frac{0+p_0}{p_0+0}$							$\frac{2+p_0}{p_0+2}$			
$\begin{array}{c} 1 & 2 & 0 & 3 \\ 3 & 1 & 2 & 0 \\ \hline 2 & 0 & 3 & 1 \\ 0 & 3 & 1 & 2 \\ 3 & 1 & 2 & 0 \\ 1 & 2 & 0 & 3 \\ \end{array}$	s ₃₁₉	Quasigroup Commutative	×			$\frac{1+p_0}{1+p_0}$ $\frac{1+p_0}{p_0+1}$	$p_0 + 1$			$\frac{3+p_0}{p_0+3}$	$p_0 + 3$			$p_0 + 0$	$\frac{0+p_0}{0+p_0}$ $\frac{0+p_0}{p_0+0}$							$p_0 + 2$	$\frac{3+p_0}{2+p_0}$ $\frac{2+p_0}{p_0+2}$		
$\begin{array}{c} 2 & 0 & 3 & 1 \\ 1 & 2 & 0 & 3 \\ 0 & 3 & 1 & 2 \\ 3 & 1 & 2 & 0 \\ 2 & 0 & 3 & 1 \\ 1 & 2 & 0 & 3 \end{array}$	s ₃₂₀	Quasigroup	×		$\frac{1}{p_0 + 1}$	$\frac{2+p_0}{2+p_0}$				$\frac{1+p_0}{1+p_0}$			${p_0 + 3}$		$0 + p_0$	$\frac{1}{p_0 + 0}$				${p_0 + 2}$			$\frac{70+2}{3+p_0}$		
$\begin{array}{c} 3 & 1 & 2 & 0 \\ 0 & 3 & 1 & 2 \\ 2 & 0 & 3 & 1 \\ 1 & 3 & 0 & 2 \\ 0 & 1 & 2 & 3 \\ 3 & 2 & 1 & 0 \\ 2 & 0 & 3 & 1 \\ 1 & 3 & 0 & 2 \\ \end{array}$	s ₃₂₁	Quasigroup Quasigroup Right Identity	$\frac{x}{2+p_0}$	$p_0 + 1$		$\frac{3+p_0}{p_0+1}$				$1 + p_0$	${p_0 + 3}$	$\frac{p_0+3}{1+p_0}$			$\frac{0+p_0}{0+p_0}$	$\frac{1}{p_0 + 0}$	$p_0 + 0$				$\frac{p_0+2}{p_0+2}$		$2 + p_0$		${3+p_0}$
$\begin{array}{r} 3 & 2 & 1 & 0 \\ 0 & 1 & 2 & 3 \\ \hline 2 & 0 & 3 & 1 \\ 1 & 3 & 2 & 0 \end{array}$	s ₃₂₅	Quasigroup Right Identity Quasigroup	$\frac{x}{3+p_0}$	$\frac{1}{2+p_0}$			$\frac{\overline{p_0+1}}{\overline{p_0+1}}$		$\frac{1}{p_0 + 3}$	${p_0 + 3}$		$1 + p_0$	$\frac{1+p_0}{1+p_0}$		$\frac{\overline{0+p_0}}{\overline{0+p_0}}$	$\frac{1}{p_0 + 0}$	$p_0 + 0$			${p_0+2}$		${3+p_0}$			$\frac{\overline{2+p_0}}{\overline{p_0+2}}$
$\begin{array}{c} 0\ 2\ 1\ 3 \\ 3\ 1\ 0\ 2 \\ 2\ 0\ 3\ 1 \\ 1\ 3\ 2\ 0 \\ 3\ 1\ 0\ 2 \\ 0\ 2\ 1\ 3 \\ 2\ 0\ 3\ 1 \\ 3\ 1\ 0\ 2 \\ 0\ 2\ 0\ 3\ 1 \\ 3\ 1\ 0\ 2 \\ 0\$	\$327 \$328	Quasigroup Quasigroup	$\frac{x}{p_0+1}$	$3 + p_0$		$p_0 + 1$		$\frac{1}{p_0 + 3}$					$\overline{1+p_0}$		$0 + p_0$		$p_0 + 0$					$\frac{1}{2+p_0}$		$\frac{1}{p_0 + 2}$	
$\begin{array}{c} 0 & 2 & 1 & 3 \\ 1 & 3 & 2 & 0 \\ 2 & 0 & 3 & 1 \\ 3 & 1 & 0 & 2 \\ 1 & 3 & 2 & 0 \\ 0 & 2 & 1 & 3 \\ 2 & 0 & 3 & 1 \\ 3 & 1 & 2 & 0 \end{array}$	s ₃₂₈	Left Identity Quasigroup	$p_0 + 1$ x $p_0 + 1$	$\frac{2+p_0}{3+p_0}$						$\frac{1}{p_0 + 3}$	$p_0 + 3$		$\frac{3+p_0}{2+p_0}$		$\frac{0+p_0}{0+p_0}$			$p_0 + 0$	$\frac{1}{p_0 + 0}$	$p_0 + 2$	$\frac{1}{p_0 + 2}$	$\frac{1+p_0}{1+p_0}$			
$ \begin{array}{r} 0 & 3 & 1 & 2 \\ 1 & 2 & 0 & 3 \\ \hline 2 & 0 & 3 & 1 \\ 3 & 1 & 2 & 0 \\ 1 & 2 & 0 & 3 \end{array} $	s ₃₃₁	Quasigroup Quasigroup Left Identity	$ \begin{array}{c} x \\ \hline $			$\frac{2+p_0}{3+p_0}$		${p_0 + 3}$	$\frac{1}{p_0 + 3}$	$\frac{3+p_0}{2+p_0}$					$\frac{0+p_0}{0+p_0}$			$\frac{1}{p_0 + 0}$	$\frac{1}{p_0 + 0}$				$\frac{1+p_0}{1+p_0}$	$\frac{1}{p_0 + 2}$	$\overline{p_0+2}$
$\begin{array}{c} 0 & 3 & 1 & 2 \\ 2 & 0 & 3 & 1 \\ 3 & 2 & 1 & 0 \\ 1 & 3 & 0 & 2 \\ 0 & 1 & 2 & 3 \\ 2 & 1 & 0 & 3 \\ 0 & 2 & 3 & 1 \\ 1 & 3 & 2 & 0 \\ 1 & 3 & 2 & 0 \\ \end{array}$	s335	Quasigroup Right Identity Quasigroup	$\frac{x}{3+p_0}$		$\frac{1}{p_0 + 1}$	PU		${p_0 + 3}$. 10		$\frac{1}{2+p_0}$			$\frac{0+p_0}{0+p_0}$				$\frac{p_0 + 0}{p_0 + 0}$			${p_0+2}$. 10		$\frac{1+p_0}{1+p_0}$
1 3 2 0 3 0 1 2 2 1 0 3 0 2 3 1 3 0 1 2 1 3 2 0 2 1 0 3 0 3 1 2	s ₃₃₆	Quasigroup	x		$\frac{1+p_0}{1+p_0}$	$\frac{1}{p_0 + 2}$	$p_0 + 2$			$\frac{1}{p_0 + 1}$	$p_0 + 1$		$\frac{2+p_0}{3+p_0}$	$p_0 + 0$	$\frac{1}{p_0 + 0}$	$\frac{\overline{0+p_0}}{\overline{0+p_0}}$				$\frac{3+p_0}{2+p_0}$		$p_0 + 3$	${p_0 + 3}$		
$ \begin{array}{r} 1230 \\ 3021 \\ 2103 \\ 0312 \\ 3021 \end{array} $	s ₃₃₈	Quasigroup Quasigroup Left Identity	$ \begin{array}{c} x \\ \hline $			$\frac{1+p_0}{1+p_0}$					$\frac{2+p_0}{3+p_0}$	$\frac{1}{p_0 + 1}$	${p_0+1}$	$\frac{1}{p_0 + 0}$	$\frac{1}{p_0 + 0}$	$\frac{\overline{0+p_0}}{\overline{0+p_0}}$					$\frac{3+p_0}{2+p_0}$			${p_0 + 3}$	$\frac{1}{p_0 + 3}$
$\begin{array}{c} 1 & 2 & 3 & 0 \\ 2 & 1 & 0 & 3 \\ 0 & 3 & 2 & 1 \\ 1 & 0 & 3 & 2 \\ 3 & 2 & 1 & 0 \\ 2 & 1 & 0 & 3 \\ 0 & 3 & 2 & 1 \end{array}$	s ₃₄₀	Quasigroup Quasigroup	x x		${p_0+2}$. 10	$\frac{1+p_0}{}$		$\frac{1}{2+p_0}$. 10	$\frac{p_0 + 1}{p_0 + 1}$		$\frac{1}{p_0 + 0}$		$0 + p_0$. 10		${p_0 + 3}$		$3 + p_0$
$\begin{array}{c} 3 \ 2 \ 1 \ 0 \\ 1 \ 0 \ 3 \ 2 \\ 2 \ 1 \ 0 \ 3 \\ 1 \ 0 \ 3 \ 2 \\ 3 \ 2 \ 1 \ 0 \\ 0 \ 3 \ 2 \ 1 \end{array}$	s ₃₄₃	Quasigroup	x	$p_0 + 2$		$\frac{1}{p_0 + 2}$	$\frac{1+p_0}{3+p_0}$	$\frac{1}{p_0 + 1}$	$\frac{3+p_0}{1+p_0}$				$p_0 + 1$		$p_0 + 0$	$\frac{\overline{0+p_0}}{\overline{0+p_0}}$	$\frac{1}{p_0 + 0}$					$p_0 + 3$		$\frac{1}{p_0 + 3}$	$\frac{2+p_0}{2+p_0}$
2 1 0 3 1 2 3 0 0 3 1 2 3 0 2 1 2 1 0 3 1 2 3 0	s ₃₄₆	Quasigroup Commutative	x			$\frac{2+p_0}{p_0+2}$					$\frac{\overline{1+p_0}}{p_0+1}$					$\frac{\overline{0+p_0}}{p_0+0}$					$\frac{\overline{3+p_0}}{p_0+3}$				
1 2 3 0 3 0 2 1 0 3 1 2 2 1 0 3 1 3 2 0 0 2 3 1 3 0 1 2	s ₃₄₉	Quasigroup Quasigroup Commutative	x		$\frac{2+p_0}{p_0+2}$	$3 + p_0$	$p_0 + 2$			$p_0 + 1$	$1 + p_0$		$1+p_0$			$0 + p_0$ $0 + p_0$	$p_0 + 0$			$\frac{1}{p_0 + 3}$ $\frac{3 + p_0}{3 + p_0}$	$\frac{1}{2 + p_0}$				
3 0 1 2 2 1 0 3 1 3 2 0 3 0 1 2 0 2 3 1 2 1 0 3 3 0 1 2	s ₃₅₁	Quasigroup	x	$\frac{1}{p_0 + 2}$	$\frac{\overline{p_0 + 2}}{3 + p_0}$							$\frac{1}{p_0 + 1}$	$\frac{\overline{p_0 + 1}}{1 + p_0}$			$\frac{\overline{p_0 + 0}}{\overline{0 + p_0}}$	$\frac{1}{p_0 + 0}$			$p_0 + 3$	$\frac{1}{p_0 + 3}$				
$ \begin{array}{r} 0 & 2 & 3 & 1 \\ 1 & 3 & 2 & 0 \\ 2 & 1 & 0 & 3 \\ 3 & 0 & 1 & 2 \\ 1 & 3 & 2 & 0 \end{array} $	s ₃₅₂	Quasigroup Quasigroup Left Identity	$ \begin{array}{c} x \\ \hline $		$\frac{2+p_0}{3+p_0}$			$\frac{1}{p_0 + 1}$	$\frac{1}{p_0 + 1}$				$\frac{3+p_0}{2+p_0}$			$\frac{\overline{0+p_0}}{\overline{0+p_0}}$		$\frac{1}{p_0 + 0}$	$\frac{1}{p_0 + 0}$	$\frac{1+p_0}{1+p_0}$				$\frac{1}{p_0 + 3}$	${p_0 + 3}$
$\begin{array}{c} 0231 \\ 2103 \\ 3021 \\ 0312 \\ 1230 \\ 2103 \\ 3021 \\ \end{array}$	s ₃₅₆	Quasigroup	x x	$\frac{1}{p_0 + 2}$		$2+p_0$			$\frac{p_0 + 1}{p_0 + 1}$		$3+p_0$					$0 + p_0$		$\frac{1}{p_0 + 0}$			$1+p_0$		${p_0 + 3}$		
$\begin{array}{c} 1 & 2 & 3 & 0 \\ 0 & 3 & 1 & 2 \\ 2 & 1 & 0 & 3 \\ 3 & 2 & 1 & 0 \\ 1 & 0 & 3 & 2 \\ 0 & 3 & 2 & 1 \\ 2 & 1 & 3 & 0 \end{array}$	s ₃₅₇	Quasigroup	x $y_0 + 2$		$p_0 + 2$	$3 + p_0$	$3 + p_0$	$p_0 + 1$	$\frac{1}{2 + p_0}$	$\frac{1}{p_0 + 1}$	$2 + p_0$					$\frac{0+p_0}{0+p_0}$			$\frac{\overline{p_0} + 0}{\overline{p_0} + 0}$		$\frac{1+p_0}{p_0+3}$	$p_0 + 3$			$\frac{1+p_0}{1+p_0}$
$ \begin{array}{c} 0 & 2 & 1 & 3 \\ 1 & 3 & 0 & 2 \\ 3 & 0 & 2 & 1 \\ 2 & 1 & 3 & 0 \\ 0 & 2 & 1 & 3 \\ 3 & 0 & 2 & 1 \end{array} $	s ₃₆₀	Quasigroup Quasigroup	x x	$\frac{1+p_0}{1+p_0}$		$\frac{1}{p_0 + 3}$	${p_0 + 3}$			$\frac{1}{p_0 + 1}$	${p_0+1}$	$\frac{2+p_0}{3+p_0}$		$\frac{1}{p_0 + 0}$	$\frac{1}{p_0 + 0}$		$\frac{\overline{0+p_0}}{\overline{0+p_0}}$				$\frac{3+p_0}{2+p_0}$	${p_0 + 2}$	$\frac{1}{p_0 + 2}$		
1302 2130 0312 1023 3201 2130 0312	s ₃₆₂	Quasigroup Quasigroup	x		${p_0 + 3}$	$1 + p_0$		$\frac{1}{2+p_0}$				$\frac{1}{p_0+1}$		$\frac{1}{p_0 + 0}$			$0 + p_0$						$\frac{p_0 + 2}{p_0 + 2}$		
$\begin{array}{c} 3 & 2 & 0 & 1 \\ 1 & 0 & 2 & 3 \\ 2 & 1 & 3 & 0 \\ 0 & 3 & 2 & 1 \\ 1 & 2 & 0 & 3 \\ 3 & 0 & 1 & 2 \\ 2 & 1 & 3 & 0 \end{array}$	s ₃₆₅	Quasigroup	$\frac{x}{p_0+3}$	$p_0 + 3$		$\overline{1+p_0}$	$\frac{1+p_0}{1+p_0}$	$3 + p_0$		$\frac{1}{2+p_0}$			$\frac{\overline{p_0+1}}{\overline{p_0+1}}$	$\frac{1}{p_0 + 0}$	$\overline{p_0+0}$		$\frac{0+p_0}{0+p_0}$			$3 + p_0$		$\overline{p_0+2}$		$\frac{\overline{2+p_0}}{\overline{p_0+2}}$	
$\begin{array}{c} 2 & 1 & 3 & 0 \\ 0 & 3 & 2 & 1 \\ 3 & 0 & 1 & 2 \\ 1 & 2 & 0 & 3 \end{array}$	s ₃₆₇	Quasigroup Left Identity	$\frac{x}{p_0+3}$				$\overline{1+p_0}$			$3 + p_0$		${p_0 + 1}$			$p_0 + 0$		$0 + p_0$			$\frac{1}{2+p_0}$					$\frac{1}{p_0 + 2}$

$\begin{smallmatrix} 2 & 1 & 3 & 0 \\ & 1 & 0 & 2 & 3 \end{smallmatrix}$		Quasignoup	p_0 p_1	p_2	<i>p</i> ₃	<i>p</i> ₄	p_5	<i>p</i> ₆	<i>p</i> 7	<i>p</i> ₈	<i>p</i> 9	p ₁₀	<i>p</i> ₁₁	p ₁₂	p ₁₃	p ₁₄	P ₁₅	P16	<i>p</i> 17	p ₁₈	<i>p</i> 19	<i>p</i> 20	p ₂₁	p ₂₂	p ₂₃
$\begin{array}{r} 0 & 3 & 1 & 2 \\ 3 & 2 & 0 & 1 \\ \hline 2 & 1 & 3 & 0 \\ 1 & 0 & 2 & 3 \\ 3 & 2 & 0 & 1 \\ \end{array}$	\$368 \$369	Quasigroup Quasigroup Commutative	x			$\frac{2+p_0}{3+p_0}$	$p_0 + 3$	$\frac{1+p_0}{1+p_0}$	$p_0 + 1$							$p_0 + 0$	$0 + p_0$ $0 + p_0$							$\frac{3+p_0}{2+p_0}$	$p_0 + 2$
0 3 1 2 2 1 3 0 1 2 0 3 0 3 2 1 3 0 1 2	s ₃₇₁	Quasigroup	x			$\frac{p_0+3}{p_0+3}$	$\frac{1}{2+p_0}$	$p_0 + 1$		$\frac{1+p_0}{1+p_0}$	$\frac{1}{p_0 + 1}$					$\frac{1}{p_0 + 0}$	$\frac{p_0 + 0}{0 + p_0}$			${3+p_0}$	$\frac{1}{p_0 + 2}$			$p_0 + 2$	
$\begin{array}{c} 2 & 1 & 3 & 0 \\ 1 & 2 & 0 & 3 \\ 3 & 0 & 1 & 2 \\ 0 & 3 & 2 & 1 \end{array}$	s ₃₇₂	Quasigroup Commutative	x				$\frac{\overline{3+p_0}}{p_0+3}$			$\frac{\overline{1+p_0}}{p_0+1}$							$\frac{\overline{0+p_0}}{p_0+0}$			$\frac{\overline{2+p_0}}{p_0+2}$					
2 1 3 0 1 3 0 2 0 2 1 3 3 0 2 1	s ₃₇₄	Quasigroup Quasigroup	x	$\frac{1}{2+p_0}$	${p_0 + 3}$							$\frac{1+p_0}{}$	$\frac{1}{p_0 + 1}$			$\frac{1}{p_0 + 0}$	$0 + p_0$			${p_0+2}$	$3 + p_0$				
1 3 0 2 3 0 2 1 0 2 1 3 2 1 3 0 3 0 1 2	s ₃₇₅	Commutative	x	$\frac{3+p_0}{p_0+3}$								$\frac{1+p_0}{p_0+1}$					$\frac{0 + p_0}{p_0 + 0}$				$\frac{2+p_0}{p_0+2}$				
$\begin{array}{c} 0 & 3 & 2 & 1 \\ 1 & 2 & 0 & 3 \\ 2 & 1 & 3 & 0 \\ 3 & 0 & 1 & 2 \\ 1 & 2 & 0 & 3 \\ 0 & 3 & 2 & 1 \\ 2 & 1 & 3 & 0 \\ \end{array}$	s ₃₇₇	Quasigroup	x	$p_0 + 3$	$\frac{1}{p_0 + 3}$		$\frac{2+p_0}{3+p_0}$	$\frac{1}{p_0 + 1}$	$p_0 + 1$	$\frac{3+p_0}{2+p_0}$							$0 + p_0$ $0 + p_0$	$p_0 + 0$	$\frac{1}{p_0 + 0}$	$\frac{1+p_0}{1+p_0}$		$\frac{1}{p_0 + 2}$	$p_0 + 2$		
$ \begin{array}{r} 3 & 0 & 2 & 1 \\ 0 & 2 & 1 & 3 \\ 1 & 3 & 0 & 2 \\ \hline 2 & 1 & 3 & 0 \\ 3 & 0 & 2 & 1 \end{array} $	\$378	Quasigroup Quasigroup	$\frac{\mathbf{x}}{\mathbf{p}_0 + 3}$	$\frac{1}{2+p_0}$				$\frac{1}{p_0 + 1}$				$3 + p_0$					$0 + p_0$	$p_0 + 0$			$1 + p_0$				$p_0 + 2$
$ \begin{array}{c} 1 & 3 & 0 & 2 \\ 0 & 2 & 1 & 3 \\ 2 & 1 & 3 & 0 \\ 3 & 2 & 0 & 1 \\ 0 & 3 & 1 & 2 \\ 1 & 0 & 2 & 3 \end{array} $	s ₃₈₁	Left Identity Quasigroup Left Identity	$\frac{p_0 + 3}{x}$ $\frac{x}{p_0 + 3}$	$3 + p_0$		$\frac{1}{2+p_0}$		${3+p_0}$	$p_0 + 1$		$\overline{p_0+1}$	$2 + p_0$					$0 + p_0$ $0 + p_0$	$\overline{p_0+0}$	$p_0 + 0$	${p_0 + 2}$	$1 + p_0$			$\frac{p_0+2}{1+p_0}$	
$\begin{array}{c} 1 & 0 & 2 & 3 \\ 2 & 1 & 3 & 0 \\ 3 & 2 & 0 & 1 \\ 1 & 0 & 2 & 3 \\ 0 & 3 & 1 & 2 \\ 2 & 3 & 0 & 1 \\ 0 & 1 & 2 & 3 \\ 1 & 2 & 3 & 0 \end{array}$	s ₃₈₃	Quasigroup Quasigroup	$\frac{x}{p_0+3}$			${3+p_0}$		$\frac{1}{2+p_0}$		$p_0 + 1$							$0 + p_0$		$p_0 + 0$		$p_0 + 2$			$\overline{1+p_0}$	
$\begin{array}{r} 3 & 0 & 1 & 2 \\ 2 & 3 & 0 & 1 \\ 0 & 1 & 2 & 3 \\ 3 & 0 & 1 & 2 \end{array}$	s ₃₈₅	Right Identity Quasigroup Right Identity	$\frac{x}{1+p_0}$ $\frac{x}{1+p_0}$	$\frac{1}{p_0+2}$	$p_0 + 2$						$\frac{2+p_0}{3+p_0}$	$p_0 + 3$	$\frac{1}{p_0 + 3}$	$p_0 + 0$	$\frac{1}{p_0 + 0}$			$\frac{0+p_0}{0+p_0}$		$\frac{3+p_0}{2+p_0}$		$\frac{1}{p_0 + 1}$	$p_0 + 1$		
$\begin{array}{c} 1 & 2 & 3 & 0 \\ 2 & 3 & 0 & 1 \\ 0 & 1 & 3 & 2 \\ 1 & 0 & 2 & 3 \\ 3 & 2 & 1 & 0 \\ 2 & 3 & 0 & 1 \\ 0 & 1 & 3 & 2 \\ \end{array}$	s ₃₈₈	Quasigroup Quasigroup	$\frac{1}{1+p_0}$				${p_0 + 2}$	${2+p_0}$			${p_0 + 3}$			${p_0 + 0}$				$0 + p_0$				$\frac{1}{p_0 + 1}$			$3 + p_0$
$\begin{array}{c} 3 & 2 & 1 & 0 \\ 1 & 0 & 2 & 3 \\ 2 & 3 & 0 & 1 \\ 0 & 2 & 1 & 3 \\ 1 & 0 & 3 & 2 \\ 3 & 1 & 2 & 0 \\ 2 & 3 & 0 & 1 \end{array}$	s ₃₈₉	Quasigroup	$\begin{array}{c} x \\ \hline 1+p_0 \\ \hline \\ x \\ \hline p_0+2 \\ \end{array}$	$\overline{1+p_0}$		$p_0 + 2$		$3 + p_0$	$\frac{1}{2+p_0}$	$p_0 + 3$			${p_0 + 3}$	$\frac{1}{p_0 + 0}$	$p_0 + 0$			$\frac{0+p_0}{0+p_0}$					$\frac{p_0+1}{3+p_0}$	$\frac{1}{p_0 + 1}$	$2 + p_0$
$\begin{array}{c} 2\ 3\ 0\ 1 \\ 1\ 0\ 2\ 3 \\ 0\ 1\ 3\ 2 \\ 3\ 2\ 1\ 0 \\ \hline 2\ 3\ 0\ 1 \\ 1\ 0\ 2\ 3 \end{array}$	s ₃₉₂	Quasigroup	$\frac{1}{2+p_0}$		${p_0 + 2}$			$\overline{1+p_0}$					$p_0 + 3$			$\frac{1}{p_0 + 0}$		$0 + p_0$		${p_0+1}$					$3 + p_0$
$ \begin{array}{r} 3 2 1 0 \\ 0 1 3 2 \\ 2 3 0 1 \\ 1 0 3 2 \\ 0 2 1 3 \end{array} $	\$393 \$395	Quasigroup Quasigroup	$\frac{x}{3+p_0}$	$\frac{\overline{p_0} + 2}{2 + p_0}$		$\frac{1}{p_0+2}$		$\overline{1+p_0}$	$\overline{1+p_0}$		$\frac{1}{p_0 + 3}$	$p_0 + 3$				$\frac{1}{p_0 + 0}$	$p_0 + 0$	$\frac{0+p_0}{0+p_0}$			$\frac{\overline{p_0+1}}{\overline{p_0+1}}$		${3+p_0}$		$2 + p_0$
3 1 2 0 2 3 0 1 1 0 3 2 3 1 2 0 0 2 1 3 2 3 0 1 1 2 3 0	s396	Quasigroup Quasigroup	x	$3 + p_0$			${p_0+2}$		$\frac{1+p_0}{1+p_0}$	${p_0 + 3}$							$\frac{1}{p_0 + 0}$	$0 + p_0$		${p_0+1}$			$\frac{1}{2+p_0}$		
3 0 1 2 0 1 2 3 2 3 0 1 3 0 1 2 1 2 3 0 0 1 2 3 2 3 0 1 3 1 2 0	s ₃₉₉	Right Identity Quasigroup Right Identity	$\frac{x}{3+p_0}$ $\frac{p_0+2}{3+p_0}$			$p_0 + 2$		$p_0 + 3$		$\frac{1}{p_0 + 3}$	$\frac{1+p_0}{2+p_0}$						$p_0 + 0$	$\frac{0+p_0}{0+p_0}$	$\frac{1}{p_0 + 0}$	$\frac{2+p_0}{1+p_0}$	$\frac{1}{p_0 + 1}$			$p_0 + 1$	
9213 2310	s ₄₀₃	Quasigroup Quasigroup	x	${3+p_0}$	$\frac{1}{p_0 + 2}$			$\frac{1}{p_0 + 3}$	$2 + p_0$								_	$\frac{1}{0+p_0}$	$\frac{1}{p_0 + 0}$				$\frac{1+p_0}{1+p_0}$		
1 0 3 2 3 2 0 1 2 3 1 0 0 1 2 3	s ₄₀₈	Right Identity Quasigroup Right Identity	$\frac{x}{1+p_0}$ $\frac{x}{1+p_0}$			$\frac{1}{p_0 + 3}$	$p_0 + 3$		$\frac{2+p_0}{3+p_0}$	$\frac{1}{p_0 + 2}$	$p_0 + 2$			$p_0 + 0$	$\frac{1}{p_0 + 0}$				$\frac{0+p_0}{0+p_0}$			$p_0 + 1$		$\frac{3+p_0}{2+p_0}$	
3 2 0 1 1 0 3 2 2 3 1 0 0 1 3 2 1 2 0 3 3 0 2 1 2 3 1 0 0 1 3 2	s ₄₁₁	Quasigroup	$\frac{1}{1+p_0}$		${p_0 + 3}$					$\frac{1}{2+p_0}$		$\frac{1}{p_0 + 2}$		$\frac{1}{p_0 + 0}$					$\frac{0+p_0}{0+p_0}$		$3 + p_0$		$\frac{1}{p_0+1}$		
3 0 2 1 1 2 0 3 2 3 1 0 0 2 3 1 1 0 2 3	s ₄₁₂	Quasigroup Quasigroup	$ \begin{array}{ccc} x & \overline{1+p_0} \\ x & \overline{p_0+3} \end{array} $	$p_0 + 3$	$\frac{1+p_0}{1+p_0}$			$\frac{1}{2+p_0}$		$3 + p_0$			$\frac{\overline{p_0+2}}{\overline{p_0+2}}$	$\frac{1}{p_0 + 0}$	$p_0 + 0$				$\frac{0+p_0}{0+p_0}$		$2 + p_0$	$\frac{\overline{p_0+1}}{3+p_0}$		$\overline{p_0+1}$	
0 1 3 2 3 0 2 1 1 2 0 3 2 3 1 0 1 0 2 3 1 1 0 2 3 3 1 0 2 2 3 1 0 1 0 2 3 1 0 2 3 1 0 2 3 1 0 2 3 1 0 2 3 2 3 1 0	s ₄₁₅	Quasigroup Left Identity	$\frac{\mathbf{x}}{p_0+3}$		$\frac{1+p_0}{1+p_0}$			$3 + p_0$				$\frac{1}{p_0 + 2}$			$\frac{1}{p_0 + 0}$				$0 + p_0$			$\frac{1}{2+p_0}$			$\frac{1}{p_0 + 1}$
$\begin{array}{r} 3 & 1 & 0 & 2 \\ \hline 2 & 3 & 1 & 0 \\ 1 & 0 & 2 & 3 \\ 3 & 1 & 0 & 2 \end{array}$	s ₄₁₇	Quasigroup Quasigroup	×		$\frac{2+p_0}{3+p_0}$	$p_0 + 3$	$\frac{1}{p_0 + 3}$	$\frac{1+p_0}{1+p_0}$		$\frac{1}{p_0 + 2}$	$p_0 + 2$					$p_0 + 0$	$\frac{1}{p_0 + 0}$		$\frac{\overline{0+p_0}}{\overline{0+p_0}}$	${p_0+1}$	$p_0 + 1$	$\frac{3+p_0}{2+p_0}$			
$\begin{array}{c} 0 & 2 & 3 & 1 \\ 2 & 3 & 1 & 0 \\ 1 & 0 & 3 & 2 \\ 0 & 1 & 2 & 3 \\ 3 & 2 & 0 & 1 \\ 2 & 3 & 1 & 0 \\ 1 & 0 & 3 & 2 \\ \end{array}$	s ₄₂₀	Quasigroup Right Identity Quasigroup	$\frac{x}{2+p_0}$		${p_0 + 3}$				$1 + p_0$				${p_0 + 2}$			$\frac{1}{p_0 + 0}$			$0 + p_0$	${p_0 + 1}$				$3 + p_0$	
$\begin{array}{c} 3 & 2 & 0 & 1 \\ 0 & 1 & 2 & 3 \\ \hline 2 & 3 & 1 & 0 \\ 1 & 2 & 0 & 3 \\ 0 & 1 & 3 & 2 \\ 3 & 0 & 2 & 1 \end{array}$	s ₄₂₁	Right Identity Quasigroup	$\frac{\mathbf{x}}{3+p_0}$ \mathbf{x} $\frac{2+p_0}{2+p_0}$	$p_0 + 3$			$\frac{1}{p_0 + 3}$		$\frac{1+p_0}{p_0+2}$	$\frac{1+p_0}{1+p_0}$		$p_0 + 2$				$\frac{1}{p_0 + 0}$	$p_0 + 0$		$\frac{0+p_0}{0+p_0}$		$\frac{p_0+1}{3+p_0}$			$2 + p_0$	$\frac{1}{p_0 + 1}$
3 0 2 1 2 3 1 0 1 2 0 3 3 0 2 1 0 1 3 2 2 3 1 0 3 0 2 1	s ₄₂₃	Quasigroup Quasigroup	$\frac{\mathbf{x}}{\mathbf{x}}$			$\frac{1}{p_0 + 3}$		$\frac{1}{p_0 + 2}$		$\frac{1+p_0}{1+p_0}$							$\frac{1}{p_0 + 0}$		$0 + p_0$		$2 + p_0$			$\frac{1}{p_0 + 1}$	
$\begin{array}{c} 0 & 1 & 3 & 2 \\ 1 & 2 & 0 & 3 \end{array}$ $\begin{array}{c} 2 & 3 & 1 & 0 \\ 3 & 0 & 2 & 1 \\ 1 & 2 & 0 & 3 \\ 0 & 1 & 3 & 2 \end{array}$	s ₄₂₄	Left Identity Quasigroup Commutative	$p_0 + 3$ $2 + p_0$ $p_0 + 3$ $3 + p_0$ $p_0 + 3$							$\frac{3+p_0}{2+p_0}$	$p_0 + 2$							$p_0 + 0$	$\frac{0+p_0}{0+p_0}$	$p_0 + 1$	$\frac{1+p_0}{\frac{1+p_0}{p_0+1}}$				
$\begin{array}{c} 2\ 3\ 1\ 0 \\ 3\ 1\ 0\ 2 \\ 0\ 2\ 3\ 1 \\ 1\ 0\ 2\ 3 \end{array}$	s ₄₂₆	Quasigroup	p ₀ + 3	$p_0 + 3$	$\frac{1}{2 + p_0}$			$3 + p_0$	$p_0 + 2$	$p_0 + 2$								$\frac{1}{p_0 + 0}$	$\frac{p_0 + 0}{0 + p_0}$		$p_0 + 1$	$\overline{1+p_0}$	$\frac{1}{p_0 + 1}$		
2 3 1 0 3 1 0 2 1 0 2 3 0 2 3 1 3 0 1 2	s ₄₂₇	Quasigroup Commutative	x		$\frac{3+p_0}{p_0+3}$			$\frac{\overline{2+p_0}}{p_0+2}$											$\frac{\overline{0+p_0}}{p_0+0}$			$\frac{\overline{1+p_0}}{p_0+1}$			
0 1 2 3 2 3 0 1 1 2 3 0 3 0 1 2 0 2 3 1 1 3 2 0	s ₄₃₃	Quasigroup Right Identity Quasigroup	$\frac{x}{1+p_0}$ ${p_0+1}$		1 + no					$\overline{p_0+2}$	$3 + p_0$		2 + no			3 + no		$\frac{1}{2 + p_0}$	$p_0 + 3$	$\frac{0+p_0}{0+p_0}$	$p_0 + 0$				
$\begin{array}{c} 2 & 1 & 0 & 3 \\ \hline 3 & 0 & 1 & 2 \\ 0 & 2 & 3 & 1 \\ 2 & 1 & 0 & 3 \end{array}$	s ₄₃₄	Commutative Quasigroup	×	$\frac{1}{p_0 + 1}$	$\frac{1+p_0}{p_0+1}$ $\frac{1+p_0}{1+p_0}$							$\frac{1}{p_0 + 2}$	$\frac{2+p_0}{p_0+2}$ $\frac{3+p_0}{3+p_0}$			$\frac{3+p_0}{p_0+3}$ $\frac{3+p_0}{p_0+3}$	$\frac{1}{p_0 + 3}$			$\frac{0+p_0}{p_0+0}$ $\frac{0+p_0}{0+p_0}$	$\frac{1}{p_0 + 0}$				
$\begin{array}{c} 1 & 3 & 2 & 0 \\ 3 & 0 & 1 & 2 \\ 0 & 3 & 2 & 1 \\ 1 & 2 & 0 & 3 \\ 2 & 1 & 3 & 0 \end{array}$	s436	Quasigroup Commutative	×	POTE	- 1 20		$\frac{\overline{1+p_0}}{p_0+1}$			$\frac{\overline{2+p_0}}{p_0+2}$		P0 1 =	- 1 20			- 1 PO	$\frac{3+p_0}{p_0+3}$			$\frac{0+p_0}{p_0+0}$	POTO				
$\begin{array}{c} 3 & 0 & 1 & 2 \\ 0 & 3 & 2 & 1 \\ 2 & 1 & 3 & 0 \\ 1 & 2 & 0 & 3 \\ \hline 3 & 0 & 1 & 2 \\ 1 & 2 & 0 & 3 \end{array}$	s ₄₃₉	Quasigroup	x			${p_0 + 1}$				${3+p_0}$	${p_0+2}$					${p_0+3}$	${2+p_0}$			$\frac{1}{0 + p_0}$	$\frac{1}{p_0 + 0}$				
$\begin{array}{r} 0 & 3 & 2 & 1 \\ 2 & 1 & 3 & 0 \\ \hline 3 & 0 & 1 & 2 \\ 1 & 2 & 0 & 3 \\ 2 & 1 & 3 & 0 \end{array}$	\$440 \$441	Quasigroup Quasigroup	×	$\frac{1}{p_0 + 1}$	$p_0 + 1$		$\frac{\overline{2+p_0}}{\overline{3+p_0}}$	$p_0 + 2$	$\frac{1}{p_0 + 2}$	$\frac{1+p_0}{1+p_0}$							$\frac{3+p_0}{2+p_0}$	$\frac{1}{p_0 + 3}$	$p_0 + 3$	$\frac{\overline{0+p_0}}{\overline{0+p_0}}$		$p_0 + 0$	$\frac{1}{p_0 + 0}$		
$\begin{array}{c} 0 & 3 & 2 & 1 \\ \hline 3 & 0 & 1 & 2 \\ 1 & 2 & 3 & 0 \\ 0 & 1 & 2 & 3 \\ \hline 3 & 0 & 1 & 2 \\ 1 & 2 & 3 & 0 \\ \end{array}$	s ₄₄₂	Quasigroup Right Identity Quasigroup	$\frac{\mathbf{x}}{2+p_0}$	${p_0 + 1}$							$\overline{1+p_0}$		$p_0 + 2$		${p_0 + 3}$			$3 + p_0$		$0 + p_0$		$\frac{1}{p_0 + 0}$			
$\begin{array}{c} 2\ 3\ 0\ 1 \\ 0\ 1\ 2\ 3 \\ \hline 3\ 0\ 1\ 2 \\ 1\ 3\ 2\ 0 \\ 0\ 2\ 3\ 1 \\ 2\ 1\ 0\ 3 \\ \end{array}$	s ₄₄₅	Right Identity Quasigroup	$\frac{3+p_0}{x}$		$\frac{\overline{p_0+1}}{2+p_0}$		$\frac{1}{p_0 + 1}$				$\frac{1+p_0}{p_0+2}$	$p_0 + 2$	$\frac{1+p_0}{1+p_0}$	$\frac{p_0+3}{p_0+3}$		${3+p_0}$		$2 + p_0$		$\frac{0+p_0}{0+p_0}$		$\frac{1}{p_0 + 0}$	$p_0 + 0$		
2 1 0 3 3 0 1 2 1 3 2 0 2 1 0 3 0 2 3 1 3 0 1 2 2 1 0 3	s ₄₄₇	Quasigroup Quasigroup	$\frac{x}{p_0+1}$		$3 + p_0$	$\frac{1}{p_0 + 1}$				${p_0 + 2}$			$\overline{1+p_0}$		${p_0 + 3}$	$\frac{1}{2+p_0}$				$0 + p_0$			$\frac{1}{p_0 + 0}$		
$\begin{array}{c} 0 & 2 & 3 & 1 \\ 1 & 3 & 2 & 0 \\ \hline 3 & 0 & 1 & 2 \\ 2 & 1 & 0 & 3 \\ 1 & 3 & 2 & 0 \\ 0 & 2 & 3 & 1 \\ \hline 3 & 0 & 1 & 2 \\ \end{array}$	s ₄₅₁	Left Identity Quasigroup	$p_0 + 1$ $x \qquad \qquad p_0 + 1$		$\frac{2+p_0}{3+p_0}$			$\frac{1}{p_0 + 2}$	$p_0 + 2$				$\frac{3+p_0}{2+p_0}$			$\frac{1+p_0}{1+p_0}$		$\frac{1}{p_0 + 3}$	$p_0 + 3$	$\frac{\overline{0+p_0}}{\overline{0+p_0}}$				$p_0 + 0$	$\frac{1}{p_0 + 0}$
$ \begin{array}{c} 2 & 1 & 3 & 0 \\ 0 & 3 & 2 & 1 \\ 1 & 2 & 0 & 3 \\ \hline 3 & 0 & 1 & 2 \\ 2 & 1 & 3 & 0 \\ 1 & 2 & 0 & 3 \end{array} $	s ₄₅₂	Quasigroup Quasigroup Left Identity	$ \begin{array}{c} x \\ \hline $				$\frac{1}{2+p_0}$			$\frac{3+p_0}{3+p_0}$			$\frac{1}{p_0 + 2}$	${p_0 + 3}$			$\frac{1+p_0}{1+p_0}$			$\frac{0+p_0}{0+p_0}$				$\frac{1}{p_0 + 0}$	n= 1.0
$\begin{array}{r} 0 & 3 & 2 & 1 \\ \hline 3 & 0 & 1 & 2 \\ 2 & 3 & 0 & 1 \\ 0 & 1 & 2 & 3 \\ \hline 1 & 2 & 3 & 0 \\ \hline 3 & 0 & 2 & 1 \\ \end{array}$	s ₄₅₄	Quasigroup Right Identity	$\frac{x}{2+p_0}$			$\frac{1}{p_0 + 1}$	$3 + p_0$	$\frac{1}{p_0 + 2}$		$2 + p_0$	${3+p_0}$	$p_0 + 2$			$p_0 + 3$		$\frac{1+p_0}{p_0+3}$	$\overline{1+p_0}$		$\frac{0+p_0}{0+p_0}$				$\frac{1}{p_0 + 0}$	$p_0 + 0$
$ \begin{array}{c} 0 & 1 & 3 & 2 \\ 1 & 2 & 0 & 3 \\ 2 & 3 & 1 & 0 \end{array} $ $ \begin{array}{c} 3 & 0 & 2 & 1 \\ 0 & 1 & 3 & 2 \end{array} $	\$456 \$457	Quasigroup Left Identity Quasigroup	x $p_0 + 1$ $1 + p_0$							$\frac{\overline{2+p_0}}{\overline{3+p_0}}$	${p_0 + 3}$							$\frac{1}{p_0 + 2}$	$\frac{3+p_0}{2+p_0}$	$\frac{1}{p_0 + 0}$	$\frac{0+p_0}{0+p_0}$				
$\begin{array}{c} 2\ 3\ 1\ 0 \\ 1\ 2\ 0\ 3 \\ \hline \\ 3\ 0\ 2\ 1 \\ 0\ 2\ 1\ 3 \\ 1\ 3\ 0\ 2 \\ 2\ 1\ 3\ 0 \\ \end{array}$	s ₄₅₇	Commutative Quasigroup	$\frac{1+p_0}{p_0+1}$	$\frac{1+p_0}{1+p_0}$	$\frac{1}{p_0 + 1}$					$\frac{3+p_0}{p_0+3}$		$\frac{1}{2+p_0}$	$\frac{1}{p_0 + 3}$			$\frac{1}{p_0+2}$	${3+p_0}$		$\frac{2+p_0}{p_0+2}$	$\frac{1}{p_0 + 0}$	$\frac{0+p_0}{p_0+0}$ $0+p_0$				
$\begin{array}{c} 3 & 0 & 2 & 1 \\ 0 & 2 & 1 & 3 \\ 2 & 1 & 3 & 0 \\ 1 & 3 & 0 & 2 \end{array}$	s ₄₅₉	Quasigroup Commutative	х	$\frac{1+p_0}{p_0+1}$								$\frac{3+p_0}{p_0+3}$					$\frac{2+p_0}{p_0+2}$				$\frac{0+p_0}{p_0+0}$				
$\begin{array}{c} 3 & 0 & 2 & 1 \\ 0 & 3 & 1 & 2 \\ 1 & 2 & 3 & 0 \\ 2 & 1 & 0 & 3 \\ 3 & 0 & 2 & 1 \end{array}$	s461	Quasigroup	x			$\frac{1+p_0}{}$	$\frac{1}{p_0 + 1}$			$\frac{1}{p_0 + 3}$	$\frac{1}{2+p_0}$					${3+p_0}$	$\frac{p_0 + 2}{p_0 + 2}$			$\frac{1}{p_0 + 0}$	$0 + p_0$				
$\begin{array}{c} 3 & 0 & 2 & 1 \\ 0 & 3 & 1 & 2 \\ 2 & 1 & 0 & 3 \\ 1 & 2 & 3 & 0 \\ \hline & 3 & 0 & 2 & 1 \\ 1 & 2 & 0 & 3 \\ \end{array}$	\$462	Quasigroup Commutative	x			$\frac{1+p_0}{p_0+1}$					$\frac{3+p_0}{p_0+3}$					$\frac{2+p_0}{p_0+2}$					$\frac{0+p_0}{p_0+0}$				
0 1 3 2 2 3 1 0 3 0 2 1 1 2 0 3 2 3 1 0 0 1 3 2 3 0 2 1	s ₄₆₄	Quasigroup Quasigroup	$ \begin{array}{c} x & \overline{2+p_0} \\ x & \overline{3+p_0} \end{array} $	$p_0 + 1$	$\frac{1}{p_0 + 1}$					$\frac{1+p_0}{1+p_0}$		$\frac{1}{p_0 + 3}$	$p_0 + 3$	$\frac{1}{p_0 + 2}$	$p_0 + 2$				$\frac{3+p_0}{2+p_0}$		$\frac{0+p_0}{0+p_0}$	$p_0 + 0$	$\frac{1}{p_0 + 0}$		
$\begin{array}{c} 1 & 2 & 3 & 0 \\ 0 & 3 & 1 & 2 \\ 2 & 1 & 0 & 3 \\ \hline 3 & 0 & 2 & 1 \\ 1 & 2 & 3 & 0 \end{array}$	s ₄₆₈	Quasigroup Quasigroup	x x		$\frac{1}{p_0 + 1}$	$\frac{1}{2+p_0}$		$\frac{1}{p_0 + 3}$			$\frac{1+p_0}{}$					$3+p_0$			$\frac{1}{p_0 + 2}$		$0 + p_0$	$\frac{1}{p_0 + 0}$			
$\begin{array}{c} 2\ 1\ 0\ 3\\ 0\ 3\ 1\ 2\\ 3\ 0\ 2\ 1\\ 1\ 3\ 0\ 2\\ 0\ 2\ 1\ 3\\ 2\ 1\ 3\ 0\\ 3\ 0\ 2\ 1\\ 1\ 3\ 0\ 2\\ \end{array}$	s ₄₇₀	Quasigroup	x	$\frac{p_0+1}{2+p_0}$		$3 + p_0$	$\frac{1}{p_0 + 1}$		$p_0 + 3$		$\frac{1+p_0}{p_0+3}$	$\frac{1+p_0}{1+p_0}$		$\frac{1}{p_0 + 2}$		$2 + p_0$	${3+p_0}$	$p_0 + 2$			$\frac{0+p_0}{0+p_0}$	$p_0 + 0$	$p_0 + 0$		
$\begin{array}{r} 2 & 1 & 3 & 0 \\ 0 & 2 & 1 & 3 \\ \hline 3 & 0 & 2 & 1 \\ 2 & 1 & 0 & 3 \end{array}$	s ₄₇₁	Quasigroup Quasigroup	x $\frac{1}{p_0+1}$	${3+p_0}$		$\frac{1}{p_0 + 1}$				${p_0 + 3}$		$\frac{1+p_0}{1+p_0}$			${p_0 + 2}$		${2+p_0}$				$\frac{0+p_0}{0+p_0}$		$\frac{1}{p_0 + 0}$	$\frac{1}{p_0 + 0}$	
0 3 1 2 1 2 3 0 3 0 2 1 2 1 0 3 1 2 3 0 0 3 1 2 3 0 2 1	s ₄₇₃	Quasigroup Left Identity	$\frac{x}{p_0+1}$			$\frac{2+p_0}{3+p_0}$					$\frac{3+p_0}{2+p_0}$	$\frac{1}{p_0 + 3}$	$p_0 + 3$	$p_0 + 2$	$\frac{1}{p_0 + 2}$	$\frac{1+p_0}{1+p_0}$					$\frac{0+p_0}{0+p_0}$				$p_0 + 0$
$ \begin{array}{c} 2 & 1 & 3 & 0 \\ 0 & 2 & 1 & 3 \\ \hline 1 & 3 & 0 & 2 \\ \hline 3 & 0 & 2 & 1 \\ 2 & 1 & 3 & 0 \\ 1 & 3 & 0 & 2 \end{array} $	s ₄₇₄	Quasigroup Left Identity Quasigroup	$\frac{x}{p_0+1}$	$\frac{1}{2+p_0}$				70. 1.0	$\frac{1}{p_0 + 3}$			$\frac{3+p_0}{2+p_0}$					$\frac{1+p_0}{1+p_0}$	70-1-0	$\frac{1}{p_0 + 2}$		$\frac{0+p_0}{0+p_0}$			$\frac{1}{p_0 + 0}$	$\frac{1}{p_0 + 0}$
$\begin{array}{r} 0 & 2 & 1 & 3 \\ 3 & 0 & 2 & 1 \\ 2 & 3 & 1 & 0 \\ 0 & 1 & 3 & 2 \\ 1 & 2 & 0 & 3 \\ 3 & 0 & 2 & 1 \\ \end{array}$	s ₄₇₈	Quasigroup	$ \begin{array}{c} p_0 + 1 \\ \hline 2 + p_0 \end{array} $	$3 + p_0$		$\frac{1}{p_0 + 1}$		$\frac{p_0+3}{p_0+3}$		$3 + p_0$		2 + P0					$\frac{1+p_0}{p_0+2}$	$p_0 + 2$	$\overline{1+p_0}$		$\frac{0+p_0}{0+p_0}$			$\frac{1}{p_0 + 0}$	ru T U
$ \begin{array}{c} 2 & 3 & 1 & 0 \\ 1 & 2 & 0 & 3 \\ 0 & 1 & 3 & 2 \\ \hline 3 & 1 & 0 & 2 \\ 0 & 2 & 1 & 3 \\ 1 & 3 & 2 & 0 \end{array} $	s ₄₇₉	Quasigroup Quasigroup Left Identity	$\begin{array}{c c} x & \overline{3+p_0} \\ \hline x \\ \hline p_0+2 \end{array}$	$\frac{1+p_0}{1+p_0}$			$\frac{1}{p_0 + 1}$		${p_0 + 3}$	$\frac{1}{2+p_0}$	$\frac{1}{p_0 + 1}$		${2+p_0}$		${3+p_0}$	${p_0+2}$		${p_0 + 3}$	$\overline{1+p_0}$	$\frac{1}{p_0 + 0}$	$0 + p_0$	$\overline{0+p_0}$			$\frac{1}{p_0 + 0}$
$\begin{array}{r} 2031 \\ 3102 \\ 0213 \\ 2031 \\ 1320 \\ \hline 3102 \\ \end{array}$	s ₄₈₁	Quasigroup	$x \qquad {p_0+2}$	$\frac{1+p_0}{1+p_0}$						$\frac{1}{p_0 + 1}$	P ₀ + 1		$\frac{2+p_0}{3+p_0}$		$\frac{3+p_0}{2+p_0}$			P ₀ + 3	$p_0 + 3$	<i>P</i> 0 ∓ 0	$\frac{1}{p_0 + 0}$				
$\begin{array}{c} 0 & 2 & 3 & 1 \\ 1 & 0 & 2 & 3 \\ 2 & 3 & 1 & 0 \\ 3 & 1 & 0 & 2 \\ 0 & 2 & 3 & 1 \\ 2 & 3 & 1 & 0 \end{array}$	s ₄₈₂	Quasigroup Quasigroup	x x		$\frac{1+p_0}{1+p_0}$	$\frac{1}{p_0 + 2}$	$p_0 + 2$	$\frac{2+p_0}{3+p_0}$		$p_0 + 1$	$\frac{1}{p_0 + 1}$					$\frac{1}{p_0+3}$	$p_0 + 3$		$\frac{3+p_0}{2+p_0}$	$p_0 + 0$	$p_0 + 0$	$\frac{0+p_0}{0+p_0}$			
$ \begin{array}{c} 1023 \\ 3102 \\ 0321 \\ 1230 \\ 2013 \\ 3102 \\ 0321 \end{array} $	s486	Quasigroup	x		$\frac{1+p_0}{p_0+2}$	20 12	$\frac{1+p_0}{1+p_0}$	+ P0			${2+p_0}$		${p_0 + 1}$	$\frac{1}{3 + p_0}$		$\frac{p_0 + 3}{p_0 + 3}$			+ 10	$\frac{1}{p_0 + 0}$	-FU T U	$\frac{0+p_0}{0+p_0}$			
3 1 0 2 1 0 2 3 0 2 3 1	s ₄₈₇	Quasigroup Quasigroup	x	$p_0 + 2$	$\frac{1}{2+p_0}$		$\overline{1+p_0}$	$\overline{1+p_0}$			$3 + p_0$	$p_0 + 1$		$2 + p_0$			$p_0 + 3$		${3+p_0}$		$p_0 + 0$	$\frac{\overline{0+p_0}}{\overline{0+p_0}}$			
0 2 3 1 2 3 1 0 3 1 0 2 1 0 2 3 2 3 1 0 0 2 3 1	s ₄₈₉	Commutative Quasigroup	x	$\frac{1}{p_0 + 2}$	$\frac{2+p_0}{p_0+2}$ $\frac{3+p_0}{3+p_0}$			$\frac{1+p_0}{p_0+1}$ $\frac{1+p_0}{1+p_0}$	$\frac{1}{p_0 + 1}$									$\frac{1}{p_0 + 3}$	$\frac{3+p_0}{p_0+3}$ $\frac{3+p_0}{2+p_0}$			$p_0 + 0$	$\frac{1}{p_0 + 0}$		
0 2 3 1	1			20 2	- P0	1	1	+ P0	-011										+ P0			- PU			

	3 1 0 2 1 2 3 0	8400	Quasigroup	p ₀ p ₁	<i>p</i> ₂	<i>p</i> ₃	<i>p</i> ₄	$\frac{p_5}{2+p_0}$	<i>p</i> ₆	<i>p</i> ₇	p_8	$\frac{p_9}{1+p_0}$	<i>p</i> 10	<i>p</i> 11	p_{12}	p ₁₃	P14	P ₁₅	P16	<i>p</i> 17	P18	<i>p</i> 19	p_{20}	<i>p</i> ₂₁	p ₂₂	p ₂₃
Column	$\begin{array}{c} 0 & 3 & 2 & 1 \\ 2 & 0 & 1 & 3 \\ \hline & 3 & 1 & 0 & 2 \\ 1 & 2 & 3 & 0 \\ 2 & 0 & 1 & 3 \\ \end{array}$	s ₄₉₀	Commutative	x			$\frac{1}{n_0+2}$	$p_0 + 2$			$\frac{1}{n_0+1}$	$p_0 + 1$				$\frac{1}{n_0+3}$								$\frac{1}{n_0+0}$		
Part	$\begin{array}{c} 0 & 3 & 2 & 1 \\ 3 & 1 & 0 & 2 \\ 1 & 3 & 2 & 0 \end{array}$	s ₄₉₂		x			P0 + 2	3 + p ₀			<i>P</i> 0 + 1	$1 + p_0$		$\frac{1+p_0}{p_0+1}$	2 + P0	$3 + p_0$							$0 + p_0$	$p_0 + \sigma$		
	$ \begin{array}{c} 3 & 1 & 0 & 2 \\ 1 & 3 & 2 & 0 \\ 2 & 0 & 3 & 1 \end{array} $	s ₄₉₅				$\frac{1}{p_0 + 2}$							${p_0 + 1}$		${p_0 + 3}$									$\frac{1}{p_0 + 0}$		
	2 0 1 3 0 3 2 1 1 2 3 0 3 1 0 2		Left Identity	$p_0 + 2$						$\frac{1}{p_0 + 1}$										$\frac{1}{p_0 + 3}$					$p_0 + 0$	
	$\begin{array}{r} 0 & 3 & 2 & 1 \\ \hline 3 & 1 & 0 & 2 \\ 2 & 0 & 3 & 1 \\ 0 & 2 & 1 & 3 \end{array}$		Quasigroup		${2+p_0}$		$\frac{1}{p_0 + 2}$	$3 + p_0$				$2 + p_0$		$3 + p_0$	$1 + p_0$	$\frac{1+p_0}{1+p_0}$		$\frac{1}{p_0 + 3}$	$p_0 + 3$						$\frac{1}{p_0 + 0}$	$p_0 + 0$
	$\begin{array}{c} 2 & 0 & 3 & 1 \\ 1 & 3 & 2 & 0 \\ 0 & 2 & 1 & 3 \\ \hline 3 & 1 & 0 & 2 \\ 2 & 3 & 1 & 0 \end{array}$				$3 + p_0$			$p_0 + 2$		$p_0 + 1$						$\frac{1+p_0}{1+p_0}$	${p_0 + 3}$									$p_0 + 0$
Note	$\begin{array}{r} 1 & 0 & 2 & 3 \\ \hline 3 & 1 & 0 & 2 \\ 2 & 3 & 1 & 0 \\ 1 & 0 & 2 & 3 \end{array}$		Quasigroup	х									$p_0 + 1$	$p_0 + 1$	$p_0 + 3$	${p_0 + 3}$									$p_0 + 0$	$p_0 + 0$
	$\begin{array}{c} 0 & 2 & 1 & 3 \\ 1 & 0 & 3 & 2 \\ 2 & 3 & 0 & 1 \\ \hline 3 & 1 & 2 & 0 \\ 0 & 2 & 1 & 3 \end{array}$							$p_0 + 3$			$p_0 + 1$							$p_0 + 2$			$p_0 + 0$					
	$\begin{array}{r} 1 & 0 & 3 & 2 \\ \hline 3 & 1 & 2 & 0 \\ 0 & 2 & 3 & 1 \\ 1 & 3 & 0 & 2 \end{array}$		Quasigroup	x	$1 + p_0$	$\frac{1+p_0}{1+p_0}$	$p_0 + 3$			$3 + p_0$			$\frac{1}{2+p_0}$		$3 + p_0$		$p_0 + 2$				$\frac{1}{p_0 + 0}$	$p_0 + 0$				
Note	$\begin{array}{r} 2 & 0 & 1 & 3 \\ 1 & 3 & 0 & 2 \\ \hline 3 & 1 & 2 & 0 \\ 0 & 3 & 1 & 2 \end{array}$			$p_0 + 3$									$3 + p_0$		$\frac{1}{2+p_0}$					$p_0 + 2$		$\frac{1}{p_0 + 0}$				
Note	$\begin{array}{r} 2031 \\ 3120 \\ 0312 \\ 2031 \end{array}$				${p_0 + 3}$	$p_0 + 3$							${p_0+1}$	$p_0 + 1$			$p_0 + 2$	$\frac{1}{p_0 + 2}$			$p_0 + 0$	$\frac{1}{p_0 + 0}$				
	1 0 3 2 0 2 1 3 2 3 0 1 3 1 2 0				${2+p_0}$	$p_0 + 3$			${p_0 + 1}$	$\overline{1+p_0}$									${3+p_0}$	${p_0 + 2}$						
	$\begin{array}{c} 3 & 1 & 2 & 0 \\ 1 & 2 & 0 & 3 \\ 2 & 0 & 3 & 1 \end{array}$		Quasigroup	x			$3 + p_0$	$p_0 + 3$			$1 + p_0$	$p_0 + 1$			$p_0 + 2$	$2 + p_0$							$p_0 + 0$	$0 + p_0$		
Note	$ \begin{array}{c} 3 & 1 & 2 & 0 \\ 1 & 3 & 0 & 2 \\ 0 & 2 & 3 & 1 \end{array} $	s ₅₁₇		х	${p_0 + 3}$	$2+p_0$	$p_0 + 3$				$p_0 + 1$		$\frac{1 + p_0}{1 + p_0}$	$\overline{p_0+1}$	${3+p_0}$								$\frac{1}{p_0 + 0}$			
	2 0 1 3 0 2 3 1	s ₅₁₈		x																						
	$\begin{array}{r} 2\ 0\ 1\ 3 \\ 0\ 2\ 3\ 1 \\ \hline 1\ 3\ 0\ 2 \\ \hline 3\ 1\ 2\ 0 \\ 2\ 0\ 1\ 3 \\ \end{array}$			x			$p_0 + 3$		$p_0 + 1$									$p_0 + 2$							$p_0 + 0$	
	$\begin{array}{r} 0 & 2 & 3 & 1 \\ \hline 3 & 1 & 2 & 0 \\ 2 & 0 & 3 & 1 \\ 0 & 3 & 1 & 2 \end{array}$		Quasigroup	$\frac{\mathbf{x}}{p_0+3}$		$3 + p_0$	$\frac{1}{2+p_0}$	$p_0 + 3$			${3+p_0}$		$2 + p_0$		$1 + p_0$	$\overline{1+p_0}$	$p_0 + 2$			${p_0 + 2}$					$\frac{1}{p_0 + 0}$	$p_0 + 0$
	$\begin{array}{c} 1 & 2 & 0 & 3 \\ 0 & 3 & 1 & 2 \\ 3 & 1 & 2 & 0 \\ 2 & 3 & 0 & 1 \end{array}$			$p_0 + 3$			$3 + p_0$		$\frac{1}{p_0 + 1}$		$\frac{1}{2+p_0}$					$\frac{1+p_0}{1+p_0}$										$\overline{p_0+0}$
	$\begin{array}{r} 0 & 2 & 1 & 3 \\ 1 & 0 & 3 & 2 \\ 3 & 2 & 0 & 1 \\ 0 & 1 & 2 & 3 \\ 1 & 0 & 3 & 2 \\ 2 & 3 & 1 & 0 \\ \end{array}$		Quasigroup Right Identity	$\frac{x}{1+p_0}$	$2 + p_0$	$p_0 + 2$									$p_0 + 2$		${p_0+1}$		$1 + p_0$	$3 + p_0$	${p_0 + 0}$			$0 + p_0$		
	$\begin{array}{r} 0 & 1 & 2 & 3 \\ 2 & 3 & 1 & 0 \\ 1 & 0 & 3 & 2 \\ \hline 3 & 2 & 0 & 1 \\ 0 & 1 & 3 & 2 \end{array}$		Right Identity		$p_0 + 2$					${3+p_0}$			${p_0 + 3}$							$\frac{1}{2+p_0}$		${p_0 + 0}$				
		s ₅₃₂		$x \frac{1+p_0}{1+p_0}$			$\frac{1}{p_0 + 2}$	$p_0 + 2$			$p_0 + 3$	$\frac{1}{p_0 + 3}$					${p_0+1}$	p ₀ + 1			<i>p</i> ₀ + 0	$\frac{1}{p_0 + 0}$				
Part	3 2 0 1 0 3 1 2		Left Identity								$\frac{1}{p_0 + 3}$	$p_0 + 3$							$p_0 + 1$	$\frac{1}{p_0 + 1}$	$p_0 + 0$	$\frac{1}{p_0 + 0}$				
No. No.	$\begin{array}{r} 0 & 3 & 1 & 2 \\ 2 & 1 & 3 & 0 \\ \hline 3 & 2 & 0 & 1 \end{array}$			x	$\frac{1}{p_0 + 2}$		$\frac{1}{2+p_0}$		$\frac{1+p_0}{1+p_0}$					$\frac{1}{p_0 + 3}$		$\frac{1}{p_0 + 1}$		$3 + p_0$					$\frac{1}{p_0 + 0}$		$0 + p_0$	
	$\begin{array}{r} 2 & 1 & 3 & 0 \\ 0 & 3 & 1 & 2 \\ \hline 3 & 2 & 0 & 1 \\ 1 & 0 & 3 & 2 \\ 0 & 1 & 2 & 3 \end{array}$		Quasigroup			$p_0 + 2$	$3 + p_0$	$\frac{1}{p_0 + 2}$	$1 + p_0$	$\frac{1+p_0}{1+p_0}$		$\frac{1}{p_0 + 3}$	$p_0 + 3$					$2 + p_0$		${3+p_0}$			$\frac{1}{p_0 + 0}$	$p_0 + 0$		
	1032		Right Identity	$\frac{\mathbf{x}}{3+p_0}$			${p_0 + 2}$			$\frac{1+p_0}{1+p_0}$	${p_0 + 3}$					${p_0 + 1}$				${2+p_{0}}$				$\frac{1}{p_0 + 0}$		
Part	$\begin{array}{r} 0 & 1 & 3 & 2 \\ 2 & 0 & 1 & 3 \\ \hline 3 & 2 & 0 & 1 \\ 1 & 3 & 2 & 0 \\ 2 & 0 & 1 & 3 \end{array}$			$2 + p_0$	$\overline{p_0+2}$	$p_0 + 2$			$p_0 + 3$	$\frac{1}{p_0 + 3}$									$\overline{p_0+1}$	$p_0 + 1$			$p_0 + 0$	$\frac{1}{p_0 + 0}$		
The content of the	$\begin{array}{c} 3 & 2 & 0 & 1 \\ 2 & 0 & 1 & 3 \\ 0 & 1 & 3 & 2 \\ 1 & 3 & 2 & 0 \end{array}$	s ₅₄₄		$ \begin{array}{c} x & \overline{2+p_0} \\ \overline{p_0+2} \end{array} $										$\frac{3+p_0}{p_0+3}$	$\frac{\overline{1+p_0}}{p_0+1}$										$\frac{\overline{0+p_0}}{p_0+0}$	
	$\begin{array}{c} 2 & 0 & 1 & 3 \\ 1 & 3 & 2 & 0 \\ 0 & 1 & 3 & 2 \end{array}$		Left Identity										${p_0 + 3}$	$\frac{1}{2+p_0}$	$\overline{1+p_0}$	${p_0 + 1}$										$\overline{p_0+0}$
Column	0 3 1 2 1 0 2 3 3 2 0 1 2 1 3 0							no ± 2		<u>3</u>							no ± 1									$\frac{1}{2}$
The content of the		s ₅₅₃	Right Identity				3 + P0		$z + p_0$	$p_0 + 3$	$\frac{1}{p_0 + 2}$		$\frac{1}{2 + p_0}$			${3+p_0}$	<i>p</i> ₀ + 1				$\overline{p_0+0}$				0 + p0	
14	$\begin{array}{r} 2031 \\ 1302 \\ \hline 3210 \\ 0132 \\ 1023 \\ \end{array}$		Right Identity			$\frac{1}{p_0+3}$	$p_0 + 3$		$\frac{1}{2 + p_0}$			$p_0 + 2$	$3 + p_0$	$\frac{1}{p_0+2}$		$\frac{1}{2 + p_0}$			$\frac{1}{3+p_0}$		$\frac{1}{p_0+0}$	$p_0 + 0$				
The content of the	$\begin{array}{r} 0 & 1 & 3 & 2 \\ 2 & 3 & 0 & 1 \\ \hline 1 & 0 & 2 & 3 \\ \hline 3 & 2 & 1 & 0 \end{array}$				$p_0 + 3$								$\frac{1}{p_0 + 2}$					$\frac{1}{p_0 + 1}$				$p_0 + 0$				
The content of the	$\begin{array}{r} 2 & 1 & 0 & 3 \\ \hline 1 & 0 & 3 & 2 \\ \hline 3 & 2 & 1 & 0 \\ 1 & 0 & 2 & 3 \\ 0 & 1 & 3 & 2 \end{array}$			х					$\frac{1+p_0}{1+p_0}$	$3 + p_0$	$p_0 + 2$	${p_0+2}$			$\frac{1}{p_0 + 1}$		$2 + p_0$		${3+p_0}$	$p_0 + 1$		$p_0 + 0$	$\frac{1}{p_0 + 0}$			
No. Control No.	$\begin{array}{c} 1 & 0 & 2 & 3 \\ 2 & 3 & 0 & 1 \\ 0 & 1 & 3 & 2 \\ \hline 3 & 2 & 1 & 0 \\ 1 & 0 & 3 & 2 \\ \end{array}$			$3 + p_0$			$\frac{1}{p_0 + 3}$		$1 + p_0$		$p_0 + 2$					$\frac{1}{p_0 + 1}$			$\frac{1}{2+p_0}$					$p_0 + 0$		$0 + p_0$
Total Tota	$\begin{array}{r} 2 & 1 & 0 & 3 \\ 3 & 2 & 1 & 0 \\ 1 & 0 & 3 & 2 \\ 2 & 1 & 0 & 3 \end{array}$				$p_0 + 3$	$\frac{1}{p_0 + 3}$							${p_0+2}$	$p_0 + 2$	$\frac{1}{p_0 + 1}$	$p_0 + 1$							$p_0 + 0$	$\frac{1}{p_0 + 0}$		
April Apri	$\begin{array}{r} 1 & 3 & 0 & 2 \\ 0 & 1 & 2 & 3 \\ 2 & 0 & 3 & 1 \\ \hline 3 & 2 & 1 & 0 \\ 2 & 0 & 3 & 1 \end{array}$		Right Identity Quasigroup	$2 + p_0$ x		$\frac{1}{p_0 + 3}$			${p_0+2}$											$\frac{1}{p_0 + 1}$			$\frac{1}{p_0 + 0}$			
An Abelian	$\begin{array}{r} 1 & 3 & 0 & 2 \\ \hline 3 & 2 & 1 & 0 \\ 2 & 1 & 0 & 3 \\ 0 & 3 & 2 & 1 \end{array}$						$\frac{1}{p_0 + 3}$	$\frac{1}{2+p_0}$	${p_0 + 2}$	$3 + p_0$			$3 + p_0$	$p_0 + 2$	$p_0 + 1$	$1 + p_0$	$\overline{1+p_0}$	$\frac{1}{p_0 + 1}$								
According Acco	$\begin{array}{cccccccccccccccccccccccccccccccccccc$	s_1	Abelian																							
Column C	$\begin{smallmatrix} 0 & 1 & 2 & 3 \\ 3 & 2 & 0 & 1 \\ 2 & 3 & 1 & 0 \end{smallmatrix}$	s ₁₇₀	Abelian	$\frac{\overline{1+p_0}}{p_0+1}$ $\frac{\overline{1+p_1}}{p_1+1}$																						$\frac{2+p_1}{p_1+2}$
The content of the	1 0 3 2 3 2 0 1 2 3 1 0	s_2	Right Identity	$ \frac{\overline{0+p_0}}{p_1+0} \qquad \frac{\overline{p_0+0}}{0+p_1} $																						$\frac{\overline{p_0+3}}{2+p_1}$
	0 1 3 2	s ₃	Right Identity	$ \begin{array}{c c} 0+p_0 \\ \hline p_1+0 \end{array} \qquad \begin{array}{c} p_0+0 \\ 0+p_1 \end{array} $ $ \underline{x} \qquad \underline{x} $					$1 + p_1$	$p_1 + 1$									$p_1 + 2$	$3 + p_1$					$2 + p_1$	$p_1 + 3$
The content of the	1 0 2 3 2 3 0 1 3 2 1 0		Left Identity	$ \begin{array}{c cc} 0 + p_1 & p_1 + 0 \\ \hline & x & x \end{array} $					$p_1 + 1$	$1 + p_1$									$p_1 + 3$	$2 + p_1$					$3 + p_1$	$p_1 + 2$
	2 3 1 0 3 2 0 1 0 1 3 2		Left Identity	$ \begin{array}{c c} \hline 0+p_1 & \overline{p_1+0} \\ \hline x & x \end{array} $					$p_1 + 1$	$1 + p_1$									$2 + p_1$	$p_1 + 3$					$p_1 + 2$	$3 + p_1$
1	$\begin{array}{c} 3 & 2 & 0 & 1 \\ 2 & 3 & 1 & 0 \\ \hline \\ 0 & 1 & 3 & 2 \\ 1 & 0 & 2 & 3 \\ \end{array}$		Commutative	$\begin{array}{c cc} p_1 + 0 & p_0 + 0 \\ \hline x & x \end{array}$					$p_0 + 1$	$p_1 + 1$									$p_1 + 3$	$p_0 + 3$					$p_0 + 2$	$p_1 + 2$
	$ \begin{array}{c} 3 & 2 & 1 & 0 \\ 2 & 3 & 0 & 1 \end{array} $ $ \begin{array}{c} 1 & 0 & 2 & 3 \\ 0 & 1 & 3 & 2 \end{array} $		Commutative	$\begin{array}{c c} \hline p_1 + 0 & \hline p_0 + 0 \\ \hline x & x \\ \hline \end{array}$					$p_0 + 1$	$p_1 + 1$									$p_0 + 3$	$p_1 + 3$					$p_1 + 2$	$p_0 + 2$
1 1 2 2 2 2 2 2 2 2	1 0 2 3 0 1 3 2		Quasigroup	$\begin{array}{c c} \hline p_1+1 & \overline{p_0+1} \\ \hline x & x \end{array}$					$p_0 + 0$	$p_1 + 0$									$p_0 + 2$	$p_1 + 2$					$p_1 + 3$	$p_0 + 3$
2316 Left intensity 1-pt pt 1	1 0 2 3 0 1 3 2 3 2 0 1		Quasigroup	$\begin{array}{c c} \hline p_1+1 & \overline{p_0+1} \\ \hline x & x \end{array}$					$p_0 + 0$	$p_1 + 0$									$\frac{\overline{p_1+2}}{\overline{p_0+2}}$	$p_0 + 2$					$\frac{\overline{p_0 + 3}}{2 + p_0}$	$\frac{\overline{p_1 + 3}}{\overline{p_0 + 3}}$
10 20 20 20 20 20 20 20	1 0 2 3 0 1 3 2 3 2 1 0		Quasigroup	xx					$\frac{\overline{p_1 + 0}}{0 + p_0}$	$\frac{0+p_1}{p_0+0}$									$3 + p_1$	$\frac{\overline{p_1+2}}{\overline{p_0+2}}$					$\frac{\overline{p_1 + 3}}{\overline{p_0 + 3}}$	$2 + p_1$
10 22 23 24 24 25 25 25 25 25 25	1 0 3 2 0 1 2 3 2 3 0 1	s ₁₆₈	Quasigroup	$\frac{x}{1+p_0} \qquad \frac{x}{p_0+1}$					$p_0 + 0$	$0 + p_1$ $0 + p_0$									$2 + p_0$	$\frac{3+p_1}{p_0+3}$					$p_0 + 2$	$3 + p_0$
$\begin{array}{cccccccccccccccccccccccccccccccccccc$	1 0 3 2 0 1 2 3 2 3 1 0	s ₁₆₉	Quasigroup	$ \begin{array}{c ccc} p_1 + 1 & 1 + p_1 \\ \hline x & x \\ \hline 1 + p_0 & p_0 + 1 \end{array} $					$p_0 + 0$	$0 + p_0$									$\frac{p_1+3}{p_0+3}$	$\frac{1}{2 + p_0}$					$3 + p_0$	$\frac{p_1+2}{p_0+2}$
$\begin{array}{c ccccccccccccccccccccccccccccccccccc$	0 1 2 3 1 3 0 2 2 0 3 1	s ₆		$\begin{array}{c c} p_1 + 1 & 1 + p_1 \\ \hline x \\ \hline 0 + p_0 \end{array}$	$0 + p_2$				$0+p_1$	$1 + p_2$									$\frac{1}{2 + p_2}$	$p_1 + 3$					$p_1 + 2$	$3 + p_0$
$ \begin{array}{c ccccccccccccccccccccccccccccccccccc$	$\begin{array}{c} 3 & 2 & 1 & 0 \\ 2 & 0 & 3 & 1 \\ 1 & 3 & 0 & 2 \end{array}$	s ₅₆₉	Abelian	$\frac{\mathbf{x}}{3+p_0}$	$\frac{x}{3+p_2}$					$2 + p_2$			$\frac{1}{2 + p_0}$			$1 + p_0$			$\frac{1}{1+p_2}$					$0 + p_2$		$0 + p_0$
$\begin{array}{c ccccccccccccccccccccccccccccccccccc$	$\begin{array}{c} 0 & 1 & 2 & 3 \\ 2 & 0 & 3 & 1 \\ 1 & 3 & 0 & 2 \end{array}$	s ₈		$\frac{\mathbf{x}}{0+p_0}$	$\frac{\mathbf{x}}{p_0 + 0}$					$p_0 + 1$			$2 + p_0$			$1 + p_0$			${p_0+2}$					$p_0 + 3$		$3 + p_0$
$\begin{array}{c ccccccccccccccccccccccccccccccccccc$	2301	s ₁₀		$\frac{\mathbf{x}}{0+p_0}$	$\frac{x}{\frac{p_0+0}{0+p_2}}$					$2 + p_0$			$p_0 + 1$			${p_0+2}$			$1 + p_0$					$p_0 + 3$		$3 + p_0$
$ \begin{array}{c ccccccccccccccccccccccccccccccccccc$	1 0 3 2 2 3 0 1 3 1 2 0	s ₄₈		$\frac{\overline{p_0+0}}{0+p_2}$	$\frac{0+p_0}{p_2+0}$														$\frac{2+p_0}{p_2+1}$							$p_0 + 3$
$\begin{vmatrix} 2 & 3 & 3 \\ 2 & 0 & 3 \end{vmatrix}$ see $\begin{vmatrix} Quasigroup \\ 1 + pq \end{vmatrix}$ $\begin{vmatrix} 1 + pq \\ 1 + pq \end{vmatrix}$ $\begin{vmatrix} 1 + pq \\ 1 + pq \end{vmatrix}$	1 3 0 2 2 0 3 1 3 1 2 0	s ₅₀		$\frac{p_0+0}{0+p_2}$	$\frac{\overline{0+p_0}}{p_2+0}$											$\frac{2+p_0}{p_2+1}$										$\frac{\overline{p_0+3}}{3+p_2}$
	$\begin{array}{cccccccccccccccccccccccccccccccccccc$	s ₅₆		$0 + p_2$	$0 + p_0$					$\frac{\overline{2+p_2}}{p_2+2}$			$\frac{\overline{2+p_0}}{p_0+2}$			$\frac{\overline{1+p_0}}{p_0+1}$			$\frac{\overline{1+p_2}}{p_2+1}$					$\frac{\overline{3+p_0}}{p_0+3}$		$\frac{3+p_2}{p_2+3}$

0 2 1 3		Quasigroup	р ₀ х	p_1	<i>p</i> ₂ х	<i>p</i> ₃	p_4	<i>p</i> ₅	<i>p</i> ₆	<i>p</i> ₇	<i>p</i> ₈	<i>p</i> 9	P10	<i>p</i> ₁₁	p ₁₂	<i>p</i> ₁₃	P14	<i>p</i> ₁₅	<i>p</i> 16	<i>p</i> 17	<i>p</i> ₁₈	<i>p</i> 19	p ₂₀	<i>p</i> ₂₁	p_{22}	p ₂₃
2 3 0 1 1 0 3 2 3 1 2 0	s ₆₂	Quasigroup Commutative	$\frac{0+p_2}{p_2+0}$		$\frac{\overline{0+p_0}}{p_0+0}$					$\frac{2+p_0}{p_0+2}$			$\frac{2+p_2}{p_2+2}$			$\frac{1+p_2}{p_2+1}$			$\frac{1+p_0}{p_0+1}$					$\frac{3+p_0}{p_0+3}$		$\frac{3+p_2}{p_2+3}$
3 1 2 0 1 0 3 2 2 3 0 1 0 2 1 3	s ₅₁₃	Quasigroup Commutative	$\frac{3+p_2}{p_2+3}$		$\frac{3+p_0}{p_0+3}$					$\frac{1+p_0}{p_0+1}$			$\frac{1+p_2}{p_2+1}$			$\frac{2+p_2}{p_2+2}$			$\frac{2+p_0}{p_0+2}$					$\frac{0+p_0}{p_0+0}$		$\frac{0+p_2}{p_2+0}$
$\begin{array}{c} 3 & 1 & 2 & 0 \\ 1 & 3 & 0 & 2 \\ 2 & 0 & 3 & 1 \\ 0 & 2 & 1 & 3 \end{array}$	s ₅₁₉	Quasigroup Commutative	$\frac{\frac{x}{3+p_2}}{p_2+3}$		$\frac{\frac{x}{3+p_0}}{p_0+3}$					$\frac{\overline{1+p_2}}{p_2+1}$			$\frac{\overline{1+p_0}}{p_0+1}$			$\frac{2+p_0}{p_0+2}$			$\frac{2+p_2}{p_2+2}$					$\frac{0+p_0}{p_0+0}$		$\frac{\overline{0+p_2}}{p_2+0}$
$\begin{array}{c} 3 & 1 & 2 & 0 \\ 2 & 0 & 3 & 1 \\ 1 & 3 & 0 & 2 \\ 0 & 2 & 1 & 3 \end{array}$	s ₅₂₅	$\frac{\text{Quasigroup}}{\text{Left Identity}}$	$\frac{x}{\frac{p_0+3}{3+p_2}}$		$\frac{x}{3+p_0}$ $\frac{p_2+3}$					$\frac{\overline{p_0+1}}{2+p_2}$			$\frac{2+p_0}{p_2+1}$			$\frac{\overline{1+p_0}}{\overline{p_2+2}}$			$\frac{\overline{p_0+2}}{1+p_2}$					$\frac{\overline{0+p_0}}{p_2+0}$		$\frac{\overline{p_0+0}}{0+p_2}$
$ \begin{array}{cccccccccccccccccccccccccccccccccccc$	s ₅₂₇	Quasigroup Left Identity	$\frac{x}{\frac{p_0+3}{3+p_2}}$		$\frac{x}{3+p_0}$ $\frac{p_2+3}$					$\frac{2+p_0}{p_2+1}$			$\frac{\overline{p_0+1}}{2+p_2}$			$\frac{\overline{p_0+2}}{1+p_2}$			$\frac{\overline{1+p_0}}{p_2+2}$					$\frac{\overline{0+p_0}}{p_2+0}$		$\frac{\overline{p_0+0}}{0+p_2}$
3 2 1 0 1 0 3 2 2 3 0 1 0 1 2 3	s ₅₆₅	Quasigroup Right Identity	$\frac{x}{3+p_0}$		$\frac{x}{p_0+3}$					$1 + p_0$			$p_0 + 2$			$p_0 + 1$			$2 + p_0$					$p_0 + 0$		$0 + p_0$
3 2 1 0 1 3 0 2 2 0 3 1	s ₅₆₇	Quasigroup Right Identity	$\frac{x}{3+p_0}$		$\frac{x}{p_0 + 3}$					$p_2 + 2$ $p_0 + 2$			$\frac{1+p_2}{1+p_0}$			$\frac{2+p_2}{2+p_0}$			$\frac{p_2+1}{p_0+1}$					$\frac{0+p_2}{p_0+0}$		$\frac{p_2 + 0}{0 + p_0}$
0 1 2 3 0 1 2 3 2 3 0 1 3 2 1 0	s ₁₃	Quasigroup	$\frac{p_2 + 3}{x}$ $\frac{x}{0 + p_0}$		$3 + p_2$	$\frac{\mathbf{x}}{p_0 + 0}$	$\frac{x}{p_3+0}$			$\frac{1 + p_2}{3 + p_0}$	$\frac{1}{p_3+1}$		$p_2 + 2$	$\frac{1}{p_0 + 1}$	$\frac{1}{p_0 + 2}$	$p_2 + 1$		$\frac{1}{p_3+2}$	$\frac{2+p_2}{1+p_0}$			${p_3+3}$	$\frac{1}{p_0 + 3}$	$0 + p_2$		$\frac{p_2 + 0}{2 + p_0}$
0 1 2 3 3 2 1 0 1 0 3 2	s ₂₀	Right Identity Quasigroup	$\frac{x}{0+p_0}$			$\frac{0 + p_3}{0 + p_3}$	$\frac{x}{p_0 + 0}$			$\frac{\overline{p_4+1}}{2+p_0}$	$\frac{3+p_4}{p_0+1}$			$\frac{3+p_3}{2+p_3}$	$\frac{1+p_3}{3+p_3}$			$\frac{1+p_4}{p_0+2}$	$\frac{\overline{p_4 + 2}}{3 + p_0}$			$\frac{\overline{2+p_4}}{\overline{p_0+3}}$	$\frac{2+p_3}{1+p_3}$			$\frac{\overline{p_4+3}}{1+p_0}$
0 2 3 1 1 3 2 0		Right Identity Quasigroup	$p_3 + 0$			$p_4 + 0$	$0 + p_4$ x			$p_3 + 1$	$2 + p_4$			$p_4 + 1$	$p_4 + 2$			$3 + p_4$	$p_3 + 2$			$1 + p_4$	$p_4 + 3$			$p_3 + 3$
2 0 1 3 3 1 0 2 0 2 3 1 2 0 1 3	s ₇₆	Left Identity Quasigroup	$\frac{p_0 + 0}{0 + p_4}$			$\frac{0+p_0}{p_3+0}$	$\frac{0+p_3}{p_4+0}$			$\frac{p_0+3}{1+p_4}$	$\frac{1+p_3}{p_4+3}$			$\frac{1+p_0}{p_3+3}$	$\frac{2+p_0}{p_3+1}$			$\frac{2+p_3}{p_4+1}$	$\frac{p_0+1}{2+p_4}$			$\frac{3+p_3}{p_4+2}$	$\frac{3+p_0}{p_3+2}$			$\frac{p_0+2}{3+p_4}$
3 1 0 2 1 3 2 0	\$82	Commutative	$\frac{0+p_4}{p_4+0}$			$\frac{0+p_0}{p_0+0}$	$ \begin{array}{c} 0 + p_3 \\ p_3 + 0 \end{array} $			$\frac{3+p_4}{p_4+3}$	$\frac{3+p_3}{p_3+3}$			$\frac{3+p_0}{p_0+3}$	$\frac{1+p_0}{p_0+1}$			$\frac{1+p_3}{p_3+1}$	$\frac{1+p_4}{p_4+1}$			$\frac{2+p_3}{p_3+2}$	$\frac{2+p_0}{p_0+2}$			$\frac{2+p_4}{p_4+2}$
1 2 0 3 2 1 3 0 3 0 2 1 0 3 1 2	s ₉₉	Left Identity	$\frac{p_0 + 0}{0 + p_3}$			$\frac{p_3 + 0}{0 + p_4}$	$\frac{0+p_0}{p_4+0}$			$\frac{p_0+2}{1+p_3}$	$\frac{1+p_0}{p_4+2}$			$\frac{p_3+2}{1+p_4}$	$\frac{p_3+3}{2+p_4}$			$\frac{2+p_0}{p_4+3}$	$\frac{p_0+3}{2+p_3}$			$\frac{3+p_0}{p_4+1}$	$\frac{p_3+1}{3+p_4}$			$\frac{p_0+1}{3+p_3}$
3 0 2 1 1 2 0 3 2 1 3 0	s ₁₁₂	Quasigroup Commutative	$\frac{0+p_3}{p_3+0}$			$\frac{\overline{0+p_4}}{p_4+0}$	$\frac{0+p_0}{p_0+0}$	×		$\frac{2+p_3}{p_3+2}$	$\frac{2+p_0}{p_0+2}$			$\frac{2+p_4}{p_4+2}$	$\frac{3+p_4}{p_4+3}$			$\frac{3+p_0}{p_0+3}$	$\frac{3+p_3}{p_3+3}$			$\frac{\overline{1+p_0}}{p_0+1}$	$\frac{1+p_4}{p_4+1}$			$\frac{1+p_3}{p_3+1}$
$\begin{array}{c} 0 & 1 & 2 & 3 \\ 1 & 2 & 3 & 0 \\ 2 & 3 & 0 & 1 \\ 3 & 0 & 1 & 2 \end{array}$	s_4	Abelian	$\frac{0+p_0}{p_0+0}$					$\frac{\overline{0+p_5}}{p_5+0}$		$\frac{1+p_5}{p_5+1}$		$\frac{\overline{1+p_0}}{p_0+1}$					$\frac{2+p_5}{p_5+2}$		$\frac{2+p_0}{p_0+2}$		$\frac{3+p_0}{p_0+3}$					$\frac{3+p_5}{p_5+3}$
$\begin{array}{c} 2 \ 3 \ 0 \ 1 \\ 3 \ 0 \ 1 \ 2 \\ 0 \ 1 \ 2 \ 3 \\ 1 \ 2 \ 3 \ 0 \end{array}$	s ₄₀₀	Abelian	$\frac{\frac{x}{2+p_0}}{p_0+2}$					$\frac{\frac{x}{2+p_5}}{p_5+2}$		$\frac{3+p_5}{p_5+3}$		$\frac{\overline{3+p_0}}{p_0+3}$					$\frac{0+p_5}{p_5+0}$		$\frac{0+p_0}{p_0+0}$		$\frac{\overline{1+p_0}}{p_0+1}$					$\frac{\overline{1+p_5}}{p_5+1}$
$\begin{array}{c} 0 & 1 & 2 & 3 \\ 3 & 0 & 1 & 2 \\ 2 & 3 & 0 & 1 \\ 1 & 2 & 3 & 0 \end{array}$	s ₁₇	$\frac{\text{Quasigroup}}{\text{Right Identity}}$	$\frac{\mathbf{x}}{0+p_0}$ $\frac{\mathbf{p}_5+0}{\mathbf{p}_5+0}$					$\frac{\mathbf{x}}{p_0 + 0}$ $0 + p_5$		$\frac{p_0+1}{3+p_5}$		$\frac{\overline{3+p_0}}{p_5+1}$					$\frac{\overline{p_0+2}}{2+p_5}$		$\frac{2+p_0}{p_5+2}$		$\frac{1+p_0}{p_5+3}$					$\frac{\overline{p_0+3}}{1+p_5}$
$\begin{array}{c} 0 & 1 & 2 & 3 \\ 3 & 2 & 1 & 0 \\ 2 & 3 & 0 & 1 \\ 1 & 0 & 3 & 2 \end{array}$	s ₂₃	Quasigroup Right Identity	$\frac{\mathbf{x}}{0+p_0}$ $\frac{1}{p_5+0}$					$\frac{\mathbf{x}}{\frac{p_0+0}{0+p_5}}$		$\frac{3+p_0}{p_5+1}$		$\frac{\overline{p_0+1}}{3+p_5}$					$\frac{p_0 + 2}{2 + p_5}$		$\frac{\overline{2+p_0}}{p_5+2}$		$\frac{\overline{p_0+3}}{1+p_5}$					$\frac{1+p_0}{p_5+3}$
0 3 2 1 1 0 3 2 2 1 0 3 3 2 1 0	s ₁₂₀	Quasigroup Left Identity	$\frac{\mathbf{x}}{\frac{p_0 + 0}{0 + p_5}}$					$\frac{\mathbf{x}}{0+p_0}$ $\frac{\mathbf{p}_5+0}{\mathbf{p}_5+0}$		$\frac{1 + p_0}{p_5 + 3}$		$\frac{p_0+3}{1+p_5}$					$\frac{2+p_5}{2+p_0}$ $\frac{2+p_0}{p_5+2}$		$\frac{p_5 + 2}{p_0 + 2}$ $\frac{p_0 + 2}{2 + p_5}$		$\frac{p_0+1}{3+p_5}$					$\frac{3+p_0}{p_5+1}$
0 3 2 1 1 2 3 0 2 1 0 3 3 0 1 2	s ₁₂₅	Quasigroup Left Identity	$ \frac{x}{p_0 + 0} $ $ 0 + p_5 $					$\frac{\mathbf{x}}{0+p_0}$		${p_0 + 3}$		$\frac{1}{1+p_0}$					$2 + p_0$		${p_0 + 2}$		$3 + p_0$					$\frac{1}{p_0 + 1}$
$\begin{array}{c} 0 & 3 & 2 & 1 \\ 3 & 0 & 1 & 2 \\ 2 & 1 & 0 & 3 \end{array}$	s ₁₃₈	Quasigroup Commutative	$\frac{\mathbf{x}}{0+p_5}$					$\frac{x}{0+p_0}$		$\frac{1+p_5}{3+p_5}$		$\frac{\overline{p_5 + 3}}{3 + p_0}$					$\frac{p_5 + 2}{2 + p_0}$		$2 + p_5$ $2 + p_5$		$\frac{p_5+1}{1+p_0}$					$\frac{3+p_5}{1+p_5}$
1 2 3 0 0 3 2 1 3 2 1 0 2 1 0 3	s ₁₄₃	Quasigroup Commutative	$\frac{x}{0+p_5}$					$\frac{\mathbf{x}}{0+p_0}$		$p_5 + 3$ $3 + p_0$		$\frac{p_0+3}{3+p_5}$					$\frac{p_0+2}{2+p_0}$		$\frac{p_5+2}{2+p_5}$		$\frac{p_0+1}{1+p_5}$					$\frac{p_5+1}{1+p_0}$
1 0 3 2 2 1 0 3 1 0 3 2	s ₃₄₄	Quasigroup	$ \begin{array}{r} \hline p_5 + 0 \\ \hline x \\ \hline 2 + p_5 \end{array} $					$\frac{x}{2+p_0}$		$\frac{p_0+3}{p_0+3}$		$\frac{\overline{p_5 + 3}}{\overline{p_5 + 3}}$					$\frac{p_0+2}{p_0+2}$		$\frac{p_5+2}{p_5+2}$		$\frac{p_5+1}{p_5+1}$ $\frac{3+p_5}{3+p_5}$					$\frac{p_0+1}{3+p_0}$
0 3 2 1 3 2 1 0 2 1 0 3 1 2 3 0	s ₃₄₄	Commutative	$\frac{2+p_5}{p_5+2}$ $\frac{x}{2+p_5}$					$p_0 + 2$ x		$\frac{\frac{1+p_0}{p_0+1}}{\frac{1+p_5}{}}$		$\frac{1+p_5}{p_5+1}$ $\frac{1+p_5}{1+p_0}$					$\frac{0+p_0}{p_0+0}$ $\frac{0+p_0}{0+p_0}$		$\frac{0+p_5}{p_5+0}$ $0+p_5$		$\frac{3+p_5}{p_5+3}$ $\frac{3+p_0}{3+p_0}$					$\frac{3+p_0}{p_0+3}$ $\frac{3+p_5}{3+p_5}$
$\begin{array}{c} 0 & 3 & 2 & 1 \\ 3 & 0 & 1 & 2 \\ \\ 2 & 1 & 0 & 3 \\ 3 & 0 & 1 & 2 \\ \end{array}$		Commutative	$p_5 + 2$					$\frac{2+p_0}{p_0+2}$		$p_5 + 1$		$p_0 + 1$					$p_0 + 0$		$p_5 + 0$		$p_0 + 3$					$p_5 + 3$
0 3 2 1 1 2 3 0 2 1 0 3	\$353	Left Identity Quasigroup	$\frac{p_0 + 2}{2 + p_5}$					$\frac{2+p_0}{p_5+2}$		$\frac{p_0 + 1}{3 + p_5}$		$\frac{3+p_0}{p_5+1}$					$\frac{0+p_0}{p_5+0}$		$\frac{p_0 + 0}{0 + p_5}$		$\frac{1+p_0}{p_5+3}$					$\frac{p_0 + 3}{1 + p_5}$
$\begin{array}{c} 3 & 2 & 1 & 0 \\ 0 & 3 & 2 & 1 \\ 1 & 0 & 3 & 2 \\ \hline \\ 2 & 3 & 0 & 1 \\ \end{array}$	s358	Left Identity	$\frac{p_0+2}{2+p_5}$					$\frac{2+p_0}{p_5+2}$		$\frac{3+p_0}{p_5+1}$		$\frac{p_0+1}{3+p_5}$					$\frac{0+p_0}{p_5+0}$		$\frac{p_0+0}{0+p_5}$		$\frac{p_0+3}{1+p_5}$					$\frac{1+p_0}{p_5+3}$
1 0 3 2 0 1 2 3 3 2 1 0	s ₃₉₄	Quasigroup Right Identity	$\frac{2+p_0}{p_5+2}$					$\frac{\overline{p_0 + 2}}{2 + p_5}$		$\frac{1+p_0}{p_5+3}$		$\frac{p_0+3}{1+p_5}$					$\frac{p_0+0}{0+p_5}$		$\frac{0+p_0}{p_5+0}$		$\frac{p_0+1}{3+p_5}$					$\frac{3+p_0}{p_5+1}$
2 3 0 1 1 2 3 0 0 1 2 3 3 0 1 2	s ₃₉₈	Quasigroup Right Identity	$\frac{x}{2+p_0}$ $\frac{p_5+2}$					$\frac{p_0+2}{2+p_5}$		$\frac{p_0+3}{1+p_5}$		$\frac{\overline{1+p_0}}{p_5+3}$					$\frac{\overline{p_0+0}}{0+p_5}$		$\frac{0+p_0}{p_5+0}$		$\frac{\overline{3+p_0}}{p_5+1}$					$\frac{p_0+1}{3+p_5}$
$\begin{array}{c} 0 & 1 & 2 & 3 \\ 1 & 0 & 3 & 2 \\ 2 & 3 & 0 & 1 \\ 3 & 2 & 1 & 0 \end{array}$	s_0	Abelian	$\frac{x}{0+p_0} \\ \frac{p_0+0}{p_0+0}$	$\frac{\frac{X}{0 + p_1}}{p_1 + 0}$	$\frac{\mathbf{x}}{\frac{0+p_2}{p_2+0}}$	$\frac{\frac{\mathbf{x}}{0+p_3}}{p_3+0}$	$\frac{x}{0+p_4} \\ \frac{p_4+0}{p_4+0}$	$\frac{\frac{x}{0+p_5}}{p_5+0}$	$\frac{\overline{1+p_1}}{p_1+1}$	$\frac{\overline{1+p_0}}{p_0+1}$	$\frac{\overline{1+p_4}}{p_4+1}$	$\frac{\overline{1+p_5}}{p_5+1}$	$\frac{\overline{1+p_2}}{p_2+1}$	$\frac{\overline{1+p_3}}{p_3+1}$	$\frac{\overline{2+p_3}}{p_3+2}$	$\frac{\overline{2+p_2}}{p_2+2}$	$\frac{\overline{2+p_5}}{p_5+2}$	$\frac{\overline{2+p_4}}{p_4+2}$	$\frac{2+p_0}{p_0+2}$	$\frac{\overline{2+p_1}}{p_1+2}$	$\frac{\overline{3+p_5}}{p_5+3}$	$\frac{\overline{3+p_4}}{p_4+3}$	$\frac{\overline{3+p_3}}{p_3+3}$	$\frac{3+p_2}{p_2+3}$	$\frac{\overline{3+p_1}}{p_1+3}$	$\frac{\overline{3+p_0}}{p_0+3}$
$\begin{smallmatrix} 2 & 3 & 1 & 0 \\ 3 & 2 & 0 & 1 \\ 1 & 0 & 3 & 2 \\ 0 & 1 & 2 & 3 \end{smallmatrix}$	s ₄₃₁	Abelian	$\frac{\frac{\mathbf{x}}{3+p_0}}{p_0+3}$	$\frac{\overline{2+p_6}}{p_6+2}$					$\frac{\frac{x}{3+p_6}}{p_6+3}$	$\frac{2+p_0}{p_0+2}$									$\frac{\overline{1+p_6}}{p_6+1}$	$\frac{0+p_0}{p_0+0}$					$\frac{\overline{1+p_0}}{p_0+1}$	$\frac{\overline{0+p_6}}{p_6+0}$
$\begin{array}{c} 3 & 2 & 0 & 1 \\ 2 & 3 & 1 & 0 \\ 0 & 1 & 2 & 3 \\ 1 & 0 & 3 & 2 \end{array}$	s ₅₄₈	Abelian	$\frac{x}{2+p_0}\\ \frac{p_0+2}{p_0+2}$	$\frac{\overline{3+p_6}}{p_6+3}$					$\frac{x}{\frac{2+p_6}{p_6+2}}$	$\frac{3+p_0}{p_0+3}$									$\frac{0+p_6}{p_6+0}$	$\frac{1+p_0}{p_0+1}$					$\frac{0+p_0}{p_0+0}$	$\frac{1+p_6}{p_6+1}$
$\begin{array}{c} 2 & 3 & 0 & 1 \\ 3 & 2 & 1 & 0 \\ 0 & 1 & 3 & 2 \\ 1 & 0 & 2 & 3 \end{array}$	s ₄₀₅	Quasigroup Commutative	$\frac{x}{3+p_6}$ $\frac{p_6+3}$	$\frac{2+p_0}{p_0+2}$					$\frac{x}{3+p_0}$ $\frac{p_0+3}{p_0+3}$	$\frac{\overline{2+p_6}}{p_6+2}$									$\frac{0+p_0}{p_0+0}$	$\frac{1+p_6}{p_6+1}$					$\frac{\overline{0+p_6}}{p_6+0}$	$\frac{1+p_0}{p_0+1}$
$\begin{array}{c} 2 & 3 & 0 & 1 \\ 3 & 2 & 1 & 0 \\ 1 & 0 & 2 & 3 \\ 0 & 1 & 3 & 2 \end{array}$	s ₄₀₆	Quasigroup Left Identity	$\frac{\mathbf{x}}{p_0+2}$	$3 + p_0$					$\frac{\mathbf{x}}{2+p_0}$	$p_0 + 3$									$0 + p_0$	$p_0 + 0$					${p_0 + 1}$	$1 + p_0$
$\begin{array}{c} 2 & 3 & 0 & 1 \\ 3 & 2 & 1 & 0 \\ 1 & 0 & 3 & 2 \end{array}$	s ₄₀₇	Quasigroup Right Identity	$ \begin{array}{c} 2 + p_6 \\ \hline x \\ 3 + p_0 \\ \hline p_6 + 3 \end{array} $	$\frac{p_6+3}{p_0+2}$					$ \begin{array}{c} p_6 + 2 \\ \hline x \\ \hline p_0 + 3 \\ \hline 3 + p_6 \end{array} $	$\frac{3+p_6}{2+p_0}$ $\frac{2+p_0}{p_6+2}$									$\frac{p_6+1}{0+p_0}$	$\frac{1+p_6}{p_0+0}$					$\frac{\overline{0+p_6}}{\overline{p_0+1}}$	$\frac{p_6 + 0}{\frac{1 + p_0}{p_6 + 0}}$
2 3 1 0 3 2 0 1 0 1 2 3	s ₄₂₈	Quasigroup Right Identity	$\frac{x}{2+p_0}$	$\frac{2 + p_6}{p_0 + 3}$					$\frac{x}{p_0 + 2}$	$\frac{p_6+2}{3+p_0}$									$\frac{p_6+1}{p_0+0}$	$\frac{1+p_6}{0+p_0}$					$0 + p_6$ $1 + p_0$	
2 3 1 0 3 2 0 1 0 1 3 2	s ₄₂₉	Quasigroup	$\frac{p_6 + 2}{x}$	$\frac{3+p_6}{2+p_0}$					$\frac{2 + p_6}{x}$ $\frac{x}{3 + p_0}$	$\frac{\overline{p_6+3}}{\overline{p_0+2}}$									$\frac{1+p_6}{p_0+0}$	$\frac{\overline{p_6+1}}{0+p_0}$					$\frac{\overline{p_6+0}}{1+p_0}$	$\frac{p_0 + 1}{0 + p_6}$
$ \begin{array}{c} 0 & 1 & 3 & 2 \\ 1 & 0 & 2 & 3 \end{array} $ $ \begin{array}{c} 2 & 3 & 1 & 0 \\ 3 & 2 & 0 & 1 \\ 1 & 0 & 2 & 3 \end{array} $		Left Identity Quasigroup	$\frac{p_0+3}{3+p_6}$	$p_6 + 2$					$\frac{x}{p_6+3}$ $\frac{x}{2+p_0}$ p_0+2	$2 + p_6$									$1 + p_6$	$p_6 + 1$					$p_6 + 0$	$0 + p_6$
$ \begin{array}{c} 1 & 0 & 2 & 3 \\ 0 & 1 & 3 & 2 \end{array} $ $ \begin{array}{c} 3 & 2 & 0 & 1 \\ 2 & 3 & 1 & 0 \end{array} $	s430	Commutative	$\frac{\frac{2+p_6}{2+p_6}}{\frac{x}{2+p_6}}$	$\frac{3+p_0}{p_0+3}$					x	$\frac{3+p_6}{p_6+3}$									$\frac{1+p_6}{p_6+1}$	$\frac{0+p_0}{p_0+0}$					$\frac{1+p_0}{p_0+1}$	$\frac{0+p_6}{p_6+0}$
3 2 0 1 2 3 1 0	s ₅₄₉	Commutative	$\frac{3+p_6}{p_6+3}$	$\frac{2+p_0}{p_0+2}$					$\frac{3+p_0}{p_0+3}$	$\frac{2+p_6}{p_6+2}$									$\frac{0 + p_6}{p_6 + 0}$	$\frac{1+p_0}{p_0+1}$					$\frac{0+p_0}{p_0+0}$	$\frac{1+p_6}{p_6+1}$
1 0 2 3 0 1 3 2	s ₅₅₀	Left Identity	$\frac{p_0 + 2}{2 + p_6}$	$\frac{3+p_0}{p_6+3}$					$\frac{\frac{2}{2+p_0}}{p_6+2}$	$\frac{p_0 + 3}{3 + p_6}$									$\frac{p_0 + 1}{0 + p_6}$	$\frac{1+p_0}{p_6+0}$					$\frac{0+p_0}{p_6+1}$	$\frac{p_0+0}{1+p_6}$
3 2 0 1 2 3 1 0 1 0 3 2 0 1 2 3 3 2 1 0	s ₅₅₁	Quasigroup Right Identity	$\frac{3+p_0}{p_6+3}$	$\frac{p_0+2}{2+p_6}$					$\frac{\overline{p_0 + 3}}{3 + p_6}$	$\frac{2+p_0}{p_6+2}$									$\frac{p_0 + 1}{0 + p_6}$	$\frac{1+p_0}{p_6+0}$					$\frac{0+p_0}{p_6+1}$	$\frac{\overline{p_0 + 0}}{1 + p_6}$
2 3 0 1 0 1 2 3 1 0 3 2	s ₅₇₂	Quasigroup Right Identity	$\frac{2+p_0}{p_6+2}$	$\frac{p_0+3}{3+p_6}$					$\frac{\frac{p_0+2}{p_0+2}}{2+p_6}$	$\frac{\overline{3+p_0}}{p_6+3}$									$\frac{1+p_0}{p_6+0}$	$\frac{\overline{p_0+1}}{0+p_6}$					$\frac{\overline{p_0+0}}{1+p_6}$	$\frac{\overline{0+p_0}}{p_6+1}$
3 2 1 0 2 3 0 1 0 1 3 2 1 0 2 3	s ₅₇₃	Quasigroup Left Identity	$\frac{p_0+3}{3+p_6}$	$\frac{\overline{2+p_0}}{p_6+2}$					$\frac{3+p_0}{p_6+3}$	$\frac{\overline{p_0+2}}{2+p_6}$									$\frac{\overline{1+p_0}}{p_6+0}$	$\frac{\overline{p_0+1}}{0+p_6}$					$\frac{\overline{p_0 + 0}}{1 + p_6}$	$\frac{\overline{0+p_0}}{p_6+1}$
3 2 1 0 2 3 0 1 1 0 2 3 0 1 3 2	s ₅₇₄	Quasigroup Commutative	$\frac{\frac{x}{2+p_6}}{p_6+2}$	$\frac{\overline{3+p_0}}{p_0+3}$					$\frac{x}{\frac{2+p_0}{p_0+2}}$	$\frac{\overline{3+p_6}}{p_6+3}$									$\frac{\overline{1+p_0}}{p_0+1}$	$\frac{\overline{0+p_6}}{p_6+0}$					$\frac{\overline{1+p_6}}{p_6+1}$	$\frac{\overline{0+p_0}}{p_0+0}$
$\begin{array}{c} 0\ 2\ 1\ 3 \\ 3\ 1\ 2\ 0 \\ 1\ 3\ 0\ 2 \\ 2\ 0\ 3\ 1 \end{array}$	s ₆₉	Quasigroup			$\frac{\overline{0+p_0}}{3+p_7}$		$\frac{\overline{p_0+0}}{\overline{p_7+3}}$			х	$\frac{\overline{p_0+2}}{p_7+1}$		$\frac{2+p_0}{1+p_7}$			$\frac{\overline{3+p_0}}{0+p_7}$		$\frac{\overline{p_0+1}}{\overline{p_7+2}}$				$\frac{\overline{p_0+3}}{p_7+0}$		$\frac{\overline{1+p_0}}{2+p_7}$		
$\begin{array}{c} 0 & 2 & 1 & 3 \\ 3 & 1 & 2 & 0 \\ 2 & 0 & 3 & 1 \\ 1 & 3 & 0 & 2 \end{array}$	s ₇₀	Quasigroup			$\frac{\overline{0+p_0}}{2+p_7}$			$\frac{\overline{p_0+0}}{\overline{p_7+3}}$		x		$\frac{\overline{p_0+2}}{\overline{p_7+1}}$	$\frac{\overline{3+p_0}}{1+p_7}$			$\frac{2+p_0}{0+p_7}$	$\frac{\overline{p_0+1}}{\overline{p_7+2}}$				$\frac{\overline{p_0+3}}{\overline{p_7+0}}$			$\frac{1+p_0}{3+p_7}$		
$\begin{array}{c} 0 & 2 & 3 & 1 \\ 3 & 1 & 0 & 2 \\ 2 & 0 & 1 & 3 \\ 1 & 3 & 2 & 0 \end{array}$	s ₉₂	Quasigroup				$\frac{\overline{0+p_0}}{2+p_7}$		$\frac{\overline{p_0+0}}{\overline{p_7+2}}$		x		$\frac{\overline{p_0+3}}{\overline{p_7+1}}$		$\frac{3+p_0}{1+p_7}$	$\frac{2+p_0}{0+p_7}$		$\frac{\overline{p_0+1}}{\overline{p_7+3}}$		_		$\frac{\overline{p_0+2}}{\overline{p_7+0}}$	_	$\frac{\overline{1+p_0}}{3+p_7}$			
0 3 1 2 2 1 3 0 1 2 0 3 3 0 2 1	s ₁₀₉	Quasigroup			$\frac{\overline{p_0+0}}{\overline{p_7+3}}$		$\frac{0+p_0}{3+p_7}$			х	$\frac{\overline{2+p_0}}{1+p_7}$		$\frac{\overline{p_0+2}}{\overline{p_7+1}}$			$\frac{\overline{p_0+3}}{\overline{p_7+0}}$		$\frac{\overline{1+p_0}}{2+p_7}$				$\frac{3+p_0}{0+p_7}$		$\frac{\overline{p_0+1}}{\overline{p_7+2}}$		
0 3 2 1 2 1 0 3 1 2 3 0 3 0 1 2	s ₁₃₁	Quasigroup			$\frac{1}{p_0 + 0}$		3 T P7	$\frac{0+p_0}{3+p_7}$		x	- + P7	$\frac{2+p_0}{1+p_0}$	$\frac{p_7+1}{p_0+3}$ $\frac{p_0+3}{p_7+1}$			$\frac{1}{p_0 + 2}$	$\frac{1+p_0}{2+p_0}$	+ <i>p</i> 7			$\frac{3+p_0}{0+n\pi}$	→ ⊤ <i>P</i> 7		$p_0 + 1$		
$\begin{array}{c} 0 & 3 & 2 & 1 \\ 2 & 1 & 0 & 3 \\ 3 & 0 & 1 & 2 \end{array}$	s ₁₃₂	Quasigroup			$p_7 + 2$	$\overline{p_0+0}$		$\frac{3+p_7}{0+p_0}$		x		$\frac{1+p_7}{3+p_0}$	p ₇ + 1	$\overline{p_0+3}$	$\overline{p_0+2}$	$p_7 + 0$	$\frac{1+p_0}{2+p_1}$				$\frac{0+p_7}{2+p_0}$		$p_0 + 1$	$p_7 + 3$		
1 2 3 0 1 2 0 3 3 0 2 1 0 3 1 2	s ₂₁₁	Quasigroup			$p_0 + 2$	$p_7 + 2$	$2 + p_0$	$2 + p_7$		х	$0 + p_0$	$1 + p_7$	$p_0 + 0$	$p_7 + 1$	$p_7 + 0$	$p_0 + 1$	$3 + p_7$	$3 + p_0$			$0 + p_7$	$1 + p_0$	$p_7 + 3$	$p_0 + 3$		
1 2 3 0 3 0 1 2 0 3 2 1	s ₂₃₃	Quasigroup			$\frac{p_7+1}{p_7+3}$		$1+p_7$	$\frac{1}{2+p_0}$		x	$\frac{0+p_0}{3+p_7}$	$\overline{0+p_0}$	$p_7 + 3$			$\frac{p_0+1}{p_7+2}$ $\frac{p_0+1}{p_0+1}$	$\frac{1}{3+p_0}$	$\frac{1}{0+p_7}$			$\overline{1+p_0}$	$\frac{1}{2 + p_7}$		$\frac{p_7 + 0}{p_0 + 2}$		
1 2 3 0 3 0 1 2 2 1 0 3		Quasigroup			$\frac{p_0 + 3}{p_7 + 1}$	<u></u>		$\frac{2+p_0}{1+p_7}$ $\frac{3+p_0}{3+p_0}$		x		$\frac{0+p_0}{3+p_7}$ $\frac{0+p_0}{0+p_0}$	$\frac{p_0 + 0}{p_7 + 2}$	$\frac{1}{n_0 + 0}$	no. 1 1	$\frac{p_0 + 1}{p_7 + 3}$	$\frac{3+p_0}{0+p_7}$ $\frac{3+p_0}{2+p_0}$				$\frac{1+p_0}{2+p_7}$ $\frac{1+p_0}{1+p_0}$		no + 2	$\frac{p_0 + 2}{p_7 + 0}$		
1 3 0 2 2 0 3 1	\$234					$\frac{p_0 + 3}{p_7 + 1}$		$\frac{3+p_0}{1+p_7}$				$\frac{0+p_0}{2+p_7}$		$\frac{p_0+0}{p_7+2}$	$\frac{p_0+1}{p_7+3}$		$\frac{2+p_0}{0+p_7}$				$\frac{1+p_0}{3+p_7}$		$\frac{p_0+2}{p_7+0}$	0		
2 0 3 1 0 2 1 3 3 1 2 0 1 3 0 2 2 0 3 1	s ₂₅₁	Quasigroup			$\frac{2+p_0}{1+p_7}$		$\frac{p_0+2}{p_7+1}$			х	$\frac{p_0+0}{p_7+3}$		$\frac{0+p_0}{3+p_7}$			$\frac{1+p_0}{2+p_7}$		$\frac{p_0+3}{p_7+0}$				$\frac{p_0+1}{p_7+2}$		$\frac{3+p_0}{0+p_7}$		
3 1 2 0 0 2 1 3 1 3 2 0	s ₂₅₂	Quasigroup			$\frac{3+p_0}{1+p_7}$			$\frac{\overline{p_0+2}}{p_7+1}$		х		$\frac{\overline{p_0+0}}{p_7+3}$	$\frac{0+p_0}{2+p_7}$			$\frac{\overline{1+p_0}}{3+p_7}$	$\frac{p_0+3}{p_7+0}$				$\frac{\overline{p_0+1}}{\overline{p_7+2}}$			$\frac{2+p_0}{0+p_7}$		
2 0 1 3 3 1 0 2 0 2 3 1	s ₂₇₄	Quasigroup				$\frac{3+p_0}{1+p_7}$		$\frac{\overline{p_0+3}}{\overline{p_7+1}}$		х		$\frac{\overline{p_0+0}}{p_7+2}$		$\frac{\overline{0+p_0}}{2+p_7}$	$\frac{\overline{1+p_0}}{3+p_7}$		$\frac{p_0+2}{p_7+0}$				$\frac{\overline{p_0+1}}{\overline{p_7+3}}$		$\frac{2+p_0}{0+p_7}$			
2 0 1 3 1 3 2 0 0 2 3 1 3 1 0 2	s ₃₀₁	Quasigroup				$\frac{2+p_0}{0+p_7}$		$\frac{\overline{p_0+1}}{\overline{p_7+3}}$		х		$\frac{\overline{p_0+2}}{p_7+0}$		$\frac{\overline{1+p_0}}{3+p_7}$	$\frac{\overline{0+p_0}}{2+p_7}$		$\frac{\overline{p_0+0}}{\overline{p_7+2}}$				$\frac{\overline{p_0+3}}{p_7+1}$		$\frac{\overline{3+p_0}}{1+p_7}$			
$\begin{array}{c} 2 & 0 & 3 & 1 \\ 1 & 3 & 0 & 2 \\ 0 & 2 & 1 & 3 \\ 3 & 1 & 2 & 0 \end{array}$	s ₃₂₃	Quasigroup			$\frac{2+p_0}{0+p_7}$			$\frac{\overline{p_0+1}}{\overline{p_7+2}}$		х		$\frac{\overline{p_0+3}}{\overline{p_7+0}}$	$\frac{\overline{1+p_0}}{3+p_7}$			$\frac{0+p_0}{2+p_7}$	$\frac{\overline{p_0 + 0}}{\overline{p_7 + 3}}$				$\frac{\overline{p_0+2}}{\overline{p_7+1}}$			$\frac{3+p_0}{1+p_7}$		
$\begin{array}{c} 2 & 0 & 3 & 1 \\ 1 & 3 & 0 & 2 \\ 3 & 1 & 2 & 0 \\ 0 & 2 & 1 & 3 \end{array}$	s ₃₂₄	Quasigroup			$\frac{\overline{3+p_0}}{0+p_7}$		$\frac{\overline{p_0+1}}{\overline{p_7+2}}$			х	$\frac{\overline{p_0+3}}{\overline{p_7+0}}$		$\frac{1+p_0}{2+p_7}$			$\frac{0+p_0}{3+p_7}$		$\frac{\overline{p_0+0}}{\overline{p_7+3}}$				$\frac{\overline{p_0+2}}{p_7+1}$		$\frac{2+p_0}{1+p_7}$		
2 1 0 3 0 3 2 1 1 2 3 0 3 0 1 2	s ₃₄₁	Quasigroup				$\frac{\overline{p_0 + 2}}{p_7 + 0}$		$\frac{1+p_0}{3+p_7}$		x		$\frac{2+p_0}{0+p_7}$		$\frac{\overline{p_0+1}}{\overline{p_7+3}}$	$\frac{\overline{p_0+0}}{\overline{p_7+2}}$		$\frac{\overline{0+p_0}}{2+p_7}$		_		$\frac{3+p_0}{1+p_7}$		$\frac{\overline{p_0+3}}{\overline{p_7+1}}$		_	
2 1 0 3 0 3 2 1 3 0 1 2	s ₃₄₂	Quasigroup			$\frac{p_0 + 2}{p_7 + 0}$			$1 + p_0$		x		${3+p_0}$	$\frac{p_0 + 1}{p_7 + 3}$			$\frac{p_0 + 0}{p_7 + 2}$	$0 + p_0$				$2 + p_0$			$\frac{p_0 + 3}{p_7 + 1}$		
1 2 3 0	1				$p_7 + 0$		1	$2 + p_7$	1			$0 + p_7$	$p_7 + 3$		L	$p_7 + 2$	$3 + p_7$				$1 + p_7$		I	$p_7 + 1$		

2 1 3 0			<i>p</i> ₀ <i>p</i> ₁		<i>p</i> ₃	<i>p</i> ₄	<i>p</i> ₅	<i>p</i> ₆	<i>p</i> ₇	<i>p</i> ₈	<i>p</i> 9	<i>p</i> ₁₀	<i>p</i> ₁₁	p ₁₂	<i>p</i> ₁₃	p ₁₄	P15	P16	p ₁₇	p ₁₈	<i>p</i> ₁₉	P20	p ₂₁	p ₂₂	p ₂₃
0 3 1 2 3 0 2 1 1 2 0 3 3 0 1 2 1 2 3 0	s364	Quasigroup	x	$\frac{p_0 + 3}{p_7 + 0}$		$\frac{1+p_0}{2+p_7}$			х	$\frac{3+p_0}{0+p_7}$		$\frac{p_0+1}{p_7+2}$			$\frac{p_0 + 0}{p_7 + 3}$		$\frac{0+p_0}{3+p_7}$				$\frac{2+p_0}{1+p_7}$		$\frac{p_0 + 2}{p_7 + 1}$		
0 3 2 1 2 1 0 3 3 0 1 2	s443	Quasigroup	x		$\frac{p_0+1}{p_7+3}$		$\frac{2+p_0}{0+p_7}$		х		$\frac{1+p_0}{3+p_7}$		$\frac{p_0+2}{p_7+0}$	$\frac{p_0 + 3}{p_7 + 1}$		$\frac{3+p_0}{1+p_7}$				$\frac{0+p_0}{2+p_7}$		$\frac{p_0+0}{p_7+2}$			
1 2 3 0 2 1 0 3 0 3 2 1 3 0 2 1	8444	Quasigroup	x	$\frac{p_0 + 1}{p_7 + 3}$			$\frac{3+p_0}{0+p_7}$		х		$\frac{1+p_0}{2+p_7}$	$\frac{p_0 + 2}{p_7 + 0}$			$\frac{p_0 + 3}{p_7 + 1}$	$\frac{2+p_0}{1+p_7}$				$\frac{0+p_0}{3+p_7}$			$\frac{p_0 + 0}{p_7 + 2}$		
1 2 0 3 2 1 3 0 0 3 1 2 3 1 0 2	s466	Quasigroup	x	$\frac{p_0+1}{p_7+2}$		$\frac{3+p_0}{0+p_7}$			х	$\frac{1+p_0}{2+p_7}$		$\frac{p_0 + 3}{p_7 + 0}$			$\frac{p_0+2}{p_7+1}$		$\frac{2+p_0}{1+p_7}$				$\frac{0+p_0}{3+p_7}$		$\frac{p_0+0}{p_7+3}$		
$\begin{array}{c} 0 & 2 & 3 & 1 \\ 1 & 3 & 2 & 0 \\ 2 & 0 & 1 & 3 \\ \hline \\ 3 & 1 & 2 & 0 \\ \end{array}$	s ₄₈₃	Quasigroup	x		$\frac{1+p_0}{3+p_7}$		$\frac{p_0+2}{p_7+0}$		х		$\frac{p_0 + 1}{p_7 + 3}$		$\frac{2+p_0}{0+p_7}$	$\frac{3+p_0}{1+p_7}$		$\frac{p_0 + 3}{p_7 + 1}$				$\frac{p_0+0}{p_7+2}$		$\frac{0+p_0}{2+p_7}$			
$ \begin{array}{c} 0 & 2 & 1 & 3 \\ 1 & 3 & 0 & 2 \\ 2 & 0 & 3 & 1 \end{array} $ $ 3 & 1 & 2 & 0 $	s ₅₀₅	Quasigroup	x	$\frac{1+p_0}{3+p_7}$			$\frac{p_0+3}{p_7+0}$		х		$\frac{p_0+1}{p_7+2}$	$\frac{2+p_0}{0+p_7}$			$\frac{3+p_0}{1+p_7}$	$\frac{p_0+2}{p_7+1}$				$\frac{p_0+0}{p_7+3}$			$\frac{0+p_0}{2+p_7}$		
0 2 1 3 2 0 3 1 1 3 0 2	s ₅₀₆	Quasigroup Quasigroup	x	$\frac{1+p_0}{2+p_7}$		$\frac{p_0 + 3}{p_7 + 0}$			x	$\frac{p_0+1}{p_7+2}$		$\frac{3+p_0}{0+p_7}$		x	$\frac{2+p_0}{1+p_7}$		$\frac{p_0 + 2}{p_7 + 1}$				$\frac{p_0+0}{p_7+3}$		$\frac{0+p_0}{3+p_7}$		
3 2 1 0 2 3 0 1 0 1 2 3	s ₁₉₁	Right Identity	$\frac{3+p_0}{p_8+3}$		$\frac{p_0+1}{2+p_{12}}$	$\frac{0+p_8}{p_{12}+2}$			$\frac{0+p_0}{p_8+2}$	$\frac{3+p_8}{p_{12}+3}$			$\frac{p_0 + 0}{1 + p_{12}}$	$\frac{p_0+3}{3+p_{12}}$			$\frac{1+p_8}{p_{12}+0}$	$\frac{2+p_0}{p_8+1}$			$\frac{2+p_8}{p_{12}+1}$	$\frac{p_0 + 2}{0 + p_{12}}$			$\frac{1+p_0}{p_8+0}$
$\begin{array}{c} 0 & 2 & 3 & 1 \\ 3 & 1 & 0 & 2 \\ 2 & 0 & 1 & 3 \end{array}$	s ₂₇₁	Quasigroup Left Identity	$\frac{p_0+3}{3+p_8}$		$\frac{1+p_0}{p_{12}+2}$	$\frac{p_8 + 0}{2 + p_{12}}$			$\frac{\overline{p_0+0}}{2+p_8}$	$\frac{\overline{p_8 + 3}}{3 + p_{12}}$			$\frac{0+p_0}{p_{12}+1}$	$\frac{3+p_0}{p_{12}+3}$			$\frac{p_8+1}{0+p_{12}}$	$\frac{p_0+2}{1+p_8}$			$\frac{p_8+2}{1+p_{12}}$	$\frac{2+p_0}{p_{12}+0}$			$\frac{\overline{p_0+1}}{0+p_8}$
3 0 2 1 0 3 1 2 1 2 0 3	s ₃₇₉	Quasigroup Left Identity	$\frac{p_0+3}{3+p_{12}}$		$\frac{1+p_8}{p_{12}+0}$	$\frac{2+p_0}{p_8+1}$			$\frac{p_0+1}{2+p_{12}}$	$\frac{3+p_0}{p_8+3}$			$\frac{0+p_8}{p_{12}+2}$	$\frac{3+p_8}{p_{12}+3}$			$\frac{0+p_0}{p_8+2}$	$\frac{p_0+0}{1+p_{12}}$			$\frac{1+p_0}{p_8+0}$	$\frac{2+p_8}{p_{12}+1}$			$\frac{p_0 + 2}{0 + p_{12}}$
2 3 0 1 1 0 3 2 3 2 1 0 0 1 2 3	s397	Quasigroup Right Identity	$\frac{3+p_0}{p_{12}+3}$		$\frac{p_8+1}{0+p_{12}}$	$\frac{p_0+2}{1+p_8}$			$\frac{1+p_0}{p_{12}+2}$	$\frac{p_0+3}{3+p_8}$			$\frac{p_8+0}{2+p_{12}}$	$\frac{\overline{p_8 + 3}}{3 + p_{12}}$			$\frac{p_0+0}{2+p_8}$	$\frac{0+p_0}{p_{12}+1}$			$\frac{p_0+1}{0+p_8}$	$\frac{p_8 + 2}{1 + p_{12}}$			$\frac{2+p_0}{p_{12}+0}$
3 0 2 1 0 3 1 2 2 1 3 0 1 2 0 3	s ₄₆₃	Quasigroup Commutative	$\frac{3+p_{12}}{p_{12}+3}$		$\frac{0+p_8}{p_8+0}$	$\frac{1+p_0}{p_0+1}$			$\frac{1 + p_{12}}{p_{12} + 1}$	$\frac{3+p_0}{p_0+3}$			$\frac{2+p_8}{p_8+2}$	$\frac{3+p_8}{p_8+3}$			$\frac{2+p_0}{p_0+2}$	$\frac{0 + p_{12}}{p_{12} + 0}$			$\frac{0+p_0}{p_0+0}$	$\frac{1+p_8}{p_8+1}$			$\frac{2 + p_{12}}{p_{12} + 2}$
1 3 2 0 0 2 3 1 2 0 1 3	s ₄₉₃	Quasigroup Commutative	$\frac{3+p_8}{p_8+3}$		$\frac{2+p_0}{p_0+2}$	$\frac{0 + p_{12}}{p_{12} + 0}$			$\frac{0+p_8}{p_8+0}$	$\frac{3 + p_{12}}{p_{12} + 3}$			$\frac{1+p_0}{p_0+1}$	$\frac{3+p_0}{p_0+3}$		x	$\frac{1 + p_{12}}{p_{12} + 1}$	$\frac{2+p_8}{p_8+2}$			$\frac{2 + p_{12}}{p_{12} + 2}$	$\frac{0+p_0}{p_0+0}$			$\frac{1+p_8}{p_8+1}$
2 3 0 1 3 0 1 2 0 1 2 3	s ₂₃₁	Abelian	$\frac{3+p_0}{p_0+3}$				$\frac{1 + p_{14}}{p_{14} + 1}$		$\frac{2 + p_{14}}{p_{14} + 2}$		$\frac{0+p_0}{p_0+0}$					$\frac{3 + p_{14}}{p_{14} + 3}$		$\frac{1+p_0}{p_0+1}$		$\frac{2+p_0}{p_0+2}$					$\frac{0 + p_{14}}{p_{14} + 0}$
0 1 2 3 1 2 3 0 2 3 0 1	s ₄₃₂	Abelian	$\frac{\overline{1+p_0}}{p_0+1}$				$\frac{3 + p_{14}}{p_{14} + 3}$		$\frac{0 + p_{14}}{p_{14} + 0}$		$\frac{2+p_0}{p_0+2}$					$\frac{1+p_{14}}{p_{14}+1}$		$\frac{3+p_0}{p_0+3}$		$\frac{0+p_0}{p_0+0}$					$\frac{2 + p_{14}}{p_{14} + 2}$
0 3 2 1 3 2 1 0 2 1 0 3	s ₁₇₅	Quasigroup Commutative	$\frac{3+p_{14}}{p_{14}+3}$				$\frac{1+p_0}{p_0+1}$		$\frac{0+p_0}{p_0+0}$		$\frac{2 + p_{14}}{p_{14} + 2}$					$\frac{3+p_0}{p_0+3}$		$\frac{1 + p_{14}}{p_{14} + 1}$		$\frac{0 + p_{14}}{p_{14} + 0}$					$\frac{2+p_0}{p_0+2}$
2 1 0 3 3 2 1 0 0 3 2 1	s ₁₇₇	Quasigroup Left Identity	$\frac{p_0+1}{1+p_{14}}$				$\frac{3 + p_0}{p_{14} + 3}$		$\frac{0+p_0}{p_{14}+2}$		$\frac{p_0 + 0}{2 + p_{14}}$					$\frac{1+p_0}{p_{14}+1}$		$\frac{p_0 + 3}{3 + p_{14}}$		$\frac{p_0+2}{0+p_{14}}$					$\frac{2+p_0}{p_{14}+0}$
1 0 3 2 2 3 0 1 3 2 1 0 0 1 2 3	s ₁₈₁	Quasigroup Right Identity	$\frac{3+p_0}{p_{14}+3}$				$\frac{p_0 + 1}{1 + p_{14}}$		$\frac{0+p_0}{p_{14}+2}$		$\frac{p_0 + 0}{2 + p_{14}}$					$\frac{p_0+3}{3+p_{14}}$		$\frac{1+p_0}{p_{14}+1}$		$\frac{p_0+2}{0+p_{14}}$					$\frac{2+p_0}{p_{14}+0}$
0 1 2 3 3 0 1 2 2 3 0 1	s ₂₁₇	Quasigroup Right Identity	$\frac{\frac{\lambda}{1+p_0}}{p_{14}+1}$				$\frac{p_0+3}{3+p_{14}}$		$\frac{p_0 + 0}{2 + p_{14}}$		$\frac{0+p_0}{p_{14}+2}$					$\frac{\frac{x}{p_0+1}}{\frac{1+p_{14}}{x}}$		$\frac{3+p_0}{p_{14}+3}$		$\frac{2 + p_0}{p_{14} + 0}$					$\frac{\overline{p_0+2}}{0+p_{14}}$
1 2 3 0 0 3 2 1 3 0 1 2 2 1 0 3	s ₂₂₂	Quasigroup Left Identity	$ \frac{p_0 + 3}{3 + p_{14}} $				$\frac{1 + p_0}{p_{14} + 1}$		$\frac{p_0 + 0}{2 + p_{14}}$		$\frac{0+p_0}{p_{14}+2}$					$\frac{\frac{3}{3+p_0}}{\frac{p_{14}+3}{x}}$		$\frac{p_0 + 1}{1 + p_{14}}$		$\frac{2 + p_0}{p_{14} + 0}$					$\frac{\overline{p_0+2}}{0+p_{14}}$
1 2 3 0 2 1 0 3 3 0 1 2 0 3 2 1	s ₂₂₈	Quasigroup Commutative	$\frac{1+p_{14}}{p_{14}+1}$				$\frac{3+p_0}{p_0+3}$		$\frac{2 + p_{14}}{p_{14} + 2}$		$\frac{0+p_0}{p_0+0}$					$\frac{1+p_0}{p_0+1}$		$\frac{3 + p_{14}}{p_{14} + 3}$		$\frac{2+p_0}{p_0+2}$					$\frac{0 + p_{14}}{p_{14} + 0}$
0 3 2 1 1 2 3 0 2 1 0 3	s ₄₃₇	Quasigroup Commutative	$\frac{3+p_{14}}{p_{14}+3}$				$\frac{\overline{1+p_0}}{p_0+1}$		$\frac{0 + p_{14}}{p_{14} + 0}$		$\frac{2+p_0}{p_0+2}$					$\frac{3+p_0}{p_0+3}$		$\frac{1 + p_{14}}{p_{14} + 1}$		$\frac{0+p_0}{p_0+0}$					$\frac{2 + p_{14}}{p_{14} + 2}$
2 1 0 3 1 2 3 0 0 3 2 1	s ₄₅₀	Quasigroup Left Identity	$\frac{p_0+1}{1+p_{14}}$				$\frac{3+p_0}{p_{14}+3}$		$\frac{p_0 + 2}{0 + p_{14}}$		$\frac{2+p_0}{p_{14}+0}$					$\frac{1+p_0}{p_{14}+1}$		$\frac{p_0 + 3}{3 + p_{14}}$		$\frac{0+p_0}{p_{14}+2}$					$\frac{p_0 + 0}{2 + p_{14}}$
2 3 0 1 1 2 3 0 0 1 2 3	s ₄₅₅	Quasigroup Right Identity	$\frac{3+p_0}{p_{14}+3}$				$\frac{p_0+1}{1+p_{14}}$		$\frac{p_0 + 2}{0 + p_{14}}$		$\frac{2+p_0}{p_{14}+0}$					$\frac{p_0+3}{3+p_{14}}$		$\frac{1+p_0}{p_{14}+1}$		$\frac{0+p_0}{p_{14}+2}$					$\frac{p_0 + 0}{2 + p_{14}}$
0 1 2 3 1 0 3 2 2 3 0 1	s ₅₅₂	Quasigroup Right Identity	$\frac{1+p_0}{p_{14}+1}$				$\frac{p_0 + 3}{3 + p_{14}}$		$\frac{2+p_0}{p_{14}+0}$		$\frac{p_0 + 2}{0 + p_{14}}$					$\frac{p_0+1}{1+p_{14}}$		$\frac{3+p_0}{p_{14}+3}$		$\frac{p_0 + 0}{2 + p_{14}}$					$\frac{0+p_0}{p_{14}+2}$
0 3 2 1 1 0 3 2 2 1 0 3	s558	Quasigroup Left Identity	$ \begin{array}{c} p_0 + 3 \\ 3 + p_{14} \end{array} $				$\frac{1+p_0}{p_{14}+1}$		$\frac{2+p_0}{p_{14}+0}$		$\frac{p_0+2}{0+p_{14}}$					$\frac{3+p_0}{p_{14}+3}$		$\frac{\overline{p_0+1}}{1+p_{14}}$		$\frac{p_0 + 0}{2 + p_{14}}$					$\frac{0+p_0}{p_{14}+2}$
2 1 0 3 1 0 3 2 0 3 2 1	s ₅₇₁	Quasigroup Commutative	$\frac{1+p_{14}}{p_{14}+1}$	x			$\frac{3+p_0}{p_0+3}$	x	$\frac{\overline{2+p_0}}{p_0+2}$	x	$\frac{0 + p_{14}}{p_{14} + 0}$			x		$\frac{\overline{1+p_0}}{p_0+1}$		$\frac{3 + p_{14}}{p_{14} + 3}$		$\frac{2 + p_{14}}{p_{14} + 2}$					$\frac{0+p_0}{p_0+0}$
2 3 0 1 1 0 3 2 0 1 2 3 0 1 3 2	s ₅₇₅	Abelian	$\frac{3+p_0}{p_0+3}$ $\frac{2+}{p_6}$		$\frac{1 + p_{12}}{p_{12} + 1}$	$\frac{2+p_8}{p_8+2}$	$\frac{1 + p_{14}}{p_{14} + 1}$	$\frac{3+p_6}{p_6+3}$	$\frac{2+p_0}{p_0+2}$	$\frac{3+p_8}{p_8+3}$	$\frac{0 + p_{14}}{p_{14} + 0}$	$\frac{2+p_2}{p_2+2}$	$\frac{0 + p_{12}}{p_{12} + 0}$	$\frac{3 + p_{12}}{p_{12} + 3}$	$\frac{1+p_2}{p_2+1}$	$\frac{3+p_{14}}{p_{14}+3}$	$\frac{0+p_8}{p_8+0}$	$\frac{1+p_0}{p_0+1}$	$\frac{0+p_6}{p_6+0}$	$\frac{2+p_{14}}{p_{14}+2}$	$\frac{1+p_8}{p_8+1}$	$\frac{2+p_{12}}{p_{12}+2}$	$\frac{0+p_2}{p_2+0}$	$\frac{1+p_6}{p_6+1}$	$\frac{0+p_0}{p_0+0}$
2 3 1 0 1 0 2 3 3 2 0 1 0 1 3 2 3 2 0 1	s ₃₆	Quasigroup	x 0+3+2	$p_{16} = p_{16} + 1$	-			$\frac{2+p_0}{1+p_{16}}$				$\frac{p_0 + 1}{p_{16} + 0}$			$\frac{p_0+3}{p_{16}+2}$				$\frac{1+p_0}{2+p_{16}}$				$\frac{p_0 + 2}{p_{16} + 3}$	$\frac{3+p_0}{0+p_{16}}$	
0 2 1 3 1 3 0 2	842	Quasigroup	x 0+ 1+2	P ₁₆	_	$\frac{p_0 + 0}{p_{16} + 1}$		$\frac{2+p_0}{3+p_{16}}$		$\frac{p_0+1}{p_{16}+0}$							$\frac{p_0+3}{p_{16}+2}$		$\frac{3+p_0}{2+p_{16}}$		$\frac{p_0+2}{p_{16}+3}$			$\frac{1+p_0}{0+p_{16}}$	
3 1 2 0 2 0 3 1 0 2 1 3 2 0 3 1	s ₅₃	Quasigroup	$\frac{p_0}{p_{16}}$	$+3$ $1+p_{16}$				$\frac{p_0+2}{p_{16}+1}$				$\frac{1+p_0}{0+p_{16}}$			$\frac{3+p_0}{2+p_{16}}$				$\frac{p_0+1}{p_{16}+2}$				$\frac{2+p_0}{3+p_{16}}$	$\frac{p_0+3}{p_{16}+0}$	
0 2 3 1 2 0 1 3	859	Quasigroup	х	$\frac{0+p_0}{3+p_{16}}$	$p_{16} + 3$							$\frac{3+p_0}{0+p_{16}}$	$\frac{p_0 + 2}{p_{16} + 1}$	$\frac{p_0+1}{p_{16}+2}$	$\frac{1+p_0}{2+p_{16}}$							$\frac{p_0 + 3}{p_{16} + 0}$	$\frac{2+p_0}{1+p_{16}}$		
0 3 1 2 1 2 0 3	s ₈₁	Quasigroup	x	$\frac{p_0 + 0}{p_{16} + 3}$								$\frac{p_0+3}{p_{16}+0}$	$\frac{2+p_0}{1+p_{16}}$	$\frac{1+p_0}{2+p_{16}}$	$\frac{p_0+1}{p_{16}+2}$							$\frac{3+p_0}{0+p_{16}}$	$\frac{p_0+2}{p_{16}+1}$		
1 0 2 3 2 3 1 0	s ₁₀₀	Quasigroup	x <u>po</u> -	+ 1		$\frac{0 + p_0}{1 + p_{16}}$		$\frac{p_0 + 2}{p_{16} + 3}$		$\frac{1+p_0}{0+p_{16}}$							$\frac{3+p_0}{2+p_{16}}$		$\frac{p_0+3}{p_{16}+2}$		$\frac{2+p_0}{3+p_{16}}$			$\frac{p_0 + 1}{p_{16} + 0}$	
1 0 2 3 3 2 0 1	s ₁₅₆	Quasigroup	x 2+3+2	216	_	$\frac{p_0+1}{p_{16}+0}$		$\frac{0+p_0}{1+p_{16}}$		$\frac{p_0 + 0}{p_{16} + 1}$							$\frac{p_0+2}{p_{16}+3}$		$\frac{1+p_0}{0+p_{16}}$		$\frac{p_0+3}{p_{16}+2}$			$\frac{3+p_0}{2+p_{16}}$	
1 2 0 3 0 3 1 2	s ₁₆₂	Quasigroup	$\frac{2+}{1+}$	$p_{16} = p_{16} + 0$				$\frac{0+p_0}{3+p_{16}}$				$\frac{p_0 + 0}{p_{16} + 1}$			$\frac{p_0+2}{p_{16}+3}$				$\frac{3 + p_0}{0 + p_{16}}$				$\frac{p_0+3}{p_{16}+2}$	$\frac{1+p_0}{2+p_{16}}$	
1 3 0 2 0 2 1 3	s ₁₉₅	Quasigroup	$\frac{p_0}{p_{16}}$	+ 3	_	$\frac{1+p_0}{0+p_{16}}$		$\frac{p_0 + 0}{p_{16} + 1}$		$\frac{0+p_0}{1+p_{16}}$							$\frac{2+p_0}{3+p_{16}}$		$\frac{p_0 + 1}{p_{16} + 0}$		$\frac{3+p_0}{2+p_{16}}$			$\frac{p_0 + 3}{p_{16} + 2}$	
1 3 0 2 3 1 2 0	\$242	Quasigroup	$\frac{p_0}{p_{16}}$	$+1 0+p_{16}$	5			$\frac{p_0 + 0}{p_{16} + 3}$				$\frac{0+p_0}{1+p_{16}}$			$\frac{2+p_0}{3+p_{16}}$				$\frac{p_0+3}{p_{16}+0}$				$\frac{3+p_0}{2+p_{16}}$	$\frac{p_0+1}{p_{16}+2}$	
2 0 3 1 0 2 1 3 1 3 2 0 3 1 0 2	s ₂₆₁	Quasigroup	х	$\frac{3+p_0}{0+p_{16}}$	$p_{16} + 1$							$\frac{0+p_0}{3+p_{16}}$	$\frac{p_0 + 0}{p_{16} + 3}$	$\frac{p_0 + 3}{p_{16} + 0}$	$\frac{2+p_0}{1+p_{16}}$							$\frac{p_0 + 1}{p_{16} + 2}$	$\frac{1+p_0}{2+p_{16}}$		
2 0 1 3 0 2 3 1 2 0 1 3	\$283	Quasigroup	х	$\frac{p_0 + 3}{p_{16} + 6}$	$1+p_{16}$							$\frac{p_0 + 0}{p_{16} + 3}$	$\frac{0+p_0}{3+p_{16}}$	$\frac{3+p_0}{0+p_{16}}$	$\frac{p_0 + 2}{p_{16} + 1}$							$\frac{1+p_0}{2+p_{16}}$	$\frac{p_0 + 1}{p_{16} + 2}$		
$ \begin{array}{c} 3 & 1 & 0 & 2 \\ 1 & 3 & 2 & 0 \end{array} $ $ \begin{array}{c} 2 & 0 & 3 & 1 \\ 0 & 2 & 1 & 3 \end{array} $	\$292 \$214	Quasigroup	x	$\frac{p_0 + 1}{p_{16} + 2}$	$2 + p_{16}$							$\frac{p_0 + 2}{p_{16} + 1}$	$\frac{3+p_0}{0+p_{16}}$	$\frac{0+p_0}{3+p_{16}}$	$\frac{p_0 + 0}{p_{16} + 3}$							$\frac{2+p_0}{1+p_{16}}$	$\frac{p_0 + 3}{p_{16} + 0}$		
1 3 0 2 3 1 2 0 2 0 3 1	8314	Quasigroup	x	$\frac{1+p_0}{2+p_{16}}$	$p_{16} + 2$			n 10				$\frac{2+p_0}{1+p_{16}}$	$\frac{p_0+3}{p_{16}+0}$	$\frac{p_0 + 0}{p_{16} + 3}$	$\frac{0+p_0}{3+p_{16}}$				n 10			$\frac{p_0+2}{p_{16}+1}$	$\frac{3+p_0}{0+p_{16}}$		
$ \begin{array}{c} 3 & 1 & 2 & 0 \\ 1 & 3 & 0 & 2 \\ 0 & 2 & 1 & 3 \end{array} $ $ \begin{array}{c} 2 & 1 & 3 & 0 \\ 3 & 0 & 2 & 1 \end{array} $	8333	Quasigroup	$\frac{p_0}{p_{16}}$	$+2$ $2+p_{16}$		2.1.		$\frac{p_0 + 3}{p_{16} + 0}$		2.1		$\frac{2+p_0}{3+p_{16}}$			$\frac{0+p_0}{1+p_{16}}$		0.1		$\frac{p_0 + 0}{p_{16} + 3}$		1.1		$\frac{1+p_0}{0+p_{16}}$	$\frac{p_0 + 2}{p_{16} + 1}$	
3 0 2 1 1 2 0 3 0 3 1 2 2 3 1 0 0 1 3 2	\$380	Quasigroup	x <u>po</u> -	+ 2	-	$\frac{3+p_0}{2+p_{16}}$		$\frac{p_0 + 1}{p_{16} + 0}$		$\frac{2+p_0}{3+p_{16}}$							$\frac{0+p_0}{1+p_{16}}$		$\frac{p_0 + 0}{p_{16} + 1}$		$\frac{1+p_0}{0+p_{16}}$			$\frac{p_0 + 2}{p_{16} + 3}$	
$ \begin{array}{c} 3 & 2 & 0 & 1 \\ 1 & 0 & 2 & 3 \end{array} $ $ \begin{array}{c} 2 & 3 & 1 & 0 \\ 1 & 0 & 2 & 3 \end{array} $	S413	Quasigroup	$\begin{array}{c} x & \frac{1+}{2+x} \\ x & \frac{3+}{x} \end{array}$	$p_{16} = p_{16} + 2$	-			$\frac{3+p_0}{0+p_{16}}$		70 0		$\frac{p_0 + 2}{p_{16} + 3}$			$\frac{p_0 + 0}{p_{16} + 1}$		70.10		$\frac{0+p_0}{3+p_{16}}$				$\frac{p_0+1}{p_{16}+0}$	$\frac{2+p_0}{1+p_{16}}$	
$\begin{array}{c} 3 & 2 & 0 & 1 \\ 0 & 1 & 3 & 2 \\ \hline 3 & 0 & 2 & 1 \\ 2 & 1 & 3 & 0 \\ \end{array}$	\$419	Quasigroup	$\frac{3+}{2+}$	P ₁₆		$\frac{p_0 + 3}{p_{16} + 2}$		$\frac{1+p_0}{0+p_{16}}$		$\frac{p_0 + 2}{p_{16} + 3}$							$\frac{p_0 + 0}{p_{16} + 1}$		$\frac{0+p_0}{1+p_{16}}$		$\frac{p_0 + 1}{p_{16} + 0}$			$\frac{2+p_0}{3+p_{16}}$	
3 1 0 2 1 3 2 0 2 0 1 3	\$475 \$494	Quasigroup Quasigroup	$\frac{x}{p_{16}}$	+ 0	$3+p_0$	$\frac{2+p_0}{3+p_{16}}$		$\frac{p_0+3}{p_{16}+2}$		$\frac{3+p_0}{2+p_{16}}$		no. ± 1	$\frac{1+p_0}{1+p_0}$	2 + 2	no + 2		$\frac{1+p_0}{0+p_{16}}$		$\frac{p_0+2}{p_{16}+3}$		$\frac{0+p_0}{1+p_{16}}$	$0 + p_0$	70. 1.0	$\frac{p_0 + 0}{p_{16} + 1}$	
3 1 2 0 1 3 0 2	\$494 \$516			$\frac{p_0 + 2}{p_{16} + 1}$	$0 + p_{16}$							$\frac{p_0 + 1}{p_{16} + 2}$	$2 + p_{16}$	$\frac{2+p_0}{1+p_{16}}$	$\frac{p_0 + 3}{p_{16} + 0}$							$3 + p_{16}$	$\frac{p_0 + 0}{p_{16} + 3}$		
$ \begin{array}{c} 0 & 2 & 1 & 3 \\ 2 & 0 & 3 & 1 \end{array} $ $ \begin{array}{c} 3 & 1 & 2 & 0 \\ 2 & 0 & 3 & 1 \end{array} $	\$516	Quasigroup	x 70 -	$\frac{2+p_0}{1+p_{16}}$	$p_{16} + 0$			no. L. t				$\frac{1+p_0}{2+p_{16}}$	$\frac{p_0+1}{p_{16}+2}$	$\frac{p_0+2}{p_{16}+1}$	$\frac{3+p_0}{0+p_{16}}$				n- 1-0			$\frac{p_0 + 0}{p_{16} + 3}$	$\frac{0+p_0}{3+p_{16}}$	no LO	
0 2 1 3 1 3 0 2 3 2 0 1	S522	Quasigroup	$\frac{p_0}{p_{16}}$	$+ 0 3 + p_{16}$				$\frac{p_0 + 1}{p_{16} + 2}$				$\frac{3+p_0}{2+p_{16}}$			$\frac{1+p_0}{0+p_{16}}$		Po l 1		$\frac{p_0 + 2}{p_{16} + 1}$				$\frac{0+p_0}{1+p_{16}}$	$\frac{p_0 + 0}{p_{16} + 3}$ $0 + p_0$	
0 1 3 2 2 3 1 0 1 0 2 3 3 2 0 1 1 0 2 3	\$533 \$530	Quasigroup	$\frac{1}{0+2}$	216	-	$\frac{p_0+2}{p_{16}+3}$		$\frac{3+p_0}{2+p_{16}}$		$\frac{p_0+3}{p_{16}+2}$		70. 1.0			70 1 1		$\frac{p_0+1}{p_{16}+0}$		$\frac{2+p_0}{3+p_{16}}$		$\frac{p_0 + 0}{p_{16} + 1}$		70. 1.0	$1 + p_{16}$	
2 3 1 0 0 1 3 2 1 0 3 2 2 3 0 1	s ₁₇₈	Quasigroup Quasigroup	$\begin{array}{c} x \\ \hline x \\ \hline 2 + p_0 \end{array}$					$\frac{1+p_0}{2+p_{16}}$	$0 + p_0$	70 1 0		$\frac{p_0+3}{p_{16}+2}$	$\frac{x}{2+p_{11}}$	3+-	$\frac{p_0+1}{p_{16}+0}$		70. 2		$\frac{2+p_0}{1+p_{16}}$		$\frac{x}{n_0+2}$	1+-	$\frac{p_0 + 0}{p_{16} + 1}$	$\frac{0+p_0}{3+p_{16}}$	${3+p_0}$
$ \begin{array}{c} 0 & 1 & 2 & 3 \\ 3 & 2 & 1 & 0 \end{array} $ $ \begin{array}{c} 1 & 2 & 0 & 3 \\ 0 & 3 & 1 & 2 \end{array} $	\$178	Right Identity Quasigroup	$\frac{2+p_0}{p_{11}+2}$ $\frac{x}{p_0+2}$		$\frac{0 + p_{11}}{p_{19} + 3}$				$p_{11} + 3$	$\frac{p_0 + 0}{1 + p_{19}}$			$\frac{2 + p_{11}}{p_{19} + 2}$ $\frac{x}{p_{11} + 2}$	$\frac{3+p_{11}}{p_{19}+1}$			$\frac{p_0 + 3}{0 + p_{19}}$ $3 + p_0$	$\frac{1+p_0}{p_{11}+0}$			$\frac{p_0 + 2}{2 + p_{19}}$ $\frac{x}{2 + p_0}$	$\frac{1 + p_{11}}{p_{19} + 0}$ $\frac{1 + p_{11}}{p_{11} + 1}$			$\frac{3+p_0}{p_{11}+1}$ $\frac{3+p_0}{p_0+3}$
3 0 2 1 2 1 3 0 2 0 1 3 0 2 3 1	\$196 \$291	Left Identity Quasigroup	$ \begin{array}{r} p_0 + 2 \\ \hline 2 + p_{11} \\ \hline x \\ \hline 2 + p_{19} \end{array} $		$\frac{p_{11} + 0}{3 + p_{19}}$ $\frac{1 + p_0}{1 + p_0}$	$\frac{1+p_0}{p_{19}+3}$ $0+p_{11}$			$\frac{p_0 + 0}{3 + p_{11}}$ $\frac{1 + p_{19}}{1 + p_{19}}$	$\frac{0+p_0}{p_{19}+1}$			$\frac{p_{11} + 2}{2 + p_{19}}$ $\frac{x}{2 + p_{0}}$	$\frac{p_{11} + 3}{1 + p_{19}}$			$\frac{3 + p_0}{p_{19} + 0}$ $\frac{3 + p_0}{p_{19} + 0}$	$\frac{p_0 + 1}{0 + p_{11}}$ $\frac{3 + p_{19}}{3 + p_{19}}$			$\frac{2+p_0}{p_{19}+2}$ $\frac{x}{2+p_{11}}$	$\frac{p_{11}+1}{0+p_{19}}$			$\frac{p_0 + 3}{1 + p_{11}}$ $\frac{p_0 + 3}{1 + p_{11}}$
1 3 2 0 3 1 0 2 2 1 3 0 1 2 0 3	s ₂₉₁	Commutative	$\frac{p_{19}+2}{x}$		$\frac{1 + p_0}{p_0 + 1}$ $0 + p_{19}$	$\frac{0 + p_{11}}{p_{11} + 0}$ $\frac{3 + p_0}{3 + p_0}$			$\frac{1 + p_{19}}{p_{19} + 1}$ $\frac{1 + p_{19}}{p_{19} + 1}$	$\frac{3+p_{11}}{p_{11}+3}$			$\frac{2+p_0}{p_0+2}$ $\frac{x}{2+p_{19}}$	$\frac{0+p_0}{p_0+0}$			$\frac{1 + p_{11}}{p_{11} + 1}$ $\frac{1 + p_{11}}{0 + p_{0}}$	$p_{19} + 3$			$\frac{\overline{p_{11}+2}}{x}$	$\frac{3+p_0}{p_0+3}$ $\frac{3+p_0}{1+p_{10}}$			$\frac{0 + p_{19}}{p_{19} + 0}$ $\frac{3 + p_{11}}{3 + p_{11}}$
$\begin{array}{c} 3 & 0 & 2 & 1 \\ 0 & 3 & 1 & 2 \\ \hline & 3 & 1 & 0 & 2 \\ 2 & 0 & 1 & 3 \\ \end{array}$	\$373 \$499	Commutative	$ \frac{2 + p_{11}}{p_{11} + 2} $ $ \frac{x}{p_0 + 2} $		$\frac{0 + p_{19}}{p_{19} + 0}$ $\frac{3 + p_0}{2}$	$p_0 + 3$			$p_{11} + 0$	$\frac{1+p_0}{p_0+1}$			$\frac{p_{19}+2}{x}$	$\frac{3 + p_{19}}{p_{19} + 3}$ $\frac{3 + p_{19}}{1 + p_{0}}$			$p_0 + 0$	$\frac{1+p_{11}}{p_{11}+1}$			$\frac{2+p_0}{p_0+2}$ $\frac{x}{2+p_{11}}$	$\frac{1 + p_{19}}{p_{19} + 1}$ $0 + p_{0}$			$\frac{\frac{3+p_{11}}{p_{11}+3}}{\frac{p_{0}+0}{}}$
1 3 2 0 0 2 3 1 3 2 1 0 1 0 3 2	\$499 \$562	Left Identity Quasigroup	$ \frac{p_0 + 2}{2 + p_{19}} $ $ \frac{x}{2 + p_0} $		$\frac{3+p_0}{p_{11}+1}$ p_0+3	$\frac{1 + p_{11}}{p_{19} + 0}$ $\frac{1 + p_{11}}{p_{11} + 1}$			$\frac{p_0 + 1}{3 + p_{19}}$ $\frac{1 + p_0}{1 + p_0}$	$\frac{0 + p_{11}}{p_{19} + 3}$ $\frac{0 + p_{11}}{p_{11} + 0}$			$\frac{2+p_0}{p_{11}+2}$ $\frac{x}{p_0+2}$	$\frac{1+p_0}{p_{11}+0}$ p_0+1			$\frac{3 + p_{11}}{p_{19} + 1}$ $\frac{3 + p_{11}}{p_{19} + 1}$	$\frac{p_0 + 3}{0 + p_{19}}$ $3 + p_0$			$\frac{p_{19}+2}{x}$	$\frac{0+p_0}{p_{11}+3}$ $\frac{0+p_0}{p_0+0}$			$\frac{p_0 + 0}{1 + p_{19}}$ $\frac{0 + p_0}{0 + p_0}$
1 2 0 3 2 1 3 0	s ₅₆₂	Right Identity Quasigroup	$ \frac{2 + p_0}{p_{19} + 2} $ $ \frac{x}{1 + p_{20}} $		$1 + p_{11}$	$0 + p_{19}$			$p_{19} + 3$	$\frac{p_{11} + 0}{3 + p_{19}}$ $\frac{p_{11} + 0}{0 + p_{0}}$			$\frac{p_0 + 2}{2 + p_{11}}$ $\frac{2 + p_{15}}{2 + p_{15}}$	$\frac{p_0 + 1}{0 + p_{11}}$ $\frac{3 + p_{15}}{3 + p_{15}}$			$1 + p_{19}$ x	$\frac{3 + p_0}{p_{19} + 0}$ $\frac{3 + p_0}{2 + p_{20}}$			$\frac{p_{11} + 2}{2 + p_{19}}$ $\frac{3 + p_0}{3 + p_0}$	$3 + p_{11}$ x			$\frac{0 + p_0}{p_{19} + 1}$ $\frac{0 + p_{20}}{0 + p_{20}}$
0 3 1 2 3 0 2 1	s ₂₀₂	Commutative	$\frac{1+p_{20}}{p_{20}+1}$		$\frac{0 + p_{15}}{p_{15} + 0}$	$\frac{2+p_0}{p_0+2}$			$\frac{3 + p_{20}}{p_{20} + 3}$	$\frac{0+p_0}{p_0+0}$			$\frac{2+p_{15}}{p_{15}+2}$	$\frac{3+p_{15}}{p_{15}+3}$			$\frac{1+p_0}{p_0+1}$	$\frac{2+p_{20}}{p_{20}+2}$			$\frac{3+p_0}{p_0+3}$	$\frac{1 + p_{15}}{p_{15} + 1}$			$\frac{0+p_{20}}{p_{20}+0}$

1 3 2 0		Quasigroup	р ₀	<i>p</i> ₁	p_2	<i>p</i> ₃	<i>p</i> ₄	<i>p</i> ₅	<i>p</i> ₆	<i>p</i> 7	<i>p</i> 8	<i>p</i> 9	P10	<i>p</i> ₁₁	p ₁₂	p ₁₃	<i>p</i> ₁₄	p ₁₅	P16	P17	p ₁₈	<i>p</i> ₁₉	p ₂₀	p_{21}	p ₂₂	P23
3 1 0 2 2 0 1 3 0 2 3 1 2 0 1 3	s ₂₈₄	Quasigroup Commutative	$\frac{1 + p_{15}}{p_{15} + 1}$			$\frac{3+p_0}{p_0+3}$	$\frac{0 + p_{20}}{p_{20} + 0}$			$\frac{2 + p_{15}}{p_{15} + 2}$	$\frac{3 + p_{20}}{p_{20} + 3}$			$\frac{0+p_0}{p_0+0}$	$\frac{2+p_0}{p_0+2}$			$\frac{1 + p_{20}}{p_{20} + 1}$	$\frac{0 + p_{15}}{p_{15} + 0}$			$\frac{2 + p_{20}}{p_{20} + 2}$	$\frac{\overline{1+p_0}}{p_0+1}$			$\frac{3 + p_{15}}{p_{15} + 3}$
3 1 0 2 0 2 3 1 1 3 2 0	s ₃₀₄	Quasigroup Left Identity	$\frac{\overline{p_0 + 1}}{1 + p_{15}}$			$\frac{2 + p_0}{p_{20} + 3}$	$\frac{p_{15}+0}{3+p_{20}}$			$\frac{p_0 + 2}{0 + p_{15}}$	$\frac{p_{15} + 3}{2 + p_{20}}$			$\frac{3+p_0}{p_{20}+0}$	$\frac{0+p_0}{p_{20}+2}$			$\frac{p_{15} + 1}{1 + p_{20}}$	$\frac{p_0 + 0}{3 + p_{15}}$			$\frac{p_{15} + 2}{0 + p_{20}}$	$\frac{1+p_0}{p_{20}+1}$			$\frac{p_0 + 3}{2 + p_{15}}$
2 3 0 1 0 1 2 3 1 0 3 2 3 2 1 0	s ₃₈₄	Quasigroup Right Identity	$\frac{1+p_0}{p_{15}+1}$			$\frac{p_0 + 2}{3 + p_{20}}$	$\frac{0 + p_{15}}{p_{20} + 3}$			$\frac{2+p_0}{p_{15}+0}$	$\frac{3 + p_{15}}{p_{20} + 2}$			$\frac{p_0 + 3}{0 + p_{20}}$	$\frac{p_0 + 0}{2 + p_{20}}$			$\frac{1 + p_{15}}{p_{20} + 1}$	$\frac{0+p_0}{p_{15}+3}$			$\frac{2 + p_{15}}{p_{20} + 0}$	$\frac{\frac{1}{p_0 + 1}}{1 + p_{20}}$			$\frac{3+p_0}{p_{15}+2}$
3 0 2 1 2 1 3 0 1 2 0 3 0 3 1 2	s ₄₇₆	Quasigroup Left Identity	$\frac{x}{\frac{p_0+1}{1+p_{20}}}$			$\frac{2 + p_{15}}{p_{20} + 0}$	$\frac{\overline{3+p_0}}{p_{15}+2}$			$\frac{\overline{p_0+3}}{0+p_{20}}$	$\frac{2 + p_0}{p_{15} + 0}$			$\frac{3 + p_{15}}{p_{20} + 2}$	$\frac{0 + p_{15}}{p_{20} + 3}$			$\frac{\frac{\mathbf{x}}{1+p_0}}{p_{15}+1}$	$\frac{\overline{p_0 + 2}}{3 + p_{20}}$			$\frac{0 + p_0}{p_{15} + 3}$	$\frac{\frac{1}{1+p_{15}}}{p_{20}+1}$			$\frac{p_0 + 0}{2 + p_{20}}$
3 2 1 0 0 1 2 3 2 3 0 1 1 0 3 2	s ₅₅₅	Quasigroup Right Identity	$\frac{\frac{x}{1 + p_0}}{p_{20} + 1}$			$\frac{\overline{p_{15} + 2}}{0 + p_{20}}$	$\frac{p_0+3}{2+p_{15}}$			$\frac{3 + p_0}{p_{20} + 0}$	$\frac{\overline{p_0+2}}{0+p_{15}}$			$\frac{p_{15} + 3}{2 + p_{20}}$	$\frac{p_{15} + 0}{3 + p_{20}}$			$\frac{\frac{\mathbf{x}}{p_0 + 1}}{1 + p_{15}}$	$\frac{2 + p_0}{p_{20} + 3}$			$\frac{\overline{p_0+0}}{3+p_{15}}$	$\frac{x}{\frac{p_{15}+1}{1+p_{20}}}$			$\frac{0+p_0}{p_{20}+2}$
1 3 0 2 3 2 1 0 0 1 2 3 2 0 3 1	s ₂₆₂	Abelian	$\frac{\frac{x}{2+p_0}}{p_0+2}$		$\frac{1 + p_{21}}{p_{21} + 1}$					$\frac{3 + p_{21}}{p_{21} + 3}$			$\frac{\overline{0+p_0}}{p_0+0}$			$\frac{3+p_0}{p_0+3}$			$\frac{0 + p_{21}}{p_{21} + 0}$					$\frac{x}{2 + p_{21}} \\ \frac{p_{21} + 2}{p_{21} + 2}$		$\frac{\overline{1+p_0}}{p_0+1}$
2 0 3 1 0 1 2 3 3 2 1 0 1 3 0 2	s ₃₁₃	Abelian	$\frac{\frac{x}{1+p_0}}{p_0+1}$		$\frac{2 + p_{21}}{p_{21} + 2}$					$\frac{0 + p_{21}}{p_{21} + 0}$			$\frac{3+p_0}{p_0+3}$			$\frac{\overline{0+p_0}}{p_0+0}$			$\frac{3 + p_{21}}{p_{21} + 3}$					$\frac{x}{1 + p_{21}} \\ \frac{1}{p_{21} + 1}$		$\frac{\overline{2+p_0}}{p_0+2}$
1 0 3 2 0 2 1 3 3 1 2 0 2 3 0 1	s ₁₇₃	Quasigroup Commutative	$\frac{\frac{x}{2 + p_{21}}}{p_{21} + 2}$		$\frac{\overline{1+p_0}}{p_0+1}$					$\frac{\overline{0+p_0}}{p_0+0}$			$\frac{3 + p_{21}}{p_{21} + 3}$			$\frac{0 + p_{21}}{p_{21} + 0}$			$\frac{\overline{3+p_0}}{p_0+3}$					$\frac{x}{2+p_0} \\ \frac{p_0+2}{p_0+2}$		$\frac{1 + p_{21}}{p_{21} + 1}$
1 0 3 2 3 1 2 0 0 2 1 3 2 3 0 1	s ₁₈₄	Quasigroup Left Identity	$\frac{x}{\frac{p_0+1}{1+p_{21}}}$		$\frac{2+p_0}{p_{21}+2}$					$\frac{0+p_0}{p_{21}+3}$			$\frac{p_0+0}{3+p_{21}}$			$\frac{p_0+3}{0+p_{21}}$			$\frac{3+p_0}{p_{21}+0}$					$\frac{x}{1+p_0}$ $\frac{1}{p_{21}+1}$		$\frac{p_0+2}{2+p_{21}}$
1 0 3 2 3 2 1 0 0 1 2 3 2 3 0 1	s ₁₈₈	Quasigroup Right Identity	$\frac{x}{\frac{2+p_0}{p_{21}+2}}$		$\frac{\overline{p_0+1}}{1+p_{21}}$					$\frac{\overline{0+p_0}}{p_{21}+3}$			$\frac{\overline{p_0+0}}{3+p_{21}}$			$\frac{p_0+3}{0+p_{21}}$			$\frac{\overline{3+p_0}}{p_{21}+0}$					$\frac{x}{\frac{p_0+2}{2+p_{21}}}$		$\frac{1+p_0}{p_{21}+1}$
$\begin{array}{c} 1 & 3 & 0 & 2 \\ 0 & 1 & 2 & 3 \\ 3 & 2 & 1 & 0 \\ 2 & 0 & 3 & 1 \end{array}$	s_{241}	Quasigroup Right Identity	$\frac{\mathbf{x}}{\frac{1+p_0}{p_{21}+1}}$		$\frac{p_0+2}{2+p_{21}}$					$\frac{p_0+0}{3+p_{21}}$			$\frac{0 + p_0}{p_{21} + 3}$			$\frac{3 + p_0}{p_{21} + 0}$			$\frac{p_0+3}{0+p_{21}}$					$\frac{x}{\frac{p_0+1}{1+p_{21}}}$		$\frac{2 + p_0}{p_{21} + 2}$
$\begin{array}{c} 1 & 3 & 0 & 2 \\ 0 & 2 & 1 & 3 \\ 3 & 1 & 2 & 0 \\ 2 & 0 & 3 & 1 \end{array}$	s_{245}	Quasigroup Left Identity	$\frac{\mathbf{x}}{\frac{p_0+2}{2+p_{21}}}$		$\frac{1+p_0}{p_{21}+1}$					$\frac{p_0 + 0}{3 + p_{21}}$			$\frac{0+p_0}{p_{21}+3}$			$\frac{3+p_0}{p_{21}+0}$			$\frac{p_0+3}{0+p_{21}}$					$\frac{x}{\frac{2+p_0}{p_{21}+2}}$		$\frac{\overline{p_0+1}}{1+p_{21}}$
$\begin{array}{c} 1 & 3 & 0 & 2 \\ 3 & 1 & 2 & 0 \\ 0 & 2 & 1 & 3 \\ 2 & 0 & 3 & 1 \end{array}$	s ₂₅₈	Quasigroup Commutative	$\frac{x}{\frac{1+p_{21}}{p_{21}+1}}$		$\frac{\overline{2+p_0}}{p_0+2}$					$\frac{3 + p_{21}}{p_{21} + 3}$			$\frac{\overline{0+p_0}}{p_0+0}$			$\frac{\overline{3+p_0}}{p_0+3}$			$\frac{0 + p_{21}}{p_{21} + 0}$					$\frac{x}{\frac{1+p_0}{p_0+1}}$		$\frac{2 + p_{21}}{p_{21} + 2}$
$\begin{array}{c} 2 & 0 & 3 & 1 \\ 0 & 2 & 1 & 3 \\ 3 & 1 & 2 & 0 \\ 1 & 3 & 0 & 2 \end{array}$	s ₃₁₇	Quasigroup Commutative	$\frac{x}{\frac{2+p_{21}}{p_{21}+2}}$		$\frac{\overline{1+p_0}}{p_0+1}$					$\frac{0 + p_{21}}{p_{21} + 0}$			$\frac{\overline{3+p_0}}{p_0+3}$			$\frac{\overline{0+p_0}}{p_0+0}$			$\frac{3 + p_{21}}{p_{21} + 3}$					$\frac{x}{2+p_0}$ $\frac{p_0+2}{p_0+2}$		$\frac{1 + p_{21}}{p_{21} + 1}$
$\begin{array}{c} 2 & 0 & 3 & 1 \\ 3 & 1 & 2 & 0 \\ 0 & 2 & 1 & 3 \\ 1 & 3 & 0 & 2 \end{array}$	s ₃₃₀	Quasigroup Left Identity	$\frac{x}{\frac{p_0+1}{1+p_{21}}}$		$\frac{2+p_0}{p_{21}+2}$					$\frac{p_0+3}{0+p_{21}}$			$\frac{3+p_0}{p_{21}+0}$			$\frac{0+p_0}{p_{21}+3}$			$\frac{p_0+0}{3+p_{21}}$					$\frac{\mathbf{x}}{\frac{1+p_0}{p_{21}+1}}$		$\frac{p_0+2}{2+p_{21}}$
$\begin{array}{c} 2 & 0 & 3 & 1 \\ 3 & 2 & 1 & 0 \\ 0 & 1 & 2 & 3 \\ 1 & 3 & 0 & 2 \end{array}$	s ₃₃₄	Quasigroup Right Identity	$\frac{\mathbf{x}}{\frac{2+p_0}{p_{21}+2}}$		$\frac{p_0+1}{1+p_{21}}$					$\frac{p_0+3}{0+p_{21}}$			$\frac{3+p_0}{p_{21}+0}$			$\frac{0 + p_0}{p_{21} + 3}$			$\frac{p_0 + 0}{3 + p_{21}}$					$\frac{x}{\frac{p_0+2}{2+p_{21}}}$		$\frac{1 + p_0}{p_{21} + 1}$
$\begin{array}{c} 2 & 3 & 0 & 1 \\ 0 & 1 & 2 & 3 \\ 3 & 2 & 1 & 0 \\ 1 & 0 & 3 & 2 \end{array}$	s ₃₈₇	$\frac{\text{Quasigroup}}{\text{Right Identity}}$	$\frac{\mathbf{x}}{\frac{1+p_0}{p_{21}+1}}$		$\frac{p_0+2}{2+p_{21}}$					$\frac{3 + p_0}{p_{21} + 0}$			$\frac{p_0+3}{0+p_{21}}$			$\frac{p_0 + 0}{3 + p_{21}}$			$\frac{0 + p_0}{p_{21} + 3}$					$\frac{\mathbf{x}}{\frac{p_0+1}{1+p_{21}}}$		$\frac{2 + p_0}{p_{21} + 2}$
$\begin{array}{c} 2 & 3 & 0 & 1 \\ 0 & 2 & 1 & 3 \\ 3 & 1 & 2 & 0 \\ 1 & 0 & 3 & 2 \end{array}$	s ₃₉₁	Quasigroup Left Identity	$ \frac{x}{\frac{p_0+2}{2+p_{21}}} $		$\frac{1 + p_0}{p_{21} + 1}$					$\frac{3 + p_0}{p_{21} + 0}$			$\frac{p_0 + 3}{0 + p_{21}}$			$\frac{p_0 + 0}{3 + p_{21}}$			$\frac{0 + p_0}{p_{21} + 3}$					$\frac{x}{\frac{2+p_0}{p_{21}+2}}$		$\frac{p_{21} + 2}{\frac{p_0 + 1}{1 + p_{21}}}$
2 3 0 1 3 1 2 0 0 2 1 3 1 0 3 2	s ₄₀₂	Quasigroup Commutative	$ \frac{x}{\frac{1+p_{21}}{p_{21}+1}} $		$\frac{2+p_0}{p_0+2}$					$\frac{3 + p_0}{p_0 + 3}$			$\frac{0 + p_{21}}{p_{21} + 0}$			$\frac{3 + p_{21}}{p_{21} + 3}$			$\frac{0 + p_0}{p_0 + 0}$					$\frac{x}{\frac{1+p_0}{p_0+1}}$		$\frac{2 + p_{21}}{\frac{2 + p_{21}}{p_{21} + 2}}$
2 3 0 1 3 2 1 0 0 1 2 3 1 0 3 2	s ₄₀₄	Abelian	x	$\frac{3 + p_6}{p_6 + 3}$	$\frac{1 + p_{21}}{p_{21} + 1}$	$\frac{3 + p_{11}}{p_{11} + 3}$	$\frac{1 + p_{19}}{p_{19} + 1}$	$\frac{\mathbf{x}}{\frac{2+p_5}{p_5+2}}$	$\frac{x}{\frac{2+p_6}{p_6+2}}$	$\frac{3+p_0}{p_0+3}$	$\frac{0 + p_{19}}{p_{19} + 0}$	$\frac{3+p_5}{p_5+3}$	$\frac{0 + p_{21}}{p_{21} + 0}$	$\frac{x}{\frac{2+p_{11}}{p_{11}+2}}$	$\frac{1 + p_{11}}{p_{11} + 1}$	$\frac{3 + p_{21}}{p_{21} + 3}$	$\frac{\overline{0+p_5}}{p_5+0}$	$\frac{3 + p_{19}}{p_{19} + 3}$	$\frac{0+p_0}{p_0+0}$	$\frac{\overline{1+p_6}}{p_6+1}$	$\frac{\overline{1+p_5}}{p_5+1}$	$\frac{x}{\frac{2+p_{19}}{p_{19}+2}}$	$\frac{0 + p_{11}}{p_{11} + 0}$	$\frac{x}{\frac{2+p_{21}}{p_{21}+2}}$	$\frac{\overline{0+p_6}}{\overline{p_6+0}}$	$\frac{1 + p_0}{p_0 + 1}$
1 0 3 2 0 1 2 3 3 2 1 0 2 3 0 1	s ₁₇₁	Abelian	$\frac{x}{1+p_0}$	$\frac{\mathbf{x}}{1+p_1}$	$\frac{2 + p_{21}}{p_{21} + 2}$	$\frac{2 + p_{20}}{p_{20} + 2}$	$\frac{3 + p_{15}}{p_{15} + 3}$	$\frac{3 + p_{14}}{p_{14} + 3}$	$\frac{\overline{0+p_1}}{\overline{p_1+0}}$	$\frac{0+p_0}{p_0+0}$	$\frac{2 + p_{15}}{p_{15} + 2}$	$\frac{2 + p_{14}}{p_{14} + 2}$	$\frac{3 + p_{21}}{p_{21} + 3}$	$\frac{3 + p_{20}}{p_{20} + 3}$	$\frac{0 + p_{20}}{p_{20} + 0}$	$\frac{0 + p_{21}}{p_{21} + 0}$	$\frac{x}{\frac{1+p_{14}}{p_{14}+1}}$	$\frac{x}{\frac{1+p_{15}}{p_{15}+1}}$	$\frac{3+p_0}{p_0+3}$	$\frac{3+p_1}{p_1+3}$	$\frac{0 + p_{14}}{p_{14} + 0}$	$\frac{0 + p_{15}}{p_{15} + 0}$	$\frac{x}{\frac{1+p_{20}}{p_{20}+1}}$	$\frac{x}{\frac{1+p_{21}}{p_{21}+1}}$	$\frac{2 + p_1}{p_1 + 2}$	$\frac{2 + p_0}{p_0 + 2}$
$\begin{array}{c} 0 & 1 & 3 & 2 \\ 2 & 3 & 1 & 0 \\ 3 & 2 & 0 & 1 \\ 1 & 0 & 2 & 3 \end{array}$	s ₃₉	Quasigroup	x	$0 + p_0 \ 1 + p_{23}$		$\frac{p_{20} + 2}{p_{0} + 0}$ $\frac{p_{0} + 0}{p_{23} + 1}$	1010		$\frac{3 + p_0}{2 + p_{23}}$, , ,	$\frac{p_{20} + 3}{p_{0} + 1}$ $\frac{p_{0} + 1}{p_{23} + 0}$	$\frac{p_{20} + 3}{p_{0} + 3}$ $\frac{p_{0} + 3}{p_{23} + 2}$					$\frac{1 + p_0}{0 + p_{23}}$			$\frac{p_{20} + 1}{p_{0} + 2}$ $\frac{p_{0} + 2}{p_{23} + 3}$		$\frac{2 + p_0}{3 + p_{23}}$	x
$\begin{array}{c} 0 & 1 & 3 & 2 \\ 3 & 2 & 0 & 1 \\ 2 & 3 & 1 & 0 \\ 1 & 0 & 2 & 3 \end{array}$	845	Quasigroup	x ($0 + p_0 \over 2 + p_{23}$		120		$\frac{p_0+0}{p_{23}+1}$	$\frac{3 + p_0}{1 + p_{23}}$			$\frac{p_0+1}{p_{23}+0}$		120	720		$\frac{p_0+3}{p_{23}+2}$			$\frac{2 + p_0}{0 + p_{23}}$	$\frac{p_0+2}{p_{23}+3}$		120		$\frac{1 + p_0}{3 + p_{23}}$	x
$\begin{array}{c} 0 & 2 & 3 & 1 \\ 1 & 3 & 2 & 0 \\ 3 & 1 & 0 & 2 \\ 2 & 0 & 1 & 3 \end{array}$	s ₇₉	Quasigroup	x	$\frac{p_0 + 0}{p_{23} + 1}$		$\frac{0 + p_0}{1 + p_{23}}$			$\frac{p_0 + 3}{p_{23} + 2}$					$\frac{1 + p_0}{0 + p_{23}}$	$\frac{3+p_0}{2+p_{23}}$					$\frac{p_0+1}{p_{23}+0}$			$\frac{2+p_0}{3+p_{23}}$		$\frac{p_0 + 2}{p_{23} + 3}$	x
$\begin{array}{c} 0 & 3 & 1 & 2 \\ 3 & 0 & 2 & 1 \\ 2 & 1 & 3 & 0 \\ 1 & 2 & 0 & 3 \end{array}$	s ₁₁₅	Quasigroup	x				$\frac{0+p_0}{2+p_{23}}$	$\frac{p_0+0}{p_{23}+2}$			$\frac{3+p_0}{1+p_{23}}$	$\frac{p_0+2}{p_{23}+0}$					$\frac{p_0+3}{p_{23}+1}$	$\frac{2+p_0}{0+p_{23}}$			$\frac{p_0+1}{p_{23}+3}$	$\frac{1+p_0}{3+p_{23}}$				x
$\begin{array}{c} 0 & 3 & 2 & 1 \\ 1 & 2 & 3 & 0 \\ 3 & 0 & 1 & 2 \\ 2 & 1 & 0 & 3 \end{array}$	s ₁₂₆	Quasigroup		$\frac{p_0 + 0}{p_{23} + 2}$				$\frac{0 + p_0}{1 + p_{23}}$	$\frac{p_0+3}{p_{23}+1}$			$\frac{1+p_0}{0+p_{23}}$					$\frac{3+p_0}{2+p_{23}}$			$\frac{p_0+2}{p_{23}+0}$	$\frac{2+p_0}{3+p_{23}}$				$\frac{p_0+1}{p_{23}+3}$	x
$\begin{array}{c} 0 & 3 & 2 & 1 \\ 3 & 0 & 1 & 2 \\ 1 & 2 & 3 & 0 \\ 2 & 1 & 0 & 3 \end{array}$	s ₁₃₇	Quasigroup	x				$\frac{p_0 + 0}{p_{23} + 2}$	$\frac{0+p_0}{2+p_{23}}$			$\frac{p_0+3}{p_{23}+1}$	$\frac{2+p_0}{0+p_{23}}$					$\frac{3 + p_0}{1 + p_{23}}$	$\frac{p_0+2}{p_{23}+0}$			$\frac{1+p_0}{3+p_{23}}$	$\frac{p_0+1}{p_{23}+3}$				x
$\begin{smallmatrix} 1 & 0 & 2 & 3 \\ 2 & 3 & 1 & 0 \\ 3 & 2 & 0 & 1 \\ 0 & 1 & 3 & 2 \end{smallmatrix}$	s ₁₅₉	Quasigroup		$\frac{3+p_0}{1+p_{23}}$				$\frac{p_0+1}{p_{23}+0}$	$\frac{0+p_0}{2+p_{23}}$			$\frac{p_0 + 0}{p_{23} + 1}$					$\frac{p_0+2}{p_{23}+3}$			$\frac{1+p_0}{3+p_{23}}$	$\frac{p_0+3}{p_{23}+2}$				$\frac{2+p_0}{0+p_{23}}$	x
$\begin{smallmatrix} 1 & 0 & 2 & 3 \\ 3 & 2 & 0 & 1 \\ 2 & 3 & 1 & 0 \\ 0 & 1 & 3 & 2 \end{smallmatrix}$	s ₁₆₅	Quasigroup	_	$\frac{3+p_0}{2+p_{23}}$		$\frac{p_0+1}{p_{23}+0}$			$\frac{0 + p_0}{1 + p_{23}}$					$\frac{p_0 + 0}{p_{23} + 1}$	$\frac{p_0+2}{p_{23}+3}$					$\frac{2+p_0}{3+p_{23}}$			$\frac{p_0+3}{p_{23}+2}$		$\frac{1+p_0}{0+p_{23}}$	x
$\begin{smallmatrix} 1 & 2 & 0 & 3 \\ 2 & 1 & 3 & 0 \\ 3 & 0 & 2 & 1 \\ 0 & 3 & 1 & 2 \end{smallmatrix}$	s ₂₀₅	Quasigroup	×				$\frac{3+p_0}{1+p_{23}}$	$\frac{p_0+2}{p_{23}+0}$			$\frac{0 + p_0}{2 + p_{23}}$	$\frac{p_0+0}{p_{23}+2}$					$\frac{p_0+1}{p_{23}+3}$	$\frac{1+p_0}{3+p_{23}}$			$\frac{p_0+3}{p_{23}+1}$	$\frac{2+p_0}{0+p_{23}}$				×
$\begin{smallmatrix} 1 & 2 & 3 & 0 \\ 0 & 3 & 2 & 1 \\ 2 & 1 & 0 & 3 \\ 3 & 0 & 1 & 2 \end{smallmatrix}$	s ₂₂₁	Quasigroup	$\mathbf{x} = \frac{1}{p}$	$\frac{p_0+3}{p_{23}+1}$				$\frac{1 + p_0}{0 + p_{23}}$	$\frac{p_0 + 0}{p_{23} + 2}$			$\frac{0+p_0}{1+p_{23}}$					$\frac{2 + p_0}{3 + p_{23}}$			$\frac{p_0+1}{p_{23}+3}$	$\frac{3 + p_0}{2 + p_{23}}$				$\frac{p_0+2}{p_{23}+0}$	x
$\begin{array}{c} 1 & 2 & 3 & 0 \\ 2 & 1 & 0 & 3 \\ 0 & 3 & 2 & 1 \\ 3 & 0 & 1 & 2 \end{array}$	s ₂₂₇	Quasigroup	x				$\frac{p_0 + 3}{p_{23} + 1}$	$\frac{2 + p_0}{0 + p_{23}}$			$\frac{\overline{p_0+0}}{p_{23}+2}$	$\frac{0+p_0}{2+p_{23}}$					$\frac{1+p_0}{3+p_{23}}$	$\frac{p_0+1}{p_{23}+3}$			$\frac{3+p_0}{1+p_{23}}$	$\frac{p_0+2}{p_{23}+0}$				x
$\begin{array}{c} 1 & 3 & 2 & 0 \\ 0 & 2 & 3 & 1 \\ 2 & 0 & 1 & 3 \\ 3 & 1 & 0 & 2 \end{array}$	s ₂₆₈	Quasigroup	x _1	$\frac{p_0+3}{p_{23}+2}$		$\frac{1+p_0}{0+p_{23}}$			$\frac{p_0 + 0}{p_{23} + 1}$					$\frac{0+p_0}{1+p_{23}}$	$\frac{2+p_0}{3+p_{23}}$					$\frac{p_0 + 2}{p_{23} + 3}$			$\frac{3+p_0}{2+p_{23}}$		$\frac{p_0+1}{p_{23}+0}$	x
2 0 1 3 3 1 0 2 1 3 2 0 0 2 3 1	s ₃₀₇	Quasigroup		$\frac{p_0+1}{p_{23}+0}$		$\frac{3+p_0}{2+p_{23}}$			$\frac{p_0 + 2}{p_{23} + 3}$					$\frac{2+p_0}{3+p_{23}}$	$\frac{0+p_0}{1+p_{23}}$					$\frac{p_0 + 0}{p_{23} + 1}$			$\frac{1 + p_0}{0 + p_{23}}$		$\frac{p_0+3}{p_{23}+2}$	×
2 1 0 3 1 2 3 0 3 0 1 2 0 3 2 1	s ₃₄₈	Quasigroup	x				$\frac{p_0 + 2}{p_{23} + 0}$	$\frac{3+p_0}{1+p_{23}}$			$\frac{p_0+1}{p_{23}+3}$	$\frac{1+p_0}{3+p_{23}}$					$\frac{0+p_0}{2+p_{23}}$	$\frac{p_0 + 0}{p_{23} + 2}$			$\frac{2+p_0}{0+p_{23}}$	$\frac{p_0+3}{p_{23}+1}$				x
2 1 0 3 3 0 1 2 1 2 3 0 0 3 2 1	s ₃₅₄	Quasigroup		$\frac{p_0 + 2}{p_{23} + 0}$				$\frac{3+p_0}{2+p_{23}}$	$\frac{p_0+1}{p_{23}+3}$			$\frac{2+p_0}{3+p_{23}}$					$\frac{0+p_0}{1+p_{23}}$			$\frac{\overline{p_0+0}}{\overline{p_{23}+2}}$	$\frac{1+p_0}{0+p_{23}}$				$\frac{\overline{p_0+3}}{\overline{p_{23}+1}}$	x
2 1 3 0 1 2 0 3 0 3 1 2 3 0 2 1	s ₃₇₀	Quasigroup	x				$\frac{2+p_0}{0+p_{23}}$	$\frac{p_0 + 3}{p_{23} + 1}$			$\frac{1+p_0}{3+p_{23}}$	$\frac{p_0+1}{p_{23}+3}$					$\frac{p_0+0}{p_{23}+2}$	$\frac{0+p_0}{2+p_{23}}$			$\frac{p_0+2}{p_{23}+0}$	$\frac{3+p_0}{1+p_{23}}$				x
2 3 1 0 0 1 3 2 1 0 2 3 3 2 0 1	s ₄₁₀	Quasigroup		$\frac{1+p_0}{0+p_{23}}$		$\frac{p_0+3}{p_{23}+2}$			$\frac{2+p_0}{3+p_{23}}$					$\frac{p_0 + 2}{p_{23} + 3}$	$\frac{p_0 + 0}{p_{23} + 1}$					$\frac{0 + p_0}{1 + p_{23}}$			$\frac{p_0+1}{p_{23}+0}$		$\frac{3 + p_0}{2 + p_{23}}$	x
2 3 1 0 1 0 2 3 0 1 3 2 3 2 0 1	s416	Quasigroup		$\frac{2+p_0}{0+p_{23}}$				$\frac{p_0+3}{p_{23}+2}$	$\frac{1+p_0}{3+p_{23}}$			$\frac{p_0 + 2}{p_{23} + 3}$					$\frac{p_0 + 0}{p_{23} + 1}$			$\frac{0 + p_0}{2 + p_{23}}$	$\frac{p_0+1}{p_{23}+0}$				$\frac{3 + p_0}{1 + p_{23}}$	х
3 0 1 2 0 3 2 1 2 1 0 3 1 2 3 0	s ₄₃₈	Quasigroup	x				$\frac{p_0+1}{p_{23}+3}$	$\frac{1 + p_0}{3 + p_{23}}$			$\frac{p_0+2}{p_{23}+0}$	$\frac{3+p_0}{1+p_{23}}$					$\frac{2 + p_0}{0 + p_{23}}$	$\frac{\overline{p_0+3}}{\overline{p_{23}+1}}$			$\frac{0+p_0}{2+p_{23}}$	$\frac{\overline{p_0+0}}{\overline{p_{23}+2}}$				х
3 0 1 2 2 1 0 3 0 3 2 1 1 2 3 0	s ₄₄₉	Quasigroup		$\frac{p_0+1}{p_{23}+3}$				$\frac{2+p_0}{3+p_{23}}$	$\frac{p_0+2}{p_{23}+0}$			$\frac{3 + p_0}{2 + p_{23}}$					$\frac{1+p_0}{0+p_{23}}$			$\frac{p_0+3}{p_{23}+1}$	$\frac{0 + p_0}{1 + p_{23}}$				$\frac{p_0 + 0}{p_{23} + 2}$	х
3 0 2 1 0 3 1 2 1 2 0 3 2 1 3 0	s ₄₆₀	Quasigroup	x				$\frac{1+p_0}{3+p_{23}}$	$\frac{p_0+1}{p_{23}+3}$			$\frac{2+p_0}{0+p_{23}}$	$\frac{p_0 + 3}{p_{23} + 1}$					$\frac{p_0+2}{p_{23}+0}$	$\frac{3 + p_0}{1 + p_{23}}$			$\frac{p_0+0}{p_{23}+2}$	$\frac{0 + p_0}{2 + p_{23}}$				х
3 1 0 2 2 0 1 3 0 2 3 1 1 3 2 0	s ₄₉₆	Quasigroup		$\frac{p_0 + 2}{p_{23} + 3}$		$\frac{2+p_0}{3+p_{23}}$			$\frac{p_0 + 1}{p_{23} + 0}$					$\frac{3 + p_0}{2 + p_{23}}$	$\frac{1+p_0}{0+p_{23}}$					$\frac{\overline{p_0+3}}{\overline{p_{23}+2}}$			$\frac{0+p_0}{1+p_{23}}$		$\frac{\overline{p_0 + 0}}{\overline{p_{23} + 1}}$	x
3 2 0 1 0 1 3 2 1 0 2 3 2 3 1 0	s ₅₃₀	Quasigroup	_	$\frac{1+p_0}{3+p_{23}}$				$\frac{p_0 + 2}{p_{23} + 3}$	$\frac{2+p_0}{0+p_{23}}$			$\frac{p_0+3}{p_{23}+2}$					$\frac{p_0+1}{p_{23}+0}$			$\frac{3+p_0}{1+p_{23}}$	$\frac{\overline{p_0 + 0}}{p_{23} + 1}$				$\frac{0+p_0}{2+p_{23}}$	х
3 2 0 1 1 0 2 3 0 1 3 2 2 3 1 0	s536	Quasigroup		$\frac{2+p_0}{3+p_{23}}$		$\frac{p_0 + 2}{p_{23} + 3}$			$\frac{1+p_0}{0+p_{23}}$					$\frac{p_0+3}{p_{23}+2}$	$\frac{p_0+1}{p_{23}+0}$					$\frac{3+p_0}{2+p_{23}}$			$\frac{\overline{p_0 + 0}}{p_{23} + 1}$		$\frac{0+p_0}{1+p_{23}}$	х
$\begin{array}{c} 1 & 2 & 0 & 3 \\ 3 & 0 & 2 & 1 \\ 2 & 1 & 3 & 0 \\ 0 & 3 & 1 & 2 \end{array}$	s ₂₁₂	Quasigroup	×			$\frac{p_0 + 2}{p_7 + 1}$ $\frac{p_{16} + 3}{p_{16} + 3}$	$\frac{3 + p_0}{1 + p_7} \\ 0 + p_{16}$							$\frac{p_0 + 0}{p_7 + 3}$ $\frac{p_{16} + 1}{p_{16} + 1}$	$\frac{p_0 + 1}{p_7 + 2}$ $\frac{p_{16} + 0}{p_{16} + 0}$							$\frac{1 + p_0}{3 + p_7}$ $2 + p_{16}$	$\frac{p_0 + 3}{p_7 + 0}$ $\frac{p_{16} + 2}{p_{16} + 2}$			x
						$\frac{p_{16} + 3}{p_{23} + 0}$ $\frac{2 + p_0}{2 + p_0}$	$\frac{0 + p_{16}}{2 + p_{23}}$ $\frac{0 + p_{16}}{2 + p_{23}}$				$\frac{3 + p_{16}}{1 + p_{23}}$ $\frac{p_0 + 0}{1 + p_{23}}$			$\frac{p_{16}+1}{p_{23}+2}$	$\frac{\frac{p_{16}+0}{p_{23}+3}}{1+p_0}$			$\frac{1 + p_{16}}{3 + p_{23}}$ $\frac{1 + p_{16}}{3 + p_{23}}$				$\frac{2 + p_{16}}{0 + p_{23}}$ $\frac{p_0 + 1}{p_0 + 1}$	$\frac{p_{16} + 2}{p_{23} + 1}$ $\frac{3 + p_0}{}$			
1 3 2 0 2 0 1 3 0 2 3 1 3 1 0 2	s ₂₇₃	Quasigroup	x			$ \begin{array}{r} 2 + p_0 \\ \hline 1 + p_7 \\ \hline 3 + p_{16} \\ \hline 0 + p_{23} \end{array} $	$\frac{\frac{p_0+3}{p_7+1}}{\frac{p_{16}+0}{p_{23}+2}}$							$ \begin{array}{r} \hline $	$ \begin{array}{r} 1 + p_0 \\ \hline 2 + p_7 \\ \hline 0 + p_{16} \\ \hline 3 + p_{23} \end{array} $			$\frac{p_0 + 2}{p_7 + 0}$ $\frac{p_{16} + 1}{p_{23} + 3}$				$\frac{p_0 + 1}{p_7 + 3}$ $\frac{p_{16} + 2}{p_{23} + 0}$	$ \begin{array}{r} 3 + p_0 \\ \hline 0 + p_7 \\ \hline 2 + p_{16} \\ \hline 1 + p_{23} \end{array} $			х
2 0 1 3 1 3 2 0 3 1 0 2	s ₃₀₂	Quasigroup	x			$\frac{3+p_0}{0+p_7}$	$\frac{p_0+1}{p_7+3}$				$\frac{p_{23}+1}{p_0+2}$ $\frac{p_0+2}{p_7+0}$			$\frac{1+p_0}{2+p_7}$	$\frac{0+p_0}{3+p_7}$			$\frac{p_{23} + 3}{p_0 + 0}$ $\frac{p_0 + 0}{p_7 + 2}$				$\frac{p_{23} + 0}{p_0 + 3}$ $\frac{p_0 + 3}{p_7 + 1}$	$\frac{2+p_0}{1+p_7}$			x
3 1 0 2 0 2 3 1	- 502					$\frac{2 + p_{16}}{2 + p_{16}}$ $1 + p_{23}$	$\frac{p_7 + 3}{p_{16} + 2}$ $\frac{p_{16} + 2}{p_{23} + 0}$				$\frac{p_7 + 6}{p_{16} + 1}$ $\frac{p_{16} + 1}{p_{23} + 3}$			$\frac{2 + p_7}{0 + p_{16}}$ $\frac{3 + p_{23}}{3 + p_{23}}$	$\frac{3 + p_7}{1 + p_{16}}$ $\frac{2 + p_{23}}{2 + p_{23}}$			$\frac{p_7 + 2}{p_{16} + 3}$ $\frac{p_{16} + 3}{p_{23} + 1}$				$\frac{p_7 + 1}{p_{16} + 0}$ $\frac{p_{16} + 0}{p_{23} + 2}$	$\frac{3 + p_{16}}{3 + p_{16}}$ $0 + p_{23}$			
2 1 3 0 0 3 1 2 1 2 0 3 3 0 2 1	s ₃₆₃	Quasigroup	×			$\frac{p_0 + 3}{p_7 + 0}$ $\frac{p_{16} + 2}{p_{16} + 2}$	$\frac{1 + p_0}{3 + p_7}$ $\frac{2 + p_{16}}{2 + p_{16}}$							$\frac{p_0 + 1}{p_7 + 2}$ $\frac{p_{16} + 0}{p_{16} + 0}$	$\frac{p_0 + 0}{p_7 + 3}$ $\frac{p_{16} + 1}{p_{16} + 1}$							$\frac{3 + p_0}{1 + p_7} \\ 0 + p_{16}$	$\frac{p_0 + 2}{p_7 + 1}$ $\frac{p_{16} + 3}{p_{16} + 3}$			x
3 0 2 1 1 2 0 3						$\frac{p_{23}+1}{p_0+1}$	$0 + p_{23}$ $2 + p_0$				$3 + p_{23}$ $1 + p_0$			$\frac{p_{23}+3}{p_0+3}$	$\frac{\overline{p_{23}+2}}{p_0+2}$			$\frac{1+p_{23}}{3+p_0}$				$2 + p_{23}$ $0 + p_0$	$\frac{\overline{p_{23}+0}}{\overline{p_0+0}}$			
1 2 0 3 0 3 1 2 2 1 3 0	s465	Quasigroup	х			$\frac{p_7 + 2}{p_{16} + 0}$ $\frac{p_{16} + 0}{p_{23} + 3}$	$ \begin{array}{r} \hline 0 + p_7 \\ \hline 1 + p_{16} \\ \hline 3 + p_{23} \end{array} $				$ \begin{array}{r} \hline 3 + p_7 \\ \hline 2 + p_{16} \\ \hline 0 + p_{23} \end{array} $			$\frac{p_7 + 0}{p_{16} + 2}$ $\frac{p_{16} + 2}{p_{23} + 1}$	$\frac{p_7 + 1}{p_{16} + 3} \\ \frac{p_{16} + 3}{p_{23} + 0}$			$ \begin{array}{r} \hline 1 + p_7 \\ \hline 0 + p_{16} \\ \hline 2 + p_{23} \end{array} $				$ \begin{array}{r} \hline 2 + p_7 \\ \hline 3 + p_{16} \\ \hline 1 + p_{23} \end{array} $	$\frac{p_7 + 3}{\frac{p_{16} + 1}{p_{23} + 2}}$			х
3 1 0 2 0 2 3 1 2 0 1 3 1 3 2 0	s ₄₈₄	Quasigroup	x			$\frac{1+p_0}{2+p_7}$	$\frac{p_0+2}{p_7+0}$				$\frac{p_0 + 1}{p_7 + 3}$			$\frac{3+p_0}{0+p_7}$	$\frac{2+p_0}{1+p_7}$			$\frac{p_0 + 3}{p_7 + 1}$				$\frac{p_0+0}{p_7+2}$	$\frac{0+p_0}{3+p_7}$			x
1320			<u>x</u>			$\frac{0 + p_{16}}{3 + p_{23}}$	$\frac{p_{16} + 1}{p_{23} + 3}$			<u>X</u>	$\frac{p_{16} + 2}{p_{23} + 0}$			$\frac{2 + p_{16}}{1 + p_{23}}$	$\frac{3 + p_{16}}{0 + p_{23}}$			$\frac{p_{16} + 0}{p_{23} + 2}$	<u>x</u>			$\frac{p_{16} + 3}{p_{23} + 1}$	$\frac{1 + p_{16}}{2 + p_{23}}$			<u>x</u>
0 2 3 1 3 1 0 2		Ores	$\frac{p_3 + 0}{0 + p_4}$ $\frac{3 + p_8}{p_{11} + p_{12}}$				$\frac{p_0 + 0}{0 + p_3}$ $\frac{p_7 + 2}{2 + p_{11}}$			$\frac{p_3 + 3}{2 + p_4}$ $\frac{1 + p_8}{1 + p_8}$	$\frac{p_0 + 3}{2 + p_3}$ $\frac{p_7 + 1}{p_7 + 1}$			$\frac{2+p_0}{p_4+3}$ $\frac{1+p_7}{p_5+1}$	$\frac{3+p_0}{p_4+1}$ $\frac{0+p_7}{p_5+3}$			$\frac{p_0 + 1}{3 + p_3}$ $\frac{p_7 + 3}{0 + p_{11}}$	$\frac{p_3 + 1}{3 + p_4}$ $0 + p_8$			$\frac{p_0 + 2}{1 + p_3}$ $\frac{p_7 + 0}{2 + p_{11}}$	$\frac{1+p_0}{p_4+2}$ $\frac{2+p_7}{p_5+0}$			$\frac{p_3 + 2}{1 + p_4}$ $\frac{2 + p_8}{2 + p_8}$
1320 2013	s ₉₁	Quasigroup	$\frac{p_{11} + 2}{p_{12} + 3}$ $\frac{1 + p_{15}}{2 + p_{10}}$			$\frac{p_8 + 2}{p_{15} + 3}$ $\frac{1 + p_{16}}{p_{10} + 1}$	$\frac{3 + p_{11}}{1 + p_{12}}$ $\frac{p_{16} + 3}{2 + p_{20}}$			$\frac{p_{11} + 1}{p_{12} + 0}$ $\frac{3 + p_{15}}{0 + p_{10}}$	$\frac{1+p_{11}}{3+p_{12}}$ $\frac{p_{16}+0}{0+p_{20}}$			$\frac{p_8 + 1}{p_{15} + 0}$ $\frac{3 + p_{16}}{p_{10} + 2}$	$ \begin{array}{r} p_8 + 3 \\ \hline p_{15} + 2 \\ \hline 2 + p_{16} \\ \hline p_{10} + 0 \end{array} $			$\frac{0+p_{11}}{2+p_{12}}$ $\frac{p_{16}+2}{1+p_{20}}$	$\frac{p_{11} + 3}{p_{12} + 2}$ $\frac{2 + p_{15}}{1 + p_{10}}$			$\frac{2 + p_{11}}{0 + p_{12}}$ $\frac{p_{16} + 1}{3 + p_{20}}$	$\frac{p_8 + 0}{p_{15} + 1}$ $\frac{0 + p_{16}}{p_{19} + 3}$			$\frac{p_{11} + 0}{p_{12} + 1}$ $\frac{0 + p_{15}}{3 + p_{10}}$
			$\frac{2 + p_{19}}{p_{20} + 1}$			$\frac{p_{19}+1}{2+p_{23}}$	$\frac{2 + p_{20}}{p_{23} + 1}$			$\frac{0 + p_{19}}{p_{20} + 2}$	$\frac{0 + p_{20}}{p_{23} + 2}$			$\frac{p_{19} + 2}{0 + p_{23}}$	$\frac{p_{19} + 0}{1 + p_{23}}$			$\frac{1 + p_{20}}{p_{23} + 0}$	$\frac{1 + p_{19}}{p_{20} + 0}$			$\frac{3 + p_{20}}{p_{23} + 3}$	$\frac{p_{19}+3}{3+p_{23}}$			$\frac{3 + p_{19}}{p_{20} + 3}$

			<i>p</i> ₀	p_1	p_2	р3	p_4	p_5	<i>p</i> ₆	<i>p</i> 7	<i>p</i> 8	<i>p</i> 9	P10	P11	p ₁₂	p ₁₃	P14	p ₁₅	P16	p ₁₇	P18	P19	p ₂₀	p_{21}	p_{22}	p ₂₃
			x			x	x			x	x			x	x			x	x			x	x			x
			$0 + p_3$			$p_0 + 0$	$0 + p_0$			$3 + p_3$	$3 + p_0$			$p_0 + 2$	$p_0 + 3$			$1 + p_0$	$1 + p_3$			$2 + p_0$	$p_0 + 1$			$2 + p_3$
			$p_4 + 0$			$0 + p_4$	$p_3 + 0$			$p_4 + 2$	$p_3 + 2$			$3 + p_4$	$1 + p_4$			$p_3 + 3$	$p_4 + 3$			$p_3 + 1$	$2 + p_4$			$p_4 + 1$
0 3 1 2			$p_8 + 3$			$p_7 + 3$	$2 + p_7$			$p_8 + 1$	$1 + p_7$			$p_7 + 1$	$p_7 + 0$			$3 + p_7$	$p_8 + 0$			$0 + p_7$	$p_7 + 2$			$p_8 + 2$
2 1 3 0 3 0 2 1 1 2 0 3	s ₁₁₀	Quasigroup	$2 + p_{11}$			$2 + p_8$	$p_{11} + 3$			$1 + p_{11}$	$p_{11} + 1$			$1 + p_8$	$3 + p_8$			$p_{11} + 0$	$3 + p_{11}$			$p_{11} + 2$	$0 + p_8$			$0 + p_{11}$
1 2 0 3			$3 + p_{12}$			$3 + p_{15}$	$p_{12} + 1$			$0 + p_{12}$	$p_{12} + 3$			$0 + p_{15}$	$2 + p_{15}$			$p_{12} + 2$	$2 + p_{12}$			$p_{12} + 0$	$1 + p_{15}$			$1 + p_{12}$
			$p_{15} + 1$			$p_{16} + 1$	$3 + p_{16}$			$p_{15} + 3$	$0 + p_{16}$			$p_{16} + 3$	$p_{16} + 2$			$2 + p_{16}$	$p_{15} + 2$			$1 + p_{16}$	$p_{16} + 0$			$p_{15} + 0$
			$p_{19} + 2$			$1 + p_{19}$	$p_{20} + 2$			$p_{19} + 0$	$p_{20} + 0$			$2 + p_{19}$	$0 + p_{19}$			$p_{20} + 1$	$p_{19} + 1$			$p_{20} + 3$	$3 + p_{19}$			$p_{19} + 3$
			$1 + p_{20}$			$p_{23} + 2$	$1 + p_{23}$			$2 + p_{20}$				$p_{23} + 0$	$p_{23} + 1$			$0 + p_{23}$	$0 + p_{20}$			$3 + p_{23}$				$3 + p_{20}$