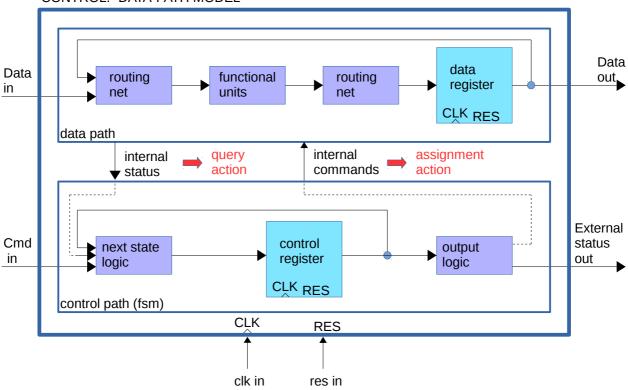
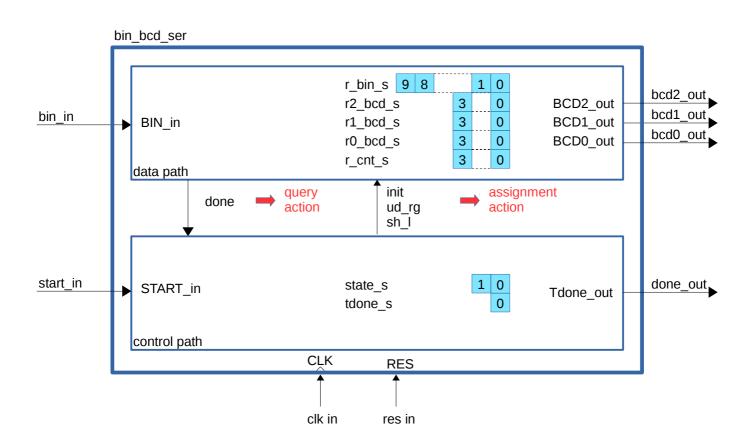
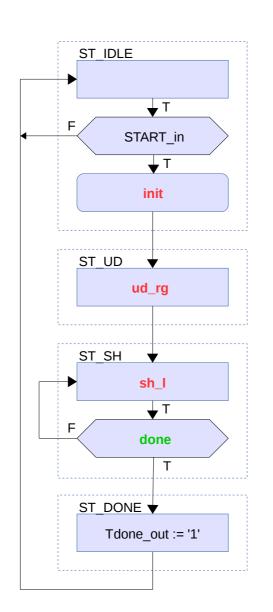
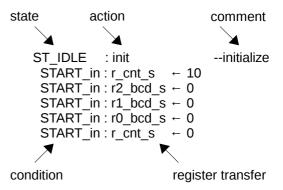
## CONTROL.- DATA-PATH MODEL









 $ST\_UD$  : ud\_rg --update register  $r2\_bcd\_s > 4$  :  $r2\_bcd\_s \leftarrow r2\_bcd\_s + 3$ 

 $\begin{array}{lll} \mathsf{ST\_SH}: \mathsf{sh\_I} & -\text{-shift left} \\ : \mathsf{r2\_bcd\_s} \leftarrow & \mathsf{r2\_bcd\_s(2:0)} \ \& & \mathsf{r1\_bcd\_s(3)} \end{array}$