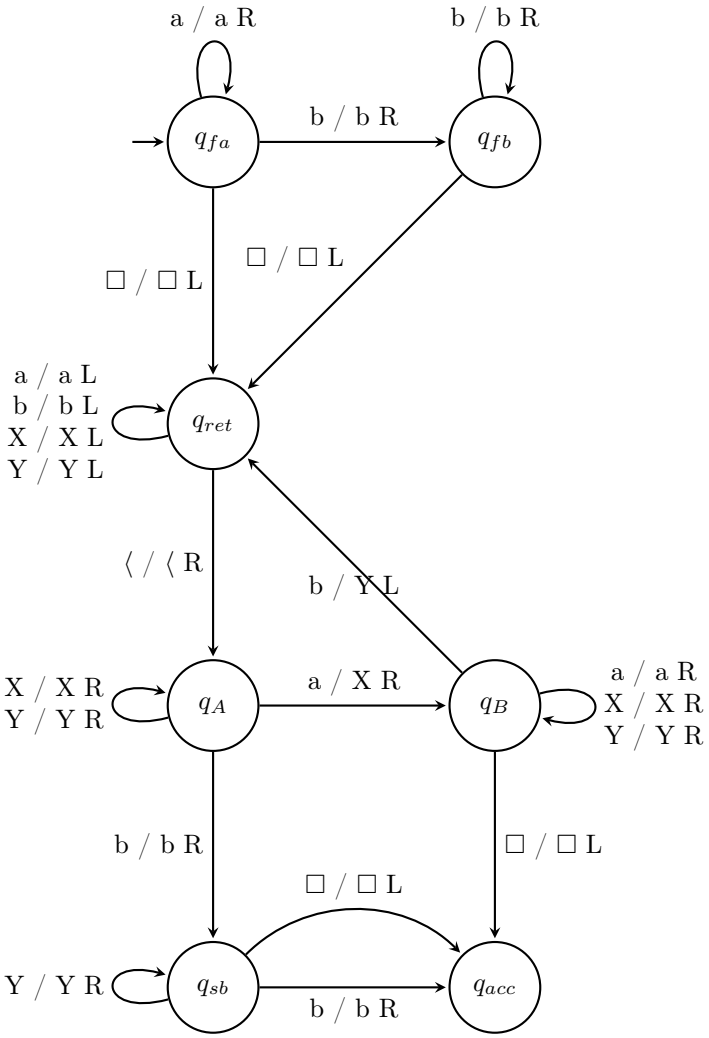
Decider TM for $L = \{a^m b^n \mid m \neq n\}$



$\Sigma = \{a, b\}$
$\Gamma = \{a, b, X, Y, \square, \langle\}$
Any transition not drawn for a pair (State, Symbol) implies halt and reject.