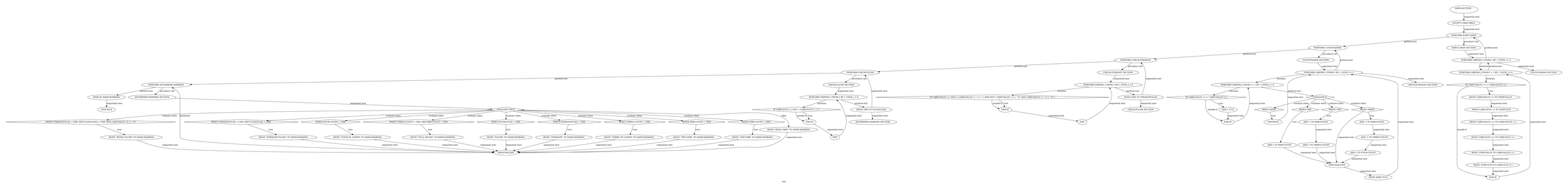
MAIN-SECTION
ACCEPT CARD-TABLE
PERFORM SORT-CARDS
SORT-CARDS SECTION
PERFORM VARYING I FROM 1 BY 1 UNTIL I = 5
PERFORM VARYING I FROM 1 BY 1 UNTIL I = 5
IF CARD-VALUE (I) < CARD-VALUE (I + 1)
MOVE CARD-VALUE (I) TO TEMP-VALUE
MOVE CARD-VALUE (I + 1) TO CARD-VALUE (I)
MOVE TEMP-VALUE TO CARD-VALUE (I + 1)
MOVE CARD-SUIT (I) TO TEMP-SUIT
MOVE CARD-SUIT (I + 1) TO CARD-SUIT (I)
MOVE TEMP-SUIT TO CARD-SUIT (I + 1)
END-IF
END-PERFORM
END-PERFORM
EXIT
COUNT-HANDS SECTION
PERFORM VARYING I FROM 1 BY 1 UNTIL I > 5
IF CARD-VALUE (I) = CARD-VALUE (I - 1)
ADD 1 TO PAIR-COUNT
ADD 1 TO THREE-COUNT
ADD 1 TO FOUR-COUNT
END-IF
END-PERFORM
CHECK-STRAIGHT SECTION
MOVE ZERO TO STRAIGHT-FLAG
PERFORM VARYING I FROM 1 BY 1 UNTIL I > 9
IF CARD-VALUE (I) = 0
CONTINUE
ELSE
IF CARD-VALUE (I + 1) = CARD-VALUE (I) + 1
ADD 1 TO I
END-IF
END-IF
END-PERFORM
IF STRAIGHT-FLAG = ONE AND CARD-VALUE (1) = 14
MOVE ONE TO STRAIGHT-FLAG
END-IF
CHECK-FLUSH SECTION
MOVE ZERO TO FLUSH-FLAG
IF CARD-SUIT (1) NOT = CARD-SUIT (2) OR
CARD-SUIT (1) NOT = CARD-SUIT (3) OR
CARD-SUIT (1) NOT = CARD-SUIT (4) OR
CARD-SUIT (1) NOT = CARD-SUIT (5)
MOVE ONE TO FLUSH-FLAG
END-IF
DETERMINE-RANKING SECTION
EVALUATE TRUE
WHEN STRAIGHT-FLAG = ONE AND FLUSH-FLAG = ONE
MOVE "ROYAL FLUSH" TO HAND-RANKING
WHEN STRAIGHT-FLAG = ONE AND FLUSH-FLAG = ONE
MOVE "STRAIGHT FLUSH" TO HAND-RANKING
WHEN FOUR-COUNT = ONE
MOVE "FOUR OF A KIND" TO HAND-RANKING
WHEN THREE-COUNT = ONE AND PAIR-COUNT = ONE
MOVE "FULL HOUSE" TO HAND-RANKING
WHEN FLUSH-FLAG = ONE
MOVE "FLUSH" TO HAND-RANKING
WHEN STRAIGHT-FLAG = ONE
MOVE "STRAIGHT" TO HAND-RANKING
WHEN THREE-COUNT = ONE
MOVE "THREE OF A KIND" TO HAND-RANKING
WHEN PAIR-COUNT = TWO
MOVE "TWO PAIR" TO HAND-RANKING
WHEN PAIR-COUNT = ONE
MOVE "ONE PAIR" TO HAND-RANKING
WHEN OTHER
MOVE "HIGH CARD" TO HAND-RANKING
END-EVALUATE
END-IF
DISPLAY HAND-RANKING
STOP RUN
PERFORM DETERMINE-RANKING
DETERMINE-RANKING SECTION
test