





S, = 001, S, = 010, S, = 011 Sq = 100 To deal with the flush signal, we set the next state by the input. Je Ke Jo Ko Current State Input autPut Ja Ka Next C B C B O 0 0 0 0 0 X O 0 D 0 0 X 0 0 D \mathcal{D} 0 \circ O D 0 0 0 X X X X X อ 0 0 O 0 0 0 0 0 X 0 1 0 X 0 O

X

AB
$$C \times 00 \ 0 \ 11 \ 10$$
 $OO \ 0 \ 1 \ X \ X$
 $OI \ 1 \ O \ X \ X$
 $OI \ 1 \ X$











