ПРИЛОЖЕНИЕ А

Итерация №1

Отношения между операторами:

SD =

	S_1	S_2	S_3	S_4	S_5	S_6	S_7	S_8	S_9	S_{10}	S_{11}	S_{12}	S_{13}	S_{14}	S_{15}	S_{16}	S_{17}	S_{18}	S_{19}	S_{20}	S_{21}	S_{22}	S_{23}	S_{24}	S_{25}	S_{26}	S_{27}	S_{28}	S_{29}	S_{30}	S_{31}	S_{32}	S_{33}	S_{34}	S_{35}	S_{36}	S_{37}	S_{38}	S_{39}	S_{40}
S_1	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
S_2	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
S_3	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0
S_4	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
S_5	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
S_6	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	1	0	0
S_7	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
S_8	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
S_9	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0
S_{10}	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
S_{11}	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
S_{12}	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
S_{13}	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	1	1	1	1	1	1	1
S_{14}	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
S_{15}	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
S_{16}	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0
S_{17}	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
S_{18}	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
S_{19}	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0
S_{20}	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
S_{21}	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
S_{22}	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0
S_{23}	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
S_{24}	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
S_{25}	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0
S_{26}	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0
S_{27}	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0
S_{28}	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
S_{29}	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0
S_{30}	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0
S_{31}	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1
S_{32}	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
S_{33}	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
S_{34}	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
S_{35}	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
S_{36}	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
S_{37}	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
S_{38}	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
S_{39}	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
S_{40}	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0

WD =

	S_1	S_2	S_3	S_4	S_5	S_6	S_7	S_8	S_9	S_{10}	S_{11}	S_{12}	S_{13}	S_{14}	S_{15}	S_{16}	S_{17}	S_{18}	S_{19}	S_{20}	S_{21}	S_{22}	S_{23}	S_{24}	S_{25}	S_{26}	S_{27}	S_{28}	S_{29}	S_{30}	S_{31}	S_{32}	S_{33}	S_{34}	S_{35}	S_{36}	S_{37}	S_{38}	S_{39}	S_{40}
S_1	0	0	1	0	0	0	0	0	0	1	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	1	1	1	1	1	1	1
S_2	0	0	1	0	0	0	0	0	0	1	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	1	1	1	1	1	1	1
S_3	0	0	0	0	0	0	0	0	0	1	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	1	1	1	1	1	1	1
S_4	0	0	0	0	0	1	0	0	0	0	1	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	1	1	1	1	1	1	1
S_5	0	0	0	0	0	1	0	0	0	0	1	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	1	1	1	1	1	1	1
S_6	0	0	0	0	0	0	0	0	0	0	1	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	1	1	1	1	1	1	1
S_7	0	0	0	0	0	0	0	0	1	0	0	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	1	1	1	1	1	1	1
S_8	0	0	0	0	0	0	0	0	1	0	0	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	1	1	1	1	1	1	1
S_9	0	0	0	0	0	0	0	0	0	0	0	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	1	1	1	1	1	1	1
S_{10}	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	1	1	1	1	1	1	1
S_{11}	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	1	1	1	1	1	1	1
S_{12}	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	1	1	1	1	1	1	1
S_{13}	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	1	1	1	1	1	1	1
S_{14}	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0
S_{15}	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0
S_{16}	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0
S_{17}	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0
S_{18}	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0
S_{19}	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0
S_{20}	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1
S_{21}	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1
S_{22}	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1
S_{23}	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0
S_{24}	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0
S_{25}	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	1	0	0	0	0
S_{26}	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0
S_{27}	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0
S_{28}	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
S_{29}	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	1
S_{30}	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	1
S_{31}	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1
S_{32}	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
S_{33}	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
S_{34}	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
S_{35}	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
S_{36}	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
S_{37}	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
S_{38}	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
S_{39}	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
S_{40}	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0

C =

	S_1	S_2	S_3	S_4	S_5	S_6	S_7	S_8	S_9	S_{10}	S_{11}	S_{12}	S_{13}	S_{14}	S_{15}	S_{16}	S_{17}	S_{18}	S_{19}	S_{20}	S_{21}	S_{22}	S_{23}	S_{24}	S_{25}	S_{26}	S_{27}	S_{28}	S_{29}	S_{30}	S_{31}	S_{32}	S_{33}	S_{34}	S_{35}	S_{36}	S_{37}	S_{38}	S_{39}	S_{40}
S_1	1	1	0	1	1	1	1	1	1	0	1	1	0	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	0	0	0	0	0	0	0	0	0
S_2	1	1	0	1	1	1	1	1	1	0	1	1	0	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	0	0	0	0	0	0	0	0	0
S_3	0	0	1	1	1	1	1	1	1	0	1	1	0	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	0	0	0	0	0	0	0	0	0
S_4	1	1	1	1	1	0	1	1	1	1	0	1	0	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	0	0	0	0	0	0	0	0	0
S_5	1	1	1	1	1	0	1	1	1	1	0	1	0	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	0	0	0	0	0	0	0	0	0
S_6	1	1	1	0	0	1	1	1	1	1	0	1	0	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	0	0	0	0	0	0	0	0	0
S_7	1	1	1	1	1	1	1	1	0	1	1	0	0	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	0	0	0	0	0	0	0	0	0
S_8	1	1	1	1	1	1	1	1	0	1	1	0	0	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	0	0	0	0	0	0	0	0	0
S_9	1	1	1	1	1	1	0	0	1	1	1	0	0	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	0	0	0	0	0	0	0	0	0
S_{10}	0	0	0	1	1	1	1	1	1	1	1	1	0	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	0	0	0	0	0	0	0	0	0
S_{11}	1	1	1	0	0	0	1	1	1	1	1	1	0	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	0	0	0	0	0	0	0	0	0
S_{12}	1	1	1	1	1	1	0	0	0	1	1	1	0	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	0	0	0	0	0	0	0	0	0
S_{13}	0	0	0	0	0	0	0	0	0	0	0	0	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	0	0	0	0	0	0	0	0	0
S_{14}	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	0	1	1	1	1	1	1	1	1	1	1	1	1	1	0	1	1	1	1	1	1	1	1
S_{15}	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	0	1	1	1	1	1	1	1	1	1	1	1	1	0	1	1	1	1	1	1	1	1
S_{16}	1	1	1	1	1	1	1	1	1	1	1	1	1	0	0	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	0	1	1	1	1	1	1	1	1
S_{17}	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	0	1	1	0	1	1	1	1	1	1	1	1	0	1	1	1	1	1	1	1	1
S_{18}	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	0	1	1	1	1	1	1	1	1	1	1	1	0	1	1	1	1	1	1	1	1
S_{19}	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	0	0	1	0	1	1	1	1	1	1	1	1	1	1	0	1	1	1	1	1	1	1	1
S_{20}	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	0	1	1	0	1	1	1	1	1	1	1	1	0	1	1	1	1	1	1	1	1
S_{21}	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	0	1	1	1	1	1	1	1	1	0	1	1	1	1	1	1	1	1
S_{22}	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	0	1	1	0	0	1	1	1	1	1	1	1	1	1	0	1	1	1	1	1	1	1	1
S_{23}	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	0	1	1	1	1	1	1	0	1	1	1	1	1	1	1
S_{24}	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	0	1	1	1	1	1	0	1	1	1	1	1	1	1
S_{25}	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	0	0	1	1	1	1	0	1	1	1	1	1	1
S_{26}	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	0	1	1	1	1	1	1	1	1	1	1	1
S_{27}	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	0	1	1	1	1	1	1	1	1	1	1	1
S_{28}	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	0	0	1	1	1	1	1	1	1	1	1
S_{29}	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	0	1	1	1	1	1	1	1	1	0
S_{30}	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	0	1	1	1	1	1	1	1	0
S_{31}	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	0	0	1	1	1	1	1	1	1	1	0
S_{32}	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	0	1	1	1	1	1	1	1	1
S_{33}	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	0	1	1	1	1	1	1	1	1
S_{34}	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	1	1	1	1	1	1	1	0	0	0	1	1	1	1	1	1	1	1	1	1	1	1	1	1
S_{35}	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
S_{36}	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	1	0	0	0	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
S_{37}	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
S_{38}	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
S_{39}	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	1	1	1	1	1	1	0	0	0	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
S_{40}	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	1	1	1	1	1	1	1	1	1	1	1	1	0	0	0	1	1	1	1	1	1	1	1	1

SI =

	S_1	S_2	S_3	S_4	S_5	S_6	S_7	S_8	S_9	S_{10}	S_{11}	S_{12}	S_{13}	S_{14}	S_{15}	S_{16}	S_{17}	S_{18}	S_{19}	S_{20}	S_{21}	S_{22}	S_{23}	S_{24}	S_{25}	S_{26}	S_{27}	S_{28}	S_{29}	S_{30}	S_{31}	S_{32}	S_{33}	S_{34}	S_{35}	S_{36}	S_{37}	S_{38}	S_{39}	S_{40}
S_1	1	1	0	1	1	1	1	1	1	0	1	1	0	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	0	0	0	0	0	0	0	0	0
S_2	1	1	0	1	1	1	1	1	1	0	1	1	0	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	0	0	0	0	0	0	0	0	0
S_3	0	0	1	1	1	1	1	1	1	0	1	1	0	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	0	0	0	0	0	0	0	0	0
S_4	1	1	1	1	1	0	1	1	1	1	0	1	0	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	0	0	0	0	0	0	0	0	0
S_5	1	1	1	1	1	0	1	1	1	1	0	1	0	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	0	0	0	0	0	0	0	0	0
S_6	1	1	1	0	0	1	1	1	1	1	0	1	0	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	0	0	0	0	0	0	0	0	0
S_7	1	1	1	1	1	1	1	1	0	1	1	0	0	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	0	0	0	0	0	0	0	0	0
S_8	1	1	1	1	1	1	1	1	0	1	1	0	0	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	0	0	0	0	0	0	0	0	0
S_9	1	1	1	1	1	1	0	0	1	1	1	0	0	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	0	0	0	0	0	0	0	0	0
S_{10}	0	0	0	1	1	1	1	1	1	1	1	1	0	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	0	0	0	0	0	0	0	0	0
S_{11}	1	1	1	0	0	0	1	1	1	1	1	1	0	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	0	0	0	0	0	0	0	0	0
S_{12}	1	1	1	1	1	1	0	0	0	1	1	1	0	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	0	0	0	0	0	0	0	0	0
S_{13}	0	0	0	0	0	0	0	0	0	0	0	0	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	0	0	0	0	0	0	0	0	0
S_{14}	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	0	1	1	1	1	1	1	1	1	1	1	1	1	1	0	1	1	1	1	1	1	1	1
S_{15}	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	0	1	1	1	1	1	1	1	1	1	1	1	1	0	1	1	1	1	1	1	1	1
S_{16}	1	1	1	1	1	1	1	1	1	1	1	1	1	0	0	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	0	1	1	1	1	1	1	1	1
S_{17}	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	0	0	1	0	1	1	1	1	1	1	1	1	0	1	1	1	1	1	1	1	1
S_{18}	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	0	1	1	1	1	1	1	1	1	1	1	1	0	1	1	1	1	1	1	1	1
S_{19}	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	0	0	1	0	1	1	1	1	1	1	1	1	1	1	0	1	1	1	1	1	1	1	1
S_{20}	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	0	1	0	1	1	0	1	1	1	1	1	1	0	1	1	1	1	1	1	1	1
S_{21}	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	0	1	1	1	1	1	1	1	1	0	1	1	1	1	1	1	1	1
S_{22}	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	0	1	1	0	0	1	1	1	1	1	1	1	1	1	0	1	1	1	1	1	1	1	1
S_{23}	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	0	1	1	1	1	1	1	0	1	1	1	1	1	1	1
S_{24}	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	0	1	1	1	1	1	0	1	1	1	1	1	1	1
S_{25}	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	0	0	1	1	1	1	0	1	1	1	1	1	1
S_{26}	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	0	1	1	1	1	1	1	1	1	1	1	1
S_{27}	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	0	1	1	1	1	1	1	1	1	1	1	1
S_{28}	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	0	0	1	1	1	1	1	1	1	1	1
S_{29}	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	0	1	1	1	1	1	1	1	1	0
S_{30}	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	0	1	1	1	1	1	1	1	0
S_{31}	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	0	0	1	1	1	1	1	1	0
S_{32}	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
S_{33}	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
S_{34}	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	1	1	1	1	1	1	1	0	0	0	1	1	1	1	1	1	1	1	1	1	1	1	1	1
S_{35}	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
S_{36}	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	1	0	0	0	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
S_{37}	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
S_{38}	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
S_{39}	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	1	1	1	1	1	1	0	0	0	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
S_{40}	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	1	1	1	1	1	1	1	1	1	1	1	1	0	0	0	1	1	1	1	1	1	1	1	1

Проверка условия приводимости программы к ППФ (5 из 579):

1)$S_1 \nrightarrow S_4$

2)S_3

$E(S_1) = \{S_3, S_{10}, S_{13}, S_{32}, S_{33}, S_{34}, S_{35}, S_{36}, S_{37}, S_{38}, S_{39}, S_{40}\}$

$E(S_4) = \{S_6, S_{11}, S_{13}, S_{32}, S_{33}, S_{34}, S_{35}, S_{36}, S_{37}, S_{38}, S_{39}, S_{40}\}$

$N_1(S_1, S_4) = \{S_{13}, S_{32}, S_{33}, S_{34}, S_{35}, S_{36}, S_{37}, S_{38}, S_{39}, S_{40}\}$

$N_2(S_1, S_4) = \{S_3, S_{10}, S_6, S_{11}\}$

$E(S_3) = \{S_{10}, S_{13}, S_{32}, S_{33}, S_{34}, S_{35}, S_{36}, S_{37}, S_{38}, S_{39}, S_{40}\}$

$S_3 \in N_2(S_1, S_4)$ – выполняется

$N_1(S_1, S_4) \subseteq E(S_3)$ – выполняется

выполняется

1)$S_1 \nrightarrow S_5$

2)S_3

$E(S_1) = \{S_3, S_{10}, S_{13}, S_{32}, S_{33}, S_{34}, S_{35}, S_{36}, S_{37}, S_{38}, S_{39}, S_{40}\}$

$E(S_5) = \{S_6, S_{11}, S_{13}, S_{32}, S_{33}, S_{34}, S_{35}, S_{36}, S_{37}, S_{38}, S_{39}, S_{40}\}$

$N_1(S_1, S_5) = \{S_{13}, S_{32}, S_{33}, S_{34}, S_{35}, S_{36}, S_{37}, S_{38}, S_{39}, S_{40}\}$

$N_2(S_1, S_5) = \{S_3, S_{10}, S_6, S_{11}\}$

$E(S_3) = \{S_{10}, S_{13}, S_{32}, S_{33}, S_{34}, S_{35}, S_{36}, S_{37}, S_{38}, S_{39}, S_{40}\}$
$S_3 \in N_2(S_1, S_5)$ – выполняется
$N_1(S_1, S_5) \subseteq E(S_3)$ – выполняется
выполняется

1)$S_1 \nrightarrow S_6$
2)S_3
$E(S_1) = \{S_3, S_{10}, S_{13}, S_{32}, S_{33}, S_{34}, S_{35}, S_{36}, S_{37}, S_{38}, S_{39}, S_{40}\}$
$E(S_6) = \{S_{11}, S_{13}, S_{32}, S_{33}, S_{34}, S_{35}, S_{36}, S_{37}, S_{38}, S_{39}, S_{40}\}$
$N_1(S_1, S_6) = \{S_{13}, S_{32}, S_{33}, S_{34}, S_{35}, S_{36}, S_{37}, S_{38}, S_{39}, S_{40}\}$
$N_2(S_1, S_6) = \{S_3, S_{10}, S_{11}\}$
$E(S_3) = \{S_{10}, S_{13}, S_{32}, S_{33}, S_{34}, S_{35}, S_{36}, S_{37}, S_{38}, S_{39}, S_{40}\}$
$S_3 \in N_2(S_1, S_6)$ – выполняется
$N_1(S_1, S_6) \subseteq E(S_3)$ – выполняется
выполняется

1)$S_1 \nrightarrow S_7$
2)S_3
$E(S_1) = \{S_3, S_{10}, S_{13}, S_{32}, S_{33}, S_{34}, S_{35}, S_{36}, S_{37}, S_{38}, S_{39}, S_{40}\}$
$E(S_7) = \{S_9, S_{12}, S_{13}, S_{32}, S_{33}, S_{34}, S_{35}, S_{36}, S_{37}, S_{38}, S_{39}, S_{40}\}$
$N_1(S_1, S_7) = \{S_{13}, S_{32}, S_{33}, S_{34}, S_{35}, S_{36}, S_{37}, S_{38}, S_{39}, S_{40}\}$
$N_2(S_1, S_7) = \{S_3, S_{10}, S_9, S_{12}\}$
$E(S_3) = \{S_{10}, S_{13}, S_{32}, S_{33}, S_{34}, S_{35}, S_{36}, S_{37}, S_{38}, S_{39}, S_{40}\}$
$S_3 \in N_2(S_1, S_7)$ – выполняется
$N_1(S_1, S_7) \subseteq E(S_3)$ – выполняется
выполняется

1)$S_1 \nrightarrow S_8$
2)S_3
$E(S_1) = \{S_3, S_{10}, S_{13}, S_{32}, S_{33}, S_{34}, S_{35}, S_{36}, S_{37}, S_{38}, S_{39}, S_{40}\}$
$E(S_8) = \{S_9, S_{12}, S_{13}, S_{32}, S_{33}, S_{34}, S_{35}, S_{36}, S_{37}, S_{38}, S_{39}, S_{40}\}$
$N_1(S_1, S_8) = \{S_{13}, S_{32}, S_{33}, S_{34}, S_{35}, S_{36}, S_{37}, S_{38}, S_{39}, S_{40}\}$
$N_2(S_1, S_8) = \{S_3, S_{10}, S_9, S_{12}\}$
$E(S_3) = \{S_{10}, S_{13}, S_{32}, S_{33}, S_{34}, S_{35}, S_{36}, S_{37}, S_{38}, S_{39}, S_{40}\}$
$S_3 \in N_2(S_1, S_8)$ – выполняется
$N_1(S_1, S_8) \subseteq E(S_3)$ – выполняется
выполняется
На текущей итерации был выделен параллллельный групповой оператор $\bar{\bar{y}}_1 = \{S_1, S_2\}$

Итерация №2

Отношения между операторами:

SD =

	$\bar{y}_1$	S_3	S_4	S_5	S_6	S_7	S_8	S_9	S_{10}	S_{11}	S_{12}	S_{13}	S_{14}	S_{15}	S_{16}	S_{17}	S_{18}	S_{19}	S_{20}	S_{21}	S_{22}	S_{23}	S_{24}	S_{25}	S_{26}	S_{27}	S_{28}	S_{29}	S_{30}	S_{31}	S_{32}	S_{33}	S_{34}	S_{35}	S_{36}	S_{37}	S_{38}	S_{39}	S_{40}
$\bar{y}_1$	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
S_3	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0
S_4	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
S_5	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
S_6	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	1	0	0	0
S_7	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
S_8	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
S_9	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0
S_{10}	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
S_{11}	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
S_{12}	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
S_{13}	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	1	1	1	1	1	1	1	1
S_{14}	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
S_{15}	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
S_{16}	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0
S_{17}	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
S_{18}	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
S_{19}	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0
S_{20}	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
S_{21}	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
S_{22}	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0
S_{23}	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0
S_{24}	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
S_{25}	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0
S_{26}	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0
S_{27}	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0
S_{28}	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
S_{29}	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0
S_{30}	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0
S_{31}	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1
S_{32}	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
S_{33}	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
S_{34}	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
S_{35}	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
S_{36}	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
S_{37}	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
S_{38}	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
S_{39}	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
S_{40}	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0

WD =

	$\bar{y}_1$	S_3	S_4	S_5	S_6	S_7	S_8	S_9	S_{10}	S_{11}	S_{12}	S_{13}	S_{14}	S_{15}	S_{16}	S_{17}	S_{18}	S_{19}	S_{20}	S_{21}	S_{22}	S_{23}	S_{24}	S_{25}	S_{26}	S_{27}	S_{28}	S_{29}	S_{30}	S_{31}	S_{32}	S_{33}	S_{34}	S_{35}	S_{36}	S_{37}	S_{38}	S_{39}	S_{40}
$\bar{y}_1$	0	1	0	0	0	0	0	0	1	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	1	1	1	1	1	1	1
S_3	0	0	0	0	0	0	0	0	1	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	1	1	1	1	1	1	1
S_4	0	0	0	0	1	0	0	0	0	1	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	1	1	1	1	1	1	1
S_5	0	0	0	0	1	0	0	0	0	1	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	1	1	1	1	1	1	1
S_6	0	0	0	0	0	0	0	0	0	1	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	1	1	1	1	1	1	1
S_7	0	0	0	0	0	0	0	1	0	0	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	1	1	1	1	1	1	1
S_8	0	0	0	0	0	0	0	1	0	0	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	1	1	1	1	1	1	1
S_9	0	0	0	0	0	0	0	0	0	0	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	1	1	1	1	1	1	1
S_{10}	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	1	1	1	1	1	1	1
S_{11}	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	1	1	1	1	1	1	1
S_{12}	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	1	1	1	1	1	1	1
S_{13}	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	1	1	1	1	1	1	1
S_{14}	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0
S_{15}	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0
S_{16}	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0
S_{17}	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0
S_{18}	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0
S_{19}	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0
S_{20}	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0
S_{21}	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0
S_{22}	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0
S_{23}	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0
S_{24}	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0
S_{25}	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0
S_{26}	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0
S_{27}	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0
S_{28}	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
S_{29}	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	1
S_{30}	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	1
S_{31}	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1
S_{32}	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
S_{33}	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
S_{34}	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
S_{35}	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
S_{36}	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
S_{37}	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
S_{38}	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
S_{39}	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
S_{40}	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0

C =

	$\bar{\bar{y}}_1$	S_3	S_4	S_5	S_6	S_7	S_8	S_9	S_{10}	S_{11}	S_{12}	S_{13}	S_{14}	S_{15}	S_{16}	S_{17}	S_{18}	S_{19}	S_{20}	S_{21}	S_{22}	S_{23}	S_{24}	S_{25}	S_{26}	S_{27}	S_{28}	S_{29}	S_{30}	S_{31}	S_{32}	S_{33}	S_{34}	S_{35}	S_{36}	S_{37}	S_{38}	S_{39}	S_{40}
$\bar{\bar{y}}_1$	1	0	1	1	1	1	1	1	0	1	1	0	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	0	0	0	0	0	0	0	0	0
S_3	0	1	1	1	1	1	1	1	0	1	1	0	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	0	0	0	0	0	0	0	0	0
S_4	1	1	1	1	0	1	1	1	1	0	1	0	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	0	0	0	0	0	0	0	0	0
S_5	1	1	1	1	0	1	1	1	1	0	1	0	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	0	0	0	0	0	0	0	0	0
S_6	1	1	0	0	1	1	1	1	1	0	1	0	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	0	0	0	0	0	0	0	0	0
S_7	1	1	1	1	1	1	1	0	1	1	0	0	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	0	0	0	0	0	0	0	0	0
S_8	1	1	1	1	1	1	1	0	1	1	0	0	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	0	0	0	0	0	0	0	0	0
S_9	1	1	1	1	1	0	0	1	1	1	0	0	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	0	0	0	0	0	0	0	0	0
S_{10}	0	0	1	1	1	1	1	1	1	1	1	0	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	0	0	0	0	0	0	0	0	0
S_{11}	1	1	0	0	0	1	1	1	1	1	1	0	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	0	0	0	0	0	0	0	0	0
S_{12}	1	1	1	1	1	0	0	0	1	1	1	0	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	0	0	0	0	0	0	0	0	0
S_{13}	0	0	0	0	0	0	0	0	0	0	0	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	0	0	0	0	0	0	0	0	0
S_{14}	1	1	1	1	1	1	1	1	1	1	1	1	1	1	0	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
S_{15}	1	1	1	1	1	1	1	1	1	1	1	1	1	1	0	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	0	1	1	1	1	1	1	1
S_{16}	1	1	1	1	1	1	1	1	1	1	1	1	0	0	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	0	1	1	1	1	1	1	1
S_{17}	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	0	1	1	0	1	1	1	1	1	1	1	1	1	1	1	1	0	1	1	1	1
S_{18}	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	0	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	0	1	1	1	1
S_{19}	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	0	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	0	1	1	1	1
S_{20}	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	0	1	1	0	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	0	1
S_{21}	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	0	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
S_{22}	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	0	1	1	1	0	0	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	0	1
S_{23}	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	0	1	1	1	1	1	1	1	1	1	0	1	1	1	1	1	1
S_{24}	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	0	1	1	1	1	1	1	1	1	1	0	1	1	1	1	1
S_{25}	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	0	0	1	1	1	1	1	1	1	1	0	1	1	1	1
S_{26}	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	0	1	1	1	1	1	1	1	1	1	0	1	1	1
S_{27}	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	0	1	1	1	1	1	1	1	1	1	0	1	1
S_{28}	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	0	1	1	1	1	1	1	1	1	1	0	1
S_{29}	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	0	1	1	1	1	1	1	1	1	1	0
S_{30}	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	0	1	1	1	1	1	1	1	1	0
S_{31}	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	0	1	1	1	1	1	1	1	1
S_{32}	0	0	0	0	0	0	0	0	0	0	0	0	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	0	1	1	1	1	1	1	1
S_{33}	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	0	1	1	1	1	1	1
S_{34}	0	0	0	0	0	0	0	0	0	0	0	0	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	0	1	1	1	1	1
S_{35}	0	0	0	0	0	0	0	0	0	0	0	0	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	0	1	1	1	1
S_{36}	0	0	0	0	0	0	0	0	0	0	0	0	1	1	1	0	0	0	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	0	1	1	1
S_{37}	0	0	0	0	0	0	0	0	0	0	0	0	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	0	1	1
S_{38}	0	0	0	0	0	0	0	0	0	0	0	0	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	0	1
S_{39}	0	0	0	0	0	0	0	0	0	0	0	0	1	1	1	1	1	1	1	1	0	0	0	1	1	1	1	1	1	1	1	1	1	1	1	1	1	0
S_{40}	0	0	0	0	0	0	0	0	0	0	0	0	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	0	0	0	1	1	1	1	1	1	1	1

SI =

	$\bar{\bar{y}}_1$	S_3	S_4	S_5	S_6	S_7	S_8	S_9	S_{10}	S_{11}	S_{12}	S_{13}	S_{14}	S_{15}	S_{16}	S_{17}	S_{18}	S_{19}	S_{20}	S_{21}	S_{22}	S_{23}	S_{24}	S_{25}	S_{26}	S_{27}	S_{28}	S_{29}	S_{30}	S_{31}	S_{32}	S_{33}	S_{34}	S_{35}	S_{36}	S_{37}	S_{38}	S_{39}	S_{40}
$\bar{\bar{y}}_1$	1	0	1	1	1	1	1	1	0	1	1	0	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	0	0	0	0	0	0	0	0	0
S_3	0	1	1	1	1	1	1	1	0	1	1	0	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	0	0	0	0	0	0	0	0	0
S_4	1	1	1	1	0	1	1	1	1	0	1	0	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	0	0	0	0	0	0	0	0	0
S_5	1	1	1	1	0	1	1	1	1	0	1	0	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	0	0	0	0	0	0	0	0	0
S_6	1	1	0	0	1	1	1	1	1	0	1	0	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	0	0	0	0	0	0	0	0	0
S_7	1	1	1	1	1	1	1	0	1	1	0	0	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	0	0	0	0	0	0	0	0	0
S_8	1	1	1	1	1	1	1	0	1	1	0	0	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	0	0	0	0	0	0	0	0	0
S_9	1	1	1	1	1	0	0	1	1	1	0	0	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	0	0	0	0	0	0	0	0	0
S_{10}	0	0	1	1	1	1	1	1	1	1	1	0	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	0	0	0	0	0	0	0	0	0
S_{11}	1	1	0	0	0	1	1	1	1	1	1	0	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	0	0	0	0	0	0	0	0	0
S_{12}	1	1	1	1	1	0	0	0	1	1	1	0	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	0	0	0	0	0	0	0	0	0
S_{13}	0	0	0	0	0	0	0	0	0	0	0	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	0	0	0	0	0	0	0	0	0
S_{14}	1	1	1	1	1	1	1	1	1	1	1	1	1	1	0	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	0	1	1	1	1	1	1	1
S_{15}	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	0	1	1	1	1	1	1	1
S_{16}	1	1	1	1	1	1	1	1	1	1	1	1	0	0	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	0	1	1	1	1	1	1	1
S_{17}	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	0	0	1	0	1	1	1	1	1	1	1	1	1	1	1	1	0	1	1	1	1
S_{18}	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	0	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	0	1	1	1	1
S_{19}	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	0	0	1	0	1	1	1	1	1	1	1	1	1	1	1	1	0	1	1	1	1
S_{20}	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	0	1	1	0	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	0	1
S_{21}	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	0	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
S_{22}	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	0	1	1	1	0	0	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	0	1
S_{23}	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	0	1	1	1	1	1	1	1	1	1	0	1	1	1	1	1	1
S_{24}	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	0	1	1	1	1	1	1	1	1	1	0	1	1	1	1	1
S_{25}	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	0	0	1	1	1	1	1	1	1	1	0	1	1	1	1
S_{26}	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	0	1	1	1	1	1	1	1	1	1	0	1	1	1
S_{27}	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	0	1	1	1	1	1	1	1	1	1	0	1	1
S_{28}	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	0	1	1	1	1	1	1	1	1	1	0	1
S_{29}	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	0	1	1	1	1	1	1	1	1	1	0
S_{30}	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	0	1	1	1	1	1	1	1	1	0
S_{31}	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	0	1	1	1	1	1	1	1	1
S_{32}	0	0	0	0	0	0	0	0	0	0	0	0	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	0	1	1	1	1	1	1	1
S_{33}	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	0	1	1	1	1	1	1
S_{34}	0	0	0	0	0	0	0	0	0	0	0	0	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	0	1	1	1	1	1
S_{35}	0	0	0	0	0	0	0	0	0	0	0	0	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	0	1	1	1	1
S_{36}	0	0	0	0	0	0	0	0	0	0	0	0	1	1	1	0	0	0	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	0	1	1	1
S_{37}	0	0	0	0	0	0	0	0	0	0	0	0	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	0	1	1
S_{38}	0	0	0	0	0	0	0	0	0	0	0	0	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	0	1
S_{39}	0	0	0	0	0	0	0	0	0	0	0	0	1	1	1	1	1	1	1	1	0	0	0	1	1	1	1	1	1	1	1	1	1	1	1	1	1	0
S_{40}	0	0	0	0	0	0	0	0	0	0	0	0	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	0	0	0	1	1	1	1	1	1	1	1

Проверка условия приводимости программы к ППФ (5 из 553):

$1)\bar{\bar{y}}_1 \nrightarrow S_4$

$2)S_3$

$E(\bar{\bar{y}}_1) = \{S_3, S_{10}, S_{13}, S_{32}, S_{33}, S_{34}, S_{35}, S_{36}, S_{37}, S_{38}, S_{39}, S_{40}\}$

$E(S_4) = \{S_6, S_{11}, S_{13}, S_{32}, S_{33}, S_{34}, S_{35}, S_{36}, S_{37}, S_{38}, S_{39}, S_{40}\}$

$N_1(\bar{\bar{y}}_1, S_4) = \{S_{13}, S_{32}, S_{33}, S_{34}, S_{35}, S_{36}, S_{37}, S_{38}, S_{39}, S_{40}\}$

$N_2(\bar{\bar{y}}_1, S_4) = \{S_3, S_{10}, S_6, S_{11}\}$

$E(S_3) = \{S_{10}, S_{13}, S_{32}, S_{33}, S_{34}, S_{35}, S_{36}, S_{37}, S_{38}, S_{39}, S_{40}\}$

$S_3 \in N_2(\bar{\bar{y}}_1, S_4)$ – выполняется

$N_1(\bar{\bar{y}}_1, S_4) \subseteq E(S_3)$ – выполняется

выполняется

$1)\bar{\bar{y}}_1 \nrightarrow S_5$

$2)S_3$

$E(\bar{\bar{y}}_1) = \{S_3, S_{10}, S_{13}, S_{32}, S_{33}, S_{34}, S_{35}, S_{36}, S_{37}, S_{38}, S_{39}, S_{40}\}$

$E(S_5) = \{S_6, S_{11}, S_{13}, S_{32}, S_{33}, S_{34}, S_{35}, S_{36}, S_{37}, S_{38}, S_{39}, S_{40}\}$

$N_1(\bar{\bar{y}}_1, S_5) = \{S_{13}, S_{32}, S_{33}, S_{34}, S_{35}, S_{36}, S_{37}, S_{38}, S_{39}, S_{40}\}$

$N_2(\bar{\bar{y}}_1, S_5) = \{S_3, S_{10}, S_6, S_{11}\}$

$E(S_3) = \{S_{10}, S_{13}, S_{32}, S_{33}, S_{34}, S_{35}, S_{36}, S_{37}, S_{38}, S_{39}, S_{40}\}$
$S_3 \in N_2(\bar{\bar{y}}_1, S_5)$ – выполняется
$N_1(\bar{\bar{y}}_1, S_5) \subseteq E(S_3)$ – выполняется
выполняется

$1)\bar{\bar{y}}_1 \nrightarrow S_6$
$2)S_3$
$E(\bar{\bar{y}}_1) = \{S_3, S_{10}, S_{13}, S_{32}, S_{33}, S_{34}, S_{35}, S_{36}, S_{37}, S_{38}, S_{39}, S_{40}\}$
$E(S_6) = \{S_{11}, S_{13}, S_{32}, S_{33}, S_{34}, S_{35}, S_{36}, S_{37}, S_{38}, S_{39}, S_{40}\}$
$N_1(\bar{\bar{y}}_1, S_6) = \{S_{13}, S_{32}, S_{33}, S_{34}, S_{35}, S_{36}, S_{37}, S_{38}, S_{39}, S_{40}\}$
$N_2(\bar{\bar{y}}_1, S_6) = \{S_3, S_{10}, S_{11}\}$
$E(S_3) = \{S_{10}, S_{13}, S_{32}, S_{33}, S_{34}, S_{35}, S_{36}, S_{37}, S_{38}, S_{39}, S_{40}\}$
$S_3 \in N_2(\bar{\bar{y}}_1, S_6)$ – выполняется
$N_1(\bar{\bar{y}}_1, S_6) \subseteq E(S_3)$ – выполняется
выполняется

$1)\bar{\bar{y}}_1 \nrightarrow S_7$
$2)S_3$
$E(\bar{\bar{y}}_1) = \{S_3, S_{10}, S_{13}, S_{32}, S_{33}, S_{34}, S_{35}, S_{36}, S_{37}, S_{38}, S_{39}, S_{40}\}$
$E(S_7) = \{S_9, S_{12}, S_{13}, S_{32}, S_{33}, S_{34}, S_{35}, S_{36}, S_{37}, S_{38}, S_{39}, S_{40}\}$
$N_1(\bar{\bar{y}}_1, S_7) = \{S_{13}, S_{32}, S_{33}, S_{34}, S_{35}, S_{36}, S_{37}, S_{38}, S_{39}, S_{40}\}$
$N_2(\bar{\bar{y}}_1, S_7) = \{S_3, S_{10}, S_9, S_{12}\}$
$E(S_3) = \{S_{10}, S_{13}, S_{32}, S_{33}, S_{34}, S_{35}, S_{36}, S_{37}, S_{38}, S_{39}, S_{40}\}$
$S_3 \in N_2(\bar{\bar{y}}_1, S_7)$ – выполняется
$N_1(\bar{\bar{y}}_1, S_7) \subseteq E(S_3)$ – выполняется
выполняется

$1)\bar{\bar{y}}_1 \nrightarrow S_8$
$2)S_3$
$E(\bar{\bar{y}}_1) = \{S_3, S_{10}, S_{13}, S_{32}, S_{33}, S_{34}, S_{35}, S_{36}, S_{37}, S_{38}, S_{39}, S_{40}\}$
$E(S_8) = \{S_9, S_{12}, S_{13}, S_{32}, S_{33}, S_{34}, S_{35}, S_{36}, S_{37}, S_{38}, S_{39}, S_{40}\}$
$N_1(\bar{\bar{y}}_1, S_8) = \{S_{13}, S_{32}, S_{33}, S_{34}, S_{35}, S_{36}, S_{37}, S_{38}, S_{39}, S_{40}\}$
$N_2(\bar{\bar{y}}_1, S_8) = \{S_3, S_{10}, S_9, S_{12}\}$
$E(S_3) = \{S_{10}, S_{13}, S_{32}, S_{33}, S_{34}, S_{35}, S_{36}, S_{37}, S_{38}, S_{39}, S_{40}\}$
$S_3 \in N_2(\bar{\bar{y}}_1, S_8)$ – выполняется
$N_1(\bar{\bar{y}}_1, S_8) \subseteq E(S_3)$ – выполняется
выполняется
На текущей итерации был выделен параллллельный групповой оператор $\bar{\bar{y}}_2 = \{S_3, S_4, S_5\}$

Итерация №3

Отношения между операторами:

SD =

	$\bar{\bar{y}}_1$	$\bar{\bar{y}}_2$	S_6	S_7	S_8	S_9	S_{10}	S_{11}	S_{12}	S_{13}	S_{14}	S_{15}	S_{16}	S_{17}	S_{18}	S_{19}	S_{20}	S_{21}	S_{22}	S_{23}	S_{24}	S_{25}	S_{26}	S_{27}	S_{28}	S_{29}	S_{30}	S_{31}	S_{32}	S_{33}	S_{34}	S_{35}	S_{36}	S_{37}	S_{38}	S_{39}	S_{40}
$\bar{\bar{y}}_1$	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
$\bar{\bar{y}}_2$	0	0	1	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0
S_6	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	1	0	0	0
S_7	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
S_8	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
S_9	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0
S_{10}	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
S_{11}	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
S_{12}	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
S_{13}	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	1	1	1	1	1	1	1
S_{14}	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
S_{15}	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
S_{16}	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0
S_{17}	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
S_{18}	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
S_{19}	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0
S_{20}	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
S_{21}	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
S_{22}	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0
S_{23}	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
S_{24}	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
S_{25}	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0
S_{26}	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0
S_{27}	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0
S_{28}	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
S_{29}	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0
S_{30}	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0
S_{31}	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1
S_{32}	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
S_{33}	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
S_{34}	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
S_{35}	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
S_{36}	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
S_{37}	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
S_{38}	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
S_{39}	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
S_{40}	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0

WD =

	$\bar{\bar{y}}_1$	$\bar{\bar{y}}_2$	S_6	S_7	S_8	S_9	S_{10}	S_{11}	S_{12}	S_{13}	S_{14}	S_{15}	S_{16}	S_{17}	S_{18}	S_{19}	S_{20}	S_{21}	S_{22}	S_{23}	S_{24}	S_{25}	S_{26}	S_{27}	S_{28}	S_{29}	S_{30}	S_{31}	S_{32}	S_{33}	S_{34}	S_{35}	S_{36}	S_{37}	S_{38}	S_{39}	S_{40}
$\bar{\bar{y}}_1$	0	1	1	0	0	0	1	1	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	1	1	1	1	1	1	1
$\bar{\bar{y}}_2$	0	0	1	0	0	0	1	1	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	1	1	1	1	1	1	1
S_6	0	0	0	0	0	0	0	1	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	1	1	1	1	1	1	1
S_7	0	0	0	0	1	0	0	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	1	1	1	1	1	1	1
S_8	0	0	0	0	0	1	0	0	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	1	1	1	1	1	1	1
S_9	0	0	0	0	0	0	0	0	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	1	1	1	1	1	1	1
S_{10}	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	1	1	1	1	1	1	1
S_{11}	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	1	1	1	1	1	1	1
S_{12}	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	1	1	1	1	1	1	1
S_{13}	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	1	1	1	1	1	1	1
S_{14}	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0
S_{15}	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0
S_{16}	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0
S_{17}	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0
S_{18}	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0
S_{19}	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0
S_{20}	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1
S_{21}	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1
S_{22}	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
S_{23}	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0
S_{24}	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0
S_{25}	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0
S_{26}	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0
S_{27}	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0
S_{28}	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
S_{29}	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	1
S_{30}	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	1
S_{31}	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	1
S_{32}	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
S_{33}	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
S_{34}	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
S_{35}	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
S_{36}	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
S_{37}	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
S_{38}	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
S_{39}	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
S_{40}	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0

C =

	$\bar{\bar{y}}_1$	$\bar{\bar{y}}_2$	S_6	S_7	S_8	S_9	S_{10}	S_{11}	S_{12}	S_{13}	S_{14}	S_{15}	S_{16}	S_{17}	S_{18}	S_{19}	S_{20}	S_{21}	S_{22}	S_{23}	S_{24}	S_{25}	S_{26}	S_{27}	S_{28}	S_{29}	S_{30}	S_{31}	S_{32}	S_{33}	S_{34}	S_{35}	S_{36}	S_{37}	S_{38}	S_{39}	S_{40}
$\bar{\bar{y}}_1$	1	0	0	1	1	1	0	0	1	0	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	0	0	0	0	0	0	0	0	0
$\bar{\bar{y}}_2$	0	1	0	1	1	1	0	0	1	0	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	0	0	0	0	0	0	0	0	0
S_6	0	0	1	1	1	1	1	0	1	0	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	0	0	0	0	0	0	0	0	0
S_7	1	1	1	1	1	0	1	1	0	0	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	0	0	0	0	0	0	0	0	0
S_8	1	1	1	1	1	0	1	1	0	0	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	0	0	0	0	0	0	0	0	0
S_9	1	1	1	0	0	1	1	1	0	0	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	0	0	0	0	0	0	0	0	0
S_{10}	0	0	1	1	1	1	1	1	1	0	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	0	0	0	0	0	0	0	0	0
S_{11}	0	0	0	1	1	1	1	1	1	0	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	0	0	0	0	0	0	0	0	0
S_{12}	1	1	1	0	0	0	1	1	1	0	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	0	0	0	0	0	0	0	0	0
S_{13}	0	0	0	0	0	0	0	0	0	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	0	0	0	0	0	0	0	0	0
S_{14}	1	1	1	1	1	1	1	1	1	1	1	1	0	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
S_{15}	1	1	1	1	1	1	1	1	1	1	1	1	1	0	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
S_{16}	1	1	1	1	1	1	1	1	1	1	0	0	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	0	1	1	1	1	1	1	1
S_{17}	1	1	1	1	1	1	1	1	1	1	1	1	1	1	0	1	1	1	0	1	1	1	1	1	1	1	1	1	1	0	1	1	1	1	1	1
S_{18}	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	0	1	1	1	1	1	1	1	1	1	1	1	1	1	1	0	1	1	1	1	1
S_{19}	1	1	1	1	1	1	1	1	1	1	1	1	1	0	0	1	0	1	1	1	1	1	1	1	1	1	1	1	1	1	1	0	1	1	1	1
S_{20}	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	0	1	1	0	1	1	1	1	1	1	1	1	1	1	1	1	1	0	1	1	1
S_{21}	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	0	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	0	1	1
S_{22}	1	1	1	1	1	1	1	1	1	1	1	1	1	0	1	1	0	0	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	0	1
S_{23}	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	0	1	1	1	1	1	1	1	1	1	1	1	0	1	1	1	1	1
S_{24}	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	0	1	1	1	1	1	1	1	1	1	0	1	1	1	1	1	1
S_{25}	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	0	0	1	1	1	1	1	1	1	1	0	1	1	1	1	1	1
S_{26}	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	0	1	1	1	1	1	1	1	1	1	1	1	1	1	1
S_{27}	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	0	1	1	1	1	1	1	1	1	1	1	1	1	1
S_{28}	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	0	0	1	1	1	1	1	1	1	1	1	1	1	1	1
S_{29}	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	0	1	1	1	1	1	1	1	1	1	1	1	0
S_{30}	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	0	1	1	1	1	1	1	1	1	1	1	0
S_{31}	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	0	1	1	1	1	1	1	1	1	1	0
S_{32}	0	0	0	0	0	0	0	0	0	0	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	0	1	1	1	1	1	1	1	1	1
S_{33}	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	1	1	1	1	1	1	1	1	1	1	1	1	0	1	1	1	1	1	1	1	1
S_{34}	0	0	0	0	0	0	0	0	0	0	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	0	1	1	1	1	1	1	1
S_{35}	0	0	0	0	0	0	0	0	0	0	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	0	1	1	1	1	1	1
S_{36}	0	0	0	0	0	0	0	0	0	0	1	1	1	0	0	0	1	1	1	1	1	1	1	1	1	1	1	1	1	1	0	1	1	1	1	1
S_{37}	0	0	0	0	0	0	0	0	0	0	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	0	1	1	1	1
S_{38}	0	0	0	0	0	0	0	0	0	0	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	0	1	1	1
S_{39}	0	0	0	0	0	0	0	0	0	0	1	1	1	1	1	1	1	1	0	0	0	1	1	1	1	1	1	1	1	1	1	1	1	0	1	1
S_{40}	0	0	0	0	0	0	0	0	0	0	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	0	0	0	1	1	1	1	1	1

SI =

	$\bar{\bar{y}}_1$	$\bar{\bar{y}}_2$	S_6	S_7	S_8	S_9	S_{10}	S_{11}	S_{12}	S_{13}	S_{14}	S_{15}	S_{16}	S_{17}	S_{18}	S_{19}	S_{20}	S_{21}	S_{22}	S_{23}	S_{24}	S_{25}	S_{26}	S_{27}	S_{28}	S_{29}	S_{30}	S_{31}	S_{32}	S_{33}	S_{34}	S_{35}	S_{36}	S_{37}	S_{38}	S_{39}	S_{40}
$\bar{\bar{y}}_1$	1	0	0	1	1	1	0	0	1	0	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	0	0	0	0	0	0	0	0	0
$\bar{\bar{y}}_2$	0	1	0	1	1	1	0	0	1	0	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	0	0	0	0	0	0	0	0	0
S_6	0	0	1	1	1	1	1	0	1	0	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	0	0	0	0	0	0	0	0	0
S_7	1	1	1	1	1	0	1	1	0	0	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	0	0	0	0	0	0	0	0	0
S_8	1	1	1	1	1	0	1	1	0	0	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	0	0	0	0	0	0	0	0	0
S_9	1	1	1	0	0	1	1	1	0	0	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	0	0	0	0	0	0	0	0	0
S_{10}	0	0	1	1	1	1	1	1	1	0	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	0	0	0	0	0	0	0	0	0
S_{11}	0	0	0	1	1	1	1	1	1	0	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	0	0	0	0	0	0	0	0	0
S_{12}	1	1	1	0	0	0	1	1	1	0	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	0	0	0	0	0	0	0	0	0
S_{13}	0	0	0	0	0	0	0	0	0	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	0	0	0	0	0	0	0	0	0
S_{14}	1	1	1	1	1	1	1	1	1	1	1	1	0	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
S_{15}	1	1	1	1	1	1	1	1	1	1	1	1	1	0	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
S_{16}	1	1	1	1	1	1	1	1	1	1	0	0	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	0	1	1	1	1	1	1	1
S_{17}	1	1	1	1	1	1	1	1	1	1	1	1	1	1	0	1	1	1	0	1	1	1	1	1	1	1	1	1	1	0	1	1	1	1	1	1
S_{18}	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	0	1	1	1	1	1	1	1	1	1	1	1	1	1	1	0	1	1	1	1	1
S_{19}	1	1	1	1	1	1	1	1	1	1	1	1	1	0	0	1	0	1	1	1	1	1	1	1	1	1	1	1	1	1	1	0	1	1	1	1
S_{20}	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	0	1	0	1	1	0	1	1	1	1	1	1	1	1	1	1	1	0	1	1	1
S_{21}	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	0	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	0	1	1
S_{22}	1	1	1	1	1	1	1	1	1	1	1	1	1	0	1	1	0	0	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	0	1
S_{23}	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	0	1	1	1	1	1	1	1	1	1	1	1	0	1	1	1	1	1
S_{24}	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	0	1	1	1	1	1	1	1	1	1	0	1	1	1	1	1	1
S_{25}	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	0	0	1	1	1	1	1	1	1	1	0	1	1	1	1	1	1
S_{26}	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	0	1	1	1	1	1	1	1	1	1	1	1	1	1	1
S_{27}	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	0	1	1	1	1	1	1	1	1	1	1	1	1	1
S_{28}	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	0	0	1	1	1	1	1	1	1	1	1	1	1	1	1
S_{29}	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	0	1	1	1	1	1	1	1	1	1	1	1	0
S_{30}	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	0	1	1	1	1	1	1	1	1	1	1	0
S_{31}	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	0	1	1	1	1	1	1	1	1	1	0
S_{32}	0	0	0	0	0	0	0	0	0	0	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	0	1	1	1	1	1	1	1	1	1
S_{33}	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	1	1	1	1	1	1	1	1	1	1	1	1	0	1	1	1	1	1	1	1	1
S_{34}	0	0	0	0	0	0	0	0	0	0	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	0	1	1	1	1	1	1	1
S_{35}	0	0	0	0	0	0	0	0	0	0	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	0	1	1	1	1	1	1
S_{36}	0	0	0	0	0	0	0	0	0	0	1	1	1	0	0	0	1	1	1	1	1	1	1	1	1	1	1	1	1	1	0	1	1	1	1	1
S_{37}	0	0	0	0	0	0	0	0	0	0	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	0	1	1	1	1
S_{38}	0	0	0	0	0	0	0	0	0	0	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	0	1	1	1
S_{39}	0	0	0	0	0	0	0	0	0	0	1	1	1	1	1	1	1	1	0	0	0	1	1	1	1	1	1	1	1	1	1	1	1	0	1	1
S_{40}	0	0	0	0	0	0	0	0	0	0	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	0	0	0	1	1	1	1	1	1

Проверка условия приводимости программы к ППФ (5 из 500):

1)$\bar{\bar{y}}_1 \nrightarrow S_7$

2)$\bar{\bar{y}}_2$

$E(\bar{\bar{y}}_1) = \{\bar{\bar{y}}_2, S_6, S_{10}, S_{11}, S_{13}, S_{32}, S_{33}, S_{34}, S_{35}, S_{36}, S_{37}, S_{38}, S_{39}, S_{40}\}$

$E(S_7) = \{S_9, S_{12}, S_{13}, S_{32}, S_{33}, S_{34}, S_{35}, S_{36}, S_{37}, S_{38}, S_{39}, S_{40}\}$

$N_1(\bar{\bar{y}}_1, S_7) = \{S_{13}, S_{32}, S_{33}, S_{34}, S_{35}, S_{36}, S_{37}, S_{38}, S_{39}, S_{40}\}$

$N_2(\bar{\bar{y}}_1, S_7) = \{\bar{\bar{y}}_2, S_6, S_{10}, S_{11}, S_9, S_{12}\}$

$E(\bar{\bar{y}}_2) = \{S_6, S_{10}, S_{11}, S_{13}, S_{32}, S_{33}, S_{34}, S_{35}, S_{36}, S_{37}, S_{38}, S_{39}, S_{40}\}$

$\bar{\bar{y}}_2 \in N_2(\bar{\bar{y}}_1, S_7)$ – выполняется

$N_1(\bar{\bar{y}}_1, S_7) \subseteq E(\bar{\bar{y}}_2)$ – выполняется

выполняется

1)$\bar{\bar{y}}_1 \nrightarrow S_8$

2)$\bar{\bar{y}}_2$

$E(\bar{\bar{y}}_1) = \{\bar{\bar{y}}_2, S_6, S_{10}, S_{11}, S_{13}, S_{32}, S_{33}, S_{34}, S_{35}, S_{36}, S_{37}, S_{38}, S_{39}, S_{40}\}$

$E(S_8) = \{S_9, S_{12}, S_{13}, S_{32}, S_{33}, S_{34}, S_{35}, S_{36}, S_{37}, S_{38}, S_{39}, S_{40}\}$

$N_1(\bar{\bar{y}}_1, S_8) = \{S_{13}, S_{32}, S_{33}, S_{34}, S_{35}, S_{36}, S_{37}, S_{38}, S_{39}, S_{40}\}$

$N_2(\bar{\bar{y}}_1, S_8) = \{\bar{\bar{y}}_2, S_6, S_{10}, S_{11}, S_9, S_{12}\}$

$E(\bar{\bar{y}}_2) = \{S_6, S_{10}, S_{11}, S_{13}, S_{32}, S_{33}, S_{34}, S_{35}, S_{36}, S_{37}, S_{38}, S_{39}, S_{40}\}$

$\bar{\bar{y}}_2 \in N_2(\bar{\bar{y}}_1, S_8)$ – выполняется
$N_1(\bar{\bar{y}}_1, S_8) \subseteq E(\bar{\bar{y}}_2)$ – выполняется
выполняется

1)$\bar{\bar{y}}_1 \nrightarrow S_9$
2)$\bar{\bar{y}}_2$
$E(\bar{\bar{y}}_1) = \{\bar{\bar{y}}_2, S_6, S_{10}, S_{11}, S_{13}, S_{32}, S_{33}, S_{34}, S_{35}, S_{36}, S_{37}, S_{38}, S_{39}, S_{40}\}$
$E(S_9) = \{S_{12}, S_{13}, S_{32}, S_{33}, S_{34}, S_{35}, S_{36}, S_{37}, S_{38}, S_{39}, S_{40}\}$
$N_1(\bar{\bar{y}}_1, S_9) = \{S_{13}, S_{32}, S_{33}, S_{34}, S_{35}, S_{36}, S_{37}, S_{38}, S_{39}, S_{40}\}$
$N_2(\bar{\bar{y}}_1, S_9) = \{\bar{\bar{y}}_2, S_6, S_{10}, S_{11}, S_{12}\}$
$E(\bar{\bar{y}}_2) = \{S_6, S_{10}, S_{11}, S_{13}, S_{32}, S_{33}, S_{34}, S_{35}, S_{36}, S_{37}, S_{38}, S_{39}, S_{40}\}$
$\bar{\bar{y}}_2 \in N_2(\bar{\bar{y}}_1, S_9)$ – выполняется
$N_1(\bar{\bar{y}}_1, S_9) \subseteq E(\bar{\bar{y}}_2)$ – выполняется
выполняется

1)$\bar{\bar{y}}_1 \nrightarrow S_{12}$
2)$\bar{\bar{y}}_2$
$E(\bar{\bar{y}}_1) = \{\bar{\bar{y}}_2, S_6, S_{10}, S_{11}, S_{13}, S_{32}, S_{33}, S_{34}, S_{35}, S_{36}, S_{37}, S_{38}, S_{39}, S_{40}\}$
$E(S_{12}) = \{S_{13}, S_{32}, S_{33}, S_{34}, S_{35}, S_{36}, S_{37}, S_{38}, S_{39}, S_{40}\}$
$N_1(\bar{\bar{y}}_1, S_{12}) = \{S_{13}, S_{32}, S_{33}, S_{34}, S_{35}, S_{36}, S_{37}, S_{38}, S_{39}, S_{40}\}$
$N_2(\bar{\bar{y}}_1, S_{12}) = \{\bar{\bar{y}}_2, S_6, S_{10}, S_{11}\}$
$E(\bar{\bar{y}}_2) = \{S_6, S_{10}, S_{11}, S_{13}, S_{32}, S_{33}, S_{34}, S_{35}, S_{36}, S_{37}, S_{38}, S_{39}, S_{40}\}$
$\bar{\bar{y}}_2 \in N_2(\bar{\bar{y}}_1, S_{12})$ – выполняется
$N_1(\bar{\bar{y}}_1, S_{12}) \subseteq E(\bar{\bar{y}}_2)$ – выполняется
выполняется

1)$\bar{\bar{y}}_1 \nrightarrow S_{14}$
2)$\bar{\bar{y}}_2$
$E(\bar{\bar{y}}_1) = \{\bar{\bar{y}}_2, S_6, S_{10}, S_{11}, S_{13}, S_{32}, S_{33}, S_{34}, S_{35}, S_{36}, S_{37}, S_{38}, S_{39}, S_{40}\}$
$E(S_{14}) = \{S_{16}, S_{33}\}$
$N_1(\bar{\bar{y}}_1, S_{14}) = \{S_{33}\}$
$N_2(\bar{\bar{y}}_1, S_{14}) = \{\bar{\bar{y}}_2, S_6, S_{10}, S_{11}, S_{13}, S_{32}, S_{34}, S_{35}, S_{36}, S_{37}, S_{38}, S_{39}, S_{40}, S_{16}\}$
$E(\bar{\bar{y}}_2) = \{S_6, S_{10}, S_{11}, S_{13}, S_{32}, S_{33}, S_{34}, S_{35}, S_{36}, S_{37}, S_{38}, S_{39}, S_{40}\}$
$\bar{\bar{y}}_2 \in N_2(\bar{\bar{y}}_1, S_{14})$ – выполняется
$N_1(\bar{\bar{y}}_1, S_{14}) \subseteq E(\bar{\bar{y}}_2)$ – выполняется
выполняется
На текущей итерации был выделен параллллельный групповой оператор $\bar{\bar{y}}_3 = \{S_6, S_7, S_8\}$

Итерация №4

Отношения между операторами:

SD =

	$\bar{\bar{y}}_1$	$\bar{\bar{y}}_2$	$\bar{\bar{y}}_3$	S_9	S_{10}	S_{11}	S_{12}	S_{13}	S_{14}	S_{15}	S_{16}	S_{17}	S_{18}	S_{19}	S_{20}	S_{21}	S_{22}	S_{23}	S_{24}	S_{25}	S_{26}	S_{27}	S_{28}	S_{29}	S_{30}	S_{31}	S_{32}	S_{33}	S_{34}	S_{35}	S_{36}	S_{37}	S_{38}	S_{39}	S_{40}
$\bar{\bar{y}}_1$	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
$\bar{\bar{y}}_2$	0	0	1	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0
$\bar{\bar{y}}_3$	0	0	0	1	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	1	0	0	0
S_9	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0
S_{10}	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
S_{11}	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
S_{12}	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
S_{13}	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	1	1	1	1	1	1	1
S_{14}	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
S_{15}	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
S_{16}	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0
S_{17}	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
S_{18}	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
S_{19}	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0
S_{20}	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
S_{21}	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
S_{22}	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0
S_{23}	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
S_{24}	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
S_{25}	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0
S_{26}	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0
S_{27}	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0
S_{28}	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
S_{29}	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0
S_{30}	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0
S_{31}	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1
S_{32}	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
S_{33}	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
S_{34}	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
S_{35}	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
S_{36}	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
S_{37}	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
S_{38}	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
S_{39}	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
S_{40}	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0

WD =

	$\bar{\bar{y}}_1$	$\bar{\bar{y}}_2$	$\bar{\bar{y}}_3$	S_9	S_{10}	S_{11}	S_{12}	S_{13}	S_{14}	S_{15}	S_{16}	S_{17}	S_{18}	S_{19}	S_{20}	S_{21}	S_{22}	S_{23}	S_{24}	S_{25}	S_{26}	S_{27}	S_{28}	S_{29}	S_{30}	S_{31}	S_{32}	S_{33}	S_{34}	S_{35}	S_{36}	S_{37}	S_{38}	S_{39}	S_{40}
$\bar{\bar{y}}_1$	0	1	1	1	1	1	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	1	1	1	1	1	1	1
$\bar{\bar{y}}_2$	0	0	1	1	1	1	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	1	1	1	1	1	1	1
$\bar{\bar{y}}_3$	0	0	0	1	0	1	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	1	1	1	1	1	1	1
S_9	0	0	0	0	0	0	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	1	1	1	1	1	1	1
S_{10}	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	1	1	1	1	1	1	1
S_{11}	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	1	1	1	1	1	1	1
S_{12}	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	1	1	1	1	1	1	1
S_{13}	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	1	1	1	1	1	1	1
S_{14}	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0
S_{15}	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0
S_{16}	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0
S_{17}	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0
S_{18}	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0
S_{19}	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0
S_{20}	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0
S_{21}	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0
S_{22}	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0
S_{23}	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0
S_{24}	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0
S_{25}	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0
S_{26}	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0
S_{27}	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0
S_{28}	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1
S_{29}	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	1
S_{30}	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	1
S_{31}	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1
S_{32}	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
S_{33}	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
S_{34}	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
S_{35}	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
S_{36}	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
S_{37}	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
S_{38}	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
S_{39}	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
S_{40}	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0

C =

	$\bar{\bar{y}}_1$	$\bar{\bar{y}}_2$	$\bar{\bar{y}}_3$	S_9	S_{10}	S_{11}	S_{12}	S_{13}	S_{14}	S_{15}	S_{16}	S_{17}	S_{18}	S_{19}	S_{20}	S_{21}	S_{22}	S_{23}	S_{24}	S_{25}	S_{26}	S_{27}	S_{28}	S_{29}	S_{30}	S_{31}	S_{32}	S_{33}	S_{34}	S_{35}	S_{36}	S_{37}	S_{38}	S_{39}	S_{40}
$\bar{\bar{y}}_1$	1	0	0	0	0	0	0	0	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	0	0	0	0	0	0	0	0	0
$\bar{\bar{y}}_2$	0	1	0	0	0	0	0	0	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	0	0	0	0	0	0	0	0	0
$\bar{\bar{y}}_3$	0	0	1	0	1	0	0	0	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	0	0	0	0	0	0	0	0	0
S_9	0	0	0	1	1	1	0	0	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	0	0	0	0	0	0	0	0	0
S_{10}	0	0	1	1	1	1	1	0	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	0	0	0	0	0	0	0	0	0
S_{11}	0	0	0	1	1	1	1	0	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	0	0	0	0	0	0	0	0	0
S_{12}	0	0	0	0	1	1	1	0	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	0	0	0	0	0	0	0	0	0
S_{13}	0	0	0	0	0	0	0	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	0	0	0	0	0	0	0	0	0
S_{14}	1	1	1	1	1	1	1	1	1	1	0	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	0	1	1	1	1	1	1	1
S_{15}	1	1	1	1	1	1	1	1	1	1	0	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	0	1	1	1	1	1	1	1
S_{16}	1	1	1	1	1	1	1	1	0	0	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	0	1	1	1	1	1	1	1
S_{17}	1	1	1	1	1	1	1	1	1	1	1	1	1	0	1	1	0	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
S_{18}	1	1	1	1	1	1	1	1	1	1	1	1	1	1	0	1	1	1	1	1	1	1	1	1	1	1	1	0	1	1	1	1	1	1
S_{19}	1	1	1	1	1	1	1	1	1	1	1	0	0	1	0	1	1	1	1	1	1	1	1	1	1	1	1	1	0	1	1	1	1	1
S_{20}	1	1	1	1	1	1	1	1	1	1	1	1	1	0	1	1	0	1	1	1	1	1	1	1	1	1	1	1	1	0	1	1	1	1
S_{21}	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	0	1	1	1	1	1	1	1	1	1	1	1	1	1	0	1	1	1
S_{22}	1	1	1	1	1	1	1	1	1	1	1	0	1	1	0	0	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	0	1	1
S_{23}	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	0	1	1	1	1	1	1	1	0	1	1	1	1	0	1
S_{24}	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	0	1	1	1	1	1	1	1	0	1	1	1	1	1
S_{25}	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	0	0	1	1	1	1	1	1	1	1	0	1	1	1	1	1	1
S_{26}	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	0	1	1	1	1	1	1	1	1	1	1	1	1
S_{27}	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	0	1	1	1	1	1	1	1	1	1	1	1
S_{28}	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	0	0	1	1	1	1	1	1	1	1	1	1	1	1	1
S_{29}	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	0	1	1	1	1	1	1	1	1	1	0
S_{30}	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	0	1	1	1	1	1	1	1	1	0
S_{31}	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	0	1	1	1	1	1	1	1	0
S_{32}	0	0	0	0	0	0	0	0	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	0	1	1	1	1	1	1	1
S_{33}	0	0	0	0	0	0	0	0	0	0	0	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	0	1	1	1	1	1	1
S_{34}	0	0	0	0	0	0	0	0	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	0	1	1	1	1	1
S_{35}	0	0	0	0	0	0	0	0	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	0	1	1	1	1
S_{36}	0	0	0	0	0	0	0	0	1	1	1	0	0	0	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	0	1	1	1
S_{37}	0	0	0	0	0	0	0	0	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	0	1	1
S_{38}	0	0	0	0	0	0	0	0	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	0	1
S_{39}	0	0	0	0	0	0	0	0	1	1	1	1	1	1	0	0	0	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
S_{40}	0	0	0	0	0	0	0	0	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	0	0	0	1	1	1	1	1	1	1	1

SI =

	$\bar{\bar{y}}_1$	$\bar{\bar{y}}_2$	$\bar{\bar{y}}_3$	S_9	S_{10}	S_{11}	S_{12}	S_{13}	S_{14}	S_{15}	S_{16}	S_{17}	S_{18}	S_{19}	S_{20}	S_{21}	S_{22}	S_{23}	S_{24}	S_{25}	S_{26}	S_{27}	S_{28}	S_{29}	S_{30}	S_{31}	S_{32}	S_{33}	S_{34}	S_{35}	S_{36}	S_{37}	S_{38}	S_{39}	S_{40}
$\bar{\bar{y}}_1$	1	0	0	0	0	0	0	0	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	0	0	0	0	0	0	0	0	0
$\bar{\bar{y}}_2$	0	1	0	0	0	0	0	0	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	0	0	0	0	0	0	0	0	0
$\bar{\bar{y}}_3$	0	0	1	0	1	0	0	0	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	0	0	0	0	0	0	0	0	0
S_9	0	0	0	1	1	1	0	0	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	0	0	0	0	0	0	0	0	0
S_{10}	0	0	1	1	1	1	1	0	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	0	0	0	0	0	0	0	0	0
S_{11}	0	0	0	1	1	1	1	0	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	0	0	0	0	0	0	0	0	0
S_{12}	0	0	0	0	1	1	1	0	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	0	0	0	0	0	0	0	0	0
S_{13}	0	0	0	0	0	0	0	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	0	0	0	0	0	0	0	0	0
S_{14}	1	1	1	1	1	1	1	1	1	1	0	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	0	1	1	1	1	1	1	1
S_{15}	1	1	1	1	1	1	1	1	1	1	0	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	0	1	1	1	1	1	1	1
S_{16}	1	1	1	1	1	1	1	1	0	0	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	0	1	1	1	1	1	1	1
S_{17}	1	1	1	1	1	1	1	1	1	1	1	1	1	0	0	1	0	1	1	1	1	1	1	1	1	1	1	1	1	1	0	1	1	1
S_{18}	1	1	1	1	1	1	1	1	1	1	1	1	1	1	0	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	0	1	1	1
S_{19}	1	1	1	1	1	1	1	1	1	1	1	0	0	1	0	1	1	1	1	1	1	1	1	1	1	1	1	1	0	1	1	1	1	1
S_{20}	1	1	1	1	1	1	1	1	1	1	1	0	1	0	1	1	0	1	1	1	1	1	1	1	1	1	1	1	1	0	1	1	1	1
S_{21}	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	0	1	1	1	1	1	1	1	1	1	1	1	1	1	0	1	1	1
S_{22}	1	1	1	1	1	1	1	1	1	1	1	0	1	1	0	0	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	0	1	1
S_{23}	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	0	1	1	1	1	1	1	1	0	1	1	1	1	1	1
S_{24}	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	0	1	1	1	1	1	1	1	0	1	1	1	1	1
S_{25}	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	0	0	1	1	1	1	1	1	1	1	0	1	1	1	1	1	1
S_{26}	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	0	1	1	1	1	1	1	1	1	1	1	1	1
S_{27}	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	0	1	1	1	1	1	1	1	1	1	1	1
S_{28}	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	0	0	1	1	1	1	1	1	1	1	1	1	1	1	1
S_{29}	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	0	1	1	1	1	1	1	1	1	1	0
S_{30}	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	0	1	1	1	1	1	1	1	1	0
S_{31}	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	0	1	1	1	1	1	1	1	0
S_{32}	0	0	0	0	0	0	0	0	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	0	1	1	1	1	1	1	1
S_{33}	0	0	0	0	0	0	0	0	0	0	0	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	0	1	1	1	1	1	1
S_{34}	0	0	0	0	0	0	0	0	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	0	1	1	1	1	1
S_{35}	0	0	0	0	0	0	0	0	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	0	1	1	1	1
S_{36}	0	0	0	0	0	0	0	0	1	1	1	0	0	0	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	0	1	1	1
S_{37}	0	0	0	0	0	0	0	0	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	0	1	1
S_{38}	0	0	0	0	0	0	0	0	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	0	1
S_{39}	0	0	0	0	0	0	0	0	1	1	1	1	1	1	0	0	0	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
S_{40}	0	0	0	0	0	0	0	0	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	0	0	0	1	1	1	1	1	1	1	1

Проверка условия приводимости программы к ППФ (5 из 449):

$1)\bar{\bar{y}}_1 \nrightarrow S_{14}$

$2)\bar{\bar{y}}_2$

$E(\bar{\bar{y}}_1) = \{\bar{\bar{y}}_2, \bar{\bar{y}}_3, S_9, S_{10}, S_{11}, S_{12}, S_{13}, S_{32}, S_{33}, S_{34}, S_{35}, S_{36}, S_{37}, S_{38}, S_{39}, S_{40}\}$

$E(S_{14}) = \{S_{16}, S_{33}\}$

$N_1(\bar{\bar{y}}_1, S_{14}) = \{S_{33}\}$

$N_2(\bar{\bar{y}}_1, S_{14}) = \{\bar{\bar{y}}_2, \bar{\bar{y}}_3, S_9, S_{10}, S_{11}, S_{12}, S_{13}, S_{32}, S_{34}, S_{35}, S_{36}, S_{37}, S_{38}, S_{39}, S_{40}, S_{16}\}$

$E(\bar{\bar{y}}_2) = \{\bar{\bar{y}}_3, S_9, S_{10}, S_{11}, S_{12}, S_{13}, S_{32}, S_{33}, S_{34}, S_{35}, S_{36}, S_{37}, S_{38}, S_{39}, S_{40}\}$

$\bar{\bar{y}}_2 \in N_2(\bar{\bar{y}}_1, S_{14})$ – выполняется

$N_1(\bar{\bar{y}}_1, S_{14}) \subseteq E(\bar{\bar{y}}_2)$ – выполняется

выполняется

$1)\bar{\bar{y}}_1 \nrightarrow S_{15}$

$2)\bar{\bar{y}}_2$

$E(\bar{\bar{y}}_1) = \{\bar{\bar{y}}_2, \bar{\bar{y}}_3, S_9, S_{10}, S_{11}, S_{12}, S_{13}, S_{32}, S_{33}, S_{34}, S_{35}, S_{36}, S_{37}, S_{38}, S_{39}, S_{40}\}$

$E(S_{15}) = \{S_{16}, S_{33}\}$

$N_1(\bar{\bar{y}}_1, S_{15}) = \{S_{33}\}$

$N_2(\bar{\bar{y}}_1, S_{15}) = \{\bar{\bar{y}}_2, \bar{\bar{y}}_3, S_9, S_{10}, S_{11}, S_{12}, S_{13}, S_{32}, S_{34}, S_{35}, S_{36}, S_{37}, S_{38}, S_{39}, S_{40}, S_{16}\}$

$E(\bar{\bar{y}}_2) = \{\bar{\bar{y}}_3, S_9, S_{10}, S_{11}, S_{12}, S_{13}, S_{32}, S_{33}, S_{34}, S_{35}, S_{36}, S_{37}, S_{38}, S_{39}, S_{40}\}$

$\bar{\bar{y}}_2 \in N_2(\bar{\bar{y}}_1, S_{15})$ – выполняется
$N_1(\bar{\bar{y}}_1, S_{15}) \subseteq E(\bar{\bar{y}}_2)$ – выполняется
выполняется

1)$\bar{\bar{y}}_1 \nrightarrow S_{16}$
2)$\bar{\bar{y}}_2$
$E(\bar{\bar{y}}_1) = \{\bar{\bar{y}}_2, \bar{\bar{y}}_3, S_9, S_{10}, S_{11}, S_{12}, S_{13}, S_{32}, S_{33}, S_{34}, S_{35}, S_{36}, S_{37}, S_{38}, S_{39}, S_{40}\}$
$E(S_{16}) = \{S_{33}\}$
$N_1(\bar{\bar{y}}_1, S_{16}) = \{S_{33}\}$
$N_2(\bar{\bar{y}}_1, S_{16}) = \{\bar{\bar{y}}_2, \bar{\bar{y}}_3, S_9, S_{10}, S_{11}, S_{12}, S_{13}, S_{32}, S_{34}, S_{35}, S_{36}, S_{37}, S_{38}, S_{39}, S_{40}\}$
$E(\bar{\bar{y}}_2) = \{\bar{\bar{y}}_3, S_9, S_{10}, S_{11}, S_{12}, S_{13}, S_{32}, S_{33}, S_{34}, S_{35}, S_{36}, S_{37}, S_{38}, S_{39}, S_{40}\}$
$\bar{\bar{y}}_2 \in N_2(\bar{\bar{y}}_1, S_{16})$ – выполняется
$N_1(\bar{\bar{y}}_1, S_{16}) \subseteq E(\bar{\bar{y}}_2)$ – выполняется
выполняется

1)$\bar{\bar{y}}_1 \nrightarrow S_{17}$
2)$\bar{\bar{y}}_2$
$E(\bar{\bar{y}}_1) = \{\bar{\bar{y}}_2, \bar{\bar{y}}_3, S_9, S_{10}, S_{11}, S_{12}, S_{13}, S_{32}, S_{33}, S_{34}, S_{35}, S_{36}, S_{37}, S_{38}, S_{39}, S_{40}\}$
$E(S_{17}) = \{S_{19}, S_{36}\}$
$N_1(\bar{\bar{y}}_1, S_{17}) = \{S_{36}\}$
$N_2(\bar{\bar{y}}_1, S_{17}) = \{\bar{\bar{y}}_2, \bar{\bar{y}}_3, S_9, S_{10}, S_{11}, S_{12}, S_{13}, S_{32}, S_{33}, S_{34}, S_{35}, S_{37}, S_{38}, S_{39}, S_{40}, S_{19}\}$
$E(\bar{\bar{y}}_2) = \{\bar{\bar{y}}_3, S_9, S_{10}, S_{11}, S_{12}, S_{13}, S_{32}, S_{33}, S_{34}, S_{35}, S_{36}, S_{37}, S_{38}, S_{39}, S_{40}\}$
$\bar{\bar{y}}_2 \in N_2(\bar{\bar{y}}_1, S_{17})$ – выполняется
$N_1(\bar{\bar{y}}_1, S_{17}) \subseteq E(\bar{\bar{y}}_2)$ – выполняется
выполняется

1)$\bar{\bar{y}}_1 \nrightarrow S_{18}$
2)$\bar{\bar{y}}_2$
$E(\bar{\bar{y}}_1) = \{\bar{\bar{y}}_2, \bar{\bar{y}}_3, S_9, S_{10}, S_{11}, S_{12}, S_{13}, S_{32}, S_{33}, S_{34}, S_{35}, S_{36}, S_{37}, S_{38}, S_{39}, S_{40}\}$
$E(S_{18}) = \{S_{19}, S_{36}\}$
$N_1(\bar{\bar{y}}_1, S_{18}) = \{S_{36}\}$
$N_2(\bar{\bar{y}}_1, S_{18}) = \{\bar{\bar{y}}_2, \bar{\bar{y}}_3, S_9, S_{10}, S_{11}, S_{12}, S_{13}, S_{32}, S_{33}, S_{34}, S_{35}, S_{37}, S_{38}, S_{39}, S_{40}, S_{19}\}$
$E(\bar{\bar{y}}_2) = \{\bar{\bar{y}}_3, S_9, S_{10}, S_{11}, S_{12}, S_{13}, S_{32}, S_{33}, S_{34}, S_{35}, S_{36}, S_{37}, S_{38}, S_{39}, S_{40}\}$
$\bar{\bar{y}}_2 \in N_2(\bar{\bar{y}}_1, S_{18})$ – выполняется
$N_1(\bar{\bar{y}}_1, S_{18}) \subseteq E(\bar{\bar{y}}_2)$ – выполняется
выполняется
На текущей итерации был выделен параллллельный групповой оператор $\bar{\bar{y}}_4 = \{S_9, S_{10}, S_{11}\}$

Итерация №5

Отношения между операторами:

SD =

	$\bar{\bar{y}}_1$	$\bar{\bar{y}}_2$	$\bar{\bar{y}}_3$	$\bar{\bar{y}}_4$	S_{12}	S_{13}	S_{14}	S_{15}	S_{16}	S_{17}	S_{18}	S_{19}	S_{20}	S_{21}	S_{22}	S_{23}	S_{24}	S_{25}	S_{26}	S_{27}	S_{28}	S_{29}	S_{30}	S_{31}	S_{32}	S_{33}	S_{34}	S_{35}	S_{36}	S_{37}	S_{38}	S_{39}	S_{40}
$\bar{\bar{y}}_1$	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
$\bar{\bar{y}}_2$	0	0	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0
$\bar{\bar{y}}_3$	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	1	0	0
$\bar{\bar{y}}_4$	0	0	0	0	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0
S_{12}	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
S_{13}	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	1	1	1	1	1	1	1
S_{14}	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
S_{15}	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
S_{16}	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0
S_{17}	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
S_{18}	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
S_{19}	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0
S_{20}	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
S_{21}	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
S_{22}	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0
S_{23}	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0
S_{24}	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0
S_{25}	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0
S_{26}	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0
S_{27}	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0
S_{28}	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
S_{29}	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0
S_{30}	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0
S_{31}	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1
S_{32}	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
S_{33}	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
S_{34}	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
S_{35}	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
S_{36}	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
S_{37}	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
S_{38}	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
S_{39}	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
S_{40}	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0

WD =

	$\bar{\bar{y}}_1$	$\bar{\bar{y}}_2$	$\bar{\bar{y}}_3$	$\bar{\bar{y}}_4$	S_{12}	S_{13}	S_{14}	S_{15}	S_{16}	S_{17}	S_{18}	S_{19}	S_{20}	S_{21}	S_{22}	S_{23}	S_{24}	S_{25}	S_{26}	S_{27}	S_{28}	S_{29}	S_{30}	S_{31}	S_{32}	S_{33}	S_{34}	S_{35}	S_{36}	S_{37}	S_{38}	S_{39}	S_{40}
$\bar{\bar{y}}_1$	0	1	1	1	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	1	1	1	1	1	1	1
$\bar{\bar{y}}_2$	0	0	1	1	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	1	1	1	1	1	1	1
$\bar{\bar{y}}_3$	0	0	0	1	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	1	1	1	1	1	1	1
$\bar{\bar{y}}_4$	0	0	0	0	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	1	1	1	1	1	1	1
S_{12}	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	1	1	1	1	1	1	1
S_{13}	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	1	1	1	1	1	1	1
S_{14}	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0
S_{15}	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0
S_{16}	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0
S_{17}	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0
S_{18}	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0
S_{19}	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0
S_{20}	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0
S_{21}	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0
S_{22}	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0
S_{23}	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	1	0	0	0	0	0	0
S_{24}	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	1	0	0	0	0	0	0
S_{25}	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0
S_{26}	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0
S_{27}	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0
S_{28}	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
S_{29}	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	1
S_{30}	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	1
S_{31}	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1
S_{32}	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
S_{33}	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
S_{34}	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
S_{35}	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
S_{36}	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
S_{37}	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
S_{38}	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
S_{39}	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
S_{40}	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0

C =

	$\bar{\bar{y}}_1$	$\bar{\bar{y}}_2$	$\bar{\bar{y}}_3$	$\bar{\bar{y}}_4$	S_{12}	S_{13}	S_{14}	S_{15}	S_{16}	S_{17}	S_{18}	S_{19}	S_{20}	S_{21}	S_{22}	S_{23}	S_{24}	S_{25}	S_{26}	S_{27}	S_{28}	S_{29}	S_{30}	S_{31}	S_{32}	S_{33}	S_{34}	S_{35}	S_{36}	S_{37}	S_{38}	S_{39}	S_{40}
$\bar{\bar{y}}_1$	1	0	0	0	0	0	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	0	0	0	0	0	0	0	0	0
$\bar{\bar{y}}_2$	0	1	0	0	0	0	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	0	0	0	0	0	0	0	0	0
$\bar{\bar{y}}_3$	0	0	1	0	0	0	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	0	0	0	0	0	0	0	0	0
$\bar{\bar{y}}_4$	0	0	0	1	0	0	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	0	0	0	0	0	0	0	0	0
S_{12}	0	0	0	0	1	0	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	0	0	0	0	0	0	0	0	0
S_{13}	0	0	0	0	0	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	0	0	0	0	0	0	0	0	0
S_{14}	1	1	1	1	1	1	1	1	0	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	0	1	1	1	1	1	1	1
S_{15}	1	1	1	1	1	1	1	1	0	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	0	1	1	1	1	1	1	1
S_{16}	1	1	1	1	1	1	0	0	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	0	1	1	1	1	1	1	1
S_{17}	1	1	1	1	1	1	1	1	1	1	1	0	1	1	0	1	1	1	1	1	1	1	1	1	1	1	1	1	0	1	1	1	1
S_{18}	1	1	1	1	1	1	1	1	1	1	1	1	0	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	0	1	1	1
S_{19}	1	1	1	1	1	1	1	1	1	1	1	1	1	0	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	0	1	1
S_{20}	1	1	1	1	1	1	1	1	1	1	1	0	1	1	0	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	0	1
S_{21}	1	1	1	1	1	1	1	1	1	1	1	1	1	1	0	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
S_{22}	1	1	1	1	1	1	1	1	1	0	1	1	0	0	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	0	1
S_{23}	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	0	1	1	1	1	1	1	1	1	0	1	1	1	1	1	1
S_{24}	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	0	1	1	1	1	1	1	1	1	0	1	1	1	1	1	1
S_{25}	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	0	0	1	1	1	1	1	1	1	1	1	0	1	1	1	1	1	1
S_{26}	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	0	1	1	1	1	1	1	1	1	1	1	1	1	1	1
S_{27}	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	0	1	1	1	1	1	1	1	1	1	1	1	1	1
S_{28}	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	0	0	1	1	1	1	1	1	1	1	1	1	1	1	1
S_{29}	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	0	1	1	1	1	1	1	1	1	0
S_{30}	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	0	1	1	1	1	1	1	1	1	0
S_{31}	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	0	0	1	1	1	1	1	1	1	1	1	0
S_{32}	0	0	0	0	0	0	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
S_{33}	0	0	0	0	0	0	0	0	0	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
S_{34}	0	0	0	0	0	0	1	1	1	1	1	1	1	1	1	0	0	0	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
S_{35}	0	0	0	0	0	0	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
S_{36}	0	0	0	0	0	0	1	1	1	0	0	0	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
S_{37}	0	0	0	0	0	0	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
S_{38}	0	0	0	0	0	0	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
S_{39}	0	0	0	0	0	0	1	1	1	1	1	1	0	0	0	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
S_{40}	0	0	0	0	0	0	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	0	0	0	1	1	1	1	1	1	1	1	1

SI =

	$\bar{\bar{y}}_1$	$\bar{\bar{y}}_2$	$\bar{\bar{y}}_3$	$\bar{\bar{y}}_4$	S_{12}	S_{13}	S_{14}	S_{15}	S_{16}	S_{17}	S_{18}	S_{19}	S_{20}	S_{21}	S_{22}	S_{23}	S_{24}	S_{25}	S_{26}	S_{27}	S_{28}	S_{29}	S_{30}	S_{31}	S_{32}	S_{33}	S_{34}	S_{35}	S_{36}	S_{37}	S_{38}	S_{39}	S_{40}
$\bar{\bar{y}}_1$	1	0	0	0	0	0	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	0	0	0	0	0	0	0	0	0
$\bar{\bar{y}}_2$	0	1	0	0	0	0	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	0	0	0	0	0	0	0	0	0
$\bar{\bar{y}}_3$	0	0	1	0	0	0	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	0	0	0	0	0	0	0	0	0
$\bar{\bar{y}}_4$	0	0	0	1	0	0	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	0	0	0	0	0	0	0	0	0
S_{12}	0	0	0	0	1	0	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	0	0	0	0	0	0	0	0	0
S_{13}	0	0	0	0	0	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	0	0	0	0	0	0	0	0	0
S_{14}	1	1	1	1	1	1	1	1	0	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	0	1	1	1	1	1	1	1
S_{15}	1	1	1	1	1	1	1	1	0	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	0	1	1	1	1	1	1	1
S_{16}	1	1	1	1	1	1	0	0	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	0	1	1	1	1	1	1	1
S_{17}	1	1	1	1	1	1	1	1	1	1	1	0	0	1	0	1	1	1	1	1	1	1	1	1	1	1	1	1	0	1	1	1	1
S_{18}	1	1	1	1	1	1	1	1	1	1	1	1	0	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	0	1	1	1
S_{19}	1	1	1	1	1	1	1	1	1	0	0	1	0	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	0	1	1
S_{20}	1	1	1	1	1	1	1	1	1	0	1	0	1	1	0	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	0	1
S_{21}	1	1	1	1	1	1	1	1	1	1	1	1	1	1	0	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	0	1
S_{22}	1	1	1	1	1	1	1	1	1	0	1	1	0	0	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	0	1
S_{23}	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	0	1	1	1	1	1	1	1	1	0	1	1	1	1	1	1
S_{24}	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	0	1	1	1	1	1	1	1	1	0	1	1	1	1	1	1
S_{25}	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	0	0	1	1	1	1	1	1	1	1	1	0	1	1	1	1	1	1
S_{26}	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	0	1	1	1	1	1	1	1	1	1	1	1	1	1	1
S_{27}	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	0	1	1	1	1	1	1	1	1	1	1	1	1	1
S_{28}	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	0	0	1	1	1	1	1	1	1	1	1	1	1	1	1
S_{29}	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	0	1	1	1	1	1	1	1	1	0
S_{30}	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	0	1	1	1	1	1	1	1	1	0
S_{31}	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	0	0	1	1	1	1	1	1	1	1	1	0
S_{32}	0	0	0	0	0	0	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
S_{33}	0	0	0	0	0	0	0	0	0	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
S_{34}	0	0	0	0	0	0	1	1	1	1	1	1	1	1	1	0	0	0	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
S_{35}	0	0	0	0	0	0	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
S_{36}	0	0	0	0	0	0	1	1	1	0	0	0	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
S_{37}	0	0	0	0	0	0	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
S_{38}	0	0	0	0	0	0	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
S_{39}	0	0	0	0	0	0	1	1	1	1	1	1	0	0	0	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
S_{40}	0	0	0	0	0	0	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	0	0	0	1	1	1	1	1	1	1	1	1

Проверка условия приводимости программы к ППФ (5 из 410):

1)$\bar{\bar{y}}_1 \nrightarrow S_{14}$

2)$\bar{\bar{y}}_2$

$E(\bar{\bar{y}}_1) = \{\bar{\bar{y}}_2, \bar{\bar{y}}_3, \bar{\bar{y}}_4, S_{12}, S_{13}, S_{32}, S_{33}, S_{34}, S_{35}, S_{36}, S_{37}, S_{38}, S_{39}, S_{40}\}$

$E(S_{14}) = \{S_{16}, S_{33}\}$

$N_1(\bar{\bar{y}}_1, S_{14}) = \{S_{33}\}$

$N_2(\bar{\bar{y}}_1, S_{14}) = \{\bar{\bar{y}}_2, \bar{\bar{y}}_3, \bar{\bar{y}}_4, S_{12}, S_{13}, S_{32}, S_{34}, S_{35}, S_{36}, S_{37}, S_{38}, S_{39}, S_{40}, S_{16}\}$

$E(\bar{\bar{y}}_2) = \{\bar{\bar{y}}_3, \bar{\bar{y}}_4, S_{12}, S_{13}, S_{32}, S_{33}, S_{34}, S_{35}, S_{36}, S_{37}, S_{38}, S_{39}, S_{40}\}$

$\bar{\bar{y}}_2 \in N_2(\bar{\bar{y}}_1, S_{14})$ – выполняется

$N_1(\bar{\bar{y}}_1, S_{14}) \subseteq E(\bar{\bar{y}}_2)$ – выполняется

выполняется

1)$\bar{\bar{y}}_1 \nrightarrow S_{15}$

2)$\bar{\bar{y}}_2$

$E(\bar{\bar{y}}_1) = \{\bar{\bar{y}}_2, \bar{\bar{y}}_3, \bar{\bar{y}}_4, S_{12}, S_{13}, S_{32}, S_{33}, S_{34}, S_{35}, S_{36}, S_{37}, S_{38}, S_{39}, S_{40}\}$

$E(S_{15}) = \{S_{16}, S_{33}\}$

$N_1(\bar{\bar{y}}_1, S_{15}) = \{S_{33}\}$

$N_2(\bar{\bar{y}}_1, S_{15}) = \{\bar{\bar{y}}_2, \bar{\bar{y}}_3, \bar{\bar{y}}_4, S_{12}, S_{13}, S_{32}, S_{34}, S_{35}, S_{36}, S_{37}, S_{38}, S_{39}, S_{40}, S_{16}\}$

$E(\bar{\bar{y}}_2) = \{\bar{\bar{y}}_3, \bar{\bar{y}}_4, S_{12}, S_{13}, S_{32}, S_{33}, S_{34}, S_{35}, S_{36}, S_{37}, S_{38}, S_{39}, S_{40}\}$

$\bar{\bar{y}}_2 \in N_2(\bar{\bar{y}}_1, S_{15})$ – выполняется
$N_1(\bar{\bar{y}}_1, S_{15}) \subseteq E(\bar{\bar{y}}_2)$ – выполняется
выполняется

1)$\bar{\bar{y}}_1 \nrightarrow S_{16}$
2)$\bar{\bar{y}}_2$
$E(\bar{\bar{y}}_1) = \{\bar{\bar{y}}_2, \bar{\bar{y}}_3, \bar{\bar{y}}_4, S_{12}, S_{13}, S_{32}, S_{33}, S_{34}, S_{35}, S_{36}, S_{37}, S_{38}, S_{39}, S_{40}\}$
$E(S_{16}) = \{S_{33}\}$
$N_1(\bar{\bar{y}}_1, S_{16}) = \{S_{33}\}$
$N_2(\bar{\bar{y}}_1, S_{16}) = \{\bar{\bar{y}}_2, \bar{\bar{y}}_3, \bar{\bar{y}}_4, S_{12}, S_{13}, S_{32}, S_{34}, S_{35}, S_{36}, S_{37}, S_{38}, S_{39}, S_{40}\}$
$E(\bar{\bar{y}}_2) = \{\bar{\bar{y}}_3, \bar{\bar{y}}_4, S_{12}, S_{13}, S_{32}, S_{33}, S_{34}, S_{35}, S_{36}, S_{37}, S_{38}, S_{39}, S_{40}\}$
$\bar{\bar{y}}_2 \in N_2(\bar{\bar{y}}_1, S_{16})$ – выполняется
$N_1(\bar{\bar{y}}_1, S_{16}) \subseteq E(\bar{\bar{y}}_2)$ – выполняется
выполняется

1)$\bar{\bar{y}}_1 \nrightarrow S_{17}$
2)$\bar{\bar{y}}_2$
$E(\bar{\bar{y}}_1) = \{\bar{\bar{y}}_2, \bar{\bar{y}}_3, \bar{\bar{y}}_4, S_{12}, S_{13}, S_{32}, S_{33}, S_{34}, S_{35}, S_{36}, S_{37}, S_{38}, S_{39}, S_{40}\}$
$E(S_{17}) = \{S_{19}, S_{36}\}$
$N_1(\bar{\bar{y}}_1, S_{17}) = \{S_{36}\}$
$N_2(\bar{\bar{y}}_1, S_{17}) = \{\bar{\bar{y}}_2, \bar{\bar{y}}_3, \bar{\bar{y}}_4, S_{12}, S_{13}, S_{32}, S_{33}, S_{34}, S_{35}, S_{37}, S_{38}, S_{39}, S_{40}, S_{19}\}$
$E(\bar{\bar{y}}_2) = \{\bar{\bar{y}}_3, \bar{\bar{y}}_4, S_{12}, S_{13}, S_{32}, S_{33}, S_{34}, S_{35}, S_{36}, S_{37}, S_{38}, S_{39}, S_{40}\}$
$\bar{\bar{y}}_2 \in N_2(\bar{\bar{y}}_1, S_{17})$ – выполняется
$N_1(\bar{\bar{y}}_1, S_{17}) \subseteq E(\bar{\bar{y}}_2)$ – выполняется
выполняется

1)$\bar{\bar{y}}_1 \nrightarrow S_{18}$
2)$\bar{\bar{y}}_2$
$E(\bar{\bar{y}}_1) = \{\bar{\bar{y}}_2, \bar{\bar{y}}_3, \bar{\bar{y}}_4, S_{12}, S_{13}, S_{32}, S_{33}, S_{34}, S_{35}, S_{36}, S_{37}, S_{38}, S_{39}, S_{40}\}$
$E(S_{18}) = \{S_{19}, S_{36}\}$
$N_1(\bar{\bar{y}}_1, S_{18}) = \{S_{36}\}$
$N_2(\bar{\bar{y}}_1, S_{18}) = \{\bar{\bar{y}}_2, \bar{\bar{y}}_3, \bar{\bar{y}}_4, S_{12}, S_{13}, S_{32}, S_{33}, S_{34}, S_{35}, S_{37}, S_{38}, S_{39}, S_{40}, S_{19}\}$
$E(\bar{\bar{y}}_2) = \{\bar{\bar{y}}_3, \bar{\bar{y}}_4, S_{12}, S_{13}, S_{32}, S_{33}, S_{34}, S_{35}, S_{36}, S_{37}, S_{38}, S_{39}, S_{40}\}$
$\bar{\bar{y}}_2 \in N_2(\bar{\bar{y}}_1, S_{18})$ – выполняется
$N_1(\bar{\bar{y}}_1, S_{18}) \subseteq E(\bar{\bar{y}}_2)$ – выполняется
выполняется
На текущей итерации был выделен параллллельный групповой оператор $\bar{\bar{y}}_5 = \{S_{13}, S_{14}, S_{15}\}$

Итерация №6

Отношения между операторами:

SD =

	$\bar{\bar{y}}_1$	$\bar{\bar{y}}_2$	$\bar{\bar{y}}_3$	$\bar{\bar{y}}_4$	S_{12}	$\bar{\bar{y}}_5$	S_{16}	S_{17}	S_{18}	S_{19}	S_{20}	S_{21}	S_{22}	S_{23}	S_{24}	S_{25}	S_{26}	S_{27}	S_{28}	S_{29}	S_{30}	S_{31}	S_{32}	S_{33}	S_{34}	S_{35}	S_{36}	S_{37}	S_{38}	S_{39}	S_{40}
$\bar{\bar{y}}_1$	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
$\bar{\bar{y}}_2$	0	0	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0
$\bar{\bar{y}}_3$	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	1	0	0	0
$\bar{\bar{y}}_4$	0	0	0	0	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0
S_{12}	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
$\bar{\bar{y}}_5$	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	1	1	1	1	1	1	1	1
S_{16}	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0
S_{17}	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
S_{18}	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
S_{19}	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0
S_{20}	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
S_{21}	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
S_{22}	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0
S_{23}	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
S_{24}	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
S_{25}	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0
S_{26}	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0
S_{27}	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0
S_{28}	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
S_{29}	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0
S_{30}	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0
S_{31}	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1
S_{32}	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
S_{33}	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
S_{34}	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
S_{35}	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
S_{36}	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
S_{37}	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
S_{38}	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
S_{39}	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
S_{40}	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0

WD =

	$\bar{\bar{y}}_1$	$\bar{\bar{y}}_2$	$\bar{\bar{y}}_3$	$\bar{\bar{y}}_4$	S_{12}	$\bar{\bar{y}}_5$	S_{16}	S_{17}	S_{18}	S_{19}	S_{20}	S_{21}	S_{22}	S_{23}	S_{24}	S_{25}	S_{26}	S_{27}	S_{28}	S_{29}	S_{30}	S_{31}	S_{32}	S_{33}	S_{34}	S_{35}	S_{36}	S_{37}	S_{38}	S_{39}	S_{40}
$\bar{\bar{y}}_1$	0	1	1	1	1	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	1	1	1	1	1	1	1
$\bar{\bar{y}}_2$	0	0	1	1	1	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	1	1	1	1	1	1	1
$\bar{\bar{y}}_3$	0	0	0	1	1	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	1	1	1	1	1	1	1
$\bar{\bar{y}}_4$	0	0	0	0	1	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	1	1	1	1	1	1	1
S_{12}	0	0	0	0	0	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	1	1	1	1	1	1	1
$\bar{\bar{y}}_5$	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	1	1	1	1	1	1	1
S_{16}	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0
S_{17}	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0
S_{18}	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0
S_{19}	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0
S_{20}	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0
S_{21}	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0
S_{22}	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0
S_{23}	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0
S_{24}	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0
S_{25}	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0
S_{26}	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0
S_{27}	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0
S_{28}	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
S_{29}	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	1
S_{30}	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	1
S_{31}	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1
S_{32}	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
S_{33}	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
S_{34}	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
S_{35}	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
S_{36}	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
S_{37}	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
S_{38}	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
S_{39}	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
S_{40}	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0

C =

	$\bar{\bar{y}}_1$	$\bar{\bar{y}}_2$	$\bar{\bar{y}}_3$	$\bar{\bar{y}}_4$	S_{12}	$\bar{\bar{y}}_5$	S_{16}	S_{17}	S_{18}	S_{19}	S_{20}	S_{21}	S_{22}	S_{23}	S_{24}	S_{25}	S_{26}	S_{27}	S_{28}	S_{29}	S_{30}	S_{31}	S_{32}	S_{33}	S_{34}	S_{35}	S_{36}	S_{37}	S_{38}	S_{39}	S_{40}
$\bar{\bar{y}}_1$	1	0	0	0	0	0	0	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	0	0	0	0	0	0	0	0	0
$\bar{\bar{y}}_2$	0	1	0	0	0	0	0	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	0	0	0	0	0	0	0	0	0
$\bar{\bar{y}}_3$	0	0	1	0	0	0	0	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	0	0	0	0	0	0	0	0	0
$\bar{\bar{y}}_4$	0	0	0	1	0	0	0	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	0	0	0	0	0	0	0	0	0
S_{12}	0	0	0	0	1	0	0	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	0	0	0	0	0	0	0	0	0
$\bar{\bar{y}}_5$	0	0	0	0	0	1	0	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	0	0	0	0	0	0	0	0	0
S_{16}	0	0	0	0	0	0	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	0	1	1	1	1	1	1	1	1
S_{17}	1	1	1	1	1	1	1	1	1	0	1	1	0	1	1	1	1	1	1	1	1	1	1	1	1	1	0	1	1	1	1
S_{18}	1	1	1	1	1	1	1	1	1	0	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	0	1	1	1	1
S_{19}	1	1	1	1	1	1	1	1	1	1	0	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	0	1	1	1	1
S_{20}	1	1	1	1	1	1	1	1	1	1	1	0	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	0	1
S_{21}	1	1	1	1	1	1	1	1	1	1	1	1	0	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	0	1
S_{22}	1	1	1	1	1	1	1	0	1	1	0	0	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	0	1
S_{23}	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	0	1	1	1	1	1	1	1	1	0	1	1	1	1	1	1
S_{24}	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	0	1	1	1	1	1	1	1	1	0	1	1	1	1	1	1
S_{25}	1	1	1	1	1	1	1	1	1	1	1	1	1	0	0	1	1	1	1	1	1	1	1	0	1	1	1	1	1	1	1
S_{26}	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	0	1	1	1	1	1	1	1	1	1	1	1	1
S_{27}	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	0	1	1	1	1	1	1	1	1	1	1	1	1	1
S_{28}	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	0	0	1	1	1	1	1	1	1	1	1	1	1	1	1
S_{29}	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	0	1	1	1	1	1	1	1	1	1	1	0
S_{30}	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	0	1	1	1	1	1	1	1	1	1	0
S_{31}	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	0	0	1	1	1	1	1	1	1	0
S_{32}	0	0	0	0	0	0	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	0	1	1	1	1	1	1	1	1
S_{33}	0	0	0	0	0	0	0	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	0	1	1	1	1	1	1	1
S_{34}	0	0	0	0	0	0	1	1	1	1	1	1	1	0	0	0	1	1	1	1	1	1	1	1	0	1	1	1	1	1	1
S_{35}	0	0	0	0	0	0	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	0	1	1	1	1	1
S_{36}	0	0	0	0	0	0	1	0	0	0	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	0	1	1	1	1
S_{37}	0	0	0	0	0	0	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	0	1	1	1
S_{38}	0	0	0	0	0	0	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	0	1	1
S_{39}	0	0	0	0	0	0	1	1	1	1	0	0	0	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	0	1
S_{40}	0	0	0	0	0	0	1	1	1	1	1	1	1	1	1	1	1	1	1	0	0	0	1	1	1	1	1	1	1	1	1

SI =

	$\bar{\bar{y}}_1$	$\bar{\bar{y}}_2$	$\bar{\bar{y}}_3$	$\bar{\bar{y}}_4$	S_{12}	$\bar{\bar{y}}_5$	S_{16}	S_{17}	S_{18}	S_{19}	S_{20}	S_{21}	S_{22}	S_{23}	S_{24}	S_{25}	S_{26}	S_{27}	S_{28}	S_{29}	S_{30}	S_{31}	S_{32}	S_{33}	S_{34}	S_{35}	S_{36}	S_{37}	S_{38}	S_{39}	S_{40}
$\bar{\bar{y}}_1$	1	0	0	0	0	0	0	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	0	0	0	0	0	0	0	0	0
$\bar{\bar{y}}_2$	0	1	0	0	0	0	0	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	0	0	0	0	0	0	0	0	0
$\bar{\bar{y}}_3$	0	0	1	0	0	0	0	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	0	0	0	0	0	0	0	0	0
$\bar{\bar{y}}_4$	0	0	0	1	0	0	0	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	0	0	0	0	0	0	0	0	0
S_{12}	0	0	0	0	1	0	0	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	0	0	0	0	0	0	0	0	0
$\bar{\bar{y}}_5$	0	0	0	0	0	1	0	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	0	0	0	0	0	0	0	0	0
S_{16}	0	0	0	0	0	0	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	0	1	1	1	1	1	1	1	1
S_{17}	1	1	1	1	1	1	1	1	1	0	0	1	0	1	1	1	1	1	1	1	1	1	1	1	1	1	0	1	1	1	1
S_{18}	1	1	1	1	1	1	1	1	1	0	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	0	1	1	1	1
S_{19}	1	1	1	1	1	1	1	0	0	1	0	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	0	1	1	1	1
S_{20}	1	1	1	1	1	1	1	0	1	0	1	1	0	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	0	1
S_{21}	1	1	1	1	1	1	1	1	1	1	1	1	0	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	0	1
S_{22}	1	1	1	1	1	1	1	0	1	1	0	0	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	0	1
S_{23}	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	0	1	1	1	1	1	1	1	1	0	1	1	1	1	1	1
S_{24}	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	0	1	1	1	1	1	1	1	1	0	1	1	1	1	1	1
S_{25}	1	1	1	1	1	1	1	1	1	1	1	1	1	0	0	1	1	1	1	1	1	1	1	0	1	1	1	1	1	1	1
S_{26}	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	0	1	1	1	1	1	1	1	1	1	1	1	1
S_{27}	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	0	1	1	1	1	1	1	1	1	1	1	1	1	1
S_{28}	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	0	0	1	1	1	1	1	1	1	1	1	1	1	1	1
S_{29}	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	0	1	1	1	1	1	1	1	1	1	1	0
S_{30}	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	0	1	1	1	1	1	1	1	1	1	0
S_{31}	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	0	0	1	1	1	1	1	1	1	1	1	0
S_{32}	0	0	0	0	0	0	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	0	1	1	1	1	1	1	1	1
S_{33}	0	0	0	0	0	0	0	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	0	1	1	1	1	1	1	1
S_{34}	0	0	0	0	0	0	1	1	1	1	1	1	1	0	0	0	1	1	1	1	1	1	1	1	0	1	1	1	1	1	1
S_{35}	0	0	0	0	0	0	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	0	1	1	1	1	1
S_{36}	0	0	0	0	0	0	1	0	0	0	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	0	1	1	1	1
S_{37}	0	0	0	0	0	0	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	0	1	1	1
S_{38}	0	0	0	0	0	0	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	0	1	1
S_{39}	0	0	0	0	0	0	1	1	1	1	0	0	0	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	0	1
S_{40}	0	0	0	0	0	0	1	1	1	1	1	1	1	1	1	1	1	1	1	0	0	0	1	1	1	1	1	1	1	1	1

Проверка условия приводимости программы к ППФ (5 из 347):

$1)\bar{\bar{y}}_1 \nrightarrow S_{17}$

$2)\bar{\bar{y}}_2$

$E(\bar{\bar{y}}_1) = \{\bar{\bar{y}}_2, \bar{\bar{y}}_3, \bar{\bar{y}}_4, S_{12}, \bar{\bar{y}}_5, S_{16}, S_{32}, S_{33}, S_{34}, S_{35}, S_{36}, S_{37}, S_{38}, S_{39}, S_{40}\}$

$E(S_{17}) = \{S_{19}, S_{36}\}$

$N_1(\bar{\bar{y}}_1, S_{17}) = \{S_{36}\}$

$N_2(\bar{\bar{y}}_1, S_{17}) = \{\bar{\bar{y}}_2, \bar{\bar{y}}_3, \bar{\bar{y}}_4, S_{12}, \bar{\bar{y}}_5, S_{16}, S_{32}, S_{33}, S_{34}, S_{35}, S_{37}, S_{38}, S_{39}, S_{40}, S_{19}\}$

$E(\bar{\bar{y}}_2) = \{\bar{\bar{y}}_3, \bar{\bar{y}}_4, S_{12}, \bar{\bar{y}}_5, S_{16}, S_{32}, S_{33}, S_{34}, S_{35}, S_{36}, S_{37}, S_{38}, S_{39}, S_{40}\}$

$\bar{\bar{y}}_2 \in N_2(\bar{\bar{y}}_1, S_{17})$ – выполняется

$N_1(\bar{\bar{y}}_1, S_{17}) \subseteq E(\bar{\bar{y}}_2)$ – выполняется

выполняется

$1)\bar{\bar{y}}_1 \nrightarrow S_{18}$

$2)\bar{\bar{y}}_2$

$E(\bar{\bar{y}}_1) = \{\bar{\bar{y}}_2, \bar{\bar{y}}_3, \bar{\bar{y}}_4, S_{12}, \bar{\bar{y}}_5, S_{16}, S_{32}, S_{33}, S_{34}, S_{35}, S_{36}, S_{37}, S_{38}, S_{39}, S_{40}\}$

$E(S_{18}) = \{S_{19}, S_{36}\}$

$N_1(\bar{\bar{y}}_1, S_{18}) = \{S_{36}\}$

$N_2(\bar{\bar{y}}_1, S_{18}) = \{\bar{\bar{y}}_2, \bar{\bar{y}}_3, \bar{\bar{y}}_4, S_{12}, \bar{\bar{y}}_5, S_{16}, S_{32}, S_{33}, S_{34}, S_{35}, S_{37}, S_{38}, S_{39}, S_{40}, S_{19}\}$

$E(\bar{\bar{y}}_2) = \{\bar{\bar{y}}_3, \bar{\bar{y}}_4, S_{12}, \bar{\bar{y}}_5, S_{16}, S_{32}, S_{33}, S_{34}, S_{35}, S_{36}, S_{37}, S_{38}, S_{39}, S_{40}\}$
$\bar{\bar{y}}_2 \in N_2(\bar{\bar{y}}_1, S_{18})$ – выполняется
$N_1(\bar{\bar{y}}_1, S_{18}) \subseteq E(\bar{\bar{y}}_2)$ – выполняется
выполняется

1)$\bar{\bar{y}}_1 \nrightarrow S_{19}$
2)$\bar{\bar{y}}_2$
$E(\bar{\bar{y}}_1) = \{\bar{\bar{y}}_2, \bar{\bar{y}}_3, \bar{\bar{y}}_4, S_{12}, \bar{\bar{y}}_5, S_{16}, S_{32}, S_{33}, S_{34}, S_{35}, S_{36}, S_{37}, S_{38}, S_{39}, S_{40}\}$
$E(S_{19}) = \{S_{36}\}$
$N_1(\bar{\bar{y}}_1, S_{19}) = \{S_{36}\}$
$N_2(\bar{\bar{y}}_1, S_{19}) = \{\bar{\bar{y}}_2, \bar{\bar{y}}_3, \bar{\bar{y}}_4, S_{12}, \bar{\bar{y}}_5, S_{16}, S_{32}, S_{33}, S_{34}, S_{35}, S_{37}, S_{38}, S_{39}, S_{40}\}$
$E(\bar{\bar{y}}_2) = \{\bar{\bar{y}}_3, \bar{\bar{y}}_4, S_{12}, \bar{\bar{y}}_5, S_{16}, S_{32}, S_{33}, S_{34}, S_{35}, S_{36}, S_{37}, S_{38}, S_{39}, S_{40}\}$
$\bar{\bar{y}}_2 \in N_2(\bar{\bar{y}}_1, S_{19})$ – выполняется
$N_1(\bar{\bar{y}}_1, S_{19}) \subseteq E(\bar{\bar{y}}_2)$ – выполняется
выполняется

1)$\bar{\bar{y}}_1 \nrightarrow S_{20}$
2)$\bar{\bar{y}}_2$
$E(\bar{\bar{y}}_1) = \{\bar{\bar{y}}_2, \bar{\bar{y}}_3, \bar{\bar{y}}_4, S_{12}, \bar{\bar{y}}_5, S_{16}, S_{32}, S_{33}, S_{34}, S_{35}, S_{36}, S_{37}, S_{38}, S_{39}, S_{40}\}$
$E(S_{20}) = \{S_{22}, S_{39}\}$
$N_1(\bar{\bar{y}}_1, S_{20}) = \{S_{39}\}$
$N_2(\bar{\bar{y}}_1, S_{20}) = \{\bar{\bar{y}}_2, \bar{\bar{y}}_3, \bar{\bar{y}}_4, S_{12}, \bar{\bar{y}}_5, S_{16}, S_{32}, S_{33}, S_{34}, S_{35}, S_{36}, S_{37}, S_{38}, S_{40}, S_{22}\}$
$E(\bar{\bar{y}}_2) = \{\bar{\bar{y}}_3, \bar{\bar{y}}_4, S_{12}, \bar{\bar{y}}_5, S_{16}, S_{32}, S_{33}, S_{34}, S_{35}, S_{36}, S_{37}, S_{38}, S_{39}, S_{40}\}$
$\bar{\bar{y}}_2 \in N_2(\bar{\bar{y}}_1, S_{20})$ – выполняется
$N_1(\bar{\bar{y}}_1, S_{20}) \subseteq E(\bar{\bar{y}}_2)$ – выполняется
выполняется

1)$\bar{\bar{y}}_1 \nrightarrow S_{21}$
2)$\bar{\bar{y}}_2$
$E(\bar{\bar{y}}_1) = \{\bar{\bar{y}}_2, \bar{\bar{y}}_3, \bar{\bar{y}}_4, S_{12}, \bar{\bar{y}}_5, S_{16}, S_{32}, S_{33}, S_{34}, S_{35}, S_{36}, S_{37}, S_{38}, S_{39}, S_{40}\}$
$E(S_{21}) = \{S_{22}, S_{39}\}$
$N_1(\bar{\bar{y}}_1, S_{21}) = \{S_{39}\}$
$N_2(\bar{\bar{y}}_1, S_{21}) = \{\bar{\bar{y}}_2, \bar{\bar{y}}_3, \bar{\bar{y}}_4, S_{12}, \bar{\bar{y}}_5, S_{16}, S_{32}, S_{33}, S_{34}, S_{35}, S_{36}, S_{37}, S_{38}, S_{40}, S_{22}\}$
$E(\bar{\bar{y}}_2) = \{\bar{\bar{y}}_3, \bar{\bar{y}}_4, S_{12}, \bar{\bar{y}}_5, S_{16}, S_{32}, S_{33}, S_{34}, S_{35}, S_{36}, S_{37}, S_{38}, S_{39}, S_{40}\}$
$\bar{\bar{y}}_2 \in N_2(\bar{\bar{y}}_1, S_{21})$ – выполняется
$N_1(\bar{\bar{y}}_1, S_{21}) \subseteq E(\bar{\bar{y}}_2)$ – выполняется
выполняется
На текущей итерации был выделен параллллельный групповой оператор $\bar{\bar{y}}_6 = \{S_{16}, S_{17}, S_{18}\}$

Итерация №7

Отношения между операторами:

SD =

	$\bar{\bar{y}}_1$	$\bar{\bar{y}}_2$	$\bar{\bar{y}}_3$	$\bar{\bar{y}}_4$	S_{12}	$\bar{\bar{y}}_5$	$\bar{\bar{y}}_6$	S_{19}	S_{20}	S_{21}	S_{22}	S_{23}	S_{24}	S_{25}	S_{26}	S_{27}	S_{28}	S_{29}	S_{30}	S_{31}	S_{32}	S_{33}	S_{34}	S_{35}	S_{36}	S_{37}	S_{38}	S_{39}	S_{40}
$\bar{\bar{y}}_1$	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
$\bar{\bar{y}}_2$	0	0	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0
$\bar{\bar{y}}_3$	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	1	0	0	0
$\bar{\bar{y}}_4$	0	0	0	0	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0
S_{12}	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
$\bar{\bar{y}}_5$	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	1	1	1	1	1	1	1
$\bar{\bar{y}}_6$	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0
S_{19}	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0
S_{20}	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
S_{21}	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
S_{22}	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0
S_{23}	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
S_{24}	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
S_{25}	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0
S_{26}	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0
S_{27}	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0
S_{28}	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
S_{29}	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0
S_{30}	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0
S_{31}	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1
S_{32}	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
S_{33}	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
S_{34}	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
S_{35}	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
S_{36}	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
S_{37}	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
S_{38}	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
S_{39}	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
S_{40}	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0

$$
\mathrm{WD}=\begin{array}{c|ccccccccccccccccccccccccccccc|}
 & \bar{\bar{y}}_1 & \bar{\bar{y}}_2 & \bar{\bar{y}}_3 & \bar{\bar{y}}_4 & S_{12} & \bar{\bar{y}}_5 & \bar{\bar{y}}_6 & S_{19} & S_{20} & S_{21} & S_{22} & S_{23} & S_{24} & S_{25} & S_{26} & S_{27} & S_{28} & S_{29} & S_{30} & S_{31} & S_{32} & S_{33} & S_{34} & S_{35} & S_{36} & S_{37} & S_{38} & S_{39} & S_{40} \\
\hline
\bar{\bar{y}}_1 & 0 & 1 & 1 & 1 & 1 & 1 & 1 & 1 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 1 & 1 & 1 & 1 & 1 & 1 & 1 & 1 & 1 \\
\bar{\bar{y}}_2 & 0 & 0 & 1 & 1 & 1 & 1 & 1 & 1 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 1 & 1 & 1 & 1 & 1 & 1 & 1 & 1 & 1 \\
\bar{\bar{y}}_3 & 0 & 0 & 0 & 1 & 1 & 1 & 1 & 1 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 1 & 1 & 1 & 1 & 1 & 1 & 1 & 1 & 1 \\
\bar{\bar{y}}_4 & 0 & 0 & 0 & 0 & 1 & 1 & 1 & 1 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 1 & 1 & 1 & 1 & 1 & 1 & 1 & 1 & 1 \\
S_{12} & 0 & 0 & 0 & 0 & 0 & 1 & 1 & 1 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 1 & 1 & 1 & 1 & 1 & 1 & 1 & 1 & 1 \\
\bar{\bar{y}}_5 & 0 & 0 & 0 & 0 & 0 & 0 & 1 & 1 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 1 & 1 & 1 & 1 & 1 & 1 & 1 & 1 & 1 \\
\bar{\bar{y}}_6 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 1 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 1 & 0 & 0 & 1 & 0 & 0 & 0 & 0 \\
S_{19} & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 1 & 0 & 0 & 0 & 0 \\
S_{20} & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 1 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 1 & 0 \\
S_{21} & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 1 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 1 & 0 \\
S_{22} & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 1 & 0 \\
S_{23} & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 1 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 1 & 0 & 0 & 0 & 0 & 0 & 0 \\
S_{24} & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 1 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 1 & 0 & 0 & 0 & 0 & 0 & 0 \\
S_{25} & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 1 & 0 & 0 & 0 & 0 & 0 & 0 \\
S_{26} & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 1 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 \\
S_{27} & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 1 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 \\
S_{28} & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 \\
S_{29} & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 1 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 1 \\
S_{30} & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 1 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 1 \\
S_{31} & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 1 \\
S_{32} & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 \\
S_{33} & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 \\
S_{34} & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 \\
S_{35} & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 \\
S_{36} & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 \\
S_{37} & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 \\
S_{38} & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 \\
S_{39} & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 \\
S_{40} & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0
\end{array}
$$

C =

	$\bar{\bar{y}}_1$	$\bar{\bar{y}}_2$	$\bar{\bar{y}}_3$	$\bar{\bar{y}}_4$	S_{12}	$\bar{\bar{y}}_5$	$\bar{\bar{y}}_6$	S_{19}	S_{20}	S_{21}	S_{22}	S_{23}	S_{24}	S_{25}	S_{26}	S_{27}	S_{28}	S_{29}	S_{30}	S_{31}	S_{32}	S_{33}	S_{34}	S_{35}	S_{36}	S_{37}	S_{38}	S_{39}	S_{40}
$\bar{\bar{y}}_1$	1	0	0	0	0	0	0	0	1	1	1	1	1	1	1	1	1	1	1	1	0	0	0	0	0	0	0	0	0
$\bar{\bar{y}}_2$	0	1	0	0	0	0	0	0	1	1	1	1	1	1	1	1	1	1	1	1	0	0	0	0	0	0	0	0	0
$\bar{\bar{y}}_3$	0	0	1	0	0	0	0	0	1	1	1	1	1	1	1	1	1	1	1	1	0	0	0	0	0	0	0	0	0
$\bar{\bar{y}}_4$	0	0	0	1	0	0	0	0	1	1	1	1	1	1	1	1	1	1	1	1	0	0	0	0	0	0	0	0	0
S_{12}	0	0	0	0	1	0	0	0	1	1	1	1	1	1	1	1	1	1	1	1	0	0	0	0	0	0	0	0	0
$\bar{\bar{y}}_5$	0	0	0	0	0	1	0	0	1	1	1	1	1	1	1	1	1	1	1	1	0	0	0	0	0	0	0	0	0
$\bar{\bar{y}}_6$	0	0	0	0	0	0	1	0	1	1	0	1	1	1	1	1	1	1	1	1	1	0	1	1	0	1	1	1	1
S_{19}	0	0	0	0	0	0	0	1	0	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	0	1	1	1	1
S_{20}	1	1	1	1	1	1	1	0	1	1	0	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	0	1
S_{21}	1	1	1	1	1	1	1	1	1	1	0	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	0	1
S_{22}	1	1	1	1	1	1	0	1	0	0	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	0	1
S_{23}	1	1	1	1	1	1	1	1	1	1	1	1	1	0	1	1	1	1	1	1	1	1	0	1	1	1	1	1	1
S_{24}	1	1	1	1	1	1	1	1	1	1	1	1	1	0	1	1	1	1	1	1	1	1	0	1	1	1	1	1	1
S_{25}	1	1	1	1	1	1	1	1	1	1	1	0	0	1	1	1	1	1	1	1	1	1	0	1	1	1	1	1	1
S_{26}	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	0	1	1	1	1	1	1	1	1	1	1	1	1
S_{27}	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	0	1	1	1	1	1	1	1	1	1	1	1	1
S_{28}	1	1	1	1	1	1	1	1	1	1	1	1	1	1	0	0	1	1	1	1	1	1	1	1	1	1	1	1	1
S_{29}	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	0	1	1	1	1	1	1	1	1	0
S_{30}	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	0	1	1	1	1	1	1	1	1	0
S_{31}	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	0	0	1	1	1	1	1	1	1	1	1	0
S_{32}	0	0	0	0	0	0	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
S_{33}	0	0	0	0	0	0	0	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
S_{34}	0	0	0	0	0	0	1	1	1	1	1	0	0	0	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
S_{35}	0	0	0	0	0	0	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
S_{36}	0	0	0	0	0	0	0	0	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
S_{37}	0	0	0	0	0	0	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
S_{38}	0	0	0	0	0	0	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
S_{39}	0	0	0	0	0	0	1	1	0	0	0	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
S_{40}	0	0	0	0	0	0	1	1	1	1	1	1	1	1	1	1	1	0	0	0	1	1	1	1	1	1	1	1	1

$$
\mathrm{SI}=\begin{array}{c}
\\
\bar{\bar{y}}_1\\ \bar{\bar{y}}_2\\ \bar{\bar{y}}_3\\ \bar{\bar{y}}_4\\ S_{12}\\ \bar{\bar{y}}_5\\ \bar{\bar{y}}_6\\ S_{19}\\ S_{20}\\ S_{21}\\ S_{22}\\ S_{23}\\ S_{24}\\ S_{25}\\ S_{26}\\ S_{27}\\ S_{28}\\ S_{29}\\ S_{30}\\ S_{31}\\ S_{32}\\ S_{33}\\ S_{34}\\ S_{35}\\ S_{36}\\ S_{37}\\ S_{38}\\ S_{39}\\ S_{40}
\end{array}
\begin{array}{c}
\begin{array}{cccccccccccccccccccccccccccccccc}
\bar{\bar{y}}_1 & \bar{\bar{y}}_2 & \bar{\bar{y}}_3 & \bar{\bar{y}}_4 & S_{12} & \bar{\bar{y}}_5 & \bar{\bar{y}}_6 & S_{19} & S_{20} & S_{21} & S_{22} & S_{23} & S_{24} & S_{25} & S_{26} & S_{27} & S_{28} & S_{29} & S_{30} & S_{31} & S_{32} & S_{33} & S_{34} & S_{35} & S_{36} & S_{37} & S_{38} & S_{39} & S_{40}
\end{array}\\
\left[\begin{array}{cccccccccccccccccccccccccccccccc}
1&0&0&0&0&0&0&0&1&1&1&1&1&1&1&1&1&1&1&1&0&0&0&0&0&0&0&0&0\\
0&1&0&0&0&0&0&0&1&1&1&1&1&1&1&1&1&1&1&1&0&0&0&0&0&0&0&0&0\\
0&0&1&0&0&0&0&0&1&1&1&1&1&1&1&1&1&1&1&1&0&0&0&0&0&0&0&0&0\\
0&0&0&1&0&0&0&0&1&1&1&1&1&1&1&1&1&1&1&1&0&0&0&0&0&0&0&0&0\\
0&0&0&0&1&0&0&0&1&1&1&1&1&1&1&1&1&1&1&1&0&0&0&0&0&0&0&0&0\\
0&0&0&0&0&1&0&0&1&1&1&1&1&1&1&1&1&1&1&1&0&0&0&0&0&0&0&0&0\\
0&0&0&0&0&0&1&0&0&1&0&1&1&1&1&1&1&1&1&1&1&0&1&1&0&1&1&1&1\\
0&0&0&0&0&0&0&1&0&1&1&1&1&1&1&1&1&1&1&1&1&1&1&1&0&1&1&1&1\\
1&1&1&1&1&1&0&0&1&1&0&1&1&1&1&1&1&1&1&1&1&1&1&1&1&1&1&0&1\\
1&1&1&1&1&1&1&1&1&1&0&1&1&1&1&1&1&1&1&1&1&1&1&1&1&1&1&0&1\\
1&1&1&1&1&1&0&1&0&0&1&1&1&1&1&1&1&1&1&1&1&1&1&1&1&1&1&0&1\\
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1&1&1&1&1&1&1&1&1&1&1&0&0&1&1&1&1&1&1&1&1&1&0&1&1&1&1&1&1\\
1&1&1&1&1&1&1&1&1&1&1&1&1&1&1&1&0&1&1&1&1&1&1&1&1&1&1&1&1\\
1&1&1&1&1&1&1&1&1&1&1&1&1&1&1&1&0&1&1&1&1&1&1&1&1&1&1&1&1\\
1&1&1&1&1&1&1&1&1&1&1&1&1&1&1&0&0&1&1&1&1&1&1&1&1&1&1&1&1\\
1&1&1&1&1&1&1&1&1&1&1&1&1&1&1&1&1&1&0&1&1&1&1&1&1&1&1&1&0\\
1&1&1&1&1&1&1&1&1&1&1&1&1&1&1&1&1&1&0&1&1&1&1&1&1&1&1&1&0\\
1&1&1&1&1&1&1&1&1&1&1&1&1&1&1&1&1&0&0&1&1&1&1&1&1&1&1&1&0\\
0&0&0&0&0&0&1&1&1&1&1&1&1&1&1&1&1&1&1&1&1&1&1&1&1&1&1&1&1\\
0&0&0&0&0&0&0&1&1&1&1&1&1&1&1&1&1&1&1&1&1&1&1&1&1&1&1&1&1\\
0&0&0&0&0&0&1&1&1&1&1&1&0&0&0&1&1&1&1&1&1&1&1&1&1&1&1&1&1\\
0&0&0&0&0&0&1&1&1&1&1&1&1&1&1&1&1&1&1&1&1&1&1&1&1&1&1&1&1\\
0&0&0&0&0&0&0&0&1&1&1&1&1&1&1&1&1&1&1&1&1&1&1&1&1&1&1&1&1\\
0&0&0&0&0&0&1&1&1&1&1&1&1&1&1&1&1&1&1&1&1&1&1&1&1&1&1&1&1\\
0&0&0&0&0&0&1&1&1&1&1&1&1&1&1&1&1&1&1&1&1&1&1&1&1&1&1&1&1\\
0&0&0&0&0&0&1&1&0&0&0&1&1&1&1&1&1&1&1&1&1&1&1&1&1&1&1&1&1\\
0&0&0&0&0&0&1&1&1&1&1&1&1&1&1&1&1&0&0&0&1&1&1&1&1&1&1&1&1
\end{array}\right]
\end{array}
$$

Проверка условия приводимости программы к ППФ (5 из 286):
$1)\bar{\bar{y}}_1 \nrightarrow S_{20}$
$2)\bar{\bar{y}}_2$
$E(\bar{\bar{y}}_1) = \{\bar{\bar{y}}_2, \bar{\bar{y}}_3, \bar{\bar{y}}_4, S_{12}, \bar{\bar{y}}_5, \bar{\bar{y}}_6, S_{19}, S_{32}, S_{33}, S_{34}, S_{35}, S_{36}, S_{37}, S_{38}, S_{39}, S_{40}\}$
$E(S_{20}) = \{S_{22}, S_{39}\}$
$N_1(\bar{\bar{y}}_1, S_{20}) = \{S_{39}\}$
$N_2(\bar{\bar{y}}_1, S_{20}) = \{\bar{\bar{y}}_2, \bar{\bar{y}}_3, \bar{\bar{y}}_4, S_{12}, \bar{\bar{y}}_5, \bar{\bar{y}}_6, S_{19}, S_{32}, S_{33}, S_{34}, S_{35}, S_{36}, S_{37}, S_{38}, S_{40}, S_{22}\}$
$E(\bar{\bar{y}}_2) = \{\bar{\bar{y}}_3, \bar{\bar{y}}_4, S_{12}, \bar{\bar{y}}_5, \bar{\bar{y}}_6, S_{19}, S_{32}, S_{33}, S_{34}, S_{35}, S_{36}, S_{37}, S_{38}, S_{39}, S_{40}\}$
$\bar{\bar{y}}_2 \in N_2(\bar{\bar{y}}_1, S_{20})$ – выполняется
$N_1(\bar{\bar{y}}_1, S_{20}) \subseteq E(\bar{\bar{y}}_2)$ – выполняется
выполняется

$1)\bar{\bar{y}}_1 \nrightarrow S_{21}$
$2)\bar{\bar{y}}_2$
$E(\bar{\bar{y}}_1) = \{\bar{\bar{y}}_2, \bar{\bar{y}}_3, \bar{\bar{y}}_4, S_{12}, \bar{\bar{y}}_5, \bar{\bar{y}}_6, S_{19}, S_{32}, S_{33}, S_{34}, S_{35}, S_{36}, S_{37}, S_{38}, S_{39}, S_{40}\}$
$E(S_{21}) = \{S_{22}, S_{39}\}$
$N_1(\bar{\bar{y}}_1, S_{21}) = \{S_{39}\}$
$N_2(\bar{\bar{y}}_1, S_{21}) = \{\bar{\bar{y}}_2, \bar{\bar{y}}_3, \bar{\bar{y}}_4, S_{12}, \bar{\bar{y}}_5, \bar{\bar{y}}_6, S_{19}, S_{32}, S_{33}, S_{34}, S_{35}, S_{36}, S_{37}, S_{38}, S_{40}, S_{22}\}$
$E(\bar{\bar{y}}_2) = \{\bar{\bar{y}}_3, \bar{\bar{y}}_4, S_{12}, \bar{\bar{y}}_5, \bar{\bar{y}}_6, S_{19}, S_{32}, S_{33}, S_{34}, S_{35}, S_{36}, S_{37}, S_{38}, S_{39}, S_{40}\}$
$\bar{\bar{y}}_2 \in N_2(\bar{\bar{y}}_1, S_{21})$ – выполняется
$N_1(\bar{\bar{y}}_1, S_{21}) \subseteq E(\bar{\bar{y}}_2)$ – выполняется
выполняется

$1)\bar{\bar{y}}_1 \nrightarrow S_{22}$
$2)\bar{\bar{y}}_2$
$E(\bar{\bar{y}}_1) = \{\bar{\bar{y}}_2, \bar{\bar{y}}_3, \bar{\bar{y}}_4, S_{12}, \bar{\bar{y}}_5, \bar{\bar{y}}_6, S_{19}, S_{32}, S_{33}, S_{34}, S_{35}, S_{36}, S_{37}, S_{38}, S_{39}, S_{40}\}$
$E(S_{22}) = \{S_{39}\}$
$N_1(\bar{\bar{y}}_1, S_{22}) = \{S_{39}\}$
$N_2(\bar{\bar{y}}_1, S_{22}) = \{\bar{\bar{y}}_2, \bar{\bar{y}}_3, \bar{\bar{y}}_4, S_{12}, \bar{\bar{y}}_5, \bar{\bar{y}}_6, S_{19}, S_{32}, S_{33}, S_{34}, S_{35}, S_{36}, S_{37}, S_{38}, S_{40}\}$
$E(\bar{\bar{y}}_2) = \{\bar{\bar{y}}_3, \bar{\bar{y}}_4, S_{12}, \bar{\bar{y}}_5, \bar{\bar{y}}_6, S_{19}, S_{32}, S_{33}, S_{34}, S_{35}, S_{36}, S_{37}, S_{38}, S_{39}, S_{40}\}$

$\bar{\bar{y}}_2 \in N_2(\bar{\bar{y}}_1, S_{22})$ – выполняется
$N_1(\bar{\bar{y}}_1, S_{22}) \subseteq E(\bar{\bar{y}}_2)$ – выполняется
выполняется

1)$\bar{\bar{y}}_1 \nrightarrow S_{23}$
2)$\bar{\bar{y}}_2$
$E(\bar{\bar{y}}_1) = \{\bar{\bar{y}}_2, \bar{\bar{y}}_3, \bar{\bar{y}}_4, S_{12}, \bar{\bar{y}}_5, \bar{\bar{y}}_6, S_{19}, S_{32}, S_{33}, S_{34}, S_{35}, S_{36}, S_{37}, S_{38}, S_{39}, S_{40}\}$
$E(S_{23}) = \{S_{25}, S_{34}\}$
$N_1(\bar{\bar{y}}_1, S_{23}) = \{S_{34}\}$
$N_2(\bar{\bar{y}}_1, S_{23}) = \{\bar{\bar{y}}_2, \bar{\bar{y}}_3, \bar{\bar{y}}_4, S_{12}, \bar{\bar{y}}_5, \bar{\bar{y}}_6, S_{19}, S_{32}, S_{33}, S_{35}, S_{36}, S_{37}, S_{38}, S_{39}, S_{40}, S_{25}\}$
$E(\bar{\bar{y}}_2) = \{\bar{\bar{y}}_3, \bar{\bar{y}}_4, S_{12}, \bar{\bar{y}}_5, \bar{\bar{y}}_6, S_{19}, S_{32}, S_{33}, S_{34}, S_{35}, S_{36}, S_{37}, S_{38}, S_{39}, S_{40}\}$
$\bar{\bar{y}}_2 \in N_2(\bar{\bar{y}}_1, S_{23})$ – выполняется
$N_1(\bar{\bar{y}}_1, S_{23}) \subseteq E(\bar{\bar{y}}_2)$ – выполняется
выполняется

1)$\bar{\bar{y}}_1 \nrightarrow S_{24}$
2)$\bar{\bar{y}}_2$
$E(\bar{\bar{y}}_1) = \{\bar{\bar{y}}_2, \bar{\bar{y}}_3, \bar{\bar{y}}_4, S_{12}, \bar{\bar{y}}_5, \bar{\bar{y}}_6, S_{19}, S_{32}, S_{33}, S_{34}, S_{35}, S_{36}, S_{37}, S_{38}, S_{39}, S_{40}\}$
$E(S_{24}) = \{S_{25}, S_{34}\}$
$N_1(\bar{\bar{y}}_1, S_{24}) = \{S_{34}\}$
$N_2(\bar{\bar{y}}_1, S_{24}) = \{\bar{\bar{y}}_2, \bar{\bar{y}}_3, \bar{\bar{y}}_4, S_{12}, \bar{\bar{y}}_5, \bar{\bar{y}}_6, S_{19}, S_{32}, S_{33}, S_{35}, S_{36}, S_{37}, S_{38}, S_{39}, S_{40}, S_{25}\}$
$E(\bar{\bar{y}}_2) = \{\bar{\bar{y}}_3, \bar{\bar{y}}_4, S_{12}, \bar{\bar{y}}_5, \bar{\bar{y}}_6, S_{19}, S_{32}, S_{33}, S_{34}, S_{35}, S_{36}, S_{37}, S_{38}, S_{39}, S_{40}\}$
$\bar{\bar{y}}_2 \in N_2(\bar{\bar{y}}_1, S_{24})$ – выполняется
$N_1(\bar{\bar{y}}_1, S_{24}) \subseteq E(\bar{\bar{y}}_2)$ – выполняется
выполняется
На текущей итерации был выделен параллллельный групповой оператор $\bar{\bar{y}}_7 = \{S_{20}, S_{21}\}$

Итерация №8

Отношения между операторами:

SD =

	$\bar{\bar{y}}_1$	$\bar{\bar{y}}_2$	$\bar{\bar{y}}_3$	$\bar{\bar{y}}_4$	S_{12}	$\bar{\bar{y}}_5$	$\bar{\bar{y}}_6$	S_{19}	$\bar{\bar{y}}_7$	S_{22}	S_{23}	S_{24}	S_{25}	S_{26}	S_{27}	S_{28}	S_{29}	S_{30}	S_{31}	S_{32}	S_{33}	S_{34}	S_{35}	S_{36}	S_{37}	S_{38}	S_{39}	S_{40}
$\bar{\bar{y}}_1$	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
$\bar{\bar{y}}_2$	0	0	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0
$\bar{\bar{y}}_3$	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	1	0	0	0	0
$\bar{\bar{y}}_4$	0	0	0	0	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0
S_{12}	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
$\bar{\bar{y}}_5$	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	1	1	1	1	1	1	1	1	1
$\bar{\bar{y}}_6$	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0
S_{19}	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0
$\bar{\bar{y}}_7$	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
S_{22}	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0
S_{23}	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
S_{24}	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
S_{25}	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0
S_{26}	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0
S_{27}	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0
S_{28}	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
S_{29}	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0
S_{30}	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0
S_{31}	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1
S_{32}	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
S_{33}	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
S_{34}	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
S_{35}	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
S_{36}	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
S_{37}	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
S_{38}	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
S_{39}	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
S_{40}	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0

WD =

	$\bar{\bar{y}}_1$	$\bar{\bar{y}}_2$	$\bar{\bar{y}}_3$	$\bar{\bar{y}}_4$	S_{12}	$\bar{\bar{y}}_5$	$\bar{\bar{y}}_6$	S_{19}	$\bar{\bar{y}}_7$	S_{22}	S_{23}	S_{24}	S_{25}	S_{26}	S_{27}	S_{28}	S_{29}	S_{30}	S_{31}	S_{32}	S_{33}	S_{34}	S_{35}	S_{36}	S_{37}	S_{38}	S_{39}	S_{40}
$\bar{\bar{y}}_1$	0	1	1	1	1	1	1	1	0	0	0	0	0	0	0	0	0	0	0	1	1	1	1	1	1	1	1	1
$\bar{\bar{y}}_2$	0	0	1	1	1	1	1	1	0	0	0	0	0	0	0	0	0	0	0	1	1	1	1	1	1	1	1	1
$\bar{\bar{y}}_3$	0	0	0	1	1	1	1	1	0	0	0	0	0	0	0	0	0	0	0	1	1	1	1	1	1	1	1	1
$\bar{\bar{y}}_4$	0	0	0	0	1	1	1	1	0	0	0	0	0	0	0	0	0	0	0	1	1	1	1	1	1	1	1	1
S_{12}	0	0	0	0	0	1	1	1	0	0	0	0	0	0	0	0	0	0	0	1	1	1	1	1	1	1	1	1
$\bar{\bar{y}}_5$	0	0	0	0	0	0	1	1	0	0	0	0	0	0	0	0	0	0	0	1	1	1	1	1	1	1	1	1
$\bar{\bar{y}}_6$	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	1	0	0	0	0
S_{19}	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0
$\bar{\bar{y}}_7$	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0
S_{22}	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0
S_{23}	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0
S_{24}	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0
S_{25}	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0
S_{26}	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0
S_{27}	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0
S_{28}	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
S_{29}	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	1
S_{30}	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	1
S_{31}	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1
S_{32}	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
S_{33}	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
S_{34}	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
S_{35}	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
S_{36}	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
S_{37}	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
S_{38}	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
S_{39}	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
S_{40}	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0

C =

	$\bar{\bar{y}}_1$	$\bar{\bar{y}}_2$	$\bar{\bar{y}}_3$	$\bar{\bar{y}}_4$	S_{12}	$\bar{\bar{y}}_5$	$\bar{\bar{y}}_6$	S_{19}	$\bar{\bar{y}}_7$	S_{22}	S_{23}	S_{24}	S_{25}	S_{26}	S_{27}	S_{28}	S_{29}	S_{30}	S_{31}	S_{32}	S_{33}	S_{34}	S_{35}	S_{36}	S_{37}	S_{38}	S_{39}	S_{40}
$\bar{\bar{y}}_1$	1	0	0	0	0	0	0	0	1	1	1	1	1	1	1	1	1	1	1	0	0	0	0	0	0	0	0	0
$\bar{\bar{y}}_2$	0	1	0	0	0	0	0	0	1	1	1	1	1	1	1	1	1	1	1	0	0	0	0	0	0	0	0	0
$\bar{\bar{y}}_3$	0	0	1	0	0	0	0	0	1	1	1	1	1	1	1	1	1	1	1	0	0	0	0	0	0	0	0	0
$\bar{\bar{y}}_4$	0	0	0	1	0	0	0	0	1	1	1	1	1	1	1	1	1	1	1	0	0	0	0	0	0	0	0	0
S_{12}	0	0	0	0	1	0	0	0	1	1	1	1	1	1	1	1	1	1	1	0	0	0	0	0	0	0	0	0
$\bar{\bar{y}}_5$	0	0	0	0	0	1	0	0	1	1	1	1	1	1	1	1	1	1	1	0	0	0	0	0	0	0	0	0
$\bar{\bar{y}}_6$	0	0	0	0	0	0	1	0	1	0	1	1	1	1	1	1	1	1	1	1	0	1	1	0	1	1	1	1
S_{19}	0	0	0	0	0	0	0	1	0	1	1	1	1	1	1	1	1	1	1	1	1	1	1	0	1	1	1	1
$\bar{\bar{y}}_7$	1	1	1	1	1	1	1	0	1	0	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	0	1
S_{22}	1	1	1	1	1	1	0	1	0	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	0	1
S_{23}	1	1	1	1	1	1	1	1	1	1	1	1	0	1	1	1	1	1	1	1	1	0	1	1	1	1	1	1
S_{24}	1	1	1	1	1	1	1	1	1	1	1	1	0	1	1	1	1	1	1	1	1	0	1	1	1	1	1	1
S_{25}	1	1	1	1	1	1	1	1	1	1	0	0	1	1	1	1	1	1	1	1	1	0	1	1	1	1	1	1
S_{26}	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	0	1	1	1	1	1	1	1	1	1	1	1	1
S_{27}	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	0	1	1	1	1	1	1	1	1	1	1	1	1
S_{28}	1	1	1	1	1	1	1	1	1	1	1	1	1	1	0	0	1	1	1	1	1	1	1	1	1	1	1	1
S_{29}	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	0	1	1	1	1	1	1	1	1	0
S_{30}	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	0	1	1	1	1	1	1	1	1	0
S_{31}	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	0	0	1	1	1	1	1	1	1	1	1	0
S_{32}	0	0	0	0	0	0	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
S_{33}	0	0	0	0	0	0	0	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
S_{34}	0	0	0	0	0	0	1	1	1	1	0	0	0	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
S_{35}	0	0	0	0	0	0	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
S_{36}	0	0	0	0	0	0	0	0	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
S_{37}	0	0	0	0	0	0	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
S_{38}	0	0	0	0	0	0	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
S_{39}	0	0	0	0	0	0	1	1	0	0	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
S_{40}	0	0	0	0	0	0	1	1	1	1	1	1	1	1	1	1	0	0	0	1	1	1	1	1	1	1	1	1

SI =

	$\bar{\bar{y}}_1$	$\bar{\bar{y}}_2$	$\bar{\bar{y}}_3$	$\bar{\bar{y}}_4$	S_{12}	$\bar{\bar{y}}_5$	$\bar{\bar{y}}_6$	S_{19}	$\bar{\bar{y}}_7$	S_{22}	S_{23}	S_{24}	S_{25}	S_{26}	S_{27}	S_{28}	S_{29}	S_{30}	S_{31}	S_{32}	S_{33}	S_{34}	S_{35}	S_{36}	S_{37}	S_{38}	S_{39}	S_{40}
$\bar{\bar{y}}_1$	1	0	0	0	0	0	0	0	1	1	1	1	1	1	1	1	1	1	1	0	0	0	0	0	0	0	0	0
$\bar{\bar{y}}_2$	0	1	0	0	0	0	0	0	1	1	1	1	1	1	1	1	1	1	1	0	0	0	0	0	0	0	0	0
$\bar{\bar{y}}_3$	0	0	1	0	0	0	0	0	1	1	1	1	1	1	1	1	1	1	1	0	0	0	0	0	0	0	0	0
$\bar{\bar{y}}_4$	0	0	0	1	0	0	0	0	1	1	1	1	1	1	1	1	1	1	1	0	0	0	0	0	0	0	0	0
S_{12}	0	0	0	0	1	0	0	0	1	1	1	1	1	1	1	1	1	1	1	0	0	0	0	0	0	0	0	0
$\bar{\bar{y}}_5$	0	0	0	0	0	1	0	0	1	1	1	1	1	1	1	1	1	1	1	0	0	0	0	0	0	0	0	0
$\bar{\bar{y}}_6$	0	0	0	0	0	0	1	0	0	0	1	1	1	1	1	1	1	1	1	1	0	1	1	0	1	1	1	1
S_{19}	0	0	0	0	0	0	0	1	0	1	1	1	1	1	1	1	1	1	1	1	1	1	1	0	1	1	1	1
$\bar{\bar{y}}_7$	1	1	1	1	1	1	0	0	1	0	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	0	1
S_{22}	1	1	1	1	1	1	0	1	0	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	0	1
S_{23}	1	1	1	1	1	1	1	1	1	1	1	1	0	1	1	1	1	1	1	1	1	0	1	1	1	1	1	1
S_{24}	1	1	1	1	1	1	1	1	1	1	1	1	0	1	1	1	1	1	1	1	1	0	1	1	1	1	1	1
S_{25}	1	1	1	1	1	1	1	1	1	1	0	0	1	1	1	1	1	1	1	1	1	0	1	1	1	1	1	1
S_{26}	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	0	1	1	1	1	1	1	1	1	1	1	1	1
S_{27}	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	0	1	1	1	1	1	1	1	1	1	1	1	1
S_{28}	1	1	1	1	1	1	1	1	1	1	1	1	1	0	0	1	1	1	1	1	1	1	1	1	1	1	1	1
S_{29}	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	0	1	1	1	1	1	1	1	1	0
S_{30}	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	0	1	1	1	1	1	1	1	1	0
S_{31}	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	0	0	1	1	1	1	1	1	1	1	1	0
S_{32}	0	0	0	0	0	0	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
S_{33}	0	0	0	0	0	0	0	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
S_{34}	0	0	0	0	0	0	1	1	1	1	0	0	0	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
S_{35}	0	0	0	0	0	0	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
S_{36}	0	0	0	0	0	0	0	0	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
S_{37}	0	0	0	0	0	0	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
S_{38}	0	0	0	0	0	0	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
S_{39}	0	0	0	0	0	0	1	1	0	0	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
S_{40}	0	0	0	0	0	0	1	1	1	1	1	1	1	1	1	1	0	0	0	1	1	1	1	1	1	1	1	1

Проверка условия приводимости программы к ППФ (5 из 261):
$1)\bar{\bar{y}}_1 \nrightarrow \bar{\bar{y}}_7$
$2)\bar{\bar{y}}_2$
$E(\bar{\bar{y}}_1) = \{\bar{\bar{y}}_2, \bar{\bar{y}}_3, \bar{\bar{y}}_4, S_{12}, \bar{\bar{y}}_5, \bar{\bar{y}}_6, S_{19}, S_{32}, S_{33}, S_{34}, S_{35}, S_{36}, S_{37}, S_{38}, S_{39}, S_{40}\}$
$E(\bar{\bar{y}}_7) = \{S_{22}, S_{39}\}$
$N_1(\bar{\bar{y}}_1, \bar{\bar{y}}_7) = \{S_{39}\}$
$N_2(\bar{\bar{y}}_1, \bar{\bar{y}}_7) = \{\bar{\bar{y}}_2, \bar{\bar{y}}_3, \bar{\bar{y}}_4, S_{12}, \bar{\bar{y}}_5, \bar{\bar{y}}_6, S_{19}, S_{32}, S_{33}, S_{34}, S_{35}, S_{36}, S_{37}, S_{38}, S_{40}, S_{22}\}$
$E(\bar{\bar{y}}_2) = \{\bar{\bar{y}}_3, \bar{\bar{y}}_4, S_{12}, \bar{\bar{y}}_5, \bar{\bar{y}}_6, S_{19}, S_{32}, S_{33}, S_{34}, S_{35}, S_{36}, S_{37}, S_{38}, S_{39}, S_{40}\}$
$\bar{\bar{y}}_2 \in N_2(\bar{\bar{y}}_1, \bar{\bar{y}}_7)$ – выполняется
$N_1(\bar{\bar{y}}_1, \bar{\bar{y}}_7) \subseteq E(\bar{\bar{y}}_2)$ – выполняется
выполняется

$1)\bar{\bar{y}}_1 \nrightarrow S_{22}$
$2)\bar{\bar{y}}_2$
$E(\bar{\bar{y}}_1) = \{\bar{\bar{y}}_2, \bar{\bar{y}}_3, \bar{\bar{y}}_4, S_{12}, \bar{\bar{y}}_5, \bar{\bar{y}}_6, S_{19}, S_{32}, S_{33}, S_{34}, S_{35}, S_{36}, S_{37}, S_{38}, S_{39}, S_{40}\}$
$E(S_{22}) = \{S_{39}\}$
$N_1(\bar{\bar{y}}_1, S_{22}) = \{S_{39}\}$
$N_2(\bar{\bar{y}}_1, S_{22}) = \{\bar{\bar{y}}_2, \bar{\bar{y}}_3, \bar{\bar{y}}_4, S_{12}, \bar{\bar{y}}_5, \bar{\bar{y}}_6, S_{19}, S_{32}, S_{33}, S_{34}, S_{35}, S_{36}, S_{37}, S_{38}, S_{40}\}$
$E(\bar{\bar{y}}_2) = \{\bar{\bar{y}}_3, \bar{\bar{y}}_4, S_{12}, \bar{\bar{y}}_5, \bar{\bar{y}}_6, S_{19}, S_{32}, S_{33}, S_{34}, S_{35}, S_{36}, S_{37}, S_{38}, S_{39}, S_{40}\}$
$\bar{\bar{y}}_2 \in N_2(\bar{\bar{y}}_1, S_{22})$ – выполняется
$N_1(\bar{\bar{y}}_1, S_{22}) \subseteq E(\bar{\bar{y}}_2)$ – выполняется
выполняется

$1)\bar{\bar{y}}_1 \nrightarrow S_{23}$
$2)\bar{\bar{y}}_2$
$E(\bar{\bar{y}}_1) = \{\bar{\bar{y}}_2, \bar{\bar{y}}_3, \bar{\bar{y}}_4, S_{12}, \bar{\bar{y}}_5, \bar{\bar{y}}_6, S_{19}, S_{32}, S_{33}, S_{34}, S_{35}, S_{36}, S_{37}, S_{38}, S_{39}, S_{40}\}$
$E(S_{23}) = \{S_{25}, S_{34}\}$
$N_1(\bar{\bar{y}}_1, S_{23}) = \{S_{34}\}$
$N_2(\bar{\bar{y}}_1, S_{23}) = \{\bar{\bar{y}}_2, \bar{\bar{y}}_3, \bar{\bar{y}}_4, S_{12}, \bar{\bar{y}}_5, \bar{\bar{y}}_6, S_{19}, S_{32}, S_{33}, S_{35}, S_{36}, S_{37}, S_{38}, S_{39}, S_{40}, S_{25}\}$
$E(\bar{\bar{y}}_2) = \{\bar{\bar{y}}_3, \bar{\bar{y}}_4, S_{12}, \bar{\bar{y}}_5, \bar{\bar{y}}_6, S_{19}, S_{32}, S_{33}, S_{34}, S_{35}, S_{36}, S_{37}, S_{38}, S_{39}, S_{40}\}$
$\bar{\bar{y}}_2 \in N_2(\bar{\bar{y}}_1, S_{23})$ – выполняется

$N_1(\bar{\bar{y}}_1, S_{23}) \subseteq E(\bar{\bar{y}}_2)$ – выполняется
выполняется

1)$\bar{\bar{y}}_1 \nrightarrow S_{24}$
2)$\bar{\bar{y}}_2$
$E(\bar{\bar{y}}_1) = \{\bar{\bar{y}}_2, \bar{\bar{y}}_3, \bar{\bar{y}}_4, S_{12}, \bar{\bar{y}}_5, \bar{\bar{y}}_6, S_{19}, S_{32}, S_{33}, S_{34}, S_{35}, S_{36}, S_{37}, S_{38}, S_{39}, S_{40}\}$
$E(S_{24}) = \{S_{25}, S_{34}\}$
$N_1(\bar{\bar{y}}_1, S_{24}) = \{S_{34}\}$
$N_2(\bar{\bar{y}}_1, S_{24}) = \{\bar{\bar{y}}_2, \bar{\bar{y}}_3, \bar{\bar{y}}_4, S_{12}, \bar{\bar{y}}_5, \bar{\bar{y}}_6, S_{19}, S_{32}, S_{33}, S_{35}, S_{36}, S_{37}, S_{38}, S_{39}, S_{40}, S_{25}\}$
$E(\bar{\bar{y}}_2) = \{\bar{\bar{y}}_3, \bar{\bar{y}}_4, S_{12}, \bar{\bar{y}}_5, \bar{\bar{y}}_6, S_{19}, S_{32}, S_{33}, S_{34}, S_{35}, S_{36}, S_{37}, S_{38}, S_{39}, S_{40}\}$
$\bar{\bar{y}}_2 \in N_2(\bar{\bar{y}}_1, S_{24})$ – выполняется
$N_1(\bar{\bar{y}}_1, S_{24}) \subseteq E(\bar{\bar{y}}_2)$ – выполняется
выполняется

1)$\bar{\bar{y}}_1 \nrightarrow S_{25}$
2)$\bar{\bar{y}}_2$
$E(\bar{\bar{y}}_1) = \{\bar{\bar{y}}_2, \bar{\bar{y}}_3, \bar{\bar{y}}_4, S_{12}, \bar{\bar{y}}_5, \bar{\bar{y}}_6, S_{19}, S_{32}, S_{33}, S_{34}, S_{35}, S_{36}, S_{37}, S_{38}, S_{39}, S_{40}\}$
$E(S_{25}) = \{S_{34}\}$
$N_1(\bar{\bar{y}}_1, S_{25}) = \{S_{34}\}$
$N_2(\bar{\bar{y}}_1, S_{25}) = \{\bar{\bar{y}}_2, \bar{\bar{y}}_3, \bar{\bar{y}}_4, S_{12}, \bar{\bar{y}}_5, \bar{\bar{y}}_6, S_{19}, S_{32}, S_{33}, S_{35}, S_{36}, S_{37}, S_{38}, S_{39}, S_{40}\}$
$E(\bar{\bar{y}}_2) = \{\bar{\bar{y}}_3, \bar{\bar{y}}_4, S_{12}, \bar{\bar{y}}_5, \bar{\bar{y}}_6, S_{19}, S_{32}, S_{33}, S_{34}, S_{35}, S_{36}, S_{37}, S_{38}, S_{39}, S_{40}\}$
$\bar{\bar{y}}_2 \in N_2(\bar{\bar{y}}_1, S_{25})$ – выполняется
$N_1(\bar{\bar{y}}_1, S_{25}) \subseteq E(\bar{\bar{y}}_2)$ – выполняется
выполняется
На текущей итерации был выделен параллллельный групповой оператор $\bar{\bar{y}}_8 = \{S_{22}, S_{23}, S_{24}\}$

Итерация №9

Отношения между операторами:

SD =

	$\bar{\bar{y}}_1$	$\bar{\bar{y}}_2$	$\bar{\bar{y}}_3$	$\bar{\bar{y}}_4$	S_{12}	$\bar{\bar{y}}_5$	$\bar{\bar{y}}_6$	S_{19}	$\bar{\bar{y}}_7$	$\bar{\bar{y}}_8$	S_{25}	S_{26}	S_{27}	S_{28}	S_{29}	S_{30}	S_{31}	S_{32}	S_{33}	S_{34}	S_{35}	S_{36}	S_{37}	S_{38}	S_{39}	S_{40}
$\bar{\bar{y}}_1$	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
$\bar{\bar{y}}_2$	0	0	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0
$\bar{\bar{y}}_3$	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	1	0	0	0
$\bar{\bar{y}}_4$	0	0	0	0	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0
S_{12}	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
$\bar{\bar{y}}_5$	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	1	1	1	1	1	1	1	1	1
$\bar{\bar{y}}_6$	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0
S_{19}	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0
$\bar{\bar{y}}_7$	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
$\bar{\bar{y}}_8$	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0
S_{25}	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0
S_{26}	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0
S_{27}	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0
S_{28}	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
S_{29}	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0
S_{30}	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0
S_{31}	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1
S_{32}	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
S_{33}	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
S_{34}	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
S_{35}	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
S_{36}	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
S_{37}	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
S_{38}	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
S_{39}	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
S_{40}	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0

WD =

	$\bar{\bar{y}}_1$	$\bar{\bar{y}}_2$	$\bar{\bar{y}}_3$	$\bar{\bar{y}}_4$	S_{12}	$\bar{\bar{y}}_5$	$\bar{\bar{y}}_6$	S_{19}	$\bar{\bar{y}}_7$	$\bar{\bar{y}}_8$	S_{25}	S_{26}	S_{27}	S_{28}	S_{29}	S_{30}	S_{31}	S_{32}	S_{33}	S_{34}	S_{35}	S_{36}	S_{37}	S_{38}	S_{39}	S_{40}
$\bar{\bar{y}}_1$	0	1	1	1	1	1	1	1	0	0	0	0	0	0	0	0	0	1	1	1	1	1	1	1	1	1
$\bar{\bar{y}}_2$	0	0	1	1	1	1	1	1	0	0	0	0	0	0	0	0	0	1	1	1	1	1	1	1	1	1
$\bar{\bar{y}}_3$	0	0	0	1	1	1	1	1	0	0	0	0	0	0	0	0	0	1	1	1	1	1	1	1	1	1
$\bar{\bar{y}}_4$	0	0	0	0	1	1	1	1	0	0	0	0	0	0	0	0	0	1	1	1	1	1	1	1	1	1
S_{12}	0	0	0	0	0	1	1	1	0	0	0	0	0	0	0	0	0	1	1	1	1	1	1	1	1	1
$\bar{\bar{y}}_5$	0	0	0	0	0	0	1	1	0	0	0	0	0	0	0	0	0	1	1	1	1	1	1	1	1	1
$\bar{\bar{y}}_6$	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	1	0	0	1	0	0	0	0
S_{19}	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0
$\bar{\bar{y}}_7$	0	0	0	0	0	0	0	0	0	1	1	0	0	0	0	0	0	0	0	1	0	0	0	0	1	0
$\bar{\bar{y}}_8$	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	1	0	0	0	0	1	0
S_{25}	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0
S_{26}	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0
S_{27}	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0
S_{28}	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
S_{29}	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	1
S_{30}	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	1
S_{31}	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1
S_{32}	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
S_{33}	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
S_{34}	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
S_{35}	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
S_{36}	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
S_{37}	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
S_{38}	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
S_{39}	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
S_{40}	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0

C =

	$\bar{\bar{y}}_1$	$\bar{\bar{y}}_2$	$\bar{\bar{y}}_3$	$\bar{\bar{y}}_4$	S_{12}	$\bar{\bar{y}}_5$	$\bar{\bar{y}}_6$	S_{19}	$\bar{\bar{y}}_7$	$\bar{\bar{y}}_8$	S_{25}	S_{26}	S_{27}	S_{28}	S_{29}	S_{30}	S_{31}	S_{32}	S_{33}	S_{34}	S_{35}	S_{36}	S_{37}	S_{38}	S_{39}	S_{40}
$\bar{\bar{y}}_1$	1	0	0	0	0	0	0	0	1	1	1	1	1	1	1	1	1	0	0	0	0	0	0	0	0	0
$\bar{\bar{y}}_2$	0	1	0	0	0	0	0	0	1	1	1	1	1	1	1	1	1	0	0	0	0	0	0	0	0	0
$\bar{\bar{y}}_3$	0	0	1	0	0	0	0	0	1	1	1	1	1	1	1	1	1	0	0	0	0	0	0	0	0	0
$\bar{\bar{y}}_4$	0	0	0	1	0	0	0	0	1	1	1	1	1	1	1	1	1	0	0	0	0	0	0	0	0	0
S_{12}	0	0	0	0	1	0	0	0	1	1	1	1	1	1	1	1	1	0	0	0	0	0	0	0	0	0
$\bar{\bar{y}}_5$	0	0	0	0	0	1	0	0	1	1	1	1	1	1	1	1	1	0	0	0	0	0	0	0	0	0
$\bar{\bar{y}}_6$	0	0	0	0	0	0	1	0	1	0	1	1	1	1	1	1	1	1	0	1	1	0	1	1	1	1
S_{19}	0	0	0	0	0	0	0	1	0	1	1	1	1	1	1	1	1	1	1	1	1	0	1	1	1	1
$\bar{\bar{y}}_7$	1	1	1	1	1	1	1	0	1	0	0	1	1	1	1	1	1	1	1	0	1	1	1	1	0	1
$\bar{\bar{y}}_8$	1	1	1	1	1	1	0	1	0	1	0	1	1	1	1	1	1	1	1	0	1	1	1	1	0	1
S_{25}	1	1	1	1	1	1	1	1	0	0	1	1	1	1	1	1	1	1	1	0	1	1	1	1	1	1
S_{26}	1	1	1	1	1	1	1	1	1	1	1	1	1	0	1	1	1	1	1	1	1	1	1	1	1	1
S_{27}	1	1	1	1	1	1	1	1	1	1	1	1	1	0	1	1	1	1	1	1	1	1	1	1	1	1
S_{28}	1	1	1	1	1	1	1	1	1	1	1	0	0	1	1	1	1	1	1	1	1	1	1	1	1	1
S_{29}	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	0	1	1	1	1	1	1	1	1	0
S_{30}	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	0	1	1	1	1	1	1	1	1	0
S_{31}	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	0	0	1	1	1	1	1	1	1	1	0
S_{32}	0	0	0	0	0	0	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
S_{33}	0	0	0	0	0	0	0	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
S_{34}	0	0	0	0	0	0	1	1	0	0	0	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
S_{35}	0	0	0	0	0	0	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
S_{36}	0	0	0	0	0	0	0	0	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
S_{37}	0	0	0	0	0	0	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
S_{38}	0	0	0	0	0	0	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
S_{39}	0	0	0	0	0	0	1	1	0	0	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
S_{40}	0	0	0	0	0	0	1	1	1	1	1	1	1	1	0	0	0	1	1	1	1	1	1	1	1	1

SI =

	$\bar{\bar{y}}_1$	$\bar{\bar{y}}_2$	$\bar{\bar{y}}_3$	$\bar{\bar{y}}_4$	S_{12}	$\bar{\bar{y}}_5$	$\bar{\bar{y}}_6$	S_{19}	$\bar{\bar{y}}_7$	$\bar{\bar{y}}_8$	S_{25}	S_{26}	S_{27}	S_{28}	S_{29}	S_{30}	S_{31}	S_{32}	S_{33}	S_{34}	S_{35}	S_{36}	S_{37}	S_{38}	S_{39}	S_{40}
$\bar{\bar{y}}_1$	1	0	0	0	0	0	0	0	1	1	1	1	1	1	1	1	1	0	0	0	0	0	0	0	0	0
$\bar{\bar{y}}_2$	0	1	0	0	0	0	0	0	1	1	1	1	1	1	1	1	1	0	0	0	0	0	0	0	0	0
$\bar{\bar{y}}_3$	0	0	1	0	0	0	0	0	1	1	1	1	1	1	1	1	1	0	0	0	0	0	0	0	0	0
$\bar{\bar{y}}_4$	0	0	0	1	0	0	0	0	1	1	1	1	1	1	1	1	1	0	0	0	0	0	0	0	0	0
S_{12}	0	0	0	0	1	0	0	0	1	1	1	1	1	1	1	1	1	0	0	0	0	0	0	0	0	0
$\bar{\bar{y}}_5$	0	0	0	0	0	1	0	0	1	1	1	1	1	1	1	1	1	0	0	0	0	0	0	0	0	0
$\bar{\bar{y}}_6$	0	0	0	0	0	0	1	0	0	0	1	1	1	1	1	1	1	1	0	1	1	0	1	1	1	1
S_{19}	0	0	0	0	0	0	0	1	0	1	1	1	1	1	1	1	1	1	1	1	1	0	1	1	1	1
$\bar{\bar{y}}_7$	1	1	1	1	1	1	0	0	1	0	0	1	1	1	1	1	1	1	1	0	1	1	1	1	0	1
$\bar{\bar{y}}_8$	1	1	1	1	1	1	0	1	0	1	0	1	1	1	1	1	1	1	1	0	1	1	1	1	0	1
S_{25}	1	1	1	1	1	1	1	1	0	0	1	1	1	1	1	1	1	1	1	0	1	1	1	1	1	1
S_{26}	1	1	1	1	1	1	1	1	1	1	1	1	1	0	1	1	1	1	1	1	1	1	1	1	1	1
S_{27}	1	1	1	1	1	1	1	1	1	1	1	1	1	0	1	1	1	1	1	1	1	1	1	1	1	1
S_{28}	1	1	1	1	1	1	1	1	1	1	1	0	0	1	1	1	1	1	1	1	1	1	1	1	1	1
S_{29}	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	0	1	1	1	1	1	1	1	1	0
S_{30}	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	0	1	1	1	1	1	1	1	1	0
S_{31}	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	0	0	1	1	1	1	1	1	1	1	0
S_{32}	0	0	0	0	0	0	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
S_{33}	0	0	0	0	0	0	0	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
S_{34}	0	0	0	0	0	0	1	1	0	0	0	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
S_{35}	0	0	0	0	0	0	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
S_{36}	0	0	0	0	0	0	0	0	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
S_{37}	0	0	0	0	0	0	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
S_{38}	0	0	0	0	0	0	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
S_{39}	0	0	0	0	0	0	1	1	0	0	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
S_{40}	0	0	0	0	0	0	1	1	1	1	1	1	1	1	0	0	0	1	1	1	1	1	1	1	1	1

Проверка условия приводимости программы к ППФ (5 из 210):

1)$\bar{\bar{y}}_1 \nrightarrow \bar{\bar{y}}_7$

2)$\bar{\bar{y}}_2$

$E(\bar{\bar{y}}_1) = \{\bar{\bar{y}}_2, \bar{\bar{y}}_3, \bar{\bar{y}}_4, S_{12}, \bar{\bar{y}}_5, \bar{\bar{y}}_6, S_{19}, S_{32}, S_{33}, S_{34}, S_{35}, S_{36}, S_{37}, S_{38}, S_{39}, S_{40}\}$

$E(\bar{\bar{y}}_7) = \{\bar{\bar{y}}_8, S_{25}, S_{34}, S_{39}\}$

$N_1(\bar{\bar{y}}_1, \bar{\bar{y}}_7) = \{S_{34}, S_{39}\}$
$N_2(\bar{\bar{y}}_1, \bar{\bar{y}}_7) = \{\bar{\bar{y}}_2, \bar{\bar{y}}_3, \bar{\bar{y}}_4, S_{12}, \bar{\bar{y}}_5, \bar{\bar{y}}_6, S_{19}, S_{32}, S_{33}, S_{35}, S_{36}, S_{37}, S_{38}, S_{40}, \bar{\bar{y}}_8, S_{25}\}$
$E(\bar{\bar{y}}_2) = \{\bar{\bar{y}}_3, \bar{\bar{y}}_4, S_{12}, \bar{\bar{y}}_5, \bar{\bar{y}}_6, S_{19}, S_{32}, S_{33}, S_{34}, S_{35}, S_{36}, S_{37}, S_{38}, S_{39}, S_{40}\}$
$\bar{\bar{y}}_2 \in N_2(\bar{\bar{y}}_1, \bar{\bar{y}}_7)$ – выполняется
$N_1(\bar{\bar{y}}_1, \bar{\bar{y}}_7) \subseteq E(\bar{\bar{y}}_2)$ – выполняется
выполняется

1)$\bar{\bar{y}}_1 \nrightarrow \bar{\bar{y}}_8$
2)$\bar{\bar{y}}_2$
$E(\bar{\bar{y}}_1) = \{\bar{\bar{y}}_2, \bar{\bar{y}}_3, \bar{\bar{y}}_4, S_{12}, \bar{\bar{y}}_5, \bar{\bar{y}}_6, S_{19}, S_{32}, S_{33}, S_{34}, S_{35}, S_{36}, S_{37}, S_{38}, S_{39}, S_{40}\}$
$E(\bar{\bar{y}}_8) = \{S_{25}, S_{34}, S_{39}\}$
$N_1(\bar{\bar{y}}_1, \bar{\bar{y}}_8) = \{S_{34}, S_{39}\}$
$N_2(\bar{\bar{y}}_1, \bar{\bar{y}}_8) = \{\bar{\bar{y}}_2, \bar{\bar{y}}_3, \bar{\bar{y}}_4, S_{12}, \bar{\bar{y}}_5, \bar{\bar{y}}_6, S_{19}, S_{32}, S_{33}, S_{35}, S_{36}, S_{37}, S_{38}, S_{40}, S_{25}\}$
$E(\bar{\bar{y}}_2) = \{\bar{\bar{y}}_3, \bar{\bar{y}}_4, S_{12}, \bar{\bar{y}}_5, \bar{\bar{y}}_6, S_{19}, S_{32}, S_{33}, S_{34}, S_{35}, S_{36}, S_{37}, S_{38}, S_{39}, S_{40}\}$
$\bar{\bar{y}}_2 \in N_2(\bar{\bar{y}}_1, \bar{\bar{y}}_8)$ – выполняется
$N_1(\bar{\bar{y}}_1, \bar{\bar{y}}_8) \subseteq E(\bar{\bar{y}}_2)$ – выполняется
выполняется

1)$\bar{\bar{y}}_1 \nrightarrow S_{25}$
2)$\bar{\bar{y}}_2$
$E(\bar{\bar{y}}_1) = \{\bar{\bar{y}}_2, \bar{\bar{y}}_3, \bar{\bar{y}}_4, S_{12}, \bar{\bar{y}}_5, \bar{\bar{y}}_6, S_{19}, S_{32}, S_{33}, S_{34}, S_{35}, S_{36}, S_{37}, S_{38}, S_{39}, S_{40}\}$
$E(S_{25}) = \{S_{34}\}$
$N_1(\bar{\bar{y}}_1, S_{25}) = \{S_{34}\}$
$N_2(\bar{\bar{y}}_1, S_{25}) = \{\bar{\bar{y}}_2, \bar{\bar{y}}_3, \bar{\bar{y}}_4, S_{12}, \bar{\bar{y}}_5, \bar{\bar{y}}_6, S_{19}, S_{32}, S_{33}, S_{35}, S_{36}, S_{37}, S_{38}, S_{39}, S_{40}\}$
$E(\bar{\bar{y}}_2) = \{\bar{\bar{y}}_3, \bar{\bar{y}}_4, S_{12}, \bar{\bar{y}}_5, \bar{\bar{y}}_6, S_{19}, S_{32}, S_{33}, S_{34}, S_{35}, S_{36}, S_{37}, S_{38}, S_{39}, S_{40}\}$
$\bar{\bar{y}}_2 \in N_2(\bar{\bar{y}}_1, S_{25})$ – выполняется
$N_1(\bar{\bar{y}}_1, S_{25}) \subseteq E(\bar{\bar{y}}_2)$ – выполняется
выполняется

1)$\bar{\bar{y}}_1 \nrightarrow S_{26}$
2)$\bar{\bar{y}}_2$
$E(\bar{\bar{y}}_1) = \{\bar{\bar{y}}_2, \bar{\bar{y}}_3, \bar{\bar{y}}_4, S_{12}, \bar{\bar{y}}_5, \bar{\bar{y}}_6, S_{19}, S_{32}, S_{33}, S_{34}, S_{35}, S_{36}, S_{37}, S_{38}, S_{39}, S_{40}\}$
$E(S_{26}) = \{S_{28}\}$
$N_1(\bar{\bar{y}}_1, S_{26}) = \varnothing$
$N_2(\bar{\bar{y}}_1, S_{26}) = \{\bar{\bar{y}}_2, \bar{\bar{y}}_3, \bar{\bar{y}}_4, S_{12}, \bar{\bar{y}}_5, \bar{\bar{y}}_6, S_{19}, S_{32}, S_{33}, S_{34}, S_{35}, S_{36}, S_{37}, S_{38}, S_{39}, S_{40}, S_{28}\}$
$E(\bar{\bar{y}}_2) = \{\bar{\bar{y}}_3, \bar{\bar{y}}_4, S_{12}, \bar{\bar{y}}_5, \bar{\bar{y}}_6, S_{19}, S_{32}, S_{33}, S_{34}, S_{35}, S_{36}, S_{37}, S_{38}, S_{39}, S_{40}\}$
$\bar{\bar{y}}_2 \in N_2(\bar{\bar{y}}_1, S_{26})$ – выполняется
$N_1(\bar{\bar{y}}_1, S_{26}) \subseteq E(\bar{\bar{y}}_2)$ – выполняется
выполняется

1)$\bar{\bar{y}}_1 \nrightarrow S_{27}$
2)$\bar{\bar{y}}_2$
$E(\bar{\bar{y}}_1) = \{\bar{\bar{y}}_2, \bar{\bar{y}}_3, \bar{\bar{y}}_4, S_{12}, \bar{\bar{y}}_5, \bar{\bar{y}}_6, S_{19}, S_{32}, S_{33}, S_{34}, S_{35}, S_{36}, S_{37}, S_{38}, S_{39}, S_{40}\}$
$E(S_{27}) = \{S_{28}\}$
$N_1(\bar{\bar{y}}_1, S_{27}) = \varnothing$
$N_2(\bar{\bar{y}}_1, S_{27}) = \{\bar{\bar{y}}_2, \bar{\bar{y}}_3, \bar{\bar{y}}_4, S_{12}, \bar{\bar{y}}_5, \bar{\bar{y}}_6, S_{19}, S_{32}, S_{33}, S_{34}, S_{35}, S_{36}, S_{37}, S_{38}, S_{39}, S_{40}, S_{28}\}$
$E(\bar{\bar{y}}_2) = \{\bar{\bar{y}}_3, \bar{\bar{y}}_4, S_{12}, \bar{\bar{y}}_5, \bar{\bar{y}}_6, S_{19}, S_{32}, S_{33}, S_{34}, S_{35}, S_{36}, S_{37}, S_{38}, S_{39}, S_{40}\}$
$\bar{\bar{y}}_2 \in N_2(\bar{\bar{y}}_1, S_{27})$ – выполняется
$N_1(\bar{\bar{y}}_1, S_{27}) \subseteq E(\bar{\bar{y}}_2)$ – выполняется
выполняется
На текущей итерации был выделен параллллельный групповой оператор $\bar{\bar{y}}_9 = \{S_{25}, S_{26}, S_{27}\}$

Итерация №10

Отношения между операторами:

SD =

	$\bar{\bar{y}}_1$	$\bar{\bar{y}}_2$	$\bar{\bar{y}}_3$	$\bar{\bar{y}}_4$	S_{12}	$\bar{\bar{y}}_5$	$\bar{\bar{y}}_6$	S_{19}	$\bar{\bar{y}}_7$	$\bar{\bar{y}}_8$	$\bar{\bar{y}}_9$	S_{28}	S_{29}	S_{30}	S_{31}	S_{32}	S_{33}	S_{34}	S_{35}	S_{36}	S_{37}	S_{38}	S_{39}	S_{40}
$\bar{\bar{y}}_1$	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
$\bar{\bar{y}}_2$	0	0	1	1	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0
$\bar{\bar{y}}_3$	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	1	0	0	0
$\bar{\bar{y}}_4$	0	0	0	0	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0
S_{12}	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
$\bar{\bar{y}}_5$	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	1	1	1	1	1	1	1	1	1
$\bar{\bar{y}}_6$	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0
S_{19}	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0
$\bar{\bar{y}}_7$	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0
$\bar{\bar{y}}_8$	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	1	0
$\bar{\bar{y}}_9$	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	1	0	0	0	0	0	0
S_{28}	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
S_{29}	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0
S_{30}	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0
S_{31}	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1
S_{32}	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
S_{33}	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
S_{34}	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
S_{35}	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
S_{36}	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
S_{37}	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
S_{38}	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
S_{39}	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
S_{40}	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0

WD =

	$\bar{\bar{y}}_1$	$\bar{\bar{y}}_2$	$\bar{\bar{y}}_3$	$\bar{\bar{y}}_4$	S_{12}	$\bar{\bar{y}}_5$	$\bar{\bar{y}}_6$	S_{19}	$\bar{\bar{y}}_7$	$\bar{\bar{y}}_8$	$\bar{\bar{y}}_9$	S_{28}	S_{29}	S_{30}	S_{31}	S_{32}	S_{33}	S_{34}	S_{35}	S_{36}	S_{37}	S_{38}	S_{39}	S_{40}
$\bar{\bar{y}}_1$	0	1	1	1	1	1	1	1	0	0	0	0	0	0	0	1	1	1	1	1	1	1	1	1
$\bar{\bar{y}}_2$	0	0	1	1	1	1	1	1	0	0	0	0	0	0	0	1	1	1	1	1	1	1	1	1
$\bar{\bar{y}}_3$	0	0	0	1	1	1	1	1	0	0	0	0	0	0	0	1	1	1	1	1	1	1	1	1
$\bar{\bar{y}}_4$	0	0	0	0	1	1	1	1	0	0	0	0	0	0	0	1	1	1	1	1	1	1	1	1
S_{12}	0	0	0	0	0	1	1	1	0	0	0	0	0	0	0	1	1	1	1	1	1	1	1	1
$\bar{\bar{y}}_5$	0	0	0	0	0	0	1	1	0	0	0	0	0	0	0	1	1	1	1	1	1	1	1	1
$\bar{\bar{y}}_6$	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	1	0	0	1	0	0	0	0
S_{19}	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0
$\bar{\bar{y}}_7$	0	0	0	0	0	0	0	0	0	1	1	1	0	0	0	0	0	1	0	0	0	0	1	0
$\bar{\bar{y}}_8$	0	0	0	0	0	0	0	0	0	0	1	1	0	0	0	0	0	1	0	0	0	0	1	0
$\bar{\bar{y}}_9$	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	1	0	0	0	0	0	0
S_{28}	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
S_{29}	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	1
S_{30}	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	1
S_{31}	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1
S_{32}	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
S_{33}	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
S_{34}	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
S_{35}	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
S_{36}	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
S_{37}	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
S_{38}	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
S_{39}	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
S_{40}	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0

C =

	$\bar{\bar{y}}_1$	$\bar{\bar{y}}_2$	$\bar{\bar{y}}_3$	$\bar{\bar{y}}_4$	S_{12}	$\bar{\bar{y}}_5$	$\bar{\bar{y}}_6$	S_{19}	$\bar{\bar{y}}_7$	$\bar{\bar{y}}_8$	$\bar{\bar{y}}_9$	S_{28}	S_{29}	S_{30}	S_{31}	S_{32}	S_{33}	S_{34}	S_{35}	S_{36}	S_{37}	S_{38}	S_{39}	S_{40}
$\bar{\bar{y}}_1$	1	0	0	0	0	0	0	0	1	1	1	1	1	1	1	0	0	0	0	0	0	0	0	0
$\bar{\bar{y}}_2$	0	1	0	0	0	0	0	0	1	1	1	1	1	1	1	0	0	0	0	0	0	0	0	0
$\bar{\bar{y}}_3$	0	0	1	0	0	0	0	0	1	1	1	1	1	1	1	0	0	0	0	0	0	0	0	0
$\bar{\bar{y}}_4$	0	0	0	1	0	0	0	0	1	1	1	1	1	1	1	0	0	0	0	0	0	0	0	0
S_{12}	0	0	0	0	1	0	0	0	1	1	1	1	1	1	1	0	0	0	0	0	0	0	0	0
$\bar{\bar{y}}_5$	0	0	0	0	0	1	0	0	1	1	1	1	1	1	1	0	0	0	0	0	0	0	0	0
$\bar{\bar{y}}_6$	0	0	0	0	0	0	1	0	1	0	1	1	1	1	1	1	0	1	1	0	1	1	1	1
S_{19}	0	0	0	0	0	0	0	1	0	1	1	1	1	1	1	1	1	1	0	1	1	1	1	1
$\bar{\bar{y}}_7$	1	1	1	1	1	1	1	0	1	0	0	0	1	1	1	1	1	0	1	1	1	1	0	1
$\bar{\bar{y}}_8$	1	1	1	1	1	1	0	1	0	1	0	0	1	1	1	1	1	0	1	1	1	1	0	1
$\bar{\bar{y}}_9$	1	1	1	1	1	1	1	1	0	0	1	0	1	1	1	1	1	0	1	1	1	1	1	1
S_{28}	1	1	1	1	1	1	1	1	0	0	0	1	1	1	1	1	1	1	1	1	1	1	1	1
S_{29}	1	1	1	1	1	1	1	1	1	1	1	1	1	1	0	1	1	1	1	1	1	1	1	0
S_{30}	1	1	1	1	1	1	1	1	1	1	1	1	1	1	0	1	1	1	1	1	1	1	1	0
S_{31}	1	1	1	1	1	1	1	1	1	1	1	1	0	0	1	1	1	1	1	1	1	1	1	0
S_{32}	0	0	0	0	0	0	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
S_{33}	0	0	0	0	0	0	0	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
S_{34}	0	0	0	0	0	0	1	1	0	0	0	1	1	1	1	1	1	1	1	1	1	1	1	1
S_{35}	0	0	0	0	0	0	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
S_{36}	0	0	0	0	0	0	0	0	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
S_{37}	0	0	0	0	0	0	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
S_{38}	0	0	0	0	0	0	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
S_{39}	0	0	0	0	0	0	1	1	0	0	1	1	1	1	1	1	1	1	1	1	1	1	1	1
S_{40}	0	0	0	0	0	0	1	1	1	1	1	1	0	0	0	1	1	1	1	1	1	1	1	1

SI =

	$\bar{\bar{y}}_1$	$\bar{\bar{y}}_2$	$\bar{\bar{y}}_3$	$\bar{\bar{y}}_4$	S_{12}	$\bar{\bar{y}}_5$	$\bar{\bar{y}}_6$	S_{19}	$\bar{\bar{y}}_7$	$\bar{\bar{y}}_8$	$\bar{\bar{y}}_9$	S_{28}	S_{29}	S_{30}	S_{31}	S_{32}	S_{33}	S_{34}	S_{35}	S_{36}	S_{37}	S_{38}	S_{39}	S_{40}
$\bar{\bar{y}}_1$	1	0	0	0	0	0	0	0	1	1	1	1	1	1	1	0	0	0	0	0	0	0	0	0
$\bar{\bar{y}}_2$	0	1	0	0	0	0	0	0	1	1	1	1	1	1	1	0	0	0	0	0	0	0	0	0
$\bar{\bar{y}}_3$	0	0	1	0	0	0	0	0	1	1	1	1	1	1	1	0	0	0	0	0	0	0	0	0
$\bar{\bar{y}}_4$	0	0	0	1	0	0	0	0	1	1	1	1	1	1	1	0	0	0	0	0	0	0	0	0
S_{12}	0	0	0	0	1	0	0	0	1	1	1	1	1	1	1	0	0	0	0	0	0	0	0	0
$\bar{\bar{y}}_5$	0	0	0	0	0	1	0	0	1	1	1	1	1	1	1	0	0	0	0	0	0	0	0	0
$\bar{\bar{y}}_6$	0	0	0	0	0	0	1	0	0	0	1	1	1	1	1	1	0	1	1	0	1	1	1	1
S_{19}	0	0	0	0	0	0	0	1	0	1	1	1	1	1	1	1	1	1	0	1	1	1	1	1
$\bar{\bar{y}}_7$	1	1	1	1	1	1	0	0	1	0	0	0	1	1	1	1	1	0	1	1	1	1	0	1
$\bar{\bar{y}}_8$	1	1	1	1	1	1	0	1	0	1	0	0	1	1	1	1	1	0	1	1	1	1	0	1
$\bar{\bar{y}}_9$	1	1	1	1	1	1	1	1	0	0	1	0	1	1	1	1	1	0	1	1	1	1	1	1
S_{28}	1	1	1	1	1	1	1	1	0	0	0	1	1	1	1	1	1	1	1	1	1	1	1	1
S_{29}	1	1	1	1	1	1	1	1	1	1	1	1	1	1	0	1	1	1	1	1	1	1	1	0
S_{30}	1	1	1	1	1	1	1	1	1	1	1	1	1	1	0	1	1	1	1	1	1	1	1	0
S_{31}	1	1	1	1	1	1	1	1	1	1	1	1	0	0	1	1	1	1	1	1	1	1	1	0
S_{32}	0	0	0	0	0	0	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
S_{33}	0	0	0	0	0	0	0	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
S_{34}	0	0	0	0	0	0	1	1	0	0	0	1	1	1	1	1	1	1	1	1	1	1	1	1
S_{35}	0	0	0	0	0	0	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
S_{36}	0	0	0	0	0	0	0	0	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
S_{37}	0	0	0	0	0	0	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
S_{38}	0	0	0	0	0	0	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
S_{39}	0	0	0	0	0	0	1	1	0	0	1	1	1	1	1	1	1	1	1	1	1	1	1	1
S_{40}	0	0	0	0	0	0	1	1	1	1	1	1	0	0	0	1	1	1	1	1	1	1	1	1

Проверка условия приводимости программы к ППФ (5 из 162):

$1)\bar{\bar{y}}_1 \nrightarrow \bar{\bar{y}}_7$

$2)\bar{\bar{y}}_2$

$E(\bar{\bar{y}}_1) = \{\bar{\bar{y}}_2, \bar{\bar{y}}_3, \bar{\bar{y}}_4, S_{12}, \bar{\bar{y}}_5, \bar{\bar{y}}_6, S_{19}, S_{32}, S_{33}, S_{34}, S_{35}, S_{36}, S_{37}, S_{38}, S_{39}, S_{40}\}$

$E(\bar{\bar{y}}_7) = \{\bar{\bar{y}}_8, \bar{\bar{y}}_9, S_{28}, S_{34}, S_{39}\}$

$N_1(\bar{\bar{y}}_1, \bar{\bar{y}}_7) = \{S_{34}, S_{39}\}$

$N_2(\bar{\bar{y}}_1, \bar{\bar{y}}_7) = \{\bar{\bar{y}}_2, \bar{\bar{y}}_3, \bar{\bar{y}}_4, S_{12}, \bar{\bar{y}}_5, \bar{\bar{y}}_6, S_{19}, S_{32}, S_{33}, S_{35}, S_{36}, S_{37}, S_{38}, S_{40}, \bar{\bar{y}}_8, \bar{\bar{y}}_9, S_{28}\}$

$E(\bar{\bar{y}}_2) = \{\bar{\bar{y}}_3, \bar{\bar{y}}_4, S_{12}, \bar{\bar{y}}_5, \bar{\bar{y}}_6, S_{19}, S_{32}, S_{33}, S_{34}, S_{35}, S_{36}, S_{37}, S_{38}, S_{39}, S_{40}\}$

$\bar{\bar{y}}_2 \in N_2(\bar{\bar{y}}_1, \bar{\bar{y}}_7) -$ выполняется

$N_1(\bar{\bar{y}}_1, \bar{\bar{y}}_7) \subseteq E(\bar{\bar{y}}_2) -$ выполняется

выполняется

$1)\bar{\bar{y}}_1 \nrightarrow \bar{\bar{y}}_8$

$2)\bar{\bar{y}}_2$

$E(\bar{\bar{y}}_1) = \{\bar{\bar{y}}_2, \bar{\bar{y}}_3, \bar{\bar{y}}_4, S_{12}, \bar{\bar{y}}_5, \bar{\bar{y}}_6, S_{19}, S_{32}, S_{33}, S_{34}, S_{35}, S_{36}, S_{37}, S_{38}, S_{39}, S_{40}\}$

$E(\bar{\bar{y}}_8) = \{\bar{\bar{y}}_9, S_{28}, S_{34}, S_{39}\}$

$N_1(\bar{\bar{y}}_1, \bar{\bar{y}}_8) = \{S_{34}, S_{39}\}$

$N_2(\bar{\bar{y}}_1, \bar{\bar{y}}_8) = \{\bar{\bar{y}}_2, \bar{\bar{y}}_3, \bar{\bar{y}}_4, S_{12}, \bar{\bar{y}}_5, \bar{\bar{y}}_6, S_{19}, S_{32}, S_{33}, S_{35}, S_{36}, S_{37}, S_{38}, S_{40}, \bar{\bar{y}}_9, S_{28}\}$

$E(\bar{\bar{y}}_2) = \{\bar{\bar{y}}_3, \bar{\bar{y}}_4, S_{12}, \bar{\bar{y}}_5, \bar{\bar{y}}_6, S_{19}, S_{32}, S_{33}, S_{34}, S_{35}, S_{36}, S_{37}, S_{38}, S_{39}, S_{40}\}$

$\bar{\bar{y}}_2 \in N_2(\bar{\bar{y}}_1, \bar{\bar{y}}_8)$ – выполняется
$N_1(\bar{\bar{y}}_1, \bar{\bar{y}}_8) \subseteq E(\bar{\bar{y}}_2)$ – выполняется
выполняется

1)$\bar{\bar{y}}_1 \nrightarrow \bar{\bar{y}}_9$
2)$\bar{\bar{y}}_2$
$E(\bar{\bar{y}}_1) = \{\bar{\bar{y}}_2, \bar{\bar{y}}_3, \bar{\bar{y}}_4, S_{12}, \bar{\bar{y}}_5, \bar{\bar{y}}_6, S_{19}, S_{32}, S_{33}, S_{34}, S_{35}, S_{36}, S_{37}, S_{38}, S_{39}, S_{40}\}$
$E(\bar{\bar{y}}_9) = \{S_{28}, S_{34}\}$
$N_1(\bar{\bar{y}}_1, \bar{\bar{y}}_9) = \{S_{34}\}$
$N_2(\bar{\bar{y}}_1, \bar{\bar{y}}_9) = \{\bar{\bar{y}}_2, \bar{\bar{y}}_3, \bar{\bar{y}}_4, S_{12}, \bar{\bar{y}}_5, \bar{\bar{y}}_6, S_{19}, S_{32}, S_{33}, S_{35}, S_{36}, S_{37}, S_{38}, S_{39}, S_{40}, S_{28}\}$
$E(\bar{\bar{y}}_2) = \{\bar{\bar{y}}_3, \bar{\bar{y}}_4, S_{12}, \bar{\bar{y}}_5, \bar{\bar{y}}_6, S_{19}, S_{32}, S_{33}, S_{34}, S_{35}, S_{36}, S_{37}, S_{38}, S_{39}, S_{40}\}$
$\bar{\bar{y}}_2 \in N_2(\bar{\bar{y}}_1, \bar{\bar{y}}_9)$ – выполняется
$N_1(\bar{\bar{y}}_1, \bar{\bar{y}}_9) \subseteq E(\bar{\bar{y}}_2)$ – выполняется
выполняется

1)$\bar{\bar{y}}_1 \nrightarrow S_{28}$
2)$\bar{\bar{y}}_2$
$E(\bar{\bar{y}}_1) = \{\bar{\bar{y}}_2, \bar{\bar{y}}_3, \bar{\bar{y}}_4, S_{12}, \bar{\bar{y}}_5, \bar{\bar{y}}_6, S_{19}, S_{32}, S_{33}, S_{34}, S_{35}, S_{36}, S_{37}, S_{38}, S_{39}, S_{40}\}$
$E(S_{28}) = \varnothing$
$N_1(\bar{\bar{y}}_1, S_{28}) = \varnothing$
$N_2(\bar{\bar{y}}_1, S_{28}) = \{\bar{\bar{y}}_2, \bar{\bar{y}}_3, \bar{\bar{y}}_4, S_{12}, \bar{\bar{y}}_5, \bar{\bar{y}}_6, S_{19}, S_{32}, S_{33}, S_{34}, S_{35}, S_{36}, S_{37}, S_{38}, S_{39}, S_{40}\}$
$E(\bar{\bar{y}}_2) = \{\bar{\bar{y}}_3, \bar{\bar{y}}_4, S_{12}, \bar{\bar{y}}_5, \bar{\bar{y}}_6, S_{19}, S_{32}, S_{33}, S_{34}, S_{35}, S_{36}, S_{37}, S_{38}, S_{39}, S_{40}\}$
$\bar{\bar{y}}_2 \in N_2(\bar{\bar{y}}_1, S_{28})$ – выполняется
$N_1(\bar{\bar{y}}_1, S_{28}) \subseteq E(\bar{\bar{y}}_2)$ – выполняется
выполняется

1)$\bar{\bar{y}}_1 \nrightarrow S_{29}$
2)$\bar{\bar{y}}_2$
$E(\bar{\bar{y}}_1) = \{\bar{\bar{y}}_2, \bar{\bar{y}}_3, \bar{\bar{y}}_4, S_{12}, \bar{\bar{y}}_5, \bar{\bar{y}}_6, S_{19}, S_{32}, S_{33}, S_{34}, S_{35}, S_{36}, S_{37}, S_{38}, S_{39}, S_{40}\}$
$E(S_{29}) = \{S_{31}, S_{40}\}$
$N_1(\bar{\bar{y}}_1, S_{29}) = \{S_{40}\}$
$N_2(\bar{\bar{y}}_1, S_{29}) = \{\bar{\bar{y}}_2, \bar{\bar{y}}_3, \bar{\bar{y}}_4, S_{12}, \bar{\bar{y}}_5, \bar{\bar{y}}_6, S_{19}, S_{32}, S_{33}, S_{34}, S_{35}, S_{36}, S_{37}, S_{38}, S_{39}, S_{31}\}$
$E(\bar{\bar{y}}_2) = \{\bar{\bar{y}}_3, \bar{\bar{y}}_4, S_{12}, \bar{\bar{y}}_5, \bar{\bar{y}}_6, S_{19}, S_{32}, S_{33}, S_{34}, S_{35}, S_{36}, S_{37}, S_{38}, S_{39}, S_{40}\}$
$\bar{\bar{y}}_2 \in N_2(\bar{\bar{y}}_1, S_{29})$ – выполняется
$N_1(\bar{\bar{y}}_1, S_{29}) \subseteq E(\bar{\bar{y}}_2)$ – выполняется
выполняется
На текущей итерации был выделен параллллельный групповой оператор $\bar{\bar{y}}_{10} = \{S_{28}, S_{29}, S_{30}\}$

Итерация №11

Отношения между операторами:

SD =

	$\bar{\bar{y}}_1$	$\bar{\bar{y}}_2$	$\bar{\bar{y}}_3$	$\bar{\bar{y}}_4$	S_{12}	$\bar{\bar{y}}_5$	$\bar{\bar{y}}_6$	S_{19}	$\bar{\bar{y}}_7$	$\bar{\bar{y}}_8$	$\bar{\bar{y}}_9$	$\bar{\bar{y}}_{10}$	S_{31}	S_{32}	S_{33}	S_{34}	S_{35}	S_{36}	S_{37}	S_{38}	S_{39}	S_{40}
$\bar{\bar{y}}_1$	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
$\bar{\bar{y}}_2$	0	0	1	1	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0
$\bar{\bar{y}}_3$	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	1	0	1	0	0	0
$\bar{\bar{y}}_4$	0	0	0	0	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0
S_{12}	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
$\bar{\bar{y}}_5$	0	0	0	0	0	0	1	0	0	0	0	0	0	1	1	1	1	1	1	1	1	1
$\bar{\bar{y}}_6$	0	0	0	0	0	0	0	1	0	0	0	0	0	0	1	0	0	0	0	0	0	0
S_{19}	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0
$\bar{\bar{y}}_7$	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0
$\bar{\bar{y}}_8$	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	1	0
$\bar{\bar{y}}_9$	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	1	0	0	0	0	0	0
$\bar{\bar{y}}_{10}$	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0
S_{31}	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1
S_{32}	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
S_{33}	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
S_{34}	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
S_{35}	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
S_{36}	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
S_{37}	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
S_{38}	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
S_{39}	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
S_{40}	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0

WD =

	$\bar{\bar{y}}_1$	$\bar{\bar{y}}_2$	$\bar{\bar{y}}_3$	$\bar{\bar{y}}_4$	S_{12}	$\bar{\bar{y}}_5$	$\bar{\bar{y}}_6$	S_{19}	$\bar{\bar{y}}_7$	$\bar{\bar{y}}_8$	$\bar{\bar{y}}_9$	$\bar{\bar{y}}_{10}$	S_{31}	S_{32}	S_{33}	S_{34}	S_{35}	S_{36}	S_{37}	S_{38}	S_{39}	S_{40}
$\bar{\bar{y}}_1$	0	1	1	1	1	1	1	1	0	0	0	0	0	1	1	1	1	1	1	1	1	1
$\bar{\bar{y}}_2$	0	0	1	1	1	1	1	1	0	0	0	0	0	1	1	1	1	1	1	1	1	1
$\bar{\bar{y}}_3$	0	0	0	1	1	1	1	1	0	0	0	0	0	1	1	1	1	1	1	1	1	1
$\bar{\bar{y}}_4$	0	0	0	0	1	1	1	1	0	0	0	0	0	1	1	1	1	1	1	1	1	1
S_{12}	0	0	0	0	0	1	1	1	0	0	0	0	0	1	1	1	1	1	1	1	1	1
$\bar{\bar{y}}_5$	0	0	0	0	0	0	1	1	0	0	0	0	0	1	1	1	1	1	1	1	1	1
$\bar{\bar{y}}_6$	0	0	0	0	0	0	0	1	0	0	0	0	0	0	1	0	0	1	0	0	0	0
S_{19}	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0
$\bar{\bar{y}}_7$	0	0	0	0	0	0	0	0	0	1	1	1	1	0	0	1	0	0	0	0	1	1
$\bar{\bar{y}}_8$	0	0	0	0	0	0	0	0	0	0	1	1	1	0	0	1	0	0	0	0	1	1
$\bar{\bar{y}}_9$	0	0	0	0	0	0	0	0	0	0	0	1	1	0	0	1	0	0	0	0	0	1
$\bar{\bar{y}}_{10}$	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	1
S_{31}	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1
S_{32}	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
S_{33}	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
S_{34}	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
S_{35}	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
S_{36}	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
S_{37}	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
S_{38}	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
S_{39}	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
S_{40}	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0

C =

	$\bar{\bar{y}}_1$	$\bar{\bar{y}}_2$	$\bar{\bar{y}}_3$	$\bar{\bar{y}}_4$	S_{12}	$\bar{\bar{y}}_5$	$\bar{\bar{y}}_6$	S_{19}	$\bar{\bar{y}}_7$	$\bar{\bar{y}}_8$	$\bar{\bar{y}}_9$	$\bar{\bar{y}}_{10}$	S_{31}	S_{32}	S_{33}	S_{34}	S_{35}	S_{36}	S_{37}	S_{38}	S_{39}	S_{40}
$\bar{\bar{y}}_1$	1	0	0	0	0	0	0	0	1	1	1	1	1	0	0	0	0	0	0	0	0	0
$\bar{\bar{y}}_2$	0	1	0	0	0	0	0	0	1	1	1	1	1	0	0	0	0	0	0	0	0	0
$\bar{\bar{y}}_3$	0	0	1	0	0	0	0	0	1	1	1	1	1	0	0	0	0	0	0	0	0	0
$\bar{\bar{y}}_4$	0	0	0	1	0	0	0	0	1	1	1	1	1	0	0	0	0	0	0	0	0	0
S_{12}	0	0	0	0	1	0	0	0	1	1	1	1	1	0	0	0	0	0	0	0	0	0
$\bar{\bar{y}}_5$	0	0	0	0	0	1	0	0	1	1	1	1	1	0	0	0	0	0	0	0	0	0
$\bar{\bar{y}}_6$	0	0	0	0	0	0	1	0	1	0	1	1	1	1	0	1	1	0	1	1	1	1
S_{19}	0	0	0	0	0	0	0	1	0	1	1	1	1	1	1	1	1	0	1	1	1	1
$\bar{\bar{y}}_7$	1	1	1	1	1	1	1	0	1	0	0	0	0	1	1	0	1	1	1	1	0	0
$\bar{\bar{y}}_8$	1	1	1	1	1	1	0	1	0	1	0	0	0	1	1	0	1	1	1	1	0	0
$\bar{\bar{y}}_9$	1	1	1	1	1	1	1	1	0	0	1	0	0	1	1	0	1	1	1	1	1	0
$\bar{\bar{y}}_{10}$	1	1	1	1	1	1	1	1	0	0	0	1	0	1	1	1	1	1	1	1	1	0
S_{31}	1	1	1	1	1	1	1	1	0	0	0	0	1	1	1	1	1	1	1	1	1	0
S_{32}	0	0	0	0	0	0	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
S_{33}	0	0	0	0	0	0	0	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
S_{34}	0	0	0	0	0	0	1	1	0	0	0	1	1	1	1	1	1	1	1	1	1	1
S_{35}	0	0	0	0	0	0	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
S_{36}	0	0	0	0	0	0	0	0	1	1	1	1	1	1	1	1	1	1	1	1	1	1
S_{37}	0	0	0	0	0	0	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
S_{38}	0	0	0	0	0	0	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
S_{39}	0	0	0	0	0	0	1	1	0	0	1	1	1	1	1	1	1	1	1	1	1	1
S_{40}	0	0	0	0	0	0	1	1	0	0	0	0	0	1	1	1	1	1	1	1	1	1

SI =

	$\bar{\bar{y}}_1$	$\bar{\bar{y}}_2$	$\bar{\bar{y}}_3$	$\bar{\bar{y}}_4$	S_{12}	$\bar{\bar{y}}_5$	$\bar{\bar{y}}_6$	S_{19}	$\bar{\bar{y}}_7$	$\bar{\bar{y}}_8$	$\bar{\bar{y}}_9$	$\bar{\bar{y}}_{10}$	S_{31}	S_{32}	S_{33}	S_{34}	S_{35}	S_{36}	S_{37}	S_{38}	S_{39}	S_{40}
$\bar{\bar{y}}_1$	1	0	0	0	0	0	0	0	1	1	1	1	1	0	0	0	0	0	0	0	0	0
$\bar{\bar{y}}_2$	0	1	0	0	0	0	0	0	1	1	1	1	1	0	0	0	0	0	0	0	0	0
$\bar{\bar{y}}_3$	0	0	1	0	0	0	0	0	1	1	1	1	1	0	0	0	0	0	0	0	0	0
$\bar{\bar{y}}_4$	0	0	0	1	0	0	0	0	1	1	1	1	1	0	0	0	0	0	0	0	0	0
S_{12}	0	0	0	0	1	0	0	0	1	1	1	1	1	0	0	0	0	0	0	0	0	0
$\bar{\bar{y}}_5$	0	0	0	0	0	1	0	0	1	1	1	1	1	0	0	0	0	0	0	0	0	0
$\bar{\bar{y}}_6$	0	0	0	0	0	0	1	0	0	0	1	1	1	1	0	1	1	0	1	1	1	1
S_{19}	0	0	0	0	0	0	0	1	0	1	1	1	1	1	1	1	1	0	1	1	1	1
$\bar{\bar{y}}_7$	1	1	1	1	1	1	0	0	1	0	0	0	0	1	1	0	1	1	1	1	0	0
$\bar{\bar{y}}_8$	1	1	1	1	1	1	0	1	0	1	0	0	0	1	1	0	1	1	1	1	0	0
$\bar{\bar{y}}_9$	1	1	1	1	1	1	1	1	0	0	1	0	0	1	1	0	1	1	1	1	1	0
$\bar{\bar{y}}_{10}$	1	1	1	1	1	1	1	1	0	0	0	1	0	1	1	1	1	1	1	1	1	0
S_{31}	1	1	1	1	1	1	1	1	0	0	0	0	1	1	1	1	1	1	1	1	1	0
S_{32}	0	0	0	0	0	0	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
S_{33}	0	0	0	0	0	0	0	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
S_{34}	0	0	0	0	0	0	1	1	0	0	0	1	1	1	1	1	1	1	1	1	1	1
S_{35}	0	0	0	0	0	0	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
S_{36}	0	0	0	0	0	0	0	0	1	1	1	1	1	1	1	1	1	1	1	1	1	1
S_{37}	0	0	0	0	0	0	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
S_{38}	0	0	0	0	0	0	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
S_{39}	0	0	0	0	0	0	1	1	0	0	1	1	1	1	1	1	1	1	1	1	1	1
S_{40}	0	0	0	0	0	0	1	1	0	0	0	0	0	1	1	1	1	1	1	1	1	1

Проверка условия приводимости программы к ППФ (5 из 115):
$1)\bar{\bar{y}}_1 \nrightarrow \bar{\bar{y}}_7$
$2)\bar{\bar{y}}_2$
$E(\bar{\bar{y}}_1) = \{\bar{\bar{y}}_2, \bar{\bar{y}}_3, \bar{\bar{y}}_4, S_{12}, \bar{\bar{y}}_5, \bar{\bar{y}}_6, S_{19}, S_{32}, S_{33}, S_{34}, S_{35}, S_{36}, S_{37}, S_{38}, S_{39}, S_{40}\}$
$E(\bar{\bar{y}}_7) = \{\bar{\bar{y}}_8, \bar{\bar{y}}_9, \bar{\bar{y}}_{10}, S_{31}, S_{34}, S_{39}, S_{40}\}$
$N_1(\bar{\bar{y}}_1, \bar{\bar{y}}_7) = \{S_{34}, S_{39}, S_{40}\}$
$N_2(\bar{\bar{y}}_1, \bar{\bar{y}}_7) = \{\bar{\bar{y}}_2, \bar{\bar{y}}_3, \bar{\bar{y}}_4, S_{12}, \bar{\bar{y}}_5, \bar{\bar{y}}_6, S_{19}, S_{32}, S_{33}, S_{35}, S_{36}, S_{37}, S_{38}, \bar{\bar{y}}_8, \bar{\bar{y}}_9, \bar{\bar{y}}_{10}, S_{31}\}$
$E(\bar{\bar{y}}_2) = \{\bar{\bar{y}}_3, \bar{\bar{y}}_4, S_{12}, \bar{\bar{y}}_5, \bar{\bar{y}}_6, S_{19}, S_{32}, S_{33}, S_{34}, S_{35}, S_{36}, S_{37}, S_{38}, S_{39}, S_{40}\}$
$\bar{\bar{y}}_2 \in N_2(\bar{\bar{y}}_1, \bar{\bar{y}}_7)$ – выполняется
$N_1(\bar{\bar{y}}_1, \bar{\bar{y}}_7) \subseteq E(\bar{\bar{y}}_2)$ – выполняется
выполняется

$1)\bar{\bar{y}}_1 \nrightarrow \bar{\bar{y}}_8$
$2)\bar{\bar{y}}_2$
$E(\bar{\bar{y}}_1) = \{\bar{\bar{y}}_2, \bar{\bar{y}}_3, \bar{\bar{y}}_4, S_{12}, \bar{\bar{y}}_5, \bar{\bar{y}}_6, S_{19}, S_{32}, S_{33}, S_{34}, S_{35}, S_{36}, S_{37}, S_{38}, S_{39}, S_{40}\}$
$E(\bar{\bar{y}}_8) = \{\bar{\bar{y}}_9, \bar{\bar{y}}_{10}, S_{31}, S_{34}, S_{39}, S_{40}\}$
$N_1(\bar{\bar{y}}_1, \bar{\bar{y}}_8) = \{S_{34}, S_{39}, S_{40}\}$
$N_2(\bar{\bar{y}}_1, \bar{\bar{y}}_8) = \{\bar{\bar{y}}_2, \bar{\bar{y}}_3, \bar{\bar{y}}_4, S_{12}, \bar{\bar{y}}_5, \bar{\bar{y}}_6, S_{19}, S_{32}, S_{33}, S_{35}, S_{36}, S_{37}, S_{38}, \bar{\bar{y}}_9, \bar{\bar{y}}_{10}, S_{31}\}$
$E(\bar{\bar{y}}_2) = \{\bar{\bar{y}}_3, \bar{\bar{y}}_4, S_{12}, \bar{\bar{y}}_5, \bar{\bar{y}}_6, S_{19}, S_{32}, S_{33}, S_{34}, S_{35}, S_{36}, S_{37}, S_{38}, S_{39}, S_{40}\}$
$\bar{\bar{y}}_2 \in N_2(\bar{\bar{y}}_1, \bar{\bar{y}}_8)$ – выполняется
$N_1(\bar{\bar{y}}_1, \bar{\bar{y}}_8) \subseteq E(\bar{\bar{y}}_2)$ – выполняется
выполняется

$1)\bar{\bar{y}}_1 \nrightarrow \bar{\bar{y}}_9$
$2)\bar{\bar{y}}_2$
$E(\bar{\bar{y}}_1) = \{\bar{\bar{y}}_2, \bar{\bar{y}}_3, \bar{\bar{y}}_4, S_{12}, \bar{\bar{y}}_5, \bar{\bar{y}}_6, S_{19}, S_{32}, S_{33}, S_{34}, S_{35}, S_{36}, S_{37}, S_{38}, S_{39}, S_{40}\}$
$E(\bar{\bar{y}}_9) = \{\bar{\bar{y}}_{10}, S_{31}, S_{34}, S_{40}\}$
$N_1(\bar{\bar{y}}_1, \bar{\bar{y}}_9) = \{S_{34}, S_{40}\}$
$N_2(\bar{\bar{y}}_1, \bar{\bar{y}}_9) = \{\bar{\bar{y}}_2, \bar{\bar{y}}_3, \bar{\bar{y}}_4, S_{12}, \bar{\bar{y}}_5, \bar{\bar{y}}_6, S_{19}, S_{32}, S_{33}, S_{35}, S_{36}, S_{37}, S_{38}, S_{39}, \bar{\bar{y}}_{10}, S_{31}\}$
$E(\bar{\bar{y}}_2) = \{\bar{\bar{y}}_3, \bar{\bar{y}}_4, S_{12}, \bar{\bar{y}}_5, \bar{\bar{y}}_6, S_{19}, S_{32}, S_{33}, S_{34}, S_{35}, S_{36}, S_{37}, S_{38}, S_{39}, S_{40}\}$
$\bar{\bar{y}}_2 \in N_2(\bar{\bar{y}}_1, \bar{\bar{y}}_9)$ – выполняется
$N_1(\bar{\bar{y}}_1, \bar{\bar{y}}_9) \subseteq E(\bar{\bar{y}}_2)$ – выполняется
выполняется

$1)\bar{\bar{y}}_1 \nrightarrow \bar{\bar{y}}_{10}$
$2)\bar{\bar{y}}_2$
$E(\bar{\bar{y}}_1) = \{\bar{\bar{y}}_2, \bar{\bar{y}}_3, \bar{\bar{y}}_4, S_{12}, \bar{\bar{y}}_5, \bar{\bar{y}}_6, S_{19}, S_{32}, S_{33}, S_{34}, S_{35}, S_{36}, S_{37}, S_{38}, S_{39}, S_{40}\}$
$E(\bar{\bar{y}}_{10}) = \{S_{31}, S_{40}\}$
$N_1(\bar{\bar{y}}_1, \bar{\bar{y}}_{10}) = \{S_{40}\}$
$N_2(\bar{\bar{y}}_1, \bar{\bar{y}}_{10}) = \{\bar{\bar{y}}_2, \bar{\bar{y}}_3, \bar{\bar{y}}_4, S_{12}, \bar{\bar{y}}_5, \bar{\bar{y}}_6, S_{19}, S_{32}, S_{33}, S_{34}, S_{35}, S_{36}, S_{37}, S_{38}, S_{39}, S_{31}\}$

$E(\bar{\bar{y}}_2) = \{\bar{\bar{y}}_3, \bar{\bar{y}}_4, S_{12}, \bar{\bar{y}}_5, \bar{\bar{y}}_6, S_{19}, S_{32}, S_{33}, S_{34}, S_{35}, S_{36}, S_{37}, S_{38}, S_{39}, S_{40}\}$
$\bar{\bar{y}}_2 \in N_2(\bar{\bar{y}}_1, \bar{\bar{y}}_{10})$ – выполняется
$N_1(\bar{\bar{y}}_1, \bar{\bar{y}}_{10}) \subseteq E(\bar{\bar{y}}_2)$ – выполняется
выполняется

1)$\bar{\bar{y}}_1 \nrightarrow S_{31}$
2)$\bar{\bar{y}}_2$
$E(\bar{\bar{y}}_1) = \{\bar{\bar{y}}_2, \bar{\bar{y}}_3, \bar{\bar{y}}_4, S_{12}, \bar{\bar{y}}_5, \bar{\bar{y}}_6, S_{19}, S_{32}, S_{33}, S_{34}, S_{35}, S_{36}, S_{37}, S_{38}, S_{39}, S_{40}\}$
$E(S_{31}) = \{S_{40}\}$
$N_1(\bar{\bar{y}}_1, S_{31}) = \{S_{40}\}$
$N_2(\bar{\bar{y}}_1, S_{31}) = \{\bar{\bar{y}}_2, \bar{\bar{y}}_3, \bar{\bar{y}}_4, S_{12}, \bar{\bar{y}}_5, \bar{\bar{y}}_6, S_{19}, S_{32}, S_{33}, S_{34}, S_{35}, S_{36}, S_{37}, S_{38}, S_{39}\}$
$E(\bar{\bar{y}}_2) = \{\bar{\bar{y}}_3, \bar{\bar{y}}_4, S_{12}, \bar{\bar{y}}_5, \bar{\bar{y}}_6, S_{19}, S_{32}, S_{33}, S_{34}, S_{35}, S_{36}, S_{37}, S_{38}, S_{39}, S_{40}\}$
$\bar{\bar{y}}_2 \in N_2(\bar{\bar{y}}_1, S_{31})$ – выполняется
$N_1(\bar{\bar{y}}_1, S_{31}) \subseteq E(\bar{\bar{y}}_2)$ – выполняется
выполняется
На текущей итерации был выделен параллллельный групповой оператор $\bar{\bar{y}}_{11} = \{S_{31}, S_{32}, S_{33}, S_{34}, S_{35}, S_{36}, S_{37}, S_{38}, S_{39}\}$

Итерация №12

Отношения между операторами:

SD =

	$\bar{\bar{y}}_1$	$\bar{\bar{y}}_2$	$\bar{\bar{y}}_3$	$\bar{\bar{y}}_4$	S_{12}	$\bar{\bar{y}}_5$	$\bar{\bar{y}}_6$	S_{19}	$\bar{\bar{y}}_7$	$\bar{\bar{y}}_8$	$\bar{\bar{y}}_9$	$\bar{\bar{y}}_{10}$	$\bar{\bar{y}}_{11}$	S_{40}
$\bar{\bar{y}}_1$	0	1	0	0	0	0	0	0	0	0	0	0	0	0
$\bar{\bar{y}}_2$	0	0	1	1	0	0	0	0	0	0	0	0	1	0
$\bar{\bar{y}}_3$	0	0	0	1	0	0	0	0	0	0	0	0	1	0
$\bar{\bar{y}}_4$	0	0	0	0	1	1	0	0	0	0	0	0	1	0
S_{12}	0	0	0	0	0	1	0	0	0	0	0	0	0	0
$\bar{\bar{y}}_5$	0	0	0	0	0	0	1	0	0	0	0	0	1	1
$\bar{\bar{y}}_6$	0	0	0	0	0	0	0	1	0	0	0	0	1	0
S_{19}	0	0	0	0	0	0	0	0	0	0	0	0	1	0
$\bar{\bar{y}}_7$	0	0	0	0	0	0	0	0	0	1	0	0	0	0
$\bar{\bar{y}}_8$	0	0	0	0	0	0	0	0	0	0	1	0	1	0
$\bar{\bar{y}}_9$	0	0	0	0	0	0	0	0	0	0	0	1	1	0
$\bar{\bar{y}}_{10}$	0	0	0	0	0	0	0	0	0	0	0	0	1	0
$\bar{\bar{y}}_{11}$	0	0	0	0	0	0	0	0	0	0	0	0	0	1
S_{40}	0	0	0	0	0	0	0	0	0	0	0	0	0	0

WD =

	$\bar{\bar{y}}_1$	$\bar{\bar{y}}_2$	$\bar{\bar{y}}_3$	$\bar{\bar{y}}_4$	S_{12}	$\bar{\bar{y}}_5$	$\bar{\bar{y}}_6$	S_{19}	$\bar{\bar{y}}_7$	$\bar{\bar{y}}_8$	$\bar{\bar{y}}_9$	$\bar{\bar{y}}_{10}$	$\bar{\bar{y}}_{11}$	S_{40}
$\bar{\bar{y}}_1$	0	1	1	1	1	1	1	1	0	0	0	0	1	1
$\bar{\bar{y}}_2$	0	0	1	1	1	1	1	1	0	0	0	0	1	1
$\bar{\bar{y}}_3$	0	0	0	1	1	1	1	1	0	0	0	0	1	1
$\bar{\bar{y}}_4$	0	0	0	0	1	1	1	1	0	0	0	0	1	1
S_{12}	0	0	0	0	0	1	1	1	0	0	0	0	1	1
$\bar{\bar{y}}_5$	0	0	0	0	0	0	1	1	0	0	0	0	1	1
$\bar{\bar{y}}_6$	0	0	0	0	0	0	0	1	0	0	0	0	1	1
S_{19}	0	0	0	0	0	0	0	0	0	0	0	0	1	1
$\bar{\bar{y}}_7$	0	0	0	0	0	0	0	0	0	1	1	1	1	1
$\bar{\bar{y}}_8$	0	0	0	0	0	0	0	0	0	0	1	1	1	1
$\bar{\bar{y}}_9$	0	0	0	0	0	0	0	0	0	0	0	1	1	1
$\bar{\bar{y}}_{10}$	0	0	0	0	0	0	0	0	0	0	0	0	1	1
$\bar{\bar{y}}_{11}$	0	0	0	0	0	0	0	0	0	0	0	0	0	1
S_{40}	0	0	0	0	0	0	0	0	0	0	0	0	0	0

C =

	$\bar{\bar{y}}_1$	$\bar{\bar{y}}_2$	$\bar{\bar{y}}_3$	$\bar{\bar{y}}_4$	S_{12}	$\bar{\bar{y}}_5$	$\bar{\bar{y}}_6$	S_{19}	$\bar{\bar{y}}_7$	$\bar{\bar{y}}_8$	$\bar{\bar{y}}_9$	$\bar{\bar{y}}_{10}$	$\bar{\bar{y}}_{11}$	S_{40}
$\bar{\bar{y}}_1$	1	0	0	0	0	0	0	0	1	1	1	1	0	0
$\bar{\bar{y}}_2$	0	1	0	0	0	0	0	0	1	1	1	1	0	0
$\bar{\bar{y}}_3$	0	0	1	0	0	0	0	0	1	1	1	1	0	0
$\bar{\bar{y}}_4$	0	0	0	1	0	0	0	0	1	1	1	1	0	0
S_{12}	0	0	0	0	1	0	0	0	1	1	1	1	0	0
$\bar{\bar{y}}_5$	0	0	0	0	0	1	0	0	1	1	1	1	0	0
$\bar{\bar{y}}_6$	0	0	0	0	0	0	1	0	1	0	1	1	0	0
S_{19}	0	0	0	0	0	0	0	1	0	1	1	1	0	0
$\bar{\bar{y}}_7$	1	1	1	1	1	1	1	0	1	0	0	0	0	0
$\bar{\bar{y}}_8$	1	1	1	1	1	1	0	1	0	1	0	0	0	0
$\bar{\bar{y}}_9$	1	1	1	1	1	1	1	1	0	0	1	0	0	0
$\bar{\bar{y}}_{10}$	1	1	1	1	1	1	1	1	0	0	0	1	0	0
$\bar{\bar{y}}_{11}$	0	0	0	0	0	0	0	0	0	0	0	0	1	0
S_{40}	0	0	0	0	0	0	0	0	0	0	0	0	0	1

SI =

	$\bar{\bar{y}}_1$	$\bar{\bar{y}}_2$	$\bar{\bar{y}}_3$	$\bar{\bar{y}}_4$	S_{12}	$\bar{\bar{y}}_5$	$\bar{\bar{y}}_6$	S_{19}	$\bar{\bar{y}}_7$	$\bar{\bar{y}}_8$	$\bar{\bar{y}}_9$	$\bar{\bar{y}}_{10}$	$\bar{\bar{y}}_{11}$	S_{40}
$\bar{\bar{y}}_1$	1	0	0	0	0	0	0	0	1	1	1	1	0	0
$\bar{\bar{y}}_2$	0	1	0	0	0	0	0	0	1	1	1	1	0	0
$\bar{\bar{y}}_3$	0	0	1	0	0	0	0	0	1	1	1	1	0	0
$\bar{\bar{y}}_4$	0	0	0	1	0	0	0	0	1	1	1	1	0	0
S_{12}	0	0	0	0	1	0	0	0	1	1	1	1	0	0
$\bar{\bar{y}}_5$	0	0	0	0	0	1	0	0	1	1	1	1	0	0
$\bar{\bar{y}}_6$	0	0	0	0	0	0	1	0	0	0	1	1	0	0
S_{19}	0	0	0	0	0	0	0	1	0	1	1	1	0	0
$\bar{\bar{y}}_7$	1	1	1	1	1	1	0	0	1	0	0	0	0	0
$\bar{\bar{y}}_8$	1	1	1	1	1	1	0	1	0	1	0	0	0	0
$\bar{\bar{y}}_9$	1	1	1	1	1	1	1	1	0	0	1	0	0	0
$\bar{\bar{y}}_{10}$	1	1	1	1	1	1	1	1	0	0	0	1	0	0
$\bar{\bar{y}}_{11}$	0	0	0	0	0	0	0	0	0	0	0	0	1	0
S_{40}	0	0	0	0	0	0	0	0	0	0	0	0	0	1

Проверка условия приводимости программы к ППФ (5 из 30):
$1)\bar{\bar{y}}_1 \nrightarrow \bar{\bar{y}}_7$
$2)\bar{\bar{y}}_2$
$E(\bar{\bar{y}}_1) = \{\bar{\bar{y}}_2, \bar{\bar{y}}_3, \bar{\bar{y}}_4, S_{12}, \bar{\bar{y}}_5, \bar{\bar{y}}_6, S_{19}, \bar{\bar{y}}_{11}, S_{40}\}$
$E(\bar{\bar{y}}_7) = \{\bar{\bar{y}}_8, \bar{\bar{y}}_9, \bar{\bar{y}}_{10}, \bar{\bar{y}}_{11}, S_{40}\}$
$N_1(\bar{\bar{y}}_1, \bar{\bar{y}}_7) = \{\bar{\bar{y}}_{11}, S_{40}\}$
$N_2(\bar{\bar{y}}_1, \bar{\bar{y}}_7) = \{\bar{\bar{y}}_2, \bar{\bar{y}}_3, \bar{\bar{y}}_4, S_{12}, \bar{\bar{y}}_5, \bar{\bar{y}}_6, S_{19}, \bar{\bar{y}}_8, \bar{\bar{y}}_9, \bar{\bar{y}}_{10}\}$
$E(\bar{\bar{y}}_2) = \{\bar{\bar{y}}_3, \bar{\bar{y}}_4, S_{12}, \bar{\bar{y}}_5, \bar{\bar{y}}_6, S_{19}, \bar{\bar{y}}_{11}, S_{40}\}$
$\bar{\bar{y}}_2 \in N_2(\bar{\bar{y}}_1, \bar{\bar{y}}_7) -$ выполняется
$N_1(\bar{\bar{y}}_1, \bar{\bar{y}}_7) \subseteq E(\bar{\bar{y}}_2) -$ выполняется
выполняется

$1)\bar{\bar{y}}_1 \nrightarrow \bar{\bar{y}}_8$
$2)\bar{\bar{y}}_2$
$E(\bar{\bar{y}}_1) = \{\bar{\bar{y}}_2, \bar{\bar{y}}_3, \bar{\bar{y}}_4, S_{12}, \bar{\bar{y}}_5, \bar{\bar{y}}_6, S_{19}, \bar{\bar{y}}_{11}, S_{40}\}$
$E(\bar{\bar{y}}_8) = \{\bar{\bar{y}}_9, \bar{\bar{y}}_{10}, \bar{\bar{y}}_{11}, S_{40}\}$
$N_1(\bar{\bar{y}}_1, \bar{\bar{y}}_8) = \{\bar{\bar{y}}_{11}, S_{40}\}$
$N_2(\bar{\bar{y}}_1, \bar{\bar{y}}_8) = \{\bar{\bar{y}}_2, \bar{\bar{y}}_3, \bar{\bar{y}}_4, S_{12}, \bar{\bar{y}}_5, \bar{\bar{y}}_6, S_{19}, \bar{\bar{y}}_9, \bar{\bar{y}}_{10}\}$
$E(\bar{\bar{y}}_2) = \{\bar{\bar{y}}_3, \bar{\bar{y}}_4, S_{12}, \bar{\bar{y}}_5, \bar{\bar{y}}_6, S_{19}, \bar{\bar{y}}_{11}, S_{40}\}$
$\bar{\bar{y}}_2 \in N_2(\bar{\bar{y}}_1, \bar{\bar{y}}_8) -$ выполняется
$N_1(\bar{\bar{y}}_1, \bar{\bar{y}}_8) \subseteq E(\bar{\bar{y}}_2) -$ выполняется
выполняется

$1)\bar{\bar{y}}_1 \nrightarrow \bar{\bar{y}}_9$
$2)\bar{\bar{y}}_2$
$E(\bar{\bar{y}}_1) = \{\bar{\bar{y}}_2, \bar{\bar{y}}_3, \bar{\bar{y}}_4, S_{12}, \bar{\bar{y}}_5, \bar{\bar{y}}_6, S_{19}, \bar{\bar{y}}_{11}, S_{40}\}$
$E(\bar{\bar{y}}_9) = \{\bar{\bar{y}}_{10}, \bar{\bar{y}}_{11}, S_{40}\}$
$N_1(\bar{\bar{y}}_1, \bar{\bar{y}}_9) = \{\bar{\bar{y}}_{11}, S_{40}\}$
$N_2(\bar{\bar{y}}_1, \bar{\bar{y}}_9) = \{\bar{\bar{y}}_2, \bar{\bar{y}}_3, \bar{\bar{y}}_4, S_{12}, \bar{\bar{y}}_5, \bar{\bar{y}}_6, S_{19}, \bar{\bar{y}}_{10}\}$
$E(\bar{\bar{y}}_2) = \{\bar{\bar{y}}_3, \bar{\bar{y}}_4, S_{12}, \bar{\bar{y}}_5, \bar{\bar{y}}_6, S_{19}, \bar{\bar{y}}_{11}, S_{40}\}$
$\bar{\bar{y}}_2 \in N_2(\bar{\bar{y}}_1, \bar{\bar{y}}_9) -$ выполняется
$N_1(\bar{\bar{y}}_1, \bar{\bar{y}}_9) \subseteq E(\bar{\bar{y}}_2) -$ выполняется
выполняется

$1)\bar{\bar{y}}_1 \nrightarrow \bar{\bar{y}}_{10}$
$2)\bar{\bar{y}}_2$
$E(\bar{\bar{y}}_1) = \{\bar{\bar{y}}_2, \bar{\bar{y}}_3, \bar{\bar{y}}_4, S_{12}, \bar{\bar{y}}_5, \bar{\bar{y}}_6, S_{19}, \bar{\bar{y}}_{11}, S_{40}\}$
$E(\bar{\bar{y}}_{10}) = \{\bar{\bar{y}}_{11}, S_{40}\}$
$N_1(\bar{\bar{y}}_1, \bar{\bar{y}}_{10}) = \{\bar{\bar{y}}_{11}, S_{40}\}$
$N_2(\bar{\bar{y}}_1, \bar{\bar{y}}_{10}) = \{\bar{\bar{y}}_2, \bar{\bar{y}}_3, \bar{\bar{y}}_4, S_{12}, \bar{\bar{y}}_5, \bar{\bar{y}}_6, S_{19}\}$
$E(\bar{\bar{y}}_2) = \{\bar{\bar{y}}_3, \bar{\bar{y}}_4, S_{12}, \bar{\bar{y}}_5, \bar{\bar{y}}_6, S_{19}, \bar{\bar{y}}_{11}, S_{40}\}$
$\bar{\bar{y}}_2 \in N_2(\bar{\bar{y}}_1, \bar{\bar{y}}_{10}) -$ выполняется
$N_1(\bar{\bar{y}}_1, \bar{\bar{y}}_{10}) \subseteq E(\bar{\bar{y}}_2) -$ выполняется
выполняется

1)$\bar{\bar{y}}_2 \nrightarrow \bar{\bar{y}}_7$
2)$\bar{\bar{y}}_3$
$E(\bar{\bar{y}}_2) = \{\bar{\bar{y}}_3, \bar{\bar{y}}_4, S_{12}, \bar{\bar{y}}_5, \bar{\bar{y}}_6, S_{19}, \bar{\bar{y}}_{11}, S_{40}\}$
$E(\bar{\bar{y}}_7) = \{\bar{\bar{y}}_8, \bar{\bar{y}}_9, \bar{\bar{y}}_{10}, \bar{\bar{y}}_{11}, S_{40}\}$
$N_1(\bar{\bar{y}}_2, \bar{\bar{y}}_7) = \{\bar{\bar{y}}_{11}, S_{40}\}$
$N_2(\bar{\bar{y}}_2, \bar{\bar{y}}_7) = \{\bar{\bar{y}}_3, \bar{\bar{y}}_4, S_{12}, \bar{\bar{y}}_5, \bar{\bar{y}}_6, S_{19}, \bar{\bar{y}}_8, \bar{\bar{y}}_9, \bar{\bar{y}}_{10}\}$
$E(\bar{\bar{y}}_3) = \{\bar{\bar{y}}_4, S_{12}, \bar{\bar{y}}_5, \bar{\bar{y}}_6, S_{19}, \bar{\bar{y}}_{11}, S_{40}\}$
$\bar{\bar{y}}_3 \in N_2(\bar{\bar{y}}_2, \bar{\bar{y}}_7) -$ выполняется
$N_1(\bar{\bar{y}}_2, \bar{\bar{y}}_7) \subseteq E(\bar{\bar{y}}_3) -$ выполняется
выполняется
На текущей итерации был выделен последовательный групповой оператор $\bar{y}_1 = \{\bar{\bar{y}}_1, \bar{\bar{y}}_2, \bar{\bar{y}}_3, \bar{\bar{y}}_4, S_{12}, \bar{\bar{y}}_5, \bar{\bar{y}}_6, S_{19}\}$

Итерация №13

Отношения между операторами:

SD =

	$\bar{y}_1$	$\bar{\bar{y}}_7$	$\bar{\bar{y}}_8$	$\bar{\bar{y}}_9$	$\bar{\bar{y}}_{10}$	$\bar{\bar{y}}_{11}$	S_{40}
$\bar{y}_1$	0	0	0	0	0	1	1
$\bar{\bar{y}}_7$	0	0	1	0	0	0	0
$\bar{\bar{y}}_8$	0	0	0	1	0	1	0
$\bar{\bar{y}}_9$	0	0	0	0	1	1	0
$\bar{\bar{y}}_{10}$	0	0	0	0	0	1	0
$\bar{\bar{y}}_{11}$	0	0	0	0	0	0	1
S_{40}	0	0	0	0	0	0	0

WD =

	$\bar{y}_1$	$\bar{\bar{y}}_7$	$\bar{\bar{y}}_8$	$\bar{\bar{y}}_9$	$\bar{\bar{y}}_{10}$	$\bar{\bar{y}}_{11}$	S_{40}
$\bar{y}_1$	0	0	0	0	0	1	1
$\bar{\bar{y}}_7$	0	0	1	1	1	1	1
$\bar{\bar{y}}_8$	0	0	0	1	1	1	1
$\bar{\bar{y}}_9$	0	0	0	0	1	1	1
$\bar{\bar{y}}_{10}$	0	0	0	0	0	1	1
$\bar{\bar{y}}_{11}$	0	0	0	0	0	0	1
S_{40}	0	0	0	0	0	0	0

C =

	$\bar{y}_1$	$\bar{\bar{y}}_7$	$\bar{\bar{y}}_8$	$\bar{\bar{y}}_9$	$\bar{\bar{y}}_{10}$	$\bar{\bar{y}}_{11}$	S_{40}
$\bar{y}_1$	1	0	0	1	1	0	0
$\bar{\bar{y}}_7$	0	1	0	0	0	0	0
$\bar{\bar{y}}_8$	0	0	1	0	0	0	0
$\bar{\bar{y}}_9$	1	0	0	1	0	0	0
$\bar{\bar{y}}_{10}$	1	0	0	0	1	0	0
$\bar{\bar{y}}_{11}$	0	0	0	0	0	1	0
S_{40}	0	0	0	0	0	0	1

SI =

	$\bar{y}_1$	$\bar{\bar{y}}_7$	$\bar{\bar{y}}_8$	$\bar{\bar{y}}_9$	$\bar{\bar{y}}_{10}$	$\bar{\bar{y}}_{11}$	S_{40}
$\bar{y}_1$	1	0	0	1	1	0	0
$\bar{\bar{y}}_7$	0	1	0	0	0	0	0
$\bar{\bar{y}}_8$	0	0	1	0	0	0	0
$\bar{\bar{y}}_9$	1	0	0	1	0	0	0
$\bar{\bar{y}}_{10}$	1	0	0	0	1	0	0
$\bar{\bar{y}}_{11}$	0	0	0	0	0	1	0
S_{40}	0	0	0	0	0	0	1

Проверка условия приводимости программы к ППФ (2 из 2):
1)$\bar{y}_1 \nrightarrow \bar{\bar{y}}_9$
2)$\bar{\bar{y}}_8$
$E(\bar{y}_1) = \{\bar{\bar{y}}_{11}, S_{40}\}$
$E(\bar{\bar{y}}_9) = \{\bar{\bar{y}}_{10}, \bar{\bar{y}}_{11}, S_{40}\}$
$N_1(\bar{y}_1, \bar{\bar{y}}_9) = \{\bar{\bar{y}}_{11}, S_{40}\}$
$N_2(\bar{y}_1, \bar{\bar{y}}_9) = \{\bar{\bar{y}}_{10}\}$
$E(\bar{\bar{y}}_8) = \{\bar{\bar{y}}_9, \bar{\bar{y}}_{10}, \bar{\bar{y}}_{11}, S_{40}\}$
$\bar{\bar{y}}_8 \in N_2(\bar{y}_1, \bar{\bar{y}}_9)$ – не выполняется
$N_1(\bar{y}_1, \bar{\bar{y}}_9) \subseteq E(\bar{\bar{y}}_8)$ – выполняется
не выполняется

1)$\bar{y}_1 \nrightarrow \bar{\bar{y}}_{10}$
2)$\bar{\bar{y}}_9$
$E(\bar{y}_1) = \{\bar{\bar{y}}_{11}, S_{40}\}$
$E(\bar{\bar{y}}_{10}) = \{\bar{\bar{y}}_{11}, S_{40}\}$
$N_1(\bar{y}_1, \bar{\bar{y}}_{10}) = \{\bar{\bar{y}}_{11}, S_{40}\}$
$N_2(\bar{y}_1, \bar{\bar{y}}_{10}) = \varnothing$
$E(\bar{\bar{y}}_9) = \{\bar{\bar{y}}_{10}, \bar{\bar{y}}_{11}, S_{40}\}$
$\bar{\bar{y}}_9 \in N_2(\bar{y}_1, \bar{\bar{y}}_{10})$ – не выполняется
$N_1(\bar{y}_1, \bar{\bar{y}}_{10}) \subseteq E(\bar{\bar{y}}_9)$ – выполняется

не выполняется
На текущей итерации был выделен последовательный групповой оператор $\bar{y}_2 = \{\bar{\bar{y}}_7, \bar{\bar{y}}_8, \bar{\bar{y}}_9, \bar{\bar{y}}_{10}\}$

Итерация №14

Отношения между операторами:

SD =
$$\begin{array}{c} \\ \bar{y}_1 \\ \bar{y}_2 \\ \bar{\bar{y}}_{11} \\ S_{40} \end{array} \begin{array}{c} \begin{array}{cccc} \bar{y}_1 & \bar{y}_2 & \bar{\bar{y}}_{11} & S_{40} \end{array} \\ \begin{bmatrix} 0 & 1 & 1 & 1 \\ 0 & 0 & 1 & 0 \\ 0 & 0 & 0 & 1 \\ 0 & 0 & 0 & 0 \end{bmatrix} \end{array}$$

WD =
$$\begin{array}{c} \\ \bar{y}_1 \\ \bar{y}_2 \\ \bar{\bar{y}}_{11} \\ S_{40} \end{array} \begin{array}{c} \begin{array}{cccc} \bar{y}_1 & \bar{y}_2 & \bar{\bar{y}}_{11} & S_{40} \end{array} \\ \begin{bmatrix} 0 & 1 & 1 & 1 \\ 0 & 0 & 1 & 1 \\ 0 & 0 & 0 & 1 \\ 0 & 0 & 0 & 0 \end{bmatrix} \end{array}$$

C =
$$\begin{array}{c} \\ \bar{y}_1 \\ \bar{y}_2 \\ \bar{\bar{y}}_{11} \\ S_{40} \end{array} \begin{array}{c} \begin{array}{cccc} \bar{y}_1 & \bar{y}_2 & \bar{\bar{y}}_{11} & S_{40} \end{array} \\ \begin{bmatrix} 1 & 0 & 0 & 0 \\ 0 & 1 & 0 & 0 \\ 0 & 0 & 1 & 0 \\ 0 & 0 & 0 & 1 \end{bmatrix} \end{array}$$

SI =
$$\begin{array}{c} \\ \bar{y}_1 \\ \bar{y}_2 \\ \bar{\bar{y}}_{11} \\ S_{40} \end{array} \begin{array}{c} \begin{array}{cccc} \bar{y}_1 & \bar{y}_2 & \bar{\bar{y}}_{11} & S_{40} \end{array} \\ \begin{bmatrix} 1 & 0 & 0 & 0 \\ 0 & 1 & 0 & 0 \\ 0 & 0 & 1 & 0 \\ 0 & 0 & 0 & 1 \end{bmatrix} \end{array}$$

Проверка условия приводимости программы к ППФ (0 из 0):

На текущей итерации был выделен последовательный групповой оператор $\bar{y}_3 = \{\bar{y}_1, \bar{y}_2, \bar{\bar{y}}_{11}, S_{40}\}$

S_1
$C(S_1) = \{a_{2233}\}$
$R(S_1) = \{a_{22}, a_{33}\}$
$I(S_1) = \{a_{22}, a_{33}\}$
$O(S_1) = \{a_{2233}\}$
S_2
$C(S_2) = \{a_{2332}\}$
$R(S_2) = \{a_{23}, a_{32}\}$
$I(S_2) = \{a_{23}, a_{32}\}$
$O(S_2) = \{a_{2332}\}$
S_3
$C(S_3) = \{A_{11}\}$
$R(S_3) = \{a_{2233}, a_{2332}\}$
$I(S_3) = \varnothing$
$O(S_3) = \{A_{11}\}$
S_4
$C(S_4) = \{a_{2133}\}$
$R(S_4) = \{a_{21}, a_{33}\}$
$I(S_4) = \{a_{21}, a_{33}\}$
$O(S_4) = \{a_{2133}\}$
S_5
$C(S_5) = \{a_{2331}\}$
$R(S_5) = \{a_{23}, a_{31}\}$
$I(S_5) = \{a_{23}, a_{31}\}$
$O(S_5) = \{a_{2331}\}$
S_6
$C(S_6) = \{A_{12}\}$
$R(S_6) = \{a_{2133}, a_{2331}\}$
$I(S_6) = \varnothing$
$O(S_6) = \{A_{12}\}$
S_7
$C(S_7) = \{a_{2132}\}$
$R(S_7) = \{a_{21}, a_{32}\}$
$I(S_7) = \{a_{21}, a_{32}\}$
$O(S_7) = \{a_{2132}\}$
S_8
$C(S_8) = \{a_{2232}\}$
$R(S_8) = \{a_{22}, a_{32}\}$
$I(S_8) = \{a_{22}, a_{32}\}$
$O(S_8) = \{a_{2232}\}$
S_9
$C(S_9) = \{A_{13}\}$
$R(S_9) = \{a_{2132}, a_{2232}\}$
$I(S_9) = \varnothing$
$O(S_9) = \{A_{13}\}$
S_{10}
$C(S_{10}) = \{aA_{1111}\}$
$R(S_{10}) = \{a_{11}, A_{11}\}$
$I(S_{10}) = \{a_{11}\}$
$O(S_{10}) = \{aA_{1111}\}$
S_{11}
$C(S_{11}) = \{aA_{1212}\}$
$R(S_{11}) = \{a_{12}, A_{12}\}$
$I(S_{11}) = \{a_{12}\}$
$O(S_{11}) = \{aA_{1212}\}$
S_{12}
$C(S_{12}) = \{aA_{1313}\}$
$R(S_{12}) = \{a_{13}, A_{13}\}$
$I(S_{12}) = \{a_{13}\}$

$O(S_{12}) = \{aA_{1313}\}$
S_{13}
$C(S_{13}) = \{\Delta\}$
$R(S_{13}) = \{aA_{1111}, aA_{1212}, aA_{1313}\}$
$I(S_{13}) = \varnothing$
$O(S_{13}) = \{\Delta\}$
S_{14}
$C(S_{14}) = \{a_{1233}\}$
$R(S_{14}) = \{a_{12}, a_{33}\}$
$I(S_{14}) = \{a_{12}, a_{33}\}$
$O(S_{14}) = \{a_{1233}\}$
S_{15}
$C(S_{15}) = \{a_{1332}\}$
$R(S_{15}) = \{a_{13}, a_{32}\}$
$I(S_{15}) = \{a_{13}, a_{32}\}$
$O(S_{15}) = \{a_{1332}\}$
S_{16}
$C(S_{16}) = \{A_{21}\}$
$R(S_{16}) = \{a_{1233}, a_{1332}\}$
$I(S_{16}) = \varnothing$
$O(S_{16}) = \{A_{21}\}$
S_{17}
$C(S_{17}) = \{a_{1133}\}$
$R(S_{17}) = \{a_{11}, a_{33}\}$
$I(S_{17}) = \{a_{11}, a_{33}\}$
$O(S_{17}) = \varnothing$
S_{18}
$C(S_{18}) = \{a_{1331}\}$
$R(S_{18}) = \{a_{13}, a_{31}\}$
$I(S_{18}) = \{a_{13}, a_{31}\}$
$O(S_{18}) = \{a_{1331}\}$
S_{19}
$C(S_{19}) = \{A_{22}\}$
$R(S_{19}) = \{a_{1133}, a_{1331}\}$
$I(S_{19}) = \varnothing$
$O(S_{19}) = \{A_{22}\}$
S_{20}
$C(S_{20}) = \{a_{1133}\}$
$R(S_{20}) = \{a_{11}, a_{33}\}$
$I(S_{20}) = \{a_{11}, a_{33}\}$
$O(S_{20}) = \{a_{1133}\}$
S_{21}
$C(S_{21}) = \{a_{1231}\}$
$R(S_{21}) = \{a_{12}, a_{31}\}$
$I(S_{21}) = \{a_{12}, a_{31}\}$
$O(S_{21}) = \{a_{1231}\}$
S_{22}
$C(S_{22}) = \{A_{23}\}$
$R(S_{22}) = \{a_{1133}, a_{1231}\}$
$I(S_{22}) = \varnothing$
$O(S_{22}) = \{A_{23}\}$
S_{23}
$C(S_{23}) = \{a_{1223}\}$
$R(S_{23}) = \{a_{12}, a_{23}\}$
$I(S_{23}) = \{a_{12}, a_{23}\}$
$O(S_{23}) = \{a_{1223}\}$
S_{24}
$C(S_{24}) = \{a_{1322}\}$
$R(S_{24}) = \{a_{13}, a_{22}\}$
$I(S_{24}) = \{a_{13}, a_{22}\}$
$O(S_{24}) = \{a_{1322}\}$

S_{25}
$C(S_{25}) = \{A_{31}\}$
$R(S_{25}) = \{a_{1223}, a_{1322}\}$
$I(S_{25}) = \varnothing$
$O(S_{25}) = \{A_{31}\}$
S_{26}
$C(S_{26}) = \{a_{1123}\}$
$R(S_{26}) = \{a_{11}, a_{23}\}$
$I(S_{26}) = \{a_{11}, a_{23}\}$
$O(S_{26}) = \{a_{1123}\}$
S_{27}
$C(S_{27}) = \{a_{1321}\}$
$R(S_{27}) = \{a_{13}, a_{21}\}$
$I(S_{27}) = \{a_{13}, a_{21}\}$
$O(S_{27}) = \{a_{1321}\}$
S_{28}
$C(S_{28}) = \{A_{32}\}$
$R(S_{28}) = \{a_{1123}, a_{1321}\}$
$I(S_{28}) = \varnothing$
$O(S_{28}) = \{A_{32}\}$
S_{29}
$C(S_{29}) = \{a_{1122}\}$
$R(S_{29}) = \{a_{11}, a_{22}\}$
$I(S_{29}) = \{a_{11}, a_{22}\}$
$O(S_{29}) = \{a_{1122}\}$
S_{30}
$C(S_{30}) = \{a_{1221}\}$
$R(S_{30}) = \{a_{12}, a_{21}\}$
$I(S_{30}) = \{a_{12}, a_{21}\}$
$O(S_{30}) = \{a_{1221}\}$
S_{31}
$C(S_{31}) = \{A_{33}\}$
$R(S_{31}) = \{a_{1122}, a_{1221}\}$
$I(S_{31}) = \varnothing$
$O(S_{31}) = \{A_{33}\}$
S_{32}
$C(S_{32}) = \{a_{11}^{-1}\}$
$R(S_{32}) = \{A_{11}, \Delta\}$
$I(S_{32}) = \varnothing$
$O(S_{32}) = \{a_{11}^{-1}\}$
S_{33}
$C(S_{33}) = \{a_{12}^{-1}\}$
$R(S_{33}) = \{A_{21}, \Delta\}$
$I(S_{33}) = \varnothing$
$O(S_{33}) = \{a_{12}^{-1}\}$
S_{34}
$C(S_{34}) = \{a_{13}^{-1}\}$
$R(S_{34}) = \{A_{31}, \Delta\}$
$I(S_{34}) = \varnothing$
$O(S_{34}) = \{a_{13}^{-1}\}$
S_{35}
$C(S_{35}) = \{a_{21}^{-1}\}$
$R(S_{35}) = \{A_{12}, \Delta\}$
$I(S_{35}) = \varnothing$
$O(S_{35}) = \{a_{21}^{-1}\}$
S_{36}
$C(S_{36}) = \{a_{22}^{-1}\}$
$R(S_{36}) = \{A_{22}, \Delta\}$
$I(S_{36}) = \varnothing$
$O(S_{36}) = \{a_{22}^{-1}\}$
S_{37}

$C(S_{37}) = \{a_{23}^{-1}\}$
$R(S_{37}) = \{A_{12}, \Delta\}$
$I(S_{37}) = \varnothing$
$O(S_{37}) = \{a_{23}^{-1}\}$
S_{38}
$C(S_{38}) = \{a_{31}^{-1}\}$
$R(S_{38}) = \{A_{13}, \Delta\}$
$I(S_{38}) = \varnothing$
$O(S_{38}) = \{a_{31}^{-1}\}$
S_{39}
$C(S_{39}) = \{a_{32}^{-1}\}$
$R(S_{39}) = \{A_{23}, \Delta\}$
$I(S_{39}) = \varnothing$
$O(S_{39}) = \{a_{32}^{-1}\}$
S_{40}
$C(S_{40}) = \{a_{33}^{-1}\}$
$R(S_{40}) = \{A_{33}, \Delta\}$
$I(S_{40}) = \varnothing$
$O(S_{40}) = \{a_{33}^{-1}\}$
$\bar{\bar{y}}_1$
$C(\bar{\bar{y}}_1) = \{a_{2233}, a_{2332}\}$
$R(\bar{\bar{y}}_1) = \{a_{22}, a_{33}, a_{23}, a_{32}\}$
$I(\bar{\bar{y}}_1) = \{a_{22}, a_{33}, a_{23}, a_{32}\}$
$O(\bar{\bar{y}}_1) = \{a_{2233}, a_{2332}\}$
$\bar{\bar{y}}_2$
$C(\bar{\bar{y}}_2) = \{A_{11}, a_{2133}, a_{2331}\}$
$R(\bar{\bar{y}}_2) = \{a_{2233}, a_{2332}, a_{21}, a_{33}, a_{23}, a_{31}\}$
$I(\bar{\bar{y}}_2) = \{a_{21}, a_{33}, a_{23}, a_{31}\}$
$O(\bar{\bar{y}}_2) = \{A_{11}, a_{2133}, a_{2331}\}$
$\bar{\bar{y}}_3$
$C(\bar{\bar{y}}_3) = \{A_{12}, a_{2132}, a_{2232}\}$
$R(\bar{\bar{y}}_3) = \{a_{2133}, a_{2331}, a_{21}, a_{32}, a_{22}\}$
$I(\bar{\bar{y}}_3) = \{a_{21}, a_{32}, a_{22}\}$
$O(\bar{\bar{y}}_3) = \{A_{12}, a_{2132}, a_{2232}\}$
$\bar{\bar{y}}_4$
$C(\bar{\bar{y}}_4) = \{A_{13}, aA_{1111}, aA_{1212}\}$
$R(\bar{\bar{y}}_4) = \{a_{2132}, a_{2232}, a_{11}, A_{11}, a_{12}, A_{12}\}$
$I(\bar{\bar{y}}_4) = \{a_{11}, a_{12}\}$
$O(\bar{\bar{y}}_4) = \{A_{13}, aA_{1111}, aA_{1212}\}$
$\bar{\bar{y}}_5$
$C(\bar{\bar{y}}_5) = \{\Delta, a_{1233}, a_{1332}\}$
$R(\bar{\bar{y}}_5) = \{aA_{1111}, aA_{1212}, aA_{1313}, a_{12}, a_{33}, a_{13}, a_{32}\}$
$I(\bar{\bar{y}}_5) = \{a_{12}, a_{33}, a_{13}, a_{32}\}$
$O(\bar{\bar{y}}_5) = \{\Delta, a_{1233}, a_{1332}\}$
$\bar{\bar{y}}_6$
$C(\bar{\bar{y}}_6) = \{A_{21}, a_{1133}, a_{1331}\}$
$R(\bar{\bar{y}}_6) = \{a_{1233}, a_{1332}, a_{11}, a_{33}, a_{13}, a_{31}\}$
$I(\bar{\bar{y}}_6) = \{a_{11}, a_{33}, a_{13}, a_{31}\}$
$O(\bar{\bar{y}}_6) = \{A_{21}, a_{1331}\}$
$\bar{\bar{y}}_7$
$C(\bar{\bar{y}}_7) = \{a_{1133}, a_{1231}\}$
$R(\bar{\bar{y}}_7) = \{a_{11}, a_{33}, a_{12}, a_{31}\}$
$I(\bar{\bar{y}}_7) = \{a_{11}, a_{33}, a_{12}, a_{31}\}$
$O(\bar{\bar{y}}_7) = \{a_{1133}, a_{1231}\}$
$\bar{\bar{y}}_8$
$C(\bar{\bar{y}}_8) = \{A_{23}, a_{1223}, a_{1322}\}$
$R(\bar{\bar{y}}_8) = \{a_{1133}, a_{1231}, a_{12}, a_{23}, a_{13}, a_{22}\}$
$I(\bar{\bar{y}}_8) = \{a_{12}, a_{23}, a_{13}, a_{22}\}$
$O(\bar{\bar{y}}_8) = \{A_{23}, a_{1223}, a_{1322}\}$
$\bar{\bar{y}}_9$
$C(\bar{\bar{y}}_9) = \{A_{31}, a_{1123}, a_{1321}\}$

$R(\bar{\bar{y}}_9) = \{a_{1223}, a_{1322}, a_{11}, a_{23}, a_{13}, a_{21}\}$
$I(\bar{\bar{y}}_9) = \{a_{11}, a_{23}, a_{13}, a_{21}\}$
$O(\bar{\bar{y}}_9) = \{A_{31}, a_{1123}, a_{1321}\}$
$\bar{\bar{y}}_{10}$
$C(\bar{\bar{y}}_{10}) = \{A_{32}, a_{1122}, a_{1221}\}$
$R(\bar{\bar{y}}_{10}) = \{a_{1123}, a_{1321}, a_{11}, a_{22}, a_{12}, a_{21}\}$
$I(\bar{\bar{y}}_{10}) = \{a_{11}, a_{22}, a_{12}, a_{21}\}$
$O(\bar{\bar{y}}_{10}) = \{A_{32}, a_{1122}, a_{1221}\}$
$\bar{\bar{y}}_{11}$
$C(\bar{\bar{y}}_{11}) = \{A_{33}, a_{11}^{-1}, a_{12}^{-1}, a_{13}^{-1}, a_{21}^{-1}, a_{22}^{-1}, a_{23}^{-1}, a_{31}^{-1}, a_{32}^{-1}\}$
$R(\bar{\bar{y}}_{11}) = \{a_{1122}, a_{1221}, A_{11}, \Delta, A_{21}, A_{31}, A_{12}, A_{22}, A_{13}, A_{23}\}$
$I(\bar{\bar{y}}_{11}) = \varnothing$
$O(\bar{\bar{y}}_{11}) = \{A_{33}, a_{11}^{-1}, a_{12}^{-1}, a_{13}^{-1}, a_{21}^{-1}, a_{22}^{-1}, a_{23}^{-1}, a_{31}^{-1}, a_{32}^{-1}\}$
$\bar{y}_1$
$C(\bar{y}_1) = \{a_{2233}, a_{2332}, A_{11}, a_{2133}, a_{2331}, A_{12}, a_{2132}, a_{2232}, A_{13}, aA_{1111}, aA_{1212}, aA_{1313}, \Delta, a_{1233}, a_{1332}, A_{21}, a_{1133}, a_{1331}, A_{22}\}$
$R(\bar{y}_1) = \{a_{22}, a_{33}, a_{23}, a_{32}, a_{2233}, a_{2332}, a_{21}, a_{31}, a_{2133}, a_{2331}, a_{2132}, a_{2232}, a_{11}, A_{11}, a_{12}, A_{12}, a_{13}, A_{13}, aA_{1111}, aA_{1212}, aA_{1313}, a_{1233}, a_{1332}, a_{1133}, a_{1331}\}$
$I(\bar{y}_1) = \{a_{22}, a_{33}, a_{23}, a_{32}, a_{2233}, a_{2332}, a_{21}, a_{31}, a_{2133}, a_{2331}, a_{2132}, a_{2232}, a_{11}, A_{11}, a_{12}, A_{12}, a_{13}, A_{13}, aA_{1111}, aA_{1212}, aA_{1313}, a_{1233}, a_{1332}, a_{1133}, a_{1331}\}$
$O(\bar{y}_1) = \{a_{2233}, a_{2332}, A_{11}, a_{2133}, a_{2331}, A_{12}, a_{2132}, a_{2232}, A_{13}, aA_{1111}, aA_{1212}, aA_{1313}, \Delta, a_{1233}, a_{1332}, A_{21}, a_{1331}, A_{22}\}$
$\bar{y}_2$
$C(\bar{y}_2) = \{a_{1133}, a_{1231}, A_{23}, a_{1223}, a_{1322}, A_{31}, a_{1123}, a_{1321}, A_{32}, a_{1122}, a_{1221}\}$
$R(\bar{y}_2) = \{a_{11}, a_{33}, a_{12}, a_{31}, a_{1133}, a_{1231}, a_{23}, a_{13}, a_{22}, a_{1223}, a_{1322}, a_{21}, a_{1123}, a_{1321}\}$
$I(\bar{y}_2) = \{a_{11}, a_{33}, a_{12}, a_{31}, a_{1231}, a_{23}, a_{13}, a_{22}, a_{1223}, a_{1322}, a_{21}, a_{1123}, a_{1321}\}$
$O(\bar{y}_2) = \{a_{1133}, a_{1231}, A_{23}, a_{1223}, a_{1322}, A_{31}, a_{1123}, a_{1321}, A_{32}, a_{1122}, a_{1221}\}$
$\bar{y}_3$
$C(\bar{y}_3) = \{a_{2233}, a_{2332}, A_{11}, a_{2133}, a_{2331}, A_{12}, a_{2132}, a_{2232}, A_{13}, aA_{1111}, aA_{1212}, aA_{1313}, \Delta, a_{1233}, a_{1332}, A_{21}, a_{1133}, a_{1331}, A_{22}, a_{1231}, A_{23}, a_{1223}, a_{1322}, A_{31}, a_{1123}, a_{1321}, A_{32}, a_{1122}, a_{1221}, A_{33}, a_{11}^{-1}, a_{12}^{-1}, a_{13}^{-1}, a_{21}^{-1}, a_{22}^{-1}, a_{23}^{-1}, a_{31}^{-1}, a_{32}^{-1}, a_{33}^{-1}\}$
$R(\bar{y}_3) = \{a_{22}, a_{33}, a_{23}, a_{32}, a_{2233}, a_{2332}, a_{21}, a_{31}, a_{2133}, a_{2331}, a_{2132}, a_{2232}, a_{11}, A_{11}, a_{12}, A_{12}, a_{13}, A_{13}, aA_{1111}, aA_{1212}, aA_{1313}, a_{1233}, a_{1332}, a_{1133}, a_{1331}, a_{1231}, a_{1223}, a_{1322}, a_{1123}, a_{1321}, a_{1122}, a_{1221}, \Delta, A_{21}, A_{31}, A_{22}, A_{23}, A_{33}\}$
$I(\bar{y}_3) = \{a_{22}, a_{33}, a_{23}, a_{32}, a_{2233}, a_{2332}, a_{21}, a_{31}, a_{2133}, a_{2331}, a_{2132}, a_{2232}, a_{11}, A_{11}, a_{12}, A_{12}, a_{13}, A_{13}, aA_{1111}, aA_{1212}, aA_{1313}, a_{1233}, a_{1332}, a_{1133}, a_{1331}, a_{1231}, a_{1223}, a_{1322}, a_{1123}, a_{1321}, a_{1122}, a_{1221}, \Delta, A_{21}, A_{31}, A_{22}, A_{23}, A_{33}\}$
$O(\bar{y}_3) = \{a_{2233}, a_{2332}, A_{11}, a_{2133}, a_{2331}, A_{12}, a_{2132}, a_{2232}, A_{13}, aA_{1111}, aA_{1212}, aA_{1313}, \Delta, a_{1233}, a_{1332}, A_{21}, a_{1133}, a_{1331}, A_{22}, a_{1231}, A_{23}, a_{1223}, a_{1322}, A_{31}, a_{1123}, a_{1321}, A_{32}, a_{1122}, a_{1221}, A_{33}, a_{11}^{-1}, a_{12}^{-1}, a_{13}^{-1}, a_{21}^{-1}, a_{22}^{-1}, a_{23}^{-1}, a_{31}^{-1}, a_{32}^{-1}, a_{33}^{-1}\}$