

Scanflow Cash Register IOSTS

$$\begin{aligned}
W &= \{s0 \dots s900, as_closed, as_ending, as_idle, as_open, ss_off, unconnected\} \\
w_0 &= unconnected \\
\mathcal{L} &= \{stored_account, current_time\} \\
\iota &= \{stored_account \mapsto false, current_time \mapsto 0.0\} \\
\mathcal{I} &= \{stamp_reg, get_variable_name, trans_id, return_variable_name, variable_value\} \\
\Lambda &= \{?OPEN, ?SIGNON_EXIST, !261, !900, ?STAMPREG, ?ARTID_NEXIST, !541, !450, ?PRINT_NEXT\} \\
D &= \{s0 \xrightarrow{?GET, (var_name="CS_SIGN"), \{\}} s1, \\
& s1 \xrightarrow{!503, true, \{\}} s120, s1 \xrightarrow{!502, true, \{\}} s119, \\
& s1 \xrightarrow{!210, (cr_variable="CS_SIGN") \wedge (cr_value="SS_ON"), \{\}} s4, \\
& s1 \xrightarrow{!210, (cr_variable="CS_SIGN") \wedge (cr_value="SS_HALT"), \{\}} s3, \\
& s1 \xrightarrow{!210, (cr_variable="CS_SIGN") \wedge (cr_value="SS_OFF"), \{\}} s2, \\
& s10 \xrightarrow{?GET, (var_name="CS_EVENT"), \{\}} s11, \\
& s100 \xrightarrow{?SIGNOFF, true, \{\}} s101, s101 \xrightarrow{!503, true, \{\}} s104, s101 \xrightarrow{!250, true, \{\}} s102, \\
& s101 \xrightarrow{!502, true, \{\}} s103, s102 \xrightarrow{\tau, true, \{\}} s110, s103 \xrightarrow{\tau, true, \{\}} s109, \\
& s104 \xrightarrow{?GET, (var_name="CS_EVENT"), \{\}} s105, \\
& s105 \xrightarrow{!210, (cr_variable="CS_EVENT") \wedge (cr_value="EV_NONE"), \{\}} s107, \\
& s105 \xrightarrow{!210, (cr_variable="CS_EVENT") \wedge (cr_value="EV_INFO"), \{\}} s106, \\
& s106 \xrightarrow{\tau, true, \{\}} s108, s107 \xrightarrow{\tau, true, \{\}} s108, s108 \xrightarrow{\tau, true, \{\}} s109, \\
& s109 \xrightarrow{\tau, true, \{\}} s110, \\
& s11 \xrightarrow{!210, (cr_variable="CS_EVENT") \wedge (cr_value="EV_INFO"), \{\}} s12, \\
& s11 \xrightarrow{!210, (cr_variable="CS_EVENT") \wedge (cr_value="EV_NONE"), \{\}} s13, \\
& s110 \xrightarrow{\tau, true, \{\}} sssoff, s111 \xrightarrow{\tau, true, \{\}} s117, \\
\}
\end{aligned}$$

$s112 \xrightarrow{?GET, (var_name="CS_EVENT"), \{\}} s113,$
 $s113 \xrightarrow{!210, (cr_variable="CS_EVENT") \wedge (cr_value="EV_INFO"), \{\}} s114,$
 $s113 \xrightarrow{!210, (cr_variable="CS_EVENT") \wedge (cr_value="EV_NONE"), \{\}} s115,$
 $s114 \xrightarrow{\tau, true, \{\}} s116, s115 \xrightarrow{\tau, true, \{\}} s116, s116 \xrightarrow{\tau, true, \{\}} s117,$
 $s117 \xrightarrow{\tau, true, \{\}} s118, s118 \xrightarrow{\tau, true, \{\}} s126, s119 \xrightarrow{\tau, true, \{\}} s125,$
 $s12 \xrightarrow{\tau, true, \{\}} s14,$
 $s120 \xrightarrow{?GET, (var_name="CS_EVENT"), \{\}} s121,$
 $s121 \xrightarrow{!210, (cr_variable="CS_EVENT") \wedge (cr_value="EV_NONE"), \{\}} s123,$
 $s121 \xrightarrow{!210, (cr_variable="CS_EVENT") \wedge (cr_value="EV_INFO"), \{\}} s122,$
 $s122 \xrightarrow{\tau, true, \{\}} s124, s123 \xrightarrow{\tau, true, \{\}} s124, s124 \xrightarrow{\tau, true, \{\}} s125,$
 $s125 \xrightarrow{\tau, true, \{\}} s126, s126 \xrightarrow{\tau, true, \{\}} ssoff, s127 \xrightarrow{!503, true, \{\}} s142,$
 $s127 \xrightarrow{!450, true, \{\}} s139, s127 \xrightarrow{!551, true, \{\}} s140, s127 \xrightarrow{!502, true, \{\}} s141,$
 $s127 \xrightarrow{!251, true, \{\}} s128,$
 $s128 \xrightarrow{?GET, (var_name="CS_ACCNT"), \{\}} s129,$
 $s129 \xrightarrow{!210, (cr_variable="CS_ACCNT") \wedge (cr_value="AS_IDLE"), \{\}} s130,$
 $s129 \xrightarrow{!502, true, \{\}} s131, s129 \xrightarrow{!503, true, \{\}} s132, s13 \xrightarrow{\tau, true, \{\}} s14,$
 $s130 \xrightarrow{\tau, true, \{\}} assidle, s131 \xrightarrow{\tau, true, \{\}} s137,$
 $s132 \xrightarrow{?GET, (var_name="CS_EVENT"), \{\}} s133,$
 $s133 \xrightarrow{!210, (cr_variable="CS_EVENT") \wedge (cr_value="EV_INFO"), \{\}} s134,$
 $s133 \xrightarrow{!210, (cr_variable="CS_EVENT") \wedge (cr_value="EV_NONE"), \{\}} s135,$
 $s134 \xrightarrow{\tau, true, \{\}} s136, s135 \xrightarrow{\tau, true, \{\}} s136, s136 \xrightarrow{\tau, true, \{\}} s137,$
 $s137 \xrightarrow{\tau, true, \{\}} s138, s138 \xrightarrow{\tau, true, \{\}} s148, s139 \xrightarrow{\tau, true, \{\}} s148,$
 $s14 \xrightarrow{\tau, true, \{\}} s15, s140 \xrightarrow{\tau, true, \{\}} s148, s141 \xrightarrow{\tau, true, \{\}} s147,$
 $s142 \xrightarrow{?GET, (var_name="CS_EVENT"), \{\}} s143,$
 $s143 \xrightarrow{!210, (cr_variable="CS_EVENT") \wedge (cr_value="EV_NONE"), \{\}} s145,$
 $s143 \xrightarrow{!210, (cr_variable="CS_EVENT") \wedge (cr_value="EV_INFO"), \{\}} s144,$
 $s144 \xrightarrow{\tau, true, \{\}} s146, s145 \xrightarrow{\tau, true, \{\}} s146, s146 \xrightarrow{\tau, true, \{\}} s147,$
 $s147 \xrightarrow{\tau, true, \{\}} s148, s148 \xrightarrow{\tau, true, \{\}} s193,$
 $s149 \xrightarrow{!210, (cr_variable="CS_SIGN") \wedge (cr_value="SS_HALT"), \{\}} s151,$
 $s149 \xrightarrow{!210, (cr_variable="CS_SIGN") \wedge (cr_value="SS_OFF"), \{\}} s150,$
 $s149 \xrightarrow{!502, true, \{\}} s152, s149 \xrightarrow{!503, true, \{\}} s153, s15 \xrightarrow{\tau, true, \{\}} s16,$
 $s150 \xrightarrow{\tau, true, \{\}} s159, s151 \xrightarrow{\tau, true, \{\}} s159, s152 \xrightarrow{\tau, true, \{\}} s158,$
 $s153 \xrightarrow{?GET, (var_name="CS_EVENT"), \{\}} s154,$
 $s154 \xrightarrow{!210, (cr_variable="CS_EVENT") \wedge (cr_value="EV_INFO"), \{\}} s155,$
 $s154 \xrightarrow{!210, (cr_variable="CS_EVENT") \wedge (cr_value="EV_NONE"), \{\}} s156,$
 $s155 \xrightarrow{\tau, true, \{\}} s157, s156 \xrightarrow{\tau, true, \{\}} s157, s157 \xrightarrow{\tau, true, \{\}} s158,$
 $s158 \xrightarrow{\tau, true, \{\}} s159, s159 \xrightarrow{\tau, true, \{\}} s193, s16 \xrightarrow{\tau, true, \{\}} ssoff,$
 $s160 \xrightarrow{!210, (cr_variable="CS_EVENT") \wedge (cr_value="EV_INFO"), \{\}} s162,$

$s160 \xrightarrow{!210, (cr_variable = "CS_EVENT") \wedge (cr_value = "EV_NONE"), \{\}} s161,$
 $s160 \xrightarrow{!210, (cr_variable = "CS_EVENT") \wedge (cr_value = "EV_ERROR"), \{\}} s164,$
 $s160 \xrightarrow{!210, (cr_variable = "CS_EVENT") \wedge (cr_value = "EV_WARN"), \{\}} s163,$
 $s161 \xrightarrow{\tau, true, \{\}} s165, s162 \xrightarrow{\tau, true, \{\}} s165, s163 \xrightarrow{\tau, true, \{\}} s165,$
 $s164 \xrightarrow{\tau, true, \{\}} s165, s165 \xrightarrow{\tau, true, \{\}} s193, s166 \xrightarrow{\tau, true, \{\}} s193,$
 $s167 \xrightarrow{!503, true, \{\}} s169, s167 \xrightarrow{!201, true, \{\}} s168, s167 \xrightarrow{!503, true, \{\}} s171,$
 $s167 \xrightarrow{!502, true, \{\}} s170, s168 \xrightarrow{\tau, true, \{\}} s177, s169 \xrightarrow{\tau, true, \{\}} s177,$
 $s17 \xrightarrow{?CLOSE, true, \{\}} s18, s170 \xrightarrow{\tau, true, \{\}} s176,$
 $s171 \xrightarrow{?GET, (var_name = "CS_EVENT"), \{\}} s172,$
 $s172 \xrightarrow{!210, (cr_variable = "CS_EVENT") \wedge (cr_value = "EV_INFO"), \{\}} s173,$
 $s172 \xrightarrow{!210, (cr_variable = "CS_EVENT") \wedge (cr_value = "EV_NONE"), \{\}} s174,$
 $s173 \xrightarrow{\tau, true, \{\}} s175, s174 \xrightarrow{\tau, true, \{\}} s175, s175 \xrightarrow{\tau, true, \{\}} s176,$
 $s176 \xrightarrow{\tau, true, \{\}} s177, s177 \xrightarrow{\tau, true, \{\}} s193, s178 \xrightarrow{!501, true, \{\}} s181,$
 $s178 \xrightarrow{!502, true, \{\}} s182, s178 \xrightarrow{!202, true, \{\}} s179, s178 \xrightarrow{!531, true, \{\}} s180,$
 $s178 \xrightarrow{!503, true, \{\}} s183, s179 \xrightarrow{\tau, true, \{\}} s189, s18 \xrightarrow{!212, true, \{\}} s19,$
 $s18 \xrightarrow{\tau, true, \{\}} s20, s180 \xrightarrow{\tau, true, \{\}} s189, s181 \xrightarrow{\tau, true, \{\}} s189,$
 $s182 \xrightarrow{\tau, true, \{\}} s188,$
 $s183 \xrightarrow{?GET, (var_name = "CS_EVENT"), \{\}} s184,$
 $s184 \xrightarrow{!210, (cr_variable = "CS_EVENT") \wedge (cr_value = "EV_INFO"), \{\}} s185,$
 $s184 \xrightarrow{!210, (cr_variable = "CS_EVENT") \wedge (cr_value = "EV_NONE"), \{\}} s186,$
 $s185 \xrightarrow{\tau, true, \{\}} s187, s186 \xrightarrow{\tau, true, \{\}} s187, s187 \xrightarrow{\tau, true, \{\}} s188,$
 $s188 \xrightarrow{\tau, true, \{\}} s189, s189 \xrightarrow{\tau, true, \{\}} s193, s19 \xrightarrow{\tau, true, \{\}} s18,$
 $s190 \xrightarrow{\tau, true, \{\}} s193, s191 \xrightarrow{\tau, true, \{\}} s193, s192 \xrightarrow{\tau, true, \{\}} s193,$
 $s193 \xrightarrow{\tau, true, \{\}} sssoff, s194 \xrightarrow{!502, true, \{\}} s196, s194 \xrightarrow{!503, true, \{\}} s197,$
 $s194 \xrightarrow{!210, (cr_variable = "CS_SIGN") \wedge (cr_value = "SS_ON"), \{\}} s195,$
 $s195 \xrightarrow{\tau, true, \{\}} s203, s196 \xrightarrow{\tau, true, \{\}} s202,$
 $s197 \xrightarrow{?GET, (var_name = "CS_EVENT"), \{\}} s198,$
 $s198 \xrightarrow{!210, (cr_variable = "CS_EVENT") \wedge (cr_value = "EV_INFO"), \{\}} s199,$
 $s198 \xrightarrow{!210, (cr_variable = "CS_EVENT") \wedge (cr_value = "EV_NONE"), \{\}} s200,$
 $s199 \xrightarrow{\tau, true, \{\}} s201, s2 \xrightarrow{\tau, true, \{\}} s126, s20 \xrightarrow{\tau, true, \{\}} s21,$
 $s200 \xrightarrow{\tau, true, \{\}} s201, s201 \xrightarrow{\tau, true, \{\}} s202, s202 \xrightarrow{\tau, true, \{\}} s203,$
 $s203 \xrightarrow{\tau, true, \{\}} s357, s204 \xrightarrow{\tau, true, \{\}} s357, s205 \xrightarrow{!211, true, \{\}} s206,$
 $s205 \xrightarrow{!503, true, \{\}} s208, s205 \xrightarrow{!502, true, \{\}} s207, s206 \xrightarrow{\tau, true, \{\}} s214,$
 $s207 \xrightarrow{\tau, true, \{\}} s213,$
 $s208 \xrightarrow{?GET, (var_name = "CS_EVENT"), \{\}} s209,$
 $s209 \xrightarrow{!210, (cr_variable = "CS_EVENT") \wedge (cr_value = "EV_INFO"), \{\}} s210,$
 $s209 \xrightarrow{!210, (cr_variable = "CS_EVENT") \wedge (cr_value = "EV_NONE"), \{\}} s211,$
 $s21 \xrightarrow{!230, true, \{\}} s22, s210 \xrightarrow{\tau, true, \{\}} s212, s211 \xrightarrow{\tau, true, \{\}} s212,$

$s_{212} \xrightarrow{\tau, \text{true}, \{\}} s_{213}, s_{213} \xrightarrow{\tau, \text{true}, \{\}} s_{214}, s_{214} \xrightarrow{\tau, \text{true}, \{\}} s_{233},$
 $s_{215} \xrightarrow{!503, \text{true}, \{\}} s_{218}, s_{215} \xrightarrow{!502, \text{true}, \{\}} s_{217}, s_{215} \xrightarrow{!211, \text{true}, \{\}} s_{216},$
 $s_{216} \xrightarrow{\tau, \text{true}, \{\}} s_{224}, s_{217} \xrightarrow{\tau, \text{true}, \{\}} s_{223},$
 $s_{218} \xrightarrow{?GET, (\text{var_name} = \text{"CS_EVENT"}) , \{\}} s_{219},$
 $s_{219} \xrightarrow{!210, (\text{cr_variable} = \text{"CS_EVENT"}) \wedge (\text{cr_value} = \text{"EV_INFO"}) , \{\}} s_{220},$
 $s_{219} \xrightarrow{!210, (\text{cr_variable} = \text{"CS_EVENT"}) \wedge (\text{cr_value} = \text{"EV_NONE"}) , \{\}} s_{221},$
 $s_{22} \xrightarrow{?TRANS, (\text{trans_id} = \text{"TM_BANK"}) , \{\}} s_{23},$
 $s_{220} \xrightarrow{\tau, \text{true}, \{\}} s_{222}, s_{221} \xrightarrow{\tau, \text{true}, \{\}} s_{222}, s_{222} \xrightarrow{\tau, \text{true}, \{\}} s_{223},$
 $s_{223} \xrightarrow{\tau, \text{true}, \{\}} s_{224},$
 $s_{224} \xrightarrow{?GET, (\text{var_name} = \text{"CERTDATA"}) , \{\}} s_{225},$
 $s_{224} \xrightarrow{\tau, \text{true}, \{\}} s_{231}, s_{225} \xrightarrow{!531, \text{true}, \{\}} s_{228}, s_{225} \xrightarrow{!502, \text{true}, \{\}} s_{229},$
 $s_{225} \xrightarrow{!512, \text{true}, \{\}} s_{227}, s_{225} \xrightarrow{!214, \text{true}, \{\}} s_{226}, s_{226} \xrightarrow{\tau, \text{true}, \{\}} s_{230},$
 $s_{227} \xrightarrow{\tau, \text{true}, \{\}} s_{230}, s_{228} \xrightarrow{\tau, \text{true}, \{\}} s_{230}, s_{229} \xrightarrow{\tau, \text{true}, \{\}} s_{230},$
 $s_{23} \xrightarrow{!240, \text{true}, \{\}} s_{24}, s_{230} \xrightarrow{\tau, \text{true}, \{\}} s_{224}, s_{231} \xrightarrow{\tau, \text{true}, \{\}} s_{232},$
 $s_{232} \xrightarrow{\tau, \text{true}, \{\}} s_{233}, s_{233} \xrightarrow{\tau, \text{true}, \{\}} s_{357},$
 $s_{234} \xrightarrow{!210, (\text{cr_variable} = \text{"CS_EVENT"}) \wedge (\text{cr_value} = \text{"EV_ERROR"}) , \{\}} s_{238},$
 $s_{234} \xrightarrow{!210, (\text{cr_variable} = \text{"CS_EVENT"}) \wedge (\text{cr_value} = \text{"EV_INFO"}) , \{\}} s_{236},$
 $s_{234} \xrightarrow{!210, (\text{cr_variable} = \text{"CS_EVENT"}) \wedge (\text{cr_value} = \text{"EV_NONE"}) , \{\}} s_{235},$
 $s_{234} \xrightarrow{!210, (\text{cr_variable} = \text{"CS_EVENT"}) \wedge (\text{cr_value} = \text{"EV_WARN"}) , \{\}} s_{237},$
 $s_{235} \xrightarrow{\tau, \text{true}, \{\}} s_{239}, s_{236} \xrightarrow{\tau, \text{true}, \{\}} s_{239}, s_{237} \xrightarrow{\tau, \text{true}, \{\}} s_{239},$
 $s_{238} \xrightarrow{\tau, \text{true}, \{\}} s_{239}, s_{239} \xrightarrow{\tau, \text{true}, \{\}} s_{357}, s_{24} \xrightarrow{?IDLE, \text{true}, \{\}} s_{25},$
 $s_{240} \xrightarrow{\tau, \text{true}, \{\}} s_{357}, s_{241} \xrightarrow{!500, \text{true}, \{\}} s_{242}, s_{241} \xrightarrow{!501, \text{true}, \{\}} s_{243},$
 $s_{241} \xrightarrow{!502, \text{true}, \{\}} s_{244}, s_{241} \xrightarrow{!503, \text{true}, \{\}} s_{245}, s_{242} \xrightarrow{\tau, \text{true}, \{\}} s_{251},$
 $s_{243} \xrightarrow{\tau, \text{true}, \{\}} s_{251}, s_{244} \xrightarrow{\tau, \text{true}, \{\}} s_{250},$
 $s_{245} \xrightarrow{?GET, (\text{var_name} = \text{"CS_EVENT"}) , \{\}} s_{246},$
 $s_{246} \xrightarrow{!210, (\text{cr_variable} = \text{"CS_EVENT"}) \wedge (\text{cr_value} = \text{"EV_INFO"}) , \{\}} s_{247},$
 $s_{246} \xrightarrow{!210, (\text{cr_variable} = \text{"CS_EVENT"}) \wedge (\text{cr_value} = \text{"EV_NONE"}) , \{\}} s_{248},$
 $s_{247} \xrightarrow{\tau, \text{true}, \{\}} s_{249}, s_{248} \xrightarrow{\tau, \text{true}, \{\}} s_{249}, s_{249} \xrightarrow{\tau, \text{true}, \{\}} s_{250},$
 $s_{25} \xrightarrow{!503, \text{true}, \{\}} s_{28}, s_{25} \xrightarrow{!233, \text{true}, \{\}} s_{26}, s_{25} \xrightarrow{!502, \text{true}, \{\}} s_{27},$
 $s_{250} \xrightarrow{\tau, \text{true}, \{\}} s_{251}, s_{251} \xrightarrow{\tau, \text{true}, \{\}} s_{357}, s_{252} \xrightarrow{!502, \text{true}, \{\}} s_{255},$
 $s_{252} \xrightarrow{!503, \text{true}, \{\}} s_{254}, s_{252} \xrightarrow{!201, \text{true}, \{\}} s_{253}, s_{252} \xrightarrow{!503, \text{true}, \{\}} s_{256},$
 $s_{253} \xrightarrow{\tau, \text{true}, \{\}} s_{262}, s_{254} \xrightarrow{\tau, \text{true}, \{\}} s_{262}, s_{255} \xrightarrow{\tau, \text{true}, \{\}} s_{261},$
 $s_{256} \xrightarrow{?GET, (\text{var_name} = \text{"CS_EVENT"}) , \{\}} s_{257},$
 $s_{257} \xrightarrow{!210, (\text{cr_variable} = \text{"CS_EVENT"}) \wedge (\text{cr_value} = \text{"EV_NONE"}) , \{\}} s_{259},$
 $s_{257} \xrightarrow{!210, (\text{cr_variable} = \text{"CS_EVENT"}) \wedge (\text{cr_value} = \text{"EV_INFO"}) , \{\}} s_{258},$
 $s_{258} \xrightarrow{\tau, \text{true}, \{\}} s_{260}, s_{259} \xrightarrow{\tau, \text{true}, \{\}} s_{260}, s_{26} \xrightarrow{\tau, \text{true}, \{\}} s_{34},$
 $s_{260} \xrightarrow{\tau, \text{true}, \{\}} s_{261}, s_{261} \xrightarrow{\tau, \text{true}, \{\}} s_{262}, s_{262} \xrightarrow{\tau, \text{true}, \{\}} s_{357},$
 $s_{263} \xrightarrow{!202, \text{true}, \{\}} s_{264}, s_{263} \xrightarrow{!502, \text{true}, \{\}} s_{267}, s_{263} \xrightarrow{!531, \text{true}, \{\}} s_{265},$

$s263 \xrightarrow{!501, \text{true}, \{\}} s266, s263 \xrightarrow{!503, \text{true}, \{\}} s268, s264 \xrightarrow{\tau, \text{true}, \{\}} s274,$
 $s265 \xrightarrow{\tau, \text{true}, \{\}} s274, s266 \xrightarrow{\tau, \text{true}, \{\}} s274, s267 \xrightarrow{\tau, \text{true}, \{\}} s273,$
 $s268 \xrightarrow{?GET, (\text{var_name} = "CS_EVENT"), \{\}} s269,$
 $s269 \xrightarrow{!210, (\text{cr_variable} = "CS_EVENT") \wedge (\text{cr_value} = "EV_INFO"), \{\}} s270,$
 $s269 \xrightarrow{!210, (\text{cr_variable} = "CS_EVENT") \wedge (\text{cr_value} = "EV_NONE"), \{\}} s271,$
 $s27 \xrightarrow{\tau, \text{true}, \{\}} s33, s270 \xrightarrow{\tau, \text{true}, \{\}} s272, s271 \xrightarrow{\tau, \text{true}, \{\}} s272,$
 $s272 \xrightarrow{\tau, \text{true}, \{\}} s273, s273 \xrightarrow{\tau, \text{true}, \{\}} s274, s274 \xrightarrow{\tau, \text{true}, \{\}} s357,$
 $s275 \xrightarrow{\tau, \text{true}, \{\}} s357, s276 \xrightarrow{!502, \text{true}, \{\}} s278, s276 \xrightarrow{!503, \text{true}, \{\}} s279,$
 $s276 \xrightarrow{!231, \text{true}, \{\}} s277, s277 \xrightarrow{\tau, \text{true}, \{\}} \text{assopen}, s278 \xrightarrow{\tau, \text{true}, \{\}} s284,$
 $s279 \xrightarrow{?GET, (\text{var_name} = "CS_EVENT"), \{\}} s280,$
 $s28 \xrightarrow{?GET, (\text{var_name} = "CS_EVENT"), \{\}} s29,$
 $s280 \xrightarrow{!210, (\text{cr_variable} = "CS_EVENT") \wedge (\text{cr_value} = "EV_NONE"), \{\}} s282,$
 $s280 \xrightarrow{!210, (\text{cr_variable} = "CS_EVENT") \wedge (\text{cr_value} = "EV_INFO"), \{\}} s281,$
 $s281 \xrightarrow{\tau, \text{true}, \{\}} s283, s282 \xrightarrow{\tau, \text{true}, \{\}} s283, s283 \xrightarrow{\tau, \text{true}, \{\}} s284,$
 $s284 \xrightarrow{\tau, \text{true}, \{\}} s285, s285 \xrightarrow{\tau, \text{true}, \{\}} s357, s286 \xrightarrow{?OPEN_EXIST, \text{true}, \{\}} s287,$
 $s287 \xrightarrow{!503, \text{true}, \{\}} s290, s287 \xrightarrow{!231, \text{true}, \{\}} s288, s287 \xrightarrow{!502, \text{true}, \{\}} s289,$
 $s288 \xrightarrow{\tau, \text{true}, \{\}} \text{assopen}, s289 \xrightarrow{\tau, \text{true}, \{\}} s295,$
 $s29 \xrightarrow{!210, (\text{cr_variable} = "CS_EVENT") \wedge (\text{cr_value} = "EV_INFO"), \{\}} s30,$
 $s29 \xrightarrow{!210, (\text{cr_variable} = "CS_EVENT") \wedge (\text{cr_value} = "EV_NONE"), \{\}} s31,$
 $s290 \xrightarrow{?GET, (\text{var_name} = "CS_EVENT"), \{\}} s291,$
 $s291 \xrightarrow{!210, (\text{cr_variable} = "CS_EVENT") \wedge (\text{cr_value} = "EV_INFO"), \{\}} s292,$
 $s291 \xrightarrow{!210, (\text{cr_variable} = "CS_EVENT") \wedge (\text{cr_value} = "EV_NONE"), \{\}} s293,$
 $s292 \xrightarrow{\tau, \text{true}, \{\}} s294, s293 \xrightarrow{\tau, \text{true}, \{\}} s294, s294 \xrightarrow{\tau, \text{true}, \{\}} s295,$
 $s295 \xrightarrow{\tau, \text{true}, \{\}} s296, s296 \xrightarrow{\tau, \text{true}, \{\}} s357, s297 \xrightarrow{!503, \text{true}, \{\}} s300,$
 $s297 \xrightarrow{!502, \text{true}, \{\}} s299, s297 \xrightarrow{!250, \text{true}, \{\}} s298, s298 \xrightarrow{\tau, \text{true}, \{\}} \text{sssoff},$
 $s299 \xrightarrow{\tau, \text{true}, \{\}} s305, s3 \xrightarrow{\tau, \text{true}, \{\}} s126, s30 \xrightarrow{\tau, \text{true}, \{\}} s32,$
 $s300 \xrightarrow{?GET, (\text{var_name} = "CS_EVENT"), \{\}} s301,$
 $s301 \xrightarrow{!210, (\text{cr_variable} = "CS_EVENT") \wedge (\text{cr_value} = "EV_INFO"), \{\}} s302,$
 $s301 \xrightarrow{!210, (\text{cr_variable} = "CS_EVENT") \wedge (\text{cr_value} = "EV_NONE"), \{\}} s303,$
 $s302 \xrightarrow{\tau, \text{true}, \{\}} s304, s303 \xrightarrow{\tau, \text{true}, \{\}} s304, s304 \xrightarrow{\tau, \text{true}, \{\}} s305,$
 $s305 \xrightarrow{\tau, \text{true}, \{\}} s306, s306 \xrightarrow{\tau, \text{true}, \{\}} s357, s307 \xrightarrow{!503, \text{true}, \{\}} s310,$
 $s307 \xrightarrow{!502, \text{true}, \{\}} s309,$
 $s307 \xrightarrow{!210, (\text{cr_variable} = "CS_ACCNT") \wedge (\text{cr_value} = "AS_IDLE"), \{\}} s308,$
 $s308 \xrightarrow{\tau, \text{true}, \{\}} s316, s309 \xrightarrow{\tau, \text{true}, \{\}} s315, s31 \xrightarrow{\tau, \text{true}, \{\}} s32,$
 $s310 \xrightarrow{?GET, (\text{var_name} = "CS_EVENT"), \{\}} s311,$
 $s311 \xrightarrow{!210, (\text{cr_variable} = "CS_EVENT") \wedge (\text{cr_value} = "EV_INFO"), \{\}} s312,$
 $s311 \xrightarrow{!210, (\text{cr_variable} = "CS_EVENT") \wedge (\text{cr_value} = "EV_NONE"), \{\}} s313,$
 $s312 \xrightarrow{\tau, \text{true}, \{\}} s314, s313 \xrightarrow{\tau, \text{true}, \{\}} s314, s314 \xrightarrow{\tau, \text{true}, \{\}} s315,$

$s315 \xrightarrow{\tau, \text{true}, \{\}} s316, s316 \xrightarrow{\tau, \text{true}, \{\}} s357, s317 \xrightarrow{?PRINT_EXIST, \text{true}, \{\}} s318,$
 $s318 \xrightarrow{!502, \text{true}, \{\}} s321, s318 \xrightarrow{!503, \text{true}, \{\}} s322, s318 \xrightarrow{!260, \text{true}, \{\}} s319,$
 $s318 \xrightarrow{!560, \text{true}, \{\}} s320, s319 \xrightarrow{\tau, \text{true}, \{\}} s328, s32 \xrightarrow{\tau, \text{true}, \{\}} s33,$
 $s320 \xrightarrow{\tau, \text{true}, \{\}} s328, s321 \xrightarrow{\tau, \text{true}, \{\}} s327,$
 $s322 \xrightarrow{?GET, (\text{var_name} = "CS_EVENT"), \{\}} s323,$
 $s323 \xrightarrow{!210, (\text{cr_variable} = "CS_EVENT") \wedge (\text{cr_value} = "EV_NONE"), \{\}} s325,$
 $s323 \xrightarrow{!210, (\text{cr_variable} = "CS_EVENT") \wedge (\text{cr_value} = "EV_INFO"), \{\}} s324,$
 $s324 \xrightarrow{\tau, \text{true}, \{\}} s326, s325 \xrightarrow{\tau, \text{true}, \{\}} s326, s326 \xrightarrow{\tau, \text{true}, \{\}} s327,$
 $s327 \xrightarrow{\tau, \text{true}, \{\}} s328, s328 \xrightarrow{\tau, \text{true}, \{\}} s340, s329 \xrightarrow{!260, \text{true}, \{\}} s330,$
 $s329 \xrightarrow{!503, \text{true}, \{\}} s333, s329 \xrightarrow{!560, \text{true}, \{\}} s331, s329 \xrightarrow{!502, \text{true}, \{\}} s332,$
 $s33 \xrightarrow{\tau, \text{true}, \{\}} s34, s330 \xrightarrow{\tau, \text{true}, \{\}} s339, s331 \xrightarrow{\tau, \text{true}, \{\}} s339,$
 $s332 \xrightarrow{\tau, \text{true}, \{\}} s338,$
 $s333 \xrightarrow{?GET, (\text{var_name} = "CS_EVENT"), \{\}} s334,$
 $s334 \xrightarrow{!210, (\text{cr_variable} = "CS_EVENT") \wedge (\text{cr_value} = "EV_INFO"), \{\}} s335,$
 $s334 \xrightarrow{!210, (\text{cr_variable} = "CS_EVENT") \wedge (\text{cr_value} = "EV_NONE"), \{\}} s336,$
 $s335 \xrightarrow{\tau, \text{true}, \{\}} s337, s336 \xrightarrow{\tau, \text{true}, \{\}} s337, s337 \xrightarrow{\tau, \text{true}, \{\}} s338,$
 $s338 \xrightarrow{\tau, \text{true}, \{\}} s339, s339 \xrightarrow{\tau, \text{true}, \{\}} s340, s34 \xrightarrow{?SIGNOFF, \text{true}, \{\}} s35,$
 $s340 \xrightarrow{\tau, \text{true}, \{\}} s357, s341 \xrightarrow{?RHCOPY_EXIST, \text{true}, \{\}} s342, s342 \xrightarrow{!502, \text{true}, \{\}} s345,$
 $s342 \xrightarrow{!501, \text{true}, \{\}} s344, s342 \xrightarrow{!503, \text{true}, \{\}} s346, s342 \xrightarrow{!500, \text{true}, \{\}} s343,$
 $s343 \xrightarrow{\tau, \text{true}, \{\}} s352, s344 \xrightarrow{\tau, \text{true}, \{\}} s352, s345 \xrightarrow{\tau, \text{true}, \{\}} s351,$
 $s346 \xrightarrow{?GET, (\text{var_name} = "CS_EVENT"), \{\}} s347,$
 $s347 \xrightarrow{!210, (\text{cr_variable} = "CS_EVENT") \wedge (\text{cr_value} = "EV_INFO"), \{\}} s348,$
 $s347 \xrightarrow{!210, (\text{cr_variable} = "CS_EVENT") \wedge (\text{cr_value} = "EV_NONE"), \{\}} s349,$
 $s348 \xrightarrow{\tau, \text{true}, \{\}} s350, s349 \xrightarrow{\tau, \text{true}, \{\}} s350, s35 \xrightarrow{!503, \text{true}, \{\}} s38,$
 $s35 \xrightarrow{!250, \text{true}, \{\}} s36, s35 \xrightarrow{!502, \text{true}, \{\}} s37, s350 \xrightarrow{\tau, \text{true}, \{\}} s351,$
 $s351 \xrightarrow{\tau, \text{true}, \{\}} s352, s352 \xrightarrow{\tau, \text{true}, \{\}} s357, s353 \xrightarrow{\tau, \text{true}, \{\}} s357,$
 $s354 \xrightarrow{\tau, \text{true}, \{\}} s357, s355 \xrightarrow{\tau, \text{true}, \{\}} s357, s356 \xrightarrow{\tau, \text{true}, \{\}} s357,$
 $s357 \xrightarrow{\tau, \text{true}, \{\}} \text{assidle},$
 $s358 \xrightarrow{!210, (\text{cr_variable} = "CS_SIGN") \wedge (\text{cr_value} = "SS_ON"), \{\}} s359,$
 $s358 \xrightarrow{!502, \text{true}, \{\}} s360, s358 \xrightarrow{!503, \text{true}, \{\}} s361, s359 \xrightarrow{\tau, \text{true}, \{\}} s367,$
 $s36 \xrightarrow{\tau, \text{true}, \{\}} s44, s360 \xrightarrow{\tau, \text{true}, \{\}} s366,$
 $s361 \xrightarrow{?GET, (\text{var_name} = "CS_EVENT"), \{\}} s362,$
 $s362 \xrightarrow{!210, (\text{cr_variable} = "CS_EVENT") \wedge (\text{cr_value} = "EV_NONE"), \{\}} s364,$
 $s362 \xrightarrow{!210, (\text{cr_variable} = "CS_EVENT") \wedge (\text{cr_value} = "EV_INFO"), \{\}} s363,$
 $s363 \xrightarrow{\tau, \text{true}, \{\}} s365, s364 \xrightarrow{\tau, \text{true}, \{\}} s365, s365 \xrightarrow{\tau, \text{true}, \{\}} s366,$
 $s366 \xrightarrow{\tau, \text{true}, \{\}} s367, s367 \xrightarrow{\tau, \text{true}, \{\}} s532, s368 \xrightarrow{\tau, \text{true}, \{\}} s532,$
 $s369 \xrightarrow{!503, \text{true}, \{\}} s372, s369 \xrightarrow{!502, \text{true}, \{\}} s371, s369 \xrightarrow{!211, \text{true}, \{\}} s370,$
 $s37 \xrightarrow{\tau, \text{true}, \{\}} s43, s370 \xrightarrow{\tau, \text{true}, \{\}} s378, s371 \xrightarrow{\tau, \text{true}, \{\}} s377,$

$s372 \xrightarrow{?GET, (var_name="CS_EVENT"), \{\}} s373,$
 $s373 \xrightarrow{!210, (cr_variable="CS_EVENT") \wedge (cr_value="EV_INFO"), \{\}} s374,$
 $s373 \xrightarrow{!210, (cr_variable="CS_EVENT") \wedge (cr_value="EV_NONE"), \{\}} s375,$
 $s374 \xrightarrow{\tau, true, \{\}} s376, s375 \xrightarrow{\tau, true, \{\}} s376, s376 \xrightarrow{\tau, true, \{\}} s377,$
 $s377 \xrightarrow{\tau, true, \{\}} s378, s378 \xrightarrow{\tau, true, \{\}} s397, s379 \xrightarrow{!503, true, \{\}} s382,$
 $s379 \xrightarrow{!502, true, \{\}} s381, s379 \xrightarrow{!211, true, \{\}} s380,$
 $s38 \xrightarrow{?GET, (var_name="CS_EVENT"), \{\}} s39,$
 $s380 \xrightarrow{\tau, true, \{\}} s388, s381 \xrightarrow{\tau, true, \{\}} s387,$
 $s382 \xrightarrow{?GET, (var_name="CS_EVENT"), \{\}} s383,$
 $s383 \xrightarrow{!210, (cr_variable="CS_EVENT") \wedge (cr_value="EV_NONE"), \{\}} s385,$
 $s383 \xrightarrow{!210, (cr_variable="CS_EVENT") \wedge (cr_value="EV_INFO"), \{\}} s384,$
 $s384 \xrightarrow{\tau, true, \{\}} s386, s385 \xrightarrow{\tau, true, \{\}} s386, s386 \xrightarrow{\tau, true, \{\}} s387,$
 $s387 \xrightarrow{\tau, true, \{\}} s388, s388 \xrightarrow{\tau, true, \{\}} s395,$
 $s388 \xrightarrow{?GET, (var_name="CERTDATA"), \{\}} s389,$
 $s389 \xrightarrow{!512, true, \{\}} s391, s389 \xrightarrow{!214, true, \{\}} s390, s389 \xrightarrow{!531, true, \{\}} s392,$
 $s389 \xrightarrow{!502, true, \{\}} s393,$
 $s39 \xrightarrow{!210, (cr_variable="CS_EVENT") \wedge (cr_value="EV_INFO"), \{\}} s40,$
 $s39 \xrightarrow{!210, (cr_variable="CS_EVENT") \wedge (cr_value="EV_NONE"), \{\}} s41,$
 $s390 \xrightarrow{\tau, true, \{\}} s394, s391 \xrightarrow{\tau, true, \{\}} s394, s392 \xrightarrow{\tau, true, \{\}} s394,$
 $s393 \xrightarrow{\tau, true, \{\}} s394, s394 \xrightarrow{\tau, true, \{\}} s388, s395 \xrightarrow{\tau, true, \{\}} s396,$
 $s396 \xrightarrow{\tau, true, \{\}} s397, s397 \xrightarrow{\tau, true, \{\}} s532,$
 $s398 \xrightarrow{!210, (cr_variable="CS_EVENT") \wedge (cr_value="EV_ERROR"), \{\}} s402,$
 $s398 \xrightarrow{!210, (cr_variable="CS_EVENT") \wedge (cr_value="EV_INFO"), \{\}} s400,$
 $s398 \xrightarrow{!210, (cr_variable="CS_EVENT") \wedge (cr_value="EV_NONE"), \{\}} s399,$
 $s398 \xrightarrow{!210, (cr_variable="CS_EVENT") \wedge (cr_value="EV_WARN"), \{\}} s401,$
 $s399 \xrightarrow{\tau, true, \{\}} s403,$
 $s4 \xrightarrow{?GET, (var_name="CS_ACCNT"), \{\}} s5,$
 $s40 \xrightarrow{\tau, true, \{\}} s42, s400 \xrightarrow{\tau, true, \{\}} s403, s401 \xrightarrow{\tau, true, \{\}} s403,$
 $s402 \xrightarrow{\tau, true, \{\}} s403, s403 \xrightarrow{\tau, true, \{\}} s532, s404 \xrightarrow{\tau, true, \{\}} s532,$
 $s405 \xrightarrow{!502, true, \{\}} s408, s405 \xrightarrow{!501, true, \{\}} s407, s405 \xrightarrow{!503, true, \{\}} s409,$
 $s405 \xrightarrow{!500, true, \{\}} s406, s406 \xrightarrow{\tau, true, \{\}} s415, s407 \xrightarrow{\tau, true, \{\}} s415,$
 $s408 \xrightarrow{\tau, true, \{\}} s414,$
 $s409 \xrightarrow{?GET, (var_name="CS_EVENT"), \{\}} s410,$
 $s41 \xrightarrow{\tau, true, \{\}} s42,$
 $s410 \xrightarrow{!210, (cr_variable="CS_EVENT") \wedge (cr_value="EV_INFO"), \{\}} s411,$
 $s410 \xrightarrow{!210, (cr_variable="CS_EVENT") \wedge (cr_value="EV_NONE"), \{\}} s412,$
 $s411 \xrightarrow{\tau, true, \{\}} s413, s412 \xrightarrow{\tau, true, \{\}} s413, s413 \xrightarrow{\tau, true, \{\}} s414,$
 $s414 \xrightarrow{\tau, true, \{\}} s415, s415 \xrightarrow{\tau, true, \{\}} s532, s416 \xrightarrow{!503, true, \{\}} s420,$

$s416 \xrightarrow{!502, \text{true}, \{\}} s419, s416 \xrightarrow{!201, \text{true}, \{\}} s417, s416 \xrightarrow{!503, \text{true}, \{\}} s418,$
 $s417 \xrightarrow{\tau, \text{true}, \{\}} s426, s418 \xrightarrow{\tau, \text{true}, \{\}} s426, s419 \xrightarrow{\tau, \text{true}, \{\}} s425,$
 $s42 \xrightarrow{\tau, \text{true}, \{\}} s43,$
 $s420 \xrightarrow{?GET, (\text{var_name} = "CS_EVENT"), \{\}} s421,$
 $s421 \xrightarrow{!210, (\text{cr_variable} = "CS_EVENT") \wedge (\text{cr_value} = "EV_INFO"), \{\}} s422,$
 $s421 \xrightarrow{!210, (\text{cr_variable} = "CS_EVENT") \wedge (\text{cr_value} = "EV_NONE"), \{\}} s423,$
 $s422 \xrightarrow{\tau, \text{true}, \{\}} s424, s423 \xrightarrow{\tau, \text{true}, \{\}} s424, s424 \xrightarrow{\tau, \text{true}, \{\}} s425,$
 $s425 \xrightarrow{\tau, \text{true}, \{\}} s426, s426 \xrightarrow{\tau, \text{true}, \{\}} s532, s427 \xrightarrow{!501, \text{true}, \{\}} s430,$
 $s427 \xrightarrow{!503, \text{true}, \{\}} s432, s427 \xrightarrow{!502, \text{true}, \{\}} s431, s427 \xrightarrow{!202, \text{true}, \{\}} s428,$
 $s427 \xrightarrow{!531, \text{true}, \{\}} s429, s428 \xrightarrow{\tau, \text{true}, \{\}} s438, s429 \xrightarrow{\tau, \text{true}, \{\}} s438,$
 $s43 \xrightarrow{\tau, \text{true}, \{\}} s44, s430 \xrightarrow{\tau, \text{true}, \{\}} s438, s431 \xrightarrow{\tau, \text{true}, \{\}} s437,$
 $s432 \xrightarrow{?GET, (\text{var_name} = "CS_EVENT"), \{\}} s433,$
 $s433 \xrightarrow{!210, (\text{cr_variable} = "CS_EVENT") \wedge (\text{cr_value} = "EV_NONE"), \{\}} s435,$
 $s433 \xrightarrow{!210, (\text{cr_variable} = "CS_EVENT") \wedge (\text{cr_value} = "EV_INFO"), \{\}} s434,$
 $s434 \xrightarrow{\tau, \text{true}, \{\}} s436, s435 \xrightarrow{\tau, \text{true}, \{\}} s436, s436 \xrightarrow{\tau, \text{true}, \{\}} s437,$
 $s437 \xrightarrow{\tau, \text{true}, \{\}} s438, s438 \xrightarrow{\tau, \text{true}, \{\}} s532, s439 \xrightarrow{\tau, \text{true}, \{\}} s532,$
 $s44 \xrightarrow{\tau, \text{true}, \{\}} \text{sssoff}, s440 \xrightarrow{!502, \text{true}, \{\}} s445, s440 \xrightarrow{!212, \text{true}, \{\}} s441,$
 $s440 \xrightarrow{!503, \text{true}, \{\}} s446, s440 \xrightarrow{\tau, \text{true}, \{\}} s442, s441 \xrightarrow{\tau, \text{true}, \{\}} s440,$
 $s442 \xrightarrow{\tau, \text{true}, \{\}} s443, s443 \xrightarrow{!232, \text{true}, \{\}} s444, s444 \xrightarrow{\tau, \text{true}, \{\}} s452,$
 $s445 \xrightarrow{\tau, \text{true}, \{\}} s451,$
 $s446 \xrightarrow{?GET, (\text{var_name} = "CS_EVENT"), \{\}} s447,$
 $s447 \xrightarrow{!210, (\text{cr_variable} = "CS_EVENT") \wedge (\text{cr_value} = "EV_INFO"), \{\}} s448,$
 $s447 \xrightarrow{!210, (\text{cr_variable} = "CS_EVENT") \wedge (\text{cr_value} = "EV_NONE"), \{\}} s449,$
 $s448 \xrightarrow{\tau, \text{true}, \{\}} s450, s449 \xrightarrow{\tau, \text{true}, \{\}} s450,$
 $s45 \xrightarrow{?TRANS, (\text{trans_id} = "TM_BANK"), \{\}} s46,$
 $s450 \xrightarrow{\tau, \text{true}, \{\}} s451, s451 \xrightarrow{\tau, \text{true}, \{\}} s452, s452 \xrightarrow{\tau, \text{true}, \{\}} s532,$
 $s453 \xrightarrow{!502, \text{true}, \{\}} s455, s453 \xrightarrow{!501, \text{true}, \{\}} s454, s453 \xrightarrow{!503, \text{true}, \{\}} s456,$
 $s454 \xrightarrow{\tau, \text{true}, \{\}} s462, s455 \xrightarrow{\tau, \text{true}, \{\}} s461,$
 $s456 \xrightarrow{?GET, (\text{var_name} = "CS_EVENT"), \{\}} s457,$
 $s457 \xrightarrow{!210, (\text{cr_variable} = "CS_EVENT") \wedge (\text{cr_value} = "EV_INFO"), \{\}} s458,$
 $s457 \xrightarrow{!210, (\text{cr_variable} = "CS_EVENT") \wedge (\text{cr_value} = "EV_NONE"), \{\}} s459,$
 $s458 \xrightarrow{\tau, \text{true}, \{\}} s460, s459 \xrightarrow{\tau, \text{true}, \{\}} s460, s46 \xrightarrow{!240, \text{true}, \{\}} s47,$
 $s460 \xrightarrow{\tau, \text{true}, \{\}} s461, s461 \xrightarrow{\tau, \text{true}, \{\}} s462, s462 \xrightarrow{\tau, \text{true}, \{\}} s532,$
 $s463 \xrightarrow{!502, \text{true}, \{\}} s466, s463 \xrightarrow{!501, \text{true}, \{\}} s465, s463 \xrightarrow{!503, \text{true}, \{\}} s467,$
 $s463 \xrightarrow{!500, \text{true}, \{\}} s464, s464 \xrightarrow{\tau, \text{true}, \{\}} s473, s465 \xrightarrow{\tau, \text{true}, \{\}} s473,$
 $s466 \xrightarrow{\tau, \text{true}, \{\}} s472,$
 $s467 \xrightarrow{?GET, (\text{var_name} = "CS_EVENT"), \{\}} s468,$
 $s468 \xrightarrow{!210, (\text{cr_variable} = "CS_EVENT") \wedge (\text{cr_value} = "EV_NONE"), \{\}} s470,$

$s468 \xrightarrow{!210, (cr_variable = "CS_EVENT") \wedge (cr_value = "EV_INFO"), \{\}} s469,$
 $s469 \xrightarrow{\tau, true, \{\}} s471, s47 \xrightarrow{?IDLE, true, \{\}} s48, s470 \xrightarrow{\tau, true, \{\}} s471,$
 $s471 \xrightarrow{\tau, true, \{\}} s472, s472 \xrightarrow{\tau, true, \{\}} s473, s473 \xrightarrow{\tau, true, \{\}} s532,$
 $s474 \xrightarrow{!503, true, \{\}} s480, s474 \xrightarrow{!212, true, \{\}} s475, s474 \xrightarrow{!502, true, \{\}} s479,$
 $s474 \xrightarrow{\tau, true, \{\}} s476, s475 \xrightarrow{\tau, true, \{\}} s474, s476 \xrightarrow{\tau, true, \{\}} s477,$
 $s477 \xrightarrow{!230, true, \{\}} s478, s478 \xrightarrow{\tau, true, \{\}} assclosed, s479 \xrightarrow{\tau, true, \{\}} s485,$
 $s48 \xrightarrow{!503, true, \{\}} s51, s48 \xrightarrow{!233, true, \{\}} s49, s48 \xrightarrow{!502, true, \{\}} s50,$
 $s480 \xrightarrow{?GET, (var_name = "CS_EVENT"), \{\}} s481,$
 $s481 \xrightarrow{!210, (cr_variable = "CS_EVENT") \wedge (cr_value = "EV_INFO"), \{\}} s482,$
 $s481 \xrightarrow{!210, (cr_variable = "CS_EVENT") \wedge (cr_value = "EV_NONE"), \{\}} s483,$
 $s482 \xrightarrow{\tau, true, \{\}} s484, s483 \xrightarrow{\tau, true, \{\}} s484, s484 \xrightarrow{\tau, true, \{\}} s485,$
 $s485 \xrightarrow{\tau, true, \{\}} s486, s486 \xrightarrow{\tau, true, \{\}} s532, s487 \xrightarrow{!503, true, \{\}} s490,$
 $s487 \xrightarrow{!500, true, \{\}} s488, s487 \xrightarrow{!502, true, \{\}} s489, s488 \xrightarrow{\tau, true, \{\}} s496,$
 $s489 \xrightarrow{\tau, true, \{\}} s495, s49 \xrightarrow{\tau, true, \{\}} s57,$
 $s490 \xrightarrow{?GET, (var_name = "CS_EVENT"), \{\}} s491,$
 $s491 \xrightarrow{!210, (cr_variable = "CS_EVENT") \wedge (cr_value = "EV_INFO"), \{\}} s492,$
 $s491 \xrightarrow{!210, (cr_variable = "CS_EVENT") \wedge (cr_value = "EV_NONE"), \{\}} s493,$
 $s492 \xrightarrow{\tau, true, \{\}} s494, s493 \xrightarrow{\tau, true, \{\}} s494, s494 \xrightarrow{\tau, true, \{\}} s495,$
 $s495 \xrightarrow{\tau, true, \{\}} s496, s496 \xrightarrow{\tau, true, \{\}} s532, s497 \xrightarrow{!503, true, \{\}} s500,$
 $s497 \xrightarrow{!502, true, \{\}} s499,$
 $s497 \xrightarrow{!210, (cr_variable = "CS_ACCNT") \wedge (cr_value = "AS_OPEN"), \{\}} s498,$
 $s498 \xrightarrow{\tau, true, \{\}} s506, s499 \xrightarrow{\tau, true, \{\}} s505,$
 $s5 \xrightarrow{!210, (cr_variable = "CS_ACCNT") \wedge (cr_value = "AS_ENDING"), \{\}} s90,$
 $s5 \xrightarrow{!503, true, \{\}} s112,$
 $s5 \xrightarrow{!210, (cr_variable = "CS_ACCNT") \wedge (cr_value = "AS_IDLE"), \{\}} s6,$
 $s5 \xrightarrow{!210, (cr_variable = "CS_ACCNT") \wedge (cr_value = "AS_TRANSING"), \{\}} s68,$
 $s5 \xrightarrow{!502, true, \{\}} s111,$
 $s5 \xrightarrow{!210, (cr_variable = "CS_ACCNT") \wedge (cr_value = "AS_CLOSED"), \{\}} s45,$
 $s5 \xrightarrow{!210, (cr_variable = "CS_ACCNT") \wedge (cr_value = "AS_OPEN"), \{\}} s17,$
 $s50 \xrightarrow{\tau, true, \{\}} s56,$
 $s500 \xrightarrow{?GET, (var_name = "CS_EVENT"), \{\}} s501,$
 $s501 \xrightarrow{!210, (cr_variable = "CS_EVENT") \wedge (cr_value = "EV_INFO"), \{\}} s502,$
 $s501 \xrightarrow{!210, (cr_variable = "CS_EVENT") \wedge (cr_value = "EV_NONE"), \{\}} s503,$
 $s502 \xrightarrow{\tau, true, \{\}} s504, s503 \xrightarrow{\tau, true, \{\}} s504, s504 \xrightarrow{\tau, true, \{\}} s505,$
 $s505 \xrightarrow{\tau, true, \{\}} s506, s506 \xrightarrow{\tau, true, \{\}} s532, s507 \xrightarrow{!503, true, \{\}} s511,$
 $s507 \xrightarrow{!260, true, \{\}} s508, s507 \xrightarrow{!502, true, \{\}} s510, s507 \xrightarrow{!560, true, \{\}} s509,$
 $s508 \xrightarrow{\tau, true, \{\}} s517, s509 \xrightarrow{\tau, true, \{\}} s517,$
 $s51 \xrightarrow{?GET, (var_name = "CS_EVENT"), \{\}} s52,$

$s510 \xrightarrow{\tau, \text{true}, \{\}} s516,$
 $s511 \xrightarrow{?GET, (\text{var_name} = \text{"CS_EVENT"}), \{\}} s512,$
 $s512 \xrightarrow{!210, (\text{cr_variable} = \text{"CS_EVENT"}) \wedge (\text{cr_value} = \text{"EV_INFO"}), \{\}} s513,$
 $s512 \xrightarrow{!210, (\text{cr_variable} = \text{"CS_EVENT"}) \wedge (\text{cr_value} = \text{"EV_NONE"}), \{\}} s514,$
 $s513 \xrightarrow{\tau, \text{true}, \{\}} s515, s514 \xrightarrow{\tau, \text{true}, \{\}} s515, s515 \xrightarrow{\tau, \text{true}, \{\}} s516,$
 $s516 \xrightarrow{\tau, \text{true}, \{\}} s517, s517 \xrightarrow{\tau, \text{true}, \{\}} s532, s518 \xrightarrow{!503, \text{true}, \{\}} s522,$
 $s518 \xrightarrow{!501, \text{true}, \{\}} s520, s518 \xrightarrow{!502, \text{true}, \{\}} s521, s518 \xrightarrow{!500, \text{true}, \{\}} s519,$
 $s519 \xrightarrow{\tau, \text{true}, \{\}} s528,$
 $s52 \xrightarrow{!210, (\text{cr_variable} = \text{"CS_EVENT"}) \wedge (\text{cr_value} = \text{"EV_INFO"}), \{\}} s53,$
 $s52 \xrightarrow{!210, (\text{cr_variable} = \text{"CS_EVENT"}) \wedge (\text{cr_value} = \text{"EV_NONE"}), \{\}} s54,$
 $s520 \xrightarrow{\tau, \text{true}, \{\}} s528, s521 \xrightarrow{\tau, \text{true}, \{\}} s527,$
 $s522 \xrightarrow{?GET, (\text{var_name} = \text{"CS_EVENT"}), \{\}} s523,$
 $s523 \xrightarrow{!210, (\text{cr_variable} = \text{"CS_EVENT"}) \wedge (\text{cr_value} = \text{"EV_INFO"}), \{\}} s524,$
 $s523 \xrightarrow{!210, (\text{cr_variable} = \text{"CS_EVENT"}) \wedge (\text{cr_value} = \text{"EV_NONE"}), \{\}} s525,$
 $s524 \xrightarrow{\tau, \text{true}, \{\}} s526, s525 \xrightarrow{\tau, \text{true}, \{\}} s526, s526 \xrightarrow{\tau, \text{true}, \{\}} s527,$
 $s527 \xrightarrow{\tau, \text{true}, \{\}} s528, s528 \xrightarrow{\tau, \text{true}, \{\}} s532, s529 \xrightarrow{\tau, \text{true}, \{\}} s532,$
 $s53 \xrightarrow{\tau, \text{true}, \{\}} s55, s530 \xrightarrow{\tau, \text{true}, \{\}} s532, s531 \xrightarrow{\tau, \text{true}, \{\}} s532,$
 $s532 \xrightarrow{\tau, \text{true}, \{\}} \text{assopen}, s533 \xrightarrow{!503, \text{true}, \{\}} s536, s533 \xrightarrow{!502, \text{true}, \{\}} s535,$
 $s533 \xrightarrow{!210, (\text{cr_variable} = \text{"CS_SIGN"}) \wedge (\text{cr_value} = \text{"SS_ON"}), \{\}} s534,$
 $s534 \xrightarrow{\tau, \text{true}, \{\}} s542, s535 \xrightarrow{\tau, \text{true}, \{\}} s541,$
 $s536 \xrightarrow{?GET, (\text{var_name} = \text{"CS_EVENT"}), \{\}} s537,$
 $s537 \xrightarrow{!210, (\text{cr_variable} = \text{"CS_EVENT"}) \wedge (\text{cr_value} = \text{"EV_INFO"}), \{\}} s538,$
 $s537 \xrightarrow{!210, (\text{cr_variable} = \text{"CS_EVENT"}) \wedge (\text{cr_value} = \text{"EV_NONE"}), \{\}} s539,$
 $s538 \xrightarrow{\tau, \text{true}, \{\}} s540, s539 \xrightarrow{\tau, \text{true}, \{\}} s540, s54 \xrightarrow{\tau, \text{true}, \{\}} s55,$
 $s540 \xrightarrow{\tau, \text{true}, \{\}} s541, s541 \xrightarrow{\tau, \text{true}, \{\}} s542, s542 \xrightarrow{\tau, \text{true}, \{\}} s759,$
 $s543 \xrightarrow{\tau, \text{true}, \{\}} s759, s544 \xrightarrow{!211, \text{true}, \{\}} s545, s544 \xrightarrow{!502, \text{true}, \{\}} s546,$
 $s544 \xrightarrow{!503, \text{true}, \{\}} s547, s545 \xrightarrow{\tau, \text{true}, \{\}} s553, s546 \xrightarrow{\tau, \text{true}, \{\}} s552,$
 $s547 \xrightarrow{?GET, (\text{var_name} = \text{"CS_EVENT"}), \{\}} s548,$
 $s548 \xrightarrow{!210, (\text{cr_variable} = \text{"CS_EVENT"}) \wedge (\text{cr_value} = \text{"EV_INFO"}), \{\}} s549,$
 $s548 \xrightarrow{!210, (\text{cr_variable} = \text{"CS_EVENT"}) \wedge (\text{cr_value} = \text{"EV_NONE"}), \{\}} s550,$
 $s549 \xrightarrow{\tau, \text{true}, \{\}} s551, s55 \xrightarrow{\tau, \text{true}, \{\}} s56, s550 \xrightarrow{\tau, \text{true}, \{\}} s551,$
 $s551 \xrightarrow{\tau, \text{true}, \{\}} s552, s552 \xrightarrow{\tau, \text{true}, \{\}} s553, s553 \xrightarrow{\tau, \text{true}, \{\}} s572,$
 $s554 \xrightarrow{!502, \text{true}, \{\}} s556, s554 \xrightarrow{!211, \text{true}, \{\}} s555, s554 \xrightarrow{!503, \text{true}, \{\}} s557,$
 $s555 \xrightarrow{\tau, \text{true}, \{\}} s563, s556 \xrightarrow{\tau, \text{true}, \{\}} s562,$
 $s557 \xrightarrow{?GET, (\text{var_name} = \text{"CS_EVENT"}), \{\}} s558,$
 $s558 \xrightarrow{!210, (\text{cr_variable} = \text{"CS_EVENT"}) \wedge (\text{cr_value} = \text{"EV_NONE"}), \{\}} s560,$
 $s558 \xrightarrow{!210, (\text{cr_variable} = \text{"CS_EVENT"}) \wedge (\text{cr_value} = \text{"EV_INFO"}), \{\}} s559,$
 $s559 \xrightarrow{\tau, \text{true}, \{\}} s561, s56 \xrightarrow{\tau, \text{true}, \{\}} s57, s560 \xrightarrow{\tau, \text{true}, \{\}} s561,$

$s561 \xrightarrow{\tau, \text{true}, \{\}} s562, s562 \xrightarrow{\tau, \text{true}, \{\}} s563,$
 $s563 \xrightarrow{?GET, (\text{var_name} = \text{"CERTDATA"}), \{\}} s564,$
 $s563 \xrightarrow{\tau, \text{true}, \{\}} s570, s564 \xrightarrow{!502, \text{true}, \{\}} s568, s564 \xrightarrow{!531, \text{true}, \{\}} s567,$
 $s564 \xrightarrow{!512, \text{true}, \{\}} s566, s564 \xrightarrow{!214, \text{true}, \{\}} s565, s565 \xrightarrow{\tau, \text{true}, \{\}} s569,$
 $s566 \xrightarrow{\tau, \text{true}, \{\}} s569, s567 \xrightarrow{\tau, \text{true}, \{\}} s569, s568 \xrightarrow{\tau, \text{true}, \{\}} s569,$
 $s569 \xrightarrow{\tau, \text{true}, \{\}} s563, s57 \xrightarrow{?SIGNOFF, \text{true}, \{\}} s58, s570 \xrightarrow{\tau, \text{true}, \{\}} s571,$
 $s571 \xrightarrow{\tau, \text{true}, \{\}} s572, s572 \xrightarrow{\tau, \text{true}, \{\}} s759,$
 $s573 \xrightarrow{!210, (\text{cr_variable} = \text{"CS_EVENT"}) \wedge (\text{cr_value} = \text{"EV_ERROR"}), \{\}} s577,$
 $s573 \xrightarrow{!210, (\text{cr_variable} = \text{"CS_EVENT"}) \wedge (\text{cr_value} = \text{"EV_INFO"}), \{\}} s575,$
 $s573 \xrightarrow{!210, (\text{cr_variable} = \text{"CS_EVENT"}) \wedge (\text{cr_value} = \text{"EV_WARN"}), \{\}} s576,$
 $s573 \xrightarrow{!210, (\text{cr_variable} = \text{"CS_EVENT"}) \wedge (\text{cr_value} = \text{"EV_NONE"}), \{\}} s574,$
 $s574 \xrightarrow{\tau, \text{true}, \{\}} s578, s575 \xrightarrow{\tau, \text{true}, \{\}} s578, s576 \xrightarrow{\tau, \text{true}, \{\}} s578,$
 $s577 \xrightarrow{\tau, \text{true}, \{\}} s578, s578 \xrightarrow{\tau, \text{true}, \{\}} s759, s579 \xrightarrow{\tau, \text{true}, \{\}} s759,$
 $s58 \xrightarrow{!503, \text{true}, \{\}} s61, s58 \xrightarrow{!502, \text{true}, \{\}} s60, s58 \xrightarrow{!250, \text{true}, \{\}} s59,$
 $s580 \xrightarrow{!501, \text{true}, \{\}} s582, s580 \xrightarrow{!503, \text{true}, \{\}} s584, s580 \xrightarrow{!500, \text{true}, \{\}} s581,$
 $s580 \xrightarrow{!502, \text{true}, \{\}} s583, s581 \xrightarrow{\tau, \text{true}, \{\}} s590, s582 \xrightarrow{\tau, \text{true}, \{\}} s590,$
 $s583 \xrightarrow{\tau, \text{true}, \{\}} s589,$
 $s584 \xrightarrow{?GET, (\text{var_name} = \text{"CS_EVENT"}), \{\}} s585,$
 $s585 \xrightarrow{!210, (\text{cr_variable} = \text{"CS_EVENT"}) \wedge (\text{cr_value} = \text{"EV_INFO"}), \{\}} s586,$
 $s585 \xrightarrow{!210, (\text{cr_variable} = \text{"CS_EVENT"}) \wedge (\text{cr_value} = \text{"EV_NONE"}), \{\}} s587,$
 $s586 \xrightarrow{\tau, \text{true}, \{\}} s588, s587 \xrightarrow{\tau, \text{true}, \{\}} s588, s588 \xrightarrow{\tau, \text{true}, \{\}} s589,$
 $s589 \xrightarrow{\tau, \text{true}, \{\}} s590, s59 \xrightarrow{\tau, \text{true}, \{\}} s67, s590 \xrightarrow{\tau, \text{true}, \{\}} s759,$
 $s591 \xrightarrow{!201, \text{true}, \{\}} s592, s591 \xrightarrow{!502, \text{true}, \{\}} s594, s591 \xrightarrow{!503, \text{true}, \{\}} s593,$
 $s591 \xrightarrow{!503, \text{true}, \{\}} s595, s592 \xrightarrow{\tau, \text{true}, \{\}} s601, s593 \xrightarrow{\tau, \text{true}, \{\}} s601,$
 $s594 \xrightarrow{\tau, \text{true}, \{\}} s600,$
 $s595 \xrightarrow{?GET, (\text{var_name} = \text{"CS_EVENT"}), \{\}} s596,$
 $s596 \xrightarrow{!210, (\text{cr_variable} = \text{"CS_EVENT"}) \wedge (\text{cr_value} = \text{"EV_NONE"}), \{\}} s598,$
 $s596 \xrightarrow{!210, (\text{cr_variable} = \text{"CS_EVENT"}) \wedge (\text{cr_value} = \text{"EV_INFO"}), \{\}} s597,$
 $s597 \xrightarrow{\tau, \text{true}, \{\}} s599, s598 \xrightarrow{\tau, \text{true}, \{\}} s599, s599 \xrightarrow{\tau, \text{true}, \{\}} s600,$
 $s6 \xrightarrow{?SIGNOFF, \text{true}, \{\}} s7, s60 \xrightarrow{\tau, \text{true}, \{\}} s66, s600 \xrightarrow{\tau, \text{true}, \{\}} s601,$
 $s601 \xrightarrow{\tau, \text{true}, \{\}} s759, s602 \xrightarrow{!502, \text{true}, \{\}} s606, s602 \xrightarrow{!202, \text{true}, \{\}} s603,$
 $s602 \xrightarrow{!531, \text{true}, \{\}} s604, s602 \xrightarrow{!503, \text{true}, \{\}} s607, s602 \xrightarrow{!501, \text{true}, \{\}} s605,$
 $s603 \xrightarrow{\tau, \text{true}, \{\}} s613, s604 \xrightarrow{\tau, \text{true}, \{\}} s613, s605 \xrightarrow{\tau, \text{true}, \{\}} s613,$
 $s606 \xrightarrow{\tau, \text{true}, \{\}} s612,$
 $s607 \xrightarrow{?GET, (\text{var_name} = \text{"CS_EVENT"}), \{\}} s608,$
 $s608 \xrightarrow{!210, (\text{cr_variable} = \text{"CS_EVENT"}) \wedge (\text{cr_value} = \text{"EV_INFO"}), \{\}} s609,$
 $s608 \xrightarrow{!210, (\text{cr_variable} = \text{"CS_EVENT"}) \wedge (\text{cr_value} = \text{"EV_NONE"}), \{\}} s610,$
 $s609 \xrightarrow{\tau, \text{true}, \{\}} s611,$

$s61 \xrightarrow{?GET, (var_name="CS_EVENT"), \{\}} s62,$
 $s610 \xrightarrow{\tau, true, \{\}} s611, s611 \xrightarrow{\tau, true, \{\}} s612, s612 \xrightarrow{\tau, true, \{\}} s613,$
 $s613 \xrightarrow{\tau, true, \{\}} s759, s614 \xrightarrow{\tau, true, \{\}} s759, s615 \xrightarrow{!540, true, \{\}} s616,$
 $s615 \xrightarrow{!502, true, \{\}} s630, s615 \xrightarrow{!542, true, \{\}} s623, s615 \xrightarrow{!503, true, \{\}} s631,$
 $s616 \xrightarrow{?GET, (var_name="CS_EVENT"), \{\}} s617,$
 $s617 \xrightarrow{!210, (cr_variable="CS_EVENT") \wedge (cr_value="EV_ERROR"), \{\}} s621,$
 $s617 \xrightarrow{!210, (cr_variable="CS_EVENT") \wedge (cr_value="EV_INFO"), \{\}} s619,$
 $s617 \xrightarrow{!210, (cr_variable="CS_EVENT") \wedge (cr_value="EV_NONE"), \{\}} s618,$
 $s617 \xrightarrow{!210, (cr_variable="CS_EVENT") \wedge (cr_value="EV_WARN"), \{\}} s620,$
 $s618 \xrightarrow{\tau, true, \{\}} s622, s619 \xrightarrow{\tau, true, \{\}} s622,$
 $s62 \xrightarrow{!210, (cr_variable="CS_EVENT") \wedge (cr_value="EV_INFO"), \{\}} s63,$
 $s62 \xrightarrow{!210, (cr_variable="CS_EVENT") \wedge (cr_value="EV_NONE"), \{\}} s64,$
 $s620 \xrightarrow{\tau, true, \{\}} s622, s621 \xrightarrow{\tau, true, \{\}} s622, s622 \xrightarrow{\tau, true, \{\}} s637,$
 $s623 \xrightarrow{?GET, (var_name="CS_EVENT"), \{\}} s624,$
 $s624 \xrightarrow{!210, (cr_variable="CS_EVENT") \wedge (cr_value="EV_NONE"), \{\}} s625,$
 $s624 \xrightarrow{!210, (cr_variable="CS_EVENT") \wedge (cr_value="EV_INFO"), \{\}} s626,$
 $s624 \xrightarrow{!210, (cr_variable="CS_EVENT") \wedge (cr_value="EV_WARN"), \{\}} s627,$
 $s624 \xrightarrow{!210, (cr_variable="CS_EVENT") \wedge (cr_value="EV_ERROR"), \{\}} s628,$
 $s625 \xrightarrow{\tau, true, \{\}} s629, s626 \xrightarrow{\tau, true, \{\}} s629, s627 \xrightarrow{\tau, true, \{\}} s629,$
 $s628 \xrightarrow{\tau, true, \{\}} s629, s629 \xrightarrow{\tau, true, \{\}} s637, s63 \xrightarrow{\tau, true, \{\}} s65,$
 $s630 \xrightarrow{\tau, true, \{\}} s636,$
 $s631 \xrightarrow{?GET, (var_name="CS_EVENT"), \{\}} s632,$
 $s632 \xrightarrow{!210, (cr_variable="CS_EVENT") \wedge (cr_value="EV_INFO"), \{\}} s633,$
 $s632 \xrightarrow{!210, (cr_variable="CS_EVENT") \wedge (cr_value="EV_NONE"), \{\}} s634,$
 $s633 \xrightarrow{\tau, true, \{\}} s635, s634 \xrightarrow{\tau, true, \{\}} s635, s635 \xrightarrow{\tau, true, \{\}} s636,$
 $s636 \xrightarrow{\tau, true, \{\}} s637, s637 \xrightarrow{\tau, true, \{\}} s759, s638 \xrightarrow{!540, true, \{\}} s639,$
 $s638 \xrightarrow{!502, true, \{\}} s653, s638 \xrightarrow{!503, true, \{\}} s654, s638 \xrightarrow{!542, true, \{\}} s646,$
 $s639 \xrightarrow{?GET, (var_name="CS_EVENT"), \{\}} s640,$
 $s64 \xrightarrow{\tau, true, \{\}} s65,$
 $s640 \xrightarrow{!210, (cr_variable="CS_EVENT") \wedge (cr_value="EV_INFO"), \{\}} s642,$
 $s640 \xrightarrow{!210, (cr_variable="CS_EVENT") \wedge (cr_value="EV_WARN"), \{\}} s643,$
 $s640 \xrightarrow{!210, (cr_variable="CS_EVENT") \wedge (cr_value="EV_ERROR"), \{\}} s644,$
 $s640 \xrightarrow{!210, (cr_variable="CS_EVENT") \wedge (cr_value="EV_NONE"), \{\}} s641,$
 $s641 \xrightarrow{\tau, true, \{\}} s645, s642 \xrightarrow{\tau, true, \{\}} s645, s643 \xrightarrow{\tau, true, \{\}} s645,$
 $s644 \xrightarrow{\tau, true, \{\}} s645, s645 \xrightarrow{\tau, true, \{\}} s660,$
 $s646 \xrightarrow{?GET, (var_name="CS_EVENT"), \{\}} s647,$
 $s647 \xrightarrow{!210, (cr_variable="CS_EVENT") \wedge (cr_value="EV_INFO"), \{\}} s649,$
 $s647 \xrightarrow{!210, (cr_variable="CS_EVENT") \wedge (cr_value="EV_WARN"), \{\}} s650,$

$s647 \xrightarrow{!210, (cr_variable = "CS_EVENT") \wedge (cr_value = "EV_ERROR"), \{\}} s651,$
 $s647 \xrightarrow{!210, (cr_variable = "CS_EVENT") \wedge (cr_value = "EV_NONE"), \{\}} s648,$
 $s648 \xrightarrow{\tau, true, \{\}} s652, s649 \xrightarrow{\tau, true, \{\}} s652, s65 \xrightarrow{\tau, true, \{\}} s66,$
 $s650 \xrightarrow{\tau, true, \{\}} s652, s651 \xrightarrow{\tau, true, \{\}} s652, s652 \xrightarrow{\tau, true, \{\}} s660,$
 $s653 \xrightarrow{\tau, true, \{\}} s659,$
 $s654 \xrightarrow{?GET, (var_name = "CS_EVENT"), \{\}} s655,$
 $s655 \xrightarrow{!210, (cr_variable = "CS_EVENT") \wedge (cr_value = "EV_INFO"), \{\}} s656,$
 $s655 \xrightarrow{!210, (cr_variable = "CS_EVENT") \wedge (cr_value = "EV_NONE"), \{\}} s657,$
 $s656 \xrightarrow{\tau, true, \{\}} s658, s657 \xrightarrow{\tau, true, \{\}} s658, s658 \xrightarrow{\tau, true, \{\}} s659,$
 $s659 \xrightarrow{\tau, true, \{\}} s660, s66 \xrightarrow{\tau, true, \{\}} s67, s660 \xrightarrow{\tau, true, \{\}} s759,$
 $s661 \xrightarrow{\tau, true, \{\}} s759, s662 \xrightarrow{!503, true, \{\}} s678, s662 \xrightarrow{!540, true, \{\}} s663,$
 $s662 \xrightarrow{!502, true, \{\}} s677, s662 \xrightarrow{!542, true, \{\}} s670,$
 $s663 \xrightarrow{?GET, (var_name = "CS_EVENT"), \{\}} s664,$
 $s664 \xrightarrow{!210, (cr_variable = "CS_EVENT") \wedge (cr_value = "EV_INFO"), \{\}} s666,$
 $s664 \xrightarrow{!210, (cr_variable = "CS_EVENT") \wedge (cr_value = "EV_NONE"), \{\}} s665,$
 $s664 \xrightarrow{!210, (cr_variable = "CS_EVENT") \wedge (cr_value = "EV_ERROR"), \{\}} s668,$
 $s664 \xrightarrow{!210, (cr_variable = "CS_EVENT") \wedge (cr_value = "EV_WARN"), \{\}} s667,$
 $s665 \xrightarrow{\tau, true, \{\}} s669, s666 \xrightarrow{\tau, true, \{\}} s669, s667 \xrightarrow{\tau, true, \{\}} s669,$
 $s668 \xrightarrow{\tau, true, \{\}} s669, s669 \xrightarrow{\tau, true, \{\}} s684, s67 \xrightarrow{\tau, true, \{\}} sssoff,$
 $s670 \xrightarrow{?GET, (var_name = "CS_EVENT"), \{\}} s671,$
 $s671 \xrightarrow{!210, (cr_variable = "CS_EVENT") \wedge (cr_value = "EV_ERROR"), \{\}} s675,$
 $s671 \xrightarrow{!210, (cr_variable = "CS_EVENT") \wedge (cr_value = "EV_NONE"), \{\}} s672,$
 $s671 \xrightarrow{!210, (cr_variable = "CS_EVENT") \wedge (cr_value = "EV_INFO"), \{\}} s673,$
 $s671 \xrightarrow{!210, (cr_variable = "CS_EVENT") \wedge (cr_value = "EV_WARN"), \{\}} s674,$
 $s672 \xrightarrow{\tau, true, \{\}} s676, s673 \xrightarrow{\tau, true, \{\}} s676, s674 \xrightarrow{\tau, true, \{\}} s676,$
 $s675 \xrightarrow{\tau, true, \{\}} s676, s676 \xrightarrow{\tau, true, \{\}} s684, s677 \xrightarrow{\tau, true, \{\}} s683,$
 $s678 \xrightarrow{?GET, (var_name = "CS_EVENT"), \{\}} s679,$
 $s679 \xrightarrow{!210, (cr_variable = "CS_EVENT") \wedge (cr_value = "EV_NONE"), \{\}} s681,$
 $s679 \xrightarrow{!210, (cr_variable = "CS_EVENT") \wedge (cr_value = "EV_INFO"), \{\}} s680,$
 $s68 \xrightarrow{!240, true, \{\}} s69, s680 \xrightarrow{\tau, true, \{\}} s682, s681 \xrightarrow{\tau, true, \{\}} s682,$
 $s682 \xrightarrow{\tau, true, \{\}} s683, s683 \xrightarrow{\tau, true, \{\}} s684, s684 \xrightarrow{\tau, true, \{\}} s759,$
 $s685 \xrightarrow{!542, true, \{\}} s693, s685 \xrightarrow{!540, true, \{\}} s686, s685 \xrightarrow{!502, true, \{\}} s700,$
 $s685 \xrightarrow{!503, true, \{\}} s701,$
 $s686 \xrightarrow{?GET, (var_name = "CS_EVENT"), \{\}} s687,$
 $s687 \xrightarrow{!210, (cr_variable = "CS_EVENT") \wedge (cr_value = "EV_NONE"), \{\}} s688,$
 $s687 \xrightarrow{!210, (cr_variable = "CS_EVENT") \wedge (cr_value = "EV_ERROR"), \{\}} s691,$
 $s687 \xrightarrow{!210, (cr_variable = "CS_EVENT") \wedge (cr_value = "EV_WARN"), \{\}} s690,$
 $s687 \xrightarrow{!210, (cr_variable = "CS_EVENT") \wedge (cr_value = "EV_INFO"), \{\}} s689,$

$s688 \xrightarrow{\tau, \text{true}, \{\}} s692, s689 \xrightarrow{\tau, \text{true}, \{\}} s692, s69 \xrightarrow{?IDLE, \text{true}, \{\}} s70,$
 $s690 \xrightarrow{\tau, \text{true}, \{\}} s692, s691 \xrightarrow{\tau, \text{true}, \{\}} s692, s692 \xrightarrow{\tau, \text{true}, \{\}} s707,$
 $s693 \xrightarrow{?GET, (\text{var_name} = "CS_EVENT"), \{\}} s694,$
 $s694 \xrightarrow{!210, (\text{cr_variable} = "CS_EVENT") \wedge (\text{cr_value} = "EV_NONE"), \{\}} s695,$
 $s694 \xrightarrow{!210, (\text{cr_variable} = "CS_EVENT") \wedge (\text{cr_value} = "EV_ERROR"), \{\}} s698,$
 $s694 \xrightarrow{!210, (\text{cr_variable} = "CS_EVENT") \wedge (\text{cr_value} = "EV_INFO"), \{\}} s696,$
 $s694 \xrightarrow{!210, (\text{cr_variable} = "CS_EVENT") \wedge (\text{cr_value} = "EV_WARN"), \{\}} s697,$
 $s695 \xrightarrow{\tau, \text{true}, \{\}} s699, s696 \xrightarrow{\tau, \text{true}, \{\}} s699, s697 \xrightarrow{\tau, \text{true}, \{\}} s699,$
 $s698 \xrightarrow{\tau, \text{true}, \{\}} s699, s699 \xrightarrow{\tau, \text{true}, \{\}} s707, s7 \xrightarrow{!250, \text{true}, \{\}} s8,$
 $s7 \xrightarrow{!503, \text{true}, \{\}} s10, s7 \xrightarrow{!502, \text{true}, \{\}} s9, s70 \xrightarrow{!502, \text{true}, \{\}} s72,$
 $s70 \xrightarrow{!233, \text{true}, \{\}} s71, s70 \xrightarrow{!503, \text{true}, \{\}} s73, s700 \xrightarrow{\tau, \text{true}, \{\}} s706,$
 $s701 \xrightarrow{?GET, (\text{var_name} = "CS_EVENT"), \{\}} s702,$
 $s702 \xrightarrow{!210, (\text{cr_variable} = "CS_EVENT") \wedge (\text{cr_value} = "EV_INFO"), \{\}} s703,$
 $s702 \xrightarrow{!210, (\text{cr_variable} = "CS_EVENT") \wedge (\text{cr_value} = "EV_NONE"), \{\}} s704,$
 $s703 \xrightarrow{\tau, \text{true}, \{\}} s705, s704 \xrightarrow{\tau, \text{true}, \{\}} s705, s705 \xrightarrow{\tau, \text{true}, \{\}} s706,$
 $s706 \xrightarrow{\tau, \text{true}, \{\}} s707, s707 \xrightarrow{\tau, \text{true}, \{\}} s759, s708 \xrightarrow{\tau, \text{true}, \{\}} s759,$
 $s709 \xrightarrow{\tau, \text{true}, \{\}} s759, s71 \xrightarrow{\tau, \text{true}, \{\}} s79, s710 \xrightarrow{!503, \text{true}, \{\}} s717,$
 $s710 \xrightarrow{!511, \text{true}, \{\}} s715, s710 \xrightarrow{\tau, \text{true}, \{\}} s712, s710 \xrightarrow{!502, \text{true}, \{\}} s716,$
 $s710 \xrightarrow{!212, \text{true}, \{\}} s711, s711 \xrightarrow{\tau, \text{true}, \{\}} s710, s712 \xrightarrow{\tau, \text{true}, \{\}} s713,$
 $s713 \xrightarrow{!232, \text{true}, \{\}} s714, s714 \xrightarrow{\tau, \text{true}, \{\}} s723, s715 \xrightarrow{\tau, \text{true}, \{\}} s723,$
 $s716 \xrightarrow{\tau, \text{true}, \{\}} s722,$
 $s717 \xrightarrow{?GET, (\text{var_name} = "CS_EVENT"), \{\}} s718,$
 $s718 \xrightarrow{!210, (\text{cr_variable} = "CS_EVENT") \wedge (\text{cr_value} = "EV_NONE"), \{\}} s720,$
 $s718 \xrightarrow{!210, (\text{cr_variable} = "CS_EVENT") \wedge (\text{cr_value} = "EV_INFO"), \{\}} s719,$
 $s719 \xrightarrow{\tau, \text{true}, \{\}} s721, s72 \xrightarrow{\tau, \text{true}, \{\}} s78, s720 \xrightarrow{\tau, \text{true}, \{\}} s721,$
 $s721 \xrightarrow{\tau, \text{true}, \{\}} s722, s722 \xrightarrow{\tau, \text{true}, \{\}} s723, s723 \xrightarrow{\tau, \text{true}, \{\}} s759,$
 $s724 \xrightarrow{!502, \text{true}, \{\}} s726, s724 \xrightarrow{!503, \text{true}, \{\}} s727,$
 $s724 \xrightarrow{!210, (\text{cr_variable} = "CS_ACCNT") \wedge (\text{cr_value} = "AS_CLOSED"), \{\}} s725,$
 $s725 \xrightarrow{\tau, \text{true}, \{\}} s733, s726 \xrightarrow{\tau, \text{true}, \{\}} s732,$
 $s727 \xrightarrow{?GET, (\text{var_name} = "CS_EVENT"), \{\}} s728,$
 $s728 \xrightarrow{!210, (\text{cr_variable} = "CS_EVENT") \wedge (\text{cr_value} = "EV_NONE"), \{\}} s730,$
 $s728 \xrightarrow{!210, (\text{cr_variable} = "CS_EVENT") \wedge (\text{cr_value} = "EV_INFO"), \{\}} s729,$
 $s729 \xrightarrow{\tau, \text{true}, \{\}} s731,$
 $s73 \xrightarrow{?GET, (\text{var_name} = "CS_EVENT"), \{\}} s74,$
 $s730 \xrightarrow{\tau, \text{true}, \{\}} s731, s731 \xrightarrow{\tau, \text{true}, \{\}} s732, s732 \xrightarrow{\tau, \text{true}, \{\}} s733,$
 $s733 \xrightarrow{\tau, \text{true}, \{\}} s759, s734 \xrightarrow{!502, \text{true}, \{\}} s737, s734 \xrightarrow{!503, \text{true}, \{\}} s738,$
 $s734 \xrightarrow{!560, \text{true}, \{\}} s736, s734 \xrightarrow{!260, \text{true}, \{\}} s735, s735 \xrightarrow{\tau, \text{true}, \{\}} s744,$
 $s736 \xrightarrow{\tau, \text{true}, \{\}} s744, s737 \xrightarrow{\tau, \text{true}, \{\}} s743,$

$s738 \xrightarrow{?GET, (var_name="CS_EVENT"), \{\}} s739,$
 $s739 \xrightarrow{!210, (cr_variable="CS_EVENT") \wedge (cr_value="EV_INFO"), \{\}} s740,$
 $s739 \xrightarrow{!210, (cr_variable="CS_EVENT") \wedge (cr_value="EV_NONE"), \{\}} s741,$
 $s74 \xrightarrow{!210, (cr_variable="CS_EVENT") \wedge (cr_value="EV_NONE"), \{\}} s76,$
 $s74 \xrightarrow{!210, (cr_variable="CS_EVENT") \wedge (cr_value="EV_INFO"), \{\}} s75,$
 $s740 \xrightarrow{\tau, true, \{\}} s742, s741 \xrightarrow{\tau, true, \{\}} s742, s742 \xrightarrow{\tau, true, \{\}} s743,$
 $s743 \xrightarrow{\tau, true, \{\}} s744, s744 \xrightarrow{\tau, true, \{\}} s759, s745 \xrightarrow{!503, true, \{\}} s749,$
 $s745 \xrightarrow{!501, true, \{\}} s747, s745 \xrightarrow{!502, true, \{\}} s748, s745 \xrightarrow{!500, true, \{\}} s746,$
 $s746 \xrightarrow{\tau, true, \{\}} s755, s747 \xrightarrow{\tau, true, \{\}} s755, s748 \xrightarrow{\tau, true, \{\}} s754,$
 $s749 \xrightarrow{?GET, (var_name="CS_EVENT"), \{\}} s750,$
 $s75 \xrightarrow{\tau, true, \{\}} s77,$
 $s750 \xrightarrow{!210, (cr_variable="CS_EVENT") \wedge (cr_value="EV_INFO"), \{\}} s751,$
 $s750 \xrightarrow{!210, (cr_variable="CS_EVENT") \wedge (cr_value="EV_NONE"), \{\}} s752,$
 $s751 \xrightarrow{\tau, true, \{\}} s753, s752 \xrightarrow{\tau, true, \{\}} s753, s753 \xrightarrow{\tau, true, \{\}} s754,$
 $s754 \xrightarrow{\tau, true, \{\}} s755, s755 \xrightarrow{\tau, true, \{\}} s759, s756 \xrightarrow{\tau, true, \{\}} s759,$
 $s757 \xrightarrow{\tau, true, \{\}} s759, s758 \xrightarrow{\tau, true, \{\}} s759, s759 \xrightarrow{\tau, true, \{\}} assclosed,$
 $s76 \xrightarrow{\tau, true, \{\}} s77, s760 \xrightarrow{!503, true, \{\}} s763, s760 \xrightarrow{!502, true, \{\}} s762,$
 $s760 \xrightarrow{!210, (cr_variable="CS_SIGN") \wedge (cr_value="SS_ON"), \{\}} s761,$
 $s761 \xrightarrow{\tau, true, \{\}} s769, s762 \xrightarrow{\tau, true, \{\}} s768,$
 $s763 \xrightarrow{?GET, (var_name="CS_EVENT"), \{\}} s764,$
 $s764 \xrightarrow{!210, (cr_variable="CS_EVENT") \wedge (cr_value="EV_INFO"), \{\}} s765,$
 $s764 \xrightarrow{!210, (cr_variable="CS_EVENT") \wedge (cr_value="EV_NONE"), \{\}} s766,$
 $s765 \xrightarrow{\tau, true, \{\}} s767, s766 \xrightarrow{\tau, true, \{\}} s767, s767 \xrightarrow{\tau, true, \{\}} s768,$
 $s768 \xrightarrow{\tau, true, \{\}} s769, s769 \xrightarrow{\tau, true, \{\}} s900, s77 \xrightarrow{\tau, true, \{\}} s78,$
 $s770 \xrightarrow{\tau, true, \{\}} s900, s771 \xrightarrow{!211, true, \{\}} s772, s771 \xrightarrow{!502, true, \{\}} s773,$
 $s771 \xrightarrow{!503, true, \{\}} s774, s772 \xrightarrow{\tau, true, \{\}} s780, s773 \xrightarrow{\tau, true, \{\}} s779,$
 $s774 \xrightarrow{?GET, (var_name="CS_EVENT"), \{\}} s775,$
 $s775 \xrightarrow{!210, (cr_variable="CS_EVENT") \wedge (cr_value="EV_INFO"), \{\}} s776,$
 $s775 \xrightarrow{!210, (cr_variable="CS_EVENT") \wedge (cr_value="EV_NONE"), \{\}} s777,$
 $s776 \xrightarrow{\tau, true, \{\}} s778, s777 \xrightarrow{\tau, true, \{\}} s778, s778 \xrightarrow{\tau, true, \{\}} s779,$
 $s779 \xrightarrow{\tau, true, \{\}} s780, s78 \xrightarrow{\tau, true, \{\}} s79, s780 \xrightarrow{\tau, true, \{\}} s799,$
 $s781 \xrightarrow{!211, true, \{\}} s782, s781 \xrightarrow{!502, true, \{\}} s783, s781 \xrightarrow{!503, true, \{\}} s784,$
 $s782 \xrightarrow{\tau, true, \{\}} s790, s783 \xrightarrow{\tau, true, \{\}} s789,$
 $s784 \xrightarrow{?GET, (var_name="CS_EVENT"), \{\}} s785,$
 $s785 \xrightarrow{!210, (cr_variable="CS_EVENT") \wedge (cr_value="EV_NONE"), \{\}} s787,$
 $s785 \xrightarrow{!210, (cr_variable="CS_EVENT") \wedge (cr_value="EV_INFO"), \{\}} s786,$
 $s786 \xrightarrow{\tau, true, \{\}} s788, s787 \xrightarrow{\tau, true, \{\}} s788, s788 \xrightarrow{\tau, true, \{\}} s789,$
 $s789 \xrightarrow{\tau, true, \{\}} s790, s79 \xrightarrow{?SIGNOFF, true, \{\}} s80, s790 \xrightarrow{\tau, true, \{\}} s797,$

$s790 \xrightarrow{?GET, \{var_name="CERTDATA"\}, \{\}} s791,$
 $s791 \xrightarrow{!502, true, \{\}} s795, s791 \xrightarrow{!512, true, \{\}} s793, s791 \xrightarrow{!214, true, \{\}} s792,$
 $s791 \xrightarrow{!531, true, \{\}} s794, s792 \xrightarrow{\tau, true, \{\}} s796, s793 \xrightarrow{\tau, true, \{\}} s796,$
 $s794 \xrightarrow{\tau, true, \{\}} s796, s795 \xrightarrow{\tau, true, \{\}} s796, s796 \xrightarrow{\tau, true, \{\}} s790,$
 $s797 \xrightarrow{\tau, true, \{\}} s798, s798 \xrightarrow{\tau, true, \{\}} s799, s799 \xrightarrow{\tau, true, \{\}} s900,$
 $s8 \xrightarrow{\tau, true, \{\}} s16, s80 \xrightarrow{!502, true, \{\}} s82, s80 \xrightarrow{!503, true, \{\}} s83,$
 $s80 \xrightarrow{!250, true, \{\}} s81,$
 $s800 \xrightarrow{!210, (cr_variable="CS_EVENT") \wedge (cr_value="EV_NONE"), \{\}} s801,$
 $s800 \xrightarrow{!210, (cr_variable="CS_EVENT") \wedge (cr_value="EV_INFO"), \{\}} s802,$
 $s800 \xrightarrow{!210, (cr_variable="CS_EVENT") \wedge (cr_value="EV_ERROR"), \{\}} s804,$
 $s800 \xrightarrow{!210, (cr_variable="CS_EVENT") \wedge (cr_value="EV_WARN"), \{\}} s803,$
 $s801 \xrightarrow{\tau, true, \{\}} s805, s802 \xrightarrow{\tau, true, \{\}} s805, s803 \xrightarrow{\tau, true, \{\}} s805,$
 $s804 \xrightarrow{\tau, true, \{\}} s805, s805 \xrightarrow{\tau, true, \{\}} s900, s806 \xrightarrow{\tau, true, \{\}} s900,$
 $s807 \xrightarrow{!502, true, \{\}} s810, s807 \xrightarrow{!503, true, \{\}} s811, s807 \xrightarrow{!501, true, \{\}} s809,$
 $s807 \xrightarrow{!500, true, \{\}} s808, s808 \xrightarrow{\tau, true, \{\}} s817, s809 \xrightarrow{\tau, true, \{\}} s817,$
 $s81 \xrightarrow{\tau, true, \{\}} s89, s810 \xrightarrow{\tau, true, \{\}} s816,$
 $s811 \xrightarrow{?GET, \{var_name="CS_EVENT"\}, \{\}} s812,$
 $s812 \xrightarrow{!210, (cr_variable="CS_EVENT") \wedge (cr_value="EV_INFO"), \{\}} s813,$
 $s812 \xrightarrow{!210, (cr_variable="CS_EVENT") \wedge (cr_value="EV_NONE"), \{\}} s814,$
 $s813 \xrightarrow{\tau, true, \{\}} s815, s814 \xrightarrow{\tau, true, \{\}} s815, s815 \xrightarrow{\tau, true, \{\}} s816,$
 $s816 \xrightarrow{\tau, true, \{\}} s817, s817 \xrightarrow{\tau, true, \{\}} s900, s818 \xrightarrow{!503, true, \{\}} s822,$
 $s818 \xrightarrow{!503, true, \{\}} s820, s818 \xrightarrow{!502, true, \{\}} s821, s818 \xrightarrow{!201, true, \{\}} s819,$
 $s819 \xrightarrow{\tau, true, \{\}} s828, s82 \xrightarrow{\tau, true, \{\}} s88, s820 \xrightarrow{\tau, true, \{\}} s828,$
 $s821 \xrightarrow{\tau, true, \{\}} s827,$
 $s822 \xrightarrow{?GET, \{var_name="CS_EVENT"\}, \{\}} s823,$
 $s823 \xrightarrow{!210, (cr_variable="CS_EVENT") \wedge (cr_value="EV_INFO"), \{\}} s824,$
 $s823 \xrightarrow{!210, (cr_variable="CS_EVENT") \wedge (cr_value="EV_NONE"), \{\}} s825,$
 $s824 \xrightarrow{\tau, true, \{\}} s826, s825 \xrightarrow{\tau, true, \{\}} s826, s826 \xrightarrow{\tau, true, \{\}} s827,$
 $s827 \xrightarrow{\tau, true, \{\}} s828, s828 \xrightarrow{\tau, true, \{\}} s900, s829 \xrightarrow{!202, true, \{\}} s830,$
 $s829 \xrightarrow{!502, true, \{\}} s833, s829 \xrightarrow{!531, true, \{\}} s831, s829 \xrightarrow{!503, true, \{\}} s834,$
 $s829 \xrightarrow{!501, true, \{\}} s832,$
 $s83 \xrightarrow{?GET, \{var_name="CS_EVENT"\}, \{\}} s84,$
 $s830 \xrightarrow{\tau, true, \{\}} s840, s831 \xrightarrow{\tau, true, \{\}} s840, s832 \xrightarrow{\tau, true, \{\}} s840,$
 $s833 \xrightarrow{\tau, true, \{\}} s839,$
 $s834 \xrightarrow{?GET, \{var_name="CS_EVENT"\}, \{\}} s835,$
 $s835 \xrightarrow{!210, (cr_variable="CS_EVENT") \wedge (cr_value="EV_INFO"), \{\}} s836,$
 $s835 \xrightarrow{!210, (cr_variable="CS_EVENT") \wedge (cr_value="EV_NONE"), \{\}} s837,$
 $s836 \xrightarrow{\tau, true, \{\}} s838, s837 \xrightarrow{\tau, true, \{\}} s838, s838 \xrightarrow{\tau, true, \{\}} s839,$

$s839 \xrightarrow{\tau, \text{true}, \{\}} s840,$
 $s84 \xrightarrow{!210, (cr_variable = "CS_EVENT") \wedge (cr_value = "EV_INFO"), \{\}} s85,$
 $s84 \xrightarrow{!210, (cr_variable = "CS_EVENT") \wedge (cr_value = "EV_NONE"), \{\}} s86,$
 $s840 \xrightarrow{\tau, \text{true}, \{\}} s900, s841 \xrightarrow{\tau, \text{true}, \{\}} s900, s842 \xrightarrow{!503, \text{true}, \{\}} s845,$
 $s842 \xrightarrow{!502, \text{true}, \{\}} s844, s842 \xrightarrow{!233, \text{true}, \{\}} s843, s843 \xrightarrow{\tau, \text{true}, \{\}} \text{assidle},$
 $s844 \xrightarrow{\tau, \text{true}, \{\}} s850,$
 $s845 \xrightarrow{?GET, (var_name = "CS_EVENT"), \{\}} s846,$
 $s846 \xrightarrow{!210, (cr_variable = "CS_EVENT") \wedge (cr_value = "EV_INFO"), \{\}} s847,$
 $s846 \xrightarrow{!210, (cr_variable = "CS_EVENT") \wedge (cr_value = "EV_NONE"), \{\}} s848,$
 $s847 \xrightarrow{\tau, \text{true}, \{\}} s849, s848 \xrightarrow{\tau, \text{true}, \{\}} s849, s849 \xrightarrow{\tau, \text{true}, \{\}} s850,$
 $s85 \xrightarrow{\tau, \text{true}, \{\}} s87, s850 \xrightarrow{\tau, \text{true}, \{\}} s851, s851 \xrightarrow{\tau, \text{true}, \{\}} s900,$
 $s852 \xrightarrow{!502, \text{true}, \{\}} s857, s852 \xrightarrow{!503, \text{true}, \{\}} s858, s852 \xrightarrow{!261, \text{true}, \{\}} s853,$
 $s853 \xrightarrow{!900, \text{true}, \{\}} s855, s853 \xrightarrow{!261, \text{true}, \{\}} s854, s854 \xrightarrow{\tau, \text{true}, \{\}} s853,$
 $s855 \xrightarrow{\tau, \text{true}, \{\}} s856, s856 \xrightarrow{\tau, \text{true}, \{\}} s864, s857 \xrightarrow{\tau, \text{true}, \{\}} s863,$
 $s858 \xrightarrow{?GET, (var_name = "CS_EVENT"), \{\}} s859,$
 $s859 \xrightarrow{!210, (cr_variable = "CS_EVENT") \wedge (cr_value = "EV_INFO"), \{\}} s860,$
 $s859 \xrightarrow{!210, (cr_variable = "CS_EVENT") \wedge (cr_value = "EV_NONE"), \{\}} s861,$
 $s86 \xrightarrow{\tau, \text{true}, \{\}} s87, s860 \xrightarrow{\tau, \text{true}, \{\}} s862, s861 \xrightarrow{\tau, \text{true}, \{\}} s862,$
 $s862 \xrightarrow{\tau, \text{true}, \{\}} s863, s863 \xrightarrow{\tau, \text{true}, \{\}} s864, s864 \xrightarrow{\tau, \text{true}, \{\}} s900,$
 $s865 \xrightarrow{!503, \text{true}, \{\}} s868,$
 $s865 \xrightarrow{!210, (cr_variable = "CS_ACCNT") \wedge (cr_value = "AS_ENDING"), \{\}} s866,$
 $s865 \xrightarrow{!502, \text{true}, \{\}} s867, s866 \xrightarrow{\tau, \text{true}, \{\}} s874, s867 \xrightarrow{\tau, \text{true}, \{\}} s873,$
 $s868 \xrightarrow{?GET, (var_name = "CS_EVENT"), \{\}} s869,$
 $s869 \xrightarrow{!210, (cr_variable = "CS_EVENT") \wedge (cr_value = "EV_NONE"), \{\}} s871,$
 $s869 \xrightarrow{!210, (cr_variable = "CS_EVENT") \wedge (cr_value = "EV_INFO"), \{\}} s870,$
 $s87 \xrightarrow{\tau, \text{true}, \{\}} s88, s870 \xrightarrow{\tau, \text{true}, \{\}} s872, s871 \xrightarrow{\tau, \text{true}, \{\}} s872,$
 $s872 \xrightarrow{\tau, \text{true}, \{\}} s873, s873 \xrightarrow{\tau, \text{true}, \{\}} s874, s874 \xrightarrow{\tau, \text{true}, \{\}} s900,$
 $s875 \xrightarrow{!503, \text{true}, \{\}} s879, s875 \xrightarrow{!560, \text{true}, \{\}} s877, s875 \xrightarrow{!260, \text{true}, \{\}} s876,$
 $s875 \xrightarrow{!502, \text{true}, \{\}} s878, s876 \xrightarrow{\tau, \text{true}, \{\}} s885, s877 \xrightarrow{\tau, \text{true}, \{\}} s885,$
 $s878 \xrightarrow{\tau, \text{true}, \{\}} s884,$
 $s879 \xrightarrow{?GET, (var_name = "CS_EVENT"), \{\}} s880,$
 $s88 \xrightarrow{\tau, \text{true}, \{\}} s89,$
 $s880 \xrightarrow{!210, (cr_variable = "CS_EVENT") \wedge (cr_value = "EV_INFO"), \{\}} s881,$
 $s880 \xrightarrow{!210, (cr_variable = "CS_EVENT") \wedge (cr_value = "EV_NONE"), \{\}} s882,$
 $s881 \xrightarrow{\tau, \text{true}, \{\}} s883, s882 \xrightarrow{\tau, \text{true}, \{\}} s883, s883 \xrightarrow{\tau, \text{true}, \{\}} s884,$
 $s884 \xrightarrow{\tau, \text{true}, \{\}} s885, s885 \xrightarrow{\tau, \text{true}, \{\}} s900, s886 \xrightarrow{!501, \text{true}, \{\}} s888,$
 $s886 \xrightarrow{!502, \text{true}, \{\}} s889, s886 \xrightarrow{!500, \text{true}, \{\}} s887, s886 \xrightarrow{!503, \text{true}, \{\}} s890,$
 $s887 \xrightarrow{\tau, \text{true}, \{\}} s896, s888 \xrightarrow{\tau, \text{true}, \{\}} s896, s889 \xrightarrow{\tau, \text{true}, \{\}} s895,$

$s89 \xrightarrow{\tau, true, \{ \}} ssoff,$
 $s890 \xrightarrow{?GET, (var_name = "CS_EVENT"), \{ \}} s891,$
 $s891 \xrightarrow{!210, (cr_variable = "CS_EVENT") \wedge (cr_value = "EV_INFO"), \{ \}} s892,$
 $s891 \xrightarrow{!210, (cr_variable = "CS_EVENT") \wedge (cr_value = "EV_NONE"), \{ \}} s893,$
 $s892 \xrightarrow{\tau, true, \{ \}} s894, s893 \xrightarrow{\tau, true, \{ \}} s894, s894 \xrightarrow{\tau, true, \{ \}} s895,$
 $s895 \xrightarrow{\tau, true, \{ \}} s896, s896 \xrightarrow{\tau, true, \{ \}} s900, s897 \xrightarrow{\tau, true, \{ \}} s900,$
 $s898 \xrightarrow{\tau, true, \{ \}} s900, s899 \xrightarrow{\tau, true, \{ \}} s900, s9 \xrightarrow{\tau, true, \{ \}} s15,$
 $s90 \xrightarrow{?IDLE, true, \{ \}} s91, s900 \xrightarrow{\tau, true, \{ \}} assending, s91 \xrightarrow{!503, true, \{ \}} s94,$
 $s91 \xrightarrow{!502, true, \{ \}} s93, s91 \xrightarrow{!233, true, \{ \}} s92, s92 \xrightarrow{\tau, true, \{ \}} s100,$
 $s93 \xrightarrow{\tau, true, \{ \}} s99,$
 $s94 \xrightarrow{?GET, (var_name = "CS_EVENT"), \{ \}} s95,$
 $s95 \xrightarrow{!210, (cr_variable = "CS_EVENT") \wedge (cr_value = "EV_INFO"), \{ \}} s96,$
 $s95 \xrightarrow{!210, (cr_variable = "CS_EVENT") \wedge (cr_value = "EV_NONE"), \{ \}} s97,$
 $s96 \xrightarrow{\tau, true, \{ \}} s98, s97 \xrightarrow{\tau, true, \{ \}} s98, s98 \xrightarrow{\tau, true, \{ \}} s99,$
 $s99 \xrightarrow{\tau, true, \{ \}} s100, assclosed \xrightarrow{?RHCOPY_EXIST, true, \{ \}} s745, assclosed \xrightarrow{\tau, true, \{ \}} s661,$
 $assclosed \xrightarrow{?TRANS, (trans_id = "TM_BANK"), \{ \}} s615,$
 $assclosed \xrightarrow{?PRINT_EXIST, true, \{ \}} s734, assclosed \xrightarrow{?RESETCR, true, \{ \}} s602,$
 $assclosed \xrightarrow{?TRANS, (trans_id = "TM_STORE"), \{ \}} s662,$
 $assclosed \xrightarrow{?GET, (var_name = "CS_EVENT"), \{ \}} s573,$
 $assclosed \xrightarrow{?ARTID_EXIST, true, \{ \}} s544, assclosed \xrightarrow{!510, true, \{ \}} s543, assclosed \xrightarrow{\tau, true, \{ \}} s579,$
 $assclosed \xrightarrow{?ARTID_WEIGHTED, true, \{ \}} s554,$
 $assclosed \xrightarrow{?STAMPREG, (amount = 0), \{ \}} s710,$
 $assclosed \xrightarrow{\tau, true, \{ \}} s708, assclosed \xrightarrow{?RESUME, true, \{ \}} s591, assclosed \xrightarrow{\tau, true, \{ \}} s709,$
 $assclosed \xrightarrow{?TRANS, (trans_id = "TM_FLUSH"), \{ \}} s685,$
 $assclosed \xrightarrow{\tau, true, \{ \}} s614, assclosed \xrightarrow{?RHCOPY, true, \{ \}} s580, assclosed \xrightarrow{\tau, true, \{ \}} s757,$
 $assclosed \xrightarrow{\tau, true, \{ \}} s758, assclosed \xrightarrow{\tau, true, \{ \}} s756,$
 $assclosed \xrightarrow{?GET, (var_name = "CS_ACCNT"), \{ \}} s724,$
 $assclosed \xrightarrow{?TRANS, (trans_id = "TM_BANK2"), \{ \}} s638,$
 $assclosed \xrightarrow{?GET, (var_name = "CS_SIGN"), \{ \}} s533,$
 $assending \xrightarrow{?RESETCR, true, \{ \}} s829, assending \xrightarrow{?PRINT_EXIST, true, \{ \}} s875,$
 $assending \xrightarrow{?GET, (var_name = "CS_ACCNT"), \{ \}} s865,$
 $assending \xrightarrow{?RECEIPT, true, \{ \}} s852, assending \xrightarrow{?IDLE, true, \{ \}} s842,$
 $assending \xrightarrow{?ARTID_EXIST, true, \{ \}} s771,$
 $assending \xrightarrow{!510, true, \{ \}} s770, assending \xrightarrow{?RHCOPY, true, \{ \}} s807,$
 $assending \xrightarrow{?ARTID_WEIGHTED, true, \{ \}} s781,$
 $assending \xrightarrow{\tau, true, \{ \}} s898, assending \xrightarrow{\tau, true, \{ \}} s841,$
 $assending \xrightarrow{?GET, (var_name = "CS_EVENT"), \{ \}} s800,$
 $assending \xrightarrow{\tau, true, \{ \}} s899, assending \xrightarrow{\tau, true, \{ \}} s897, assending \xrightarrow{?RHCOPY_EXIST, true, \{ \}} s886,$
 $assending \xrightarrow{?RESUME, true, \{ \}} s818, assending \xrightarrow{\tau, true, \{ \}} s806,$
 $assending \xrightarrow{?GET, (var_name = "CS_SIGN"), \{ \}} s760,$

$$\begin{aligned}
& \text{assidle} \xrightarrow{?RESUME, true, \{\}} s252, \text{assidle} \xrightarrow{\tau, true, \{\}} s240, \\
& \text{assidle} \xrightarrow{?GET, (var_name="CS_SIGN"), \{\}} s194, \\
& \text{assidle} \xrightarrow{\tau, true, \{\}} s355, \text{assidle} \xrightarrow{\tau, true, \{\}} s353, \\
& \text{assidle} \xrightarrow{\tau, stored_account=true, \{\}} s317, \\
& \text{assidle} \xrightarrow{\tau, stored_account=true, \{\}} s286, \\
& \text{assidle} \xrightarrow{\tau, true, \{\}} s356, \text{assidle} \xrightarrow{\tau, true, \{\}} s354, \text{assidle} \xrightarrow{?SIGNOFF, true, \{\}} s297, \\
& \text{assidle} \xrightarrow{?RESETCR, true, \{\}} s263, \\
& \text{assidle} \xrightarrow{?GET, (var_name="CS_EVENT"), \{\}} s234, \\
& \text{assidle} \xrightarrow{?ARTID_EXIST, true, \{\}} s205, \text{assidle} \xrightarrow{!510, true, \{\}} s204, \text{assidle} \xrightarrow{?OPEN, true, \{\}} s276, \\
& \text{assidle} \xrightarrow{?ARTID_WEIGHTED, true, \{\}} s215, \\
& \text{assidle} \xrightarrow{\tau, stored_account=true, \{\}} s341, \\
& \text{assidle} \xrightarrow{?PRINT_NEXIST, true, \{\}} s329, \\
& \text{assidle} \xrightarrow{?GET, (var_name="CS_ACCNT"), \{\}} s307, \\
& \text{assidle} \xrightarrow{?RHCOPY, true, \{\}} s241, \text{assidle} \xrightarrow{\tau, true, \{\}} s275, \text{assopen} \xrightarrow{?ARTID_WEIGHTED, true, \{\}} s379, \\
& \text{assopen} \xrightarrow{?GET, (var_name="CS_ACCNT"), \{\}} s497, \\
& \text{assopen} \xrightarrow{?RHCOPY, true, \{\}} s405, \text{assopen} \xrightarrow{\tau, true, \{\}} s439, \text{assopen} \xrightarrow{?CLOSE, true, \{\}} s474, \\
& \text{assopen} \xrightarrow{?GET, (var_name="CS_EVENT"), \{\}} s398, \\
& \text{assopen} \xrightarrow{\tau, true, \{\}} s530, \text{assopen} \xrightarrow{\tau, true, \{\}} s529, \text{assopen} \xrightarrow{?ARTRET_EXIST, true, \{\}} s487, \\
& \text{assopen} \xrightarrow{?RESUME, true, \{\}} s416, \text{assopen} \xrightarrow{\tau, true, \{\}} s404, \text{assopen} \xrightarrow{\tau, true, \{\}} s531, \\
& \text{assopen} \xrightarrow{?RHCOPY_EXIST, true, \{\}} s518, \\
& \text{assopen} \xrightarrow{?GET, (var_name="CS_SIGN"), \{\}} s358, \\
& \text{assopen} \xrightarrow{?ENDTOT, true, \{\}} s463, \text{assopen} \xrightarrow{?RESETCR, true, \{\}} s427, \\
& \text{assopen} \xrightarrow{?ARTREG_EXIST, true, \{\}} s440, \\
& \text{assopen} \xrightarrow{?ARTREG, true, \{\}} s453, \text{assopen} \xrightarrow{?PRINT_EXIST, true, \{\}} s507, \\
& \text{assopen} \xrightarrow{?ARTID_EXIST, true, \{\}} s369, \\
& \text{assopen} \xrightarrow{!510, true, \{\}} s368, \text{sssoff} \xrightarrow{\tau, true, \{\}} s191, \text{sssoff} \xrightarrow{\tau, true, \{\}} s192, \\
& \text{sssoff} \xrightarrow{\tau, true, \{\}} s166, \text{sssoff} \xrightarrow{?SIGNON_EXIST, true, \{\}} s127, \text{sssoff} \xrightarrow{?RESUME, true, \{\}} s167, \\
& \text{sssoff} \xrightarrow{?RESETCR, true, \{\}} s178, \\
& \text{sssoff} \xrightarrow{?GET, (var_name="CS_EVENT"), \{\}} s160, \\
& \text{sssoff} \xrightarrow{\tau, true, \{\}} s190, \\
& \text{sssoff} \xrightarrow{?GET, (var_name="CS_SIGN"), \{\}} s149, \\
& \}
\end{aligned}$$