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Machine: 4-Tape Palindrome Checker
Tape Input(s): ['abba', '****', '****']
Step 1:
Tape 1:
        abba
Tape 2:
        ****
Tape 3:
        ***
Tape 4:
        ****
Selected Transition: ('q0', ('a', '*', '*')) -> q1, ('*', 'a', '*'), ('R', 'R', 'S', 'S')
Step 2:
Tape 1: a bba
Tape 2: a ***
Tape 3: ****
Tape 4:
        ****
Selected Transition: ('q1', ('b', '*', '*')) -> q1, ('*', 'b', '*', '*'), ('R', 'R', 'S', 'S')
Step 3:
Tape 1: ab ba
Tape 2: ab **
Tape 3:
        ****
Tape 4:
        ****
Selected Transition: ('q1', ('b', '*', '*')) -> q1, ('*', 'b', '*', '*'), ('R', 'R', 'S', 'S')
Step 4:
Tape 1: abb a
Tape 2: abb *
Tape 3:
        ***
Tape 4:
        ****
Selected Transition: ('q1', ('a', '*', '*')) -> q1, ('*', 'a', '*'), ('R', 'R', 'S', 'S')
Step 5:
Tape 1: abba _
Tape 2: abba _
Tape 3:
        ****
Tape 4:
        ***
Selected Transition: ('q1', ('*', '*', '*')) -> q2, ('*', '*', '*'), ('S', 'L', 'S', 'S')
Step 6:
Tape 1: abba _
Tape 2: abb a_
Tape 3:
        ****
Tape 4:
        ****
Selected Transition: ('q2', ('*', '*', '*')) -> qacc, ('*', '*', '*'), ('S', 'S', 'S')
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Machine Accepted