\dot{x}_1	=	$-k_1x_1x_2 + k_{-1}x_3$	\dot{x}_{33}	=	$-\frac{1}{v}k_{14}x_{32}x_{33} + k_{-14}x_{34} + \dots$
\dot{x}_2	=	$-k_1x_1x_2 + k_{-1}x_3$			_
\dot{x}_3		$k_1x_1x_2 - k_{-1}x_3 - \kappa_1x_3$			$-\frac{1}{v}k_{16}x_{33}x_{35} + k_{-16}x_{36} + \dots$
\dot{x}_{4}	=	$\kappa_1 x_3 - k_2 x_4 x_5 + k_{-2} x_6 + \dots$			$-\frac{1}{v}k_{18}x_{33}x_{37} + k_{-18}x_{38}$
		$-k_3x_4x_7 + k_{-3}x_8 + \kappa_3x_8$			
\dot{x}_5	=	$-k_2x_4x_5+k_{-2}x_6$	\dot{x}_{34}	=	$\frac{1}{v}k_{14}x_{32}x_{33} - k_{-14}x_{34}$
\dot{x}_6	=	$k_2 x_4 x_5 - k_{-2} x_6$	\dot{x}_{35}	=	$\frac{1}{v}k_{15}x_{32}^2 - k_{-15}x_{35} + \dots$
\dot{x}_{7}	=	$-k_3x_4x_7 + k_{-3}x_8 + \dots$	00		U
		$-k_7x_7x_{17}+k_{-7}x_{18}$			$-\frac{1}{v}k_{16}x_{33}x_{35} + k_{-16}x_{36} + \dots$
\dot{x}_8	=	$k_3x_4x_7 - k_{-3}x_8 - \kappa_3x_8$			$-\frac{2}{2}k_{17}x_{35}^2+2k_{-17}x_{37}$
\dot{x} 9	=	$ \kappa_3 x_8 - k_4 x_9 x_{10} + k_{-4} x_{11} + \dots $			1
		$-k_5x_9x_{12}+k_{-5}x_{13}+\kappa_5x_{13}+\dots$	\dot{x}_{36}	=	$\frac{1}{v}k_{16}x_{33}x_{35} - k_{-16}x_{36}$
		$+\kappa_7 x_{18} + \dots$	÷		1, 2
		$-k_{10}x_{9}x_{24}+k_{-10}x_{25}+\kappa_{10}x_{25}$	x_{37}	=	$\frac{1}{v}k_{17}x_{35}^2 - k_{-17}x_{37} + \dots$
\dot{x}_{10}	=	$-k_4x_9x_{10}+k_{-4}x_{11}$			$-\frac{1}{v}k_{18}x_{33}x_{37} + k_{-18}x_{38} + \dots$
\dot{x}_{11}	=	$k_4 x_9 x_{10} - k_{-4} x_{11}$			1
\dot{x}_{12}	=	$-k_5x_9x_{12} + k_{-5}x_{13} + \dots$			$-\frac{1}{v}k_{19}x_{39}x_{37}+k_{-19}x_{40}$
		$-k_{25}x_{12}x_{53} + k_{-25}x_{54}$	\dot{x}_{38}	=	$\frac{1}{v}k_{18}x_{33}x_{37} - k_{-18}x_{38}$
\dot{x}_{13}	=	$k_5x_9x_{12} - k_{-5}x_{13} - \kappa_5x_{13}$			
\dot{x}_{14}	=	$\kappa_5 x_{13} + \kappa_{25} x_{54} + \dots$	\dot{x}_{39}	=	$-\frac{1}{v}k_{19}x_{39}x_{37}+k_{-19}x_{40}$
		$-k_6x_{14}x_{15} + k_{-6}x_{16} + \kappa_6x_{16} + \dots$.	_	$\frac{1}{v}k_{19}x_{39}x_{37} - k_{-19}x_{40} - \kappa_{19}x_{40}$
		$-k_8x_{14}x_{19} + k_{-8}x_{20} + \dots$			C
		$-k_9x_{14}x_{21} + k_{-9}x_{22} + \kappa_9x_{22}$	\dot{x}_{41}	=	
\dot{x}_{15}	=	$-k_6x_{14}x_{15} + k_{-6}x_{16}$			$-\frac{1}{v}k_{20}x_{41}x_{42} + k_{-20}x_{43} + \kappa_{20}x_{43} + \dots$
\dot{x}_{16}	=	$k_6x_{14}x_{15} - k_{-6}x_{16} - \kappa_6x_{16}$			$-\frac{1}{2}k_{21}x_{41}x_{45} + k_{-21}x_{46} + \kappa_{21}x_{46}$
\dot{x}_{17}	=	$\kappa_6 x_{16} + \dots$			1
		$-k_7x_7x_{17}+k_{-7}x_{18}+\kappa_7x_{18}$	\dot{x}_{42}	=	$-\frac{1}{v}k_{20}x_{41}x_{42} + k_{-20}x_{43}$
\dot{x}_{18}	=	$k_7x_7x_{17} - k_{-7}x_{18} - \kappa_7x_{18}$		_	$\frac{1}{x}k_{20}x_{41}x_{42}-k_{-20}x_{43}-\kappa_{20}x_{43}$
\dot{x}_{19}	=	$-k_8x_{14}x_{19} + k_{-8}x_{20} + \kappa_8x_{20} + \dots$			v
		$-k_{27}x_{19}x_{53} + k_{-27}x_{56} + \dots$	\dot{x}_{44}		$\kappa_{20}x_{43} - k_{22}x_{44} + k_{-22}x_{48}$
		$-k_{28}x_{19}x_{55} + k_{-28}x_{57}$	\dot{x}_{45}	=	$-\frac{1}{v}k_{21}x_{41}x_{45} + k_{-21}x_{46}$
\dot{x}_{20}	=	$k_8x_{14}x_{19} - k_{-8}x_{20} - \kappa_8x_{20}$	\dot{x}_{46}	=	$\frac{1}{v}k_{21}x_{41}x_{45} - k_{-21}x_{46} - \kappa_{21}x_{46}$
\dot{x}_{21}	=	$-k_9x_{14}x_{21}+k_{-9}x_{22}$			
\dot{x}_{22}	=	$k_9x_{14}x_{21} - k_{-9}x_{22} - \kappa_9x_{22}$	<i>ẋ</i> 47 ∴		$\kappa_{21}x_{46} - k_{26}x_{47} + k_{-26}x_{55}$
\dot{x}_{23}	=	$\kappa_9 x_{22}$	\dot{x}_{48}	=	$k_{22}x_{44} - k_{-22}x_{48} + \dots$
\dot{x}_{24}	=	$-k_{10}x_{9}x_{24}+k_{-10}x_{25}$	<u>.</u>		$-k_{23}x_{48}x_{49} + k_{-23}x_{50} + \kappa_{23}x_{50}$
\dot{x}_{25}	=	$k_{10}x_{9}x_{24} - k_{-10}x_{25} - \kappa_{10}x_{25}$	<i>x</i> 49		$-k_{23}x_{48}x_{49} + k_{-23}x_{50}$
\dot{x}_{26}	=	$\kappa_{10}x_{25} - k_{11}x_{26}x_{27} + k_{-11}x_{28} + \dots$	<i>x</i> 50		$k_{23}x_{48}x_{49} - k_{-23}x_{50} - \kappa_{23}x_{50}$
		$-k_{12}x_{26}x_{29} + k_{-12}x_{30} + \kappa_{12}x_{30}$	\dot{x}_{51}		$\kappa_{23}x_{50} - k_{24}x_{51}x_{52} + k_{-24}x_{53}$
\dot{x}_{27}	=	$-k_{11}x_{26}x_{27}+k_{-11}x_{28}$	<i>x</i> 52		$-k_{24}x_{51}x_{52} + k_{-24}x_{53}$
\dot{x}_{28}	=	$k_{11}x_{26}x_{27} - k_{-11}x_{28}$	\dot{x}_{53}	=	$k_{24}x_{51}x_{52} - k_{-24}x_{53} + \dots$
\dot{x}_{29}	=	$-k_{12}x_{26}x_{29}+k_{-12}x_{30}$			$-k_{25}x_{12}x_{53} + k_{-25}x_{54} + \kappa_{25}x_{54} + \dots$
\dot{x}_{30}	=	$k_{12}x_{26}x_{29} - k_{-12}x_{30} - \kappa_{12}x_{30}$			$-k_{27}x_{19}x_{53}+k_{-27}x_{56}$
\dot{x}_{31}		$\kappa_{12}x_{30} - k_{13}x_{31} + k_{-13}x_{32}$	\dot{x}_{54}		$k_{25}x_{12}x_{53} - k_{-25}x_{54} - \kappa_{25}x_{54}$
\dot{x}_{32}		$k_{13}x_{31} - k_{-13}x_{32} + \dots$	\dot{x}_{55}	=	$k_{26}x_{47} - k_{-26}x_{55} + \dots$
		1			$-k_{28}x_{19}x_{55} + k_{-28}x_{57}$
		$-\frac{1}{v}k_{14}x_{32}x_{33}+k_{-14}x_{34}+\dots$	<i>x</i> 56		$k_{27}x_{19}x_{53} - k_{-27}x_{56}$
		$-\frac{2}{v}k_{15}x_{32}^2 + 2k_{-15}x_{35}$	\dot{x}_{57}	=	$k_{28}x_{19}x_{55} - k_{-28}x_{57}$
		v	\dot{x}_{58}	=	$\kappa_8 x_{20}$