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;; state S: the initial state. Goes to L or B
(transform (from (S)) (to (L)) (prob 0.131488))
(transform (from (S)) (to (B)) (prob 0.868742))

;; state F: emits a covarying base pair
(transform (from (F)) (to (LNUC F* RNUC))
 (annotate (row PFOLD) (column LNUC) (label <))
 (annotate (row PFOLD) (column RNUC) (label >)))
(transform (from (F*)) (to (F)) (prob 0.787854))
(transform (from (F*)) (to (B)) (prob 0.212421))

;; state L: goes to U (unpaired base) or F (basepair)
(transform (from (L)) (to (F)) (prob 0.105404))
(transform (from (L)) (to (U)) (prob 0.895025))

;; state B: generates a bifurcation in the parse tree
(transform (from (B)) (to (L S)))

;; state U: emits a single unpaired base, then terminates
(transform (from (U)) (to (NUC U*))
 (annotate (row PFOLD) (column NUC) (label _)))
(transform (from (U*)) (to ()) (prob 1))
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