This appendix is a supplementary material for manuscript, in order to provide a complete DSSR boundary formulation of test case, which is shown in formula (32) in manuscript.

Sub-formula 1-40

$$
\Omega_{DSSR}=\begin{cases}
S_f^1 \le \min\{8.92-(S_f^{76}+S_f^{36}),63-(S_f^{36}+S_f^{37}+S_f^{38}+S_f^{39}+S_f^{40}+S_f^{41}+S_f^{42}+S_f^{43}+S_f^{44}+S_f^{45}+S_f^{76}+S_f^{77}+S_f^{78})-(S_f^2+S_f^3+S_f^4+S_f^5)\}\\
S_f^2 \le \min\{8.92-(S_f^{37}+S_f^{77}),63-(S_f^{36}+S_f^{37}+S_f^{38}+S_f^{39}+S_f^{40}+S_f^{41}+S_f^{42}+S_f^{43}+S_f^{44}+S_f^{45}+S_f^{76}+S_f^{77}+S_f^{78})-(S_f^1+S_f^3+S_f^4+S_f^5)\}\\
S_f^3 \le \min\{8.92-(S_f^{38}+S_f^{78}),63-(S_f^{36}+S_f^{37}+S_f^{38}+S_f^{39}+S_f^{40}+S_f^{41}+S_f^{42}+S_f^{43}+S_f^{44}+S_f^{45}+S_f^{76}+S_f^{77}+S_f^{78})-(S_f^1+S_f^2+S_f^4+S_f^5)\}\\
S_f^4 \le \min\{8.92-S_f^{39},63-(S_f^{36}+S_f^{37}+S_f^{38}+S_f^{39}+S_f^{40}+S_f^{41}+S_f^{42}+S_f^{43}+S_f^{44}+S_f^{45}+S_f^{76}+S_f^{77}+S_f^{78})-(S_f^1+S_f^2+S_f^3+S_f^5)\}\\
S_f^5 \le \min\{8.92-S_f^{40},63-(S_f^{36}+S_f^{37}+S_f^{38}+S_f^{39}+S_f^{40}+S_f^{41}+S_f^{42}+S_f^{43}+S_f^{44}+S_f^{45}+S_f^{76}+S_f^{77}+S_f^{78})-(S_f^1+S_f^2+S_f^3+S_f^4)\}\\
S_f^6 \le \min\{8.92-S_f^{48},63-(S_f^{46}+S_f^{47}+S_f^{48}+S_f^{49}+S_f^{50}+S_f^{51}+S_f^{52}+S_f^{53}+S_f^{54}+S_f^{55})-S_f^7\}\\
S_f^7 \le \min\{8.92-S_f^{49},63-(S_f^{46}+S_f^{47}+S_f^{48}+S_f^{49}+S_f^{50}+S_f^{51}+S_f^{52}+S_f^{53}+S_f^{54}+S_f^{55})-S_f^6\}\\
S_f^8 \le \min\{8.92-S_f^{11},40-(S_f^{10}+S_f^{11}+S_f^{12}+S_f^{13}+S_f^{14}+S_f^{15}+S_f^{16}+S_f^{17}+S_f^{18})-S_f^9\}\\
S_f^9 \le \min\{8.92-S_f^{10},40-(S_f^{10}+S_f^{11}+S_f^{12}+S_f^{13}+S_f^{14}+S_f^{15}+S_f^{16}+S_f^{17}+S_f^{18})-S_f^8\}\\
S_f^{10} \le \min\{8.92-S_f^{9},40-(S_f^{1}+S_f^{2}+S_f^{3}+S_f^{4}+S_f^{5}+S_f^{6}+S_f^{7}+S_f^{8}+S_f^{9}+S_f^{79}+S_f^{80})-S_f^{11}\}\\
S_f^{11} \le \min\{8.92-S_f^{8},40-(S_f^{1}+S_f^{2}+S_f^{3}+S_f^{4}+S_f^{5}+S_f^{6}+S_f^{7}+S_f^{8}+S_f^{9}+S_f^{79}+S_f^{80})-S_f^{10}\}\\
S_f^{12} \le \min\{8.92-S_f^{41},63-(S_f^{36}+S_f^{37}+S_f^{38}+S_f^{39}+S_f^{40}+S_f^{41}+S_f^{42}+S_f^{43}+S_f^{44}+S_f^{45}+S_f^{76}+S_f^{77}+S_f^{78})-(S_f^{13}+S_f^{14})\}\\
S_f^{13} \le \min\{8.92-S_f^{42},63-(S_f^{36}+S_f^{37}+S_f^{38}+S_f^{39}+S_f^{40}+S_f^{41}+S_f^{42}+S_f^{43}+S_f^{44}+S_f^{45}+S_f^{76}+S_f^{77}+S_f^{78})-(S_f^{12}+S_f^{14})\}\\
S_f^{14} \le \min\{8.92-S_f^{43},63-(S_f^{36}+S_f^{37}+S_f^{38}+S_f^{39}+S_f^{40}+S_f^{41}+S_f^{42}+S_f^{43}+S_f^{44}+S_f^{45}+S_f^{76}+S_f^{77}+S_f^{78})-(S_f^{12}+S_f^{13})\}\\
S_f^{15} \le \min\{8.92-S_f^{52},63-(S_f^{46}+S_f^{47}+S_f^{48}+S_f^{49}+S_f^{50}+S_f^{51}+S_f^{52}+S_f^{53}+S_f^{54}+S_f^{55})-S_f^{16}\}\\
S_f^{16} \le \min\{8.92-S_f^{53},63-(S_f^{46}+S_f^{47}+S_f^{48}+S_f^{49}+S_f^{50}+S_f^{51}+S_f^{52}+S_f^{53}+S_f^{54}+S_f^{55})-S_f^{15}\}\\
S_f^{17} \le \min\{8.92-S_f^{20},40-(S_f^{19}+S_f^{20}+S_f^{21}+S_f^{22}+S_f^{23}+S_f^{24}+S_f^{25}+S_f^{26}+S_f^{27})-S_f^{18}\}\\
S_f^{18} \le \min\{8.92-S_f^{19},40-(S_f^{19}+S_f^{20}+S_f^{21}+S_f^{22}+S_f^{23}+S_f^{24}+S_f^{25}+S_f^{26}+S_f^{27})-S_f^{17}\}\\
S_f^{19} \le \min\{8.92-S_f^{18},40-(S_f^{10}+S_f^{11}+S_f^{12}+S_f^{13}+S_f^{14}+S_f^{15}+S_f^{16}+S_f^{17}+S_f^{18})-S_f^{20}\}\\
S_f^{20} \le \min\{8.92-S_f^{17},40-(S_f^{10}+S_f^{11}+S_f^{12}+S_f^{13}+S_f^{14}+S_f^{15}+S_f^{16}+S_f^{17}+S_f^{18})-S_f^{19}\}\\
S_f^{21} \le \min\{8.92-(S_f^{36}+S_f^{76}),63-(S_f^{36}+S_f^{37}+S_f^{38}+S_f^{39}+S_f^{40}+S_f^{41}+S_f^{42}+S_f^{43}+S_f^{44}+S_f^{45}+S_f^{76}+S_f^{77}+S_f^{78})-(S_f^{22}+S_f^{23})\}\\
S_f^{22} \le \min\{8.92-(S_f^{37}+S_f^{77}),63-(S_f^{36}+S_f^{37}+S_f^{38}+S_f^{39}+S_f^{40}+S_f^{41}+S_f^{42}+S_f^{43}+S_f^{44}+S_f^{45}+S_f^{76}+S_f^{77}+S_f^{78})-(S_f^{21}+S_f^{23})\}\\
S_f^{23} \le \min\{8.92-(S_f^{38}+S_f^{78}),63-(S_f^{36}+S_f^{37}+S_f^{38}+S_f^{39}+S_f^{40}+S_f^{41}+S_f^{42}+S_f^{43}+S_f^{44}+S_f^{45}+S_f^{76}+S_f^{77}+S_f^{78})-(S_f^{21}+S_f^{22})\}\\
S_f^{24} \le \min\{8.92-S_f^{60},63-(S_f^{56}+S_f^{57}+S_f^{58}+S_f^{59}+S_f^{60}+S_f^{61}+S_f^{62}+S_f^{63}+S_f^{64}+S_f^{65})-S_f^{25}\}\\
S_f^{25} \le \min\{8.92-S_f^{61},63-(S_f^{56}+S_f^{57}+S_f^{58}+S_f^{59}+S_f^{60}+S_f^{61}+S_f^{62}+S_f^{63}+S_f^{64}+S_f^{65})-S_f^{24}\}\\
S_f^{26} \le \min\{8.92-S_f^{29},40-(S_f^{28}+S_f^{29}+S_f^{30}+S_f^{31}+S_f^{32}+S_f^{33}+S_f^{34}+S_f^{35}+S_f^{81}+S_f^{82})-S_f^{27}\}\\
S_f^{27} \le \min\{8.92-S_f^{28},40-(S_f^{28}+S_f^{29}+S_f^{30}+S_f^{31}+S_f^{32}+S_f^{33}+S_f^{34}+S_f^{35}+S_f^{81}+S_f^{82})-S_f^{26}\}\\
S_f^{28} \le \min\{8.92-S_f^{27},40-(S_f^{19}+S_f^{20}+S_f^{21}+S_f^{22}+S_f^{23}+S_f^{24}+S_f^{25}+S_f^{26}+S_f^{27})-S_f^{29}\}\\
S_f^{29} \le \min\{8.92-S_f^{26},40-(S_f^{19}+S_f^{20}+S_f^{21}+S_f^{22}+S_f^{23}+S_f^{24}+S_f^{25}+S_f^{26}+S_f^{27})-S_f^{28}\}\\
S_f^{30} \le \min\{8.92-S_f^{70}),63-(S_f^{66}+S_f^{67}+S_f^{68}+S_f^{69}+S_f^{70}+S_f^{71}+S_f^{72}+S_f^{73}+S_f^{74}+S_f^{75})-(S_f^{31}+S_f^{32}+S_f^{33}+S_f^{34}+S_f^{35})\}\\
S_f^{31} \le \min\{8.92-S_f^{71}),63-(S_f^{66}+S_f^{67}+S_f^{68}+S_f^{69}+S_f^{70}+S_f^{71}+S_f^{72}+S_f^{73}+S_f^{74}+S_f^{75})-(S_f^{30}+S_f^{32}+S_f^{33}+S_f^{34}+S_f^{35})\}\\
S_f^{32} \le \min\{8.92-S_f^{72}),63-(S_f^{66}+S_f^{67}+S_f^{68}+S_f^{69}+S_f^{70}+S_f^{71}+S_f^{72}+S_f^{73}+S_f^{74}+S_f^{75})-(S_f^{30}+S_f^{31}+S_f^{33}+S_f^{34}+S_f^{35})\}\\
S_f^{33} \le \min\{8.92-S_f^{73}),63-(S_f^{66}+S_f^{67}+S_f^{68}+S_f^{69}+S_f^{70}+S_f^{71}+S_f^{72}+S_f^{73}+S_f^{74}+S_f^{75})-(S_f^{30}+S_f^{31}+S_f^{32}+S_f^{34}+S_f^{35})\}\\
S_f^{34} \le \min\{8.92-S_f^{74}),63-(S_f^{66}+S_f^{67}+S_f^{68}+S_f^{69}+S_f^{70}+S_f^{71}+S_f^{72}+S_f^{73}+S_f^{74}+S_f^{75})-(S_f^{30}+S_f^{31}+S_f^{32}+S_f^{33}+S_f^{35})\}\\
S_f^{35} \le \min\{8.92-S_f^{75}),63-(S_f^{66}+S_f^{67}+S_f^{68}+S_f^{69}+S_f^{70}+S_f^{71}+S_f^{72}+S_f^{73}+S_f^{74}+S_f^{75})-(S_f^{30}+S_f^{31}+S_f^{32}+S_f^{33}+S_f^{34})\}\\
S_f^{36} \le \min\{8.92-S_f^{21},40-(S_f^{19}+S_f^{20}+S_f^{21}+S_f^{22}+S_f^{23}+S_f^{24}+S_f^{25}+S_f^{26}+S_f^{27})-(S_f^{37}+S_f^{38})\}\\
S_f^{37} \le \min\{8.92-S_f^{22},40-(S_f^{19}+S_f^{20}+S_f^{21}+S_f^{22}+S_f^{23}+S_f^{24}+S_f^{25}+S_f^{26}+S_f^{27})-(S_f^{36}+S_f^{38})\}\\
S_f^{38} \le \min\{8.92-S_f^{23},40-(S_f^{19}+S_f^{20}+S_f^{21}+S_f^{22}+S_f^{23}+S_f^{24}+S_f^{25}+S_f^{26}+S_f^{27})-(S_f^{36}+S_f^{37})\}\\
S_f^{39} \le \min\{8.92-S_f^{4},40-(S_f^{1}+S_f^{2}+S_f^{3}+S_f^{4}+S_f^{5}+S_f^{6}+S_f^{7}+S_f^{8}+S_f^{9}+S_f^{76}+S_f^{77}+S_f^{78}+S_f^{79}+S_f^{80})-S_f^{40}\}\\
S_f^{40} \le \min\{8.92-S_f^{5},40-(S_f^{1}+S_f^{2}+S_f^{3}+S_f^{4}+S_f^{5}+S_f^{6}+S_f^{7}+S_f^{8}+S_f^{9}+S_f^{76}+S_f^{77}+S_f^{78}+S_f^{79}+S_f^{80})-S_f^{39}\}
\end{cases}
$$

Sub-formula 41-82

$$
\Omega_{DSSR}=\begin{cases}
S_f^{40}\le \min\{8.92-S_f^{5},40-(S_f^{1}+S_f^{2}+S_f^{3}+S_f^{4}+S_f^{5}+S_f^{6}+S_f^{7}+S_f^{8}+S_f^{9}+S_f^{76}+S_f^{77}+S_f^{78}+S_f^{79}+S_f^{80})-S_f^{39}\}\\
S_f^{41}\le \min\{8.92-S_f^{12},40-(S_f^{10}+S_f^{11}+S_f^{12}+S_f^{13}+S_f^{14}+S_f^{15}+S_f^{16}+S_f^{17}+S_f^{18})-(S_f^{42}+S_f^{43})\}\\
S_f^{42}\le \min\{8.92-S_f^{13},40-(S_f^{10}+S_f^{11}+S_f^{12}+S_f^{13}+S_f^{14}+S_f^{15}+S_f^{16}+S_f^{17}+S_f^{18})-(S_f^{41}+S_f^{43})\}\\
S_f^{43}\le \min\{8.92-S_f^{14},40-(S_f^{10}+S_f^{11}+S_f^{12}+S_f^{13}+S_f^{14}+S_f^{15}+S_f^{16}+S_f^{17}+S_f^{18})-(S_f^{41}+S_f^{42})\}\\
S_f^{44}\le \min\{8.92-S_f^{47},40-(S_f^{46}+S_f^{47}+S_f^{48}+S_f^{49}+S_f^{50}+S_f^{51}+S_f^{52}+S_f^{53}+S_f^{54}+S_f^{55})-S_f^{45}\}\\
S_f^{45}\le \min\{8.92-S_f^{46},63-(S_f^{46}+S_f^{47}+S_f^{48}+S_f^{49}+S_f^{50}+S_f^{51}+S_f^{52}+S_f^{53}+S_f^{54}+S_f^{55})-S_f^{44}\}\\
S_f^{46}\le \min\{8.92-S_f^{45},63-(S_f^{36}+S_f^{43}+S_f^{38}+S_f^{39}+S_f^{40}+S_f^{41}+S_f^{42}+S_f^{43}+S_f^{44}+S_f^{45}+S_f^{76}+S_f^{77}+S_f^{78})-S_f^{47}\}\\
S_f^{47}\le \min\{8.92-S_f^{44},63-(S_f^{36}+S_f^{43}+S_f^{38}+S_f^{39}+S_f^{40}+S_f^{41}+S_f^{42}+S_f^{43}+S_f^{44}+S_f^{45}+S_f^{76}+S_f^{77}+S_f^{78})-S_f^{46}\}\\
S_f^{48}\le \min\{8.92-S_f^{6},40-(S_f^{1}+S_f^{2}+S_f^{3}+S_f^{4}+S_f^{5}+S_f^{6}+S_f^{7}+S_f^{8}+S_f^{9}+S_f^{79}+S_f^{80})-S_f^{49}\}\\
S_f^{49}\le \min\{8.92-S_f^{7},40-(S_f^{1}+S_f^{2}+S_f^{3}+S_f^{4}+S_f^{5}+S_f^{6}+S_f^{7}+S_f^{8}+S_f^{9}+S_f^{79}+S_f^{80})-S_f^{48}\}\\
S_f^{50}\le \min\{8.92-(S_f^{30}+S_f^{81}),40-(S_f^{28}+S_f^{29}+S_f^{30}+S_f^{31}+S_f^{32}+S_f^{33}+S_f^{34}+S_f^{35}+S_f^{81}+S_f^{82})-S_f^{51}\}\\
S_f^{51}\le \min\{8.92-(S_f^{31}+S_f^{82}),40-(S_f^{28}+S_f^{29}+S_f^{30}+S_f^{31}+S_f^{32}+S_f^{33}+S_f^{34}+S_f^{35}+S_f^{81}+S_f^{82})-S_f^{50}\}\\
S_f^{52}\le \min\{8.92-S_f^{15},40-(S_f^{10}+S_f^{11}+S_f^{12}+S_f^{13}+S_f^{14}+S_f^{15}+S_f^{16}+S_f^{17}+S_f^{18})-S_f^{53}\}\\
S_f^{53}\le \min\{8.92-S_f^{15},40-(S_f^{10}+S_f^{11}+S_f^{12}+S_f^{13}+S_f^{14}+S_f^{15}+S_f^{16}+S_f^{17}+S_f^{18})-S_f^{52}\}\\
S_f^{54}\le \min\{8.92-S_f^{57},63-(S_f^{56}+S_f^{57}+S_f^{58}+S_f^{59}+S_f^{60}+S_f^{61}+S_f^{62}+S_f^{63}+S_f^{64}+S_f^{65})-S_f^{55}\}\\
S_f^{55}\le \min\{8.92-S_f^{56},63-(S_f^{56}+S_f^{57}+S_f^{58}+S_f^{59}+S_f^{60}+S_f^{61}+S_f^{62}+S_f^{63}+S_f^{64}+S_f^{65})-S_f^{54}\}\\
S_f^{56}\le \min\{8.92-S_f^{55},63-(S_f^{46}+S_f^{47}+S_f^{48}+S_f^{49}+S_f^{50}+S_f^{51}+S_f^{52}+S_f^{53}+S_f^{54}+S_f^{55})-S_f^{57}\}\\
S_f^{57}\le \min\{8.92-S_f^{54},63-(S_f^{46}+S_f^{47}+S_f^{48}+S_f^{49}+S_f^{50}+S_f^{51}+S_f^{52}+S_f^{53}+S_f^{54}+S_f^{55})-S_f^{56}\}\\
S_f^{58}\le \min\{8.92-(S_f^{79}+S_f^{6}),40-(S_f^{1}+S_f^{2}+S_f^{3}+S_f^{4}+S_f^{5}+S_f^{6}+S_f^{7}+S_f^{8}+S_f^{9}+S_f^{79}+S_f^{80})-S_f^{59}\}\\
S_f^{59}\le \min\{8.92-(S_f^{80}+S_f^{7}),40-(S_f^{1}+S_f^{2}+S_f^{3}+S_f^{4}+S_f^{5}+S_f^{6}+S_f^{7}+S_f^{8}+S_f^{9}+S_f^{79}+S_f^{80})-S_f^{58}\}\\
S_f^{60}\le \min\{8.92-S_f^{24},40-(S_f^{19}+S_f^{20}+S_f^{21}+S_f^{22}+S_f^{23}+S_f^{24}+S_f^{25}+S_f^{26}+S_f^{27})-S_f^{61}\}\\
S_f^{61}\le \min\{8.92-S_f^{25},40-(S_f^{19}+S_f^{20}+S_f^{21}+S_f^{22}+S_f^{23}+S_f^{24}+S_f^{25}+S_f^{26}+S_f^{27})-S_f^{60}\}\\
S_f^{62}\le \min\{8.92-S_f^{69},63-(S_f^{66}+S_f^{67}+S_f^{68}+S_f^{69}+S_f^{70}+S_f^{71}+S_f^{72}+S_f^{73}+S_f^{74}+S_f^{75}-(S_f^{63}+S_f^{64}+S_f^{65})\}\\
S_f^{63}\le \min\{8.92-S_f^{68},63-(S_f^{66}+S_f^{67}+S_f^{68}+S_f^{69}+S_f^{70}+S_f^{71}+S_f^{72}+S_f^{73}+S_f^{74}+S_f^{75}-(S_f^{62}+S_f^{64}+S_f^{65})\}\\
S_f^{64}\le \min\{8.92-S_f^{67},63-(S_f^{66}+S_f^{67}+S_f^{68}+S_f^{69}+S_f^{70}+S_f^{71}+S_f^{72}+S_f^{73}+S_f^{74}+S_f^{75}-(S_f^{62}+S_f^{63}+S_f^{65})\}\\
S_f^{65}\le \min\{8.92-S_f^{66},63-(S_f^{66}+S_f^{67}+S_f^{68}+S_f^{69}+S_f^{70}+S_f^{71}+S_f^{72}+S_f^{73}+S_f^{74}+S_f^{75}-(S_f^{63}+S_f^{63}+S_f^{64})\}\\
S_f^{66}\le \min\{8.92-S_f^{65},63-(S_f^{56}+S_f^{57}+S_f^{58}+S_f^{59}+S_f^{60}+S_f^{61}+S_f^{62}+S_f^{63}+S_f^{64}+S_f^{65}+S_f^{67}+S_f^{68}+S_f^{69}\}\\
S_f^{67}\le \min\{8.92-S_f^{64},63-(S_f^{56}+S_f^{57}+S_f^{58}+S_f^{59}+S_f^{60}+S_f^{61}+S_f^{62}+S_f^{63}+S_f^{64}+S_f^{65}+S_f^{67}+S_f^{68}+S_f^{69}\}\\
S_f^{68}\le \min\{8.92-S_f^{63},63-(S_f^{56}+S_f^{57}+S_f^{58}+S_f^{59}+S_f^{60}+S_f^{61}+S_f^{62}+S_f^{63}+S_f^{64}+S_f^{65}+S_f^{67}+S_f^{68}+S_f^{69}\}\\
S_f^{69}\le \min\{8.92-S_f^{62},63-(S_f^{56}+S_f^{57}+S_f^{58}+S_f^{59}+S_f^{60}+S_f^{61}+S_f^{62}+S_f^{63}+S_f^{64}+S_f^{65}+S_f^{67}+S_f^{68}\}\\
S_f^{70}\le \min\{8.92-S_f^{30},40-(S_f^{28}+S_f^{29}+S_f^{30}+S_f^{31}+S_f^{32}+S_f^{33}+S_f^{34}+S_f^{35}+S_f^{81}+S_f^{82})-(S_f^{71}+S_f^{72}+S_f^{73}+S_f^{74}+S_f^{75})\}\\
S_f^{71}\le \min\{8.92-S_f^{31},40-(S_f^{28}+S_f^{29}+S_f^{30}+S_f^{31}+S_f^{32}+S_f^{33}+S_f^{34}+S_f^{35}+S_f^{81}+S_f^{82})-(S_f^{70}+S_f^{72}+S_f^{73}+S_f^{74}+S_f^{75})\}\\
S_f^{72}\le \min\{8.92-S_f^{32},40-(S_f^{28}+S_f^{29}+S_f^{30}+S_f^{31}+S_f^{32}+S_f^{33}+S_f^{34}+S_f^{35}+S_f^{81}+S_f^{82})-(S_f^{70}+S_f^{71}+S_f^{73}+S_f^{74}+S_f^{75})\}\\
S_f^{73}\le \min\{8.92-S_f^{33},40-(S_f^{28}+S_f^{29}+S_f^{30}+S_f^{31}+S_f^{32}+S_f^{33}+S_f^{34}+S_f^{35}+S_f^{81}+S_f^{82})-(S_f^{70}+S_f^{71}+S_f^{72}+S_f^{74}+S_f^{75})\}\\
S_f^{74}\le \min\{8.92-S_f^{34},40-(S_f^{28}+S_f^{29}+S_f^{30}+S_f^{31}+S_f^{32}+S_f^{33}+S_f^{34}+S_f^{35}+S_f^{81}+S_f^{82})-(S_f^{70}+S_f^{71}+S_f^{72}+S_f^{73}+S_f^{75})\}\\
S_f^{75}\le \min\{8.92-S_f^{35},40-(S_f^{28}+S_f^{29}+S_f^{30}+S_f^{31}+S_f^{32}+S_f^{33}+S_f^{34}+S_f^{35}+S_f^{81}+S_f^{82})-(S_f^{70}+S_f^{71}+S_f^{72}+S_f^{73}+S_f^{74})\}\\
S_f^{76}\le \min\{8.92-S_f^{1},40-(S_f^{1}+S_f^{2}+S_f^{3}+S_f^{4}+S_f^{5}+S_f^{6}+S_f^{7}+S_f^{8}+S_f^{9}+S_f^{79}+S_f^{80})-(S_f^{39}+S_f^{40}+S_f^{77}+S_f^{78})\}\\
S_f^{77}\le \min\{8.92-S_f^{2},40-(S_f^{1}+S_f^{2}+S_f^{3}+S_f^{4}+S_f^{5}+S_f^{6}+S_f^{7}+S_f^{8}+S_f^{9}+S_f^{79}+S_f^{80})-(S_f^{39}+S_f^{40}+S_f^{76}+S_f^{78})\}\\
S_f^{78}\le \min\{8.92-S_f^{3},40-(S_f^{1}+S_f^{2}+S_f^{3}+S_f^{4}+S_f^{5}+S_f^{6}+S_f^{7}+S_f^{8}+S_f^{9}+S_f^{79}+S_f^{80})-(S_f^{39}+S_f^{40}+S_f^{76}+S_f^{77})\}\\
S_f^{79}\le \min\{8.92-S_f^{58},63-(S_f^{56}+S_f^{57}+S_f^{58}+S_f^{59}+S_f^{60}+S_f^{61}+S_f^{62}+S_f^{63}+S_f^{64}+S_f^{65})-S_f^{80}\}\\
S_f^{80}\le \min\{8.92-S_f^{59},63-(S_f^{56}+S_f^{57}+S_f^{58}+S_f^{59}+S_f^{60}+S_f^{61}+S_f^{62}+S_f^{63}+S_f^{64}+S_f^{65})-S_f^{79}\}\\
S_f^{81}\le \min\{8.92-S_f^{50},63-(S_f^{46}+S_f^{47}+S_f^{48}+S_f^{49}+S_f^{50}+S_f^{51}+S_f^{52}+S_f^{53}+S_f^{54}+S_f^{55})-S_f^{82}\}\\
S_f^{82}\le \min\{8.92-S_f^{51},63-(S_f^{46}+S_f^{47}+S_f^{48}+S_f^{49}+S_f^{50}+S_f^{51}+S_f^{52}+S_f^{53}+S_f^{54}+S_f^{55})-S_f^{81}\}
\end{cases}
$$