SECTION 0

IF READ 0, REPLACE WITH X, MOVE *right*, GO TO SECTION **2**
IF READ 1, REPLACE WITH 1, MOVE *right*, GO TO SECTION **0**
IF READ X, REPLACE WITH X, MOVE *right*, GO TO SECTION **0**
IF READ <<, REPLACE WITH <<, MOVE *left*, GO TO SECTION **1**

SECTION 1

IF READ 0, REPLACE WITH X, KEEP POSITION, GO TO SECTION **2**
IF READ 1, REPLACE WITH 1, MOVE *left*, GO TO SECTION **1**
IF READ X, REPLACE WITH X, MOVE *left*, GO TO SECTION **1**
IF READ >>, REPLACE WITH >>, MOVE *right*, GO TO SECTION **4**

SECTION 2

IF READ 0, REPLACE WITH 0, MOVE *right*, GO TO SECTION **2**
IF READ 1, REPLACE WITH X, KEEP POSITION, GO TO SECTION **0**
IF READ X, REPLACE WITH X, MOVE *right*, GO TO SECTION **2**
IF READ <<, REPLACE WITH <<, MOVE *left*, GO TO SECTION **3**

SECTION 3

IF READ 0, REPLACE WITH 0, MOVE *left*, GO TO SECTION **3**
IF READ 1, REPLACE WITH X, KEEP POSITION, GO TO SECTION **0**
IF READ X, REPLACE WITH X, MOVE *left*, GO TO SECTION **3**
IF READ >>, REPLACE WITH >>, KEEP POSITION, GO TO SECTION **6**

SECTION 4

IF READ 1, WRITE 1, KEEP POSITION, GO TO SECTION **6**
IF READ X, WRITE X, MOVE *right*, GO TO SECTION **4**
IF READ <<, WRITE <<, KEEP POSITION, GO TO SECTION **5**

SECTION 5
STOP AND ACCEPT

SECTION 6
STOP AND REJECT