```
?
fmiDoStep
fmiDoStep
fmiStatusfmiDoStep(
fmiComponentc,
fmiRealcurrentCommunicationPoint,
fmiRealcommunicationStepSize,
fmiBooleannoSetFMUStatePriorToCurrentPoint)
currentCommunicationPoint
                                                                currentCommunicationPoint
fmiGetFMU state
fmiSetFMU state
                                                             \begin{array}{l} \begin{tabular}{ll} F & & \\ Syll & \\ tax & \\ F & \equiv \\ (S,U,Y,D,s_0,set,get,doStep) \end{tabular}
                                                                SFUFuUVYFyYVDUY
y
get(s, y)
y
doStep:
S \times R_0 \rightarrow S \times R_0
h \in R_0 doStep(s, h)
(s', h')
h' = h
f
f
h'
                                                                FMU
Se-man-
tic-
                                                             F = (S, U, Y, D, s_0, set, get, doStep)
doStep
                                                         F \\ v_0 h_1 v_1 h_2 v_2 h_3 \dots \\ v_i \\ h_i \\ v_j \\ \vdots \\ V \\ F \\ (t, s, v, v') \\ t \in \\ R_0 \\ S_1 \\ \vdots \\ S_n \\ S_n \\ \vdots \\ S_n \\ \vdots
```