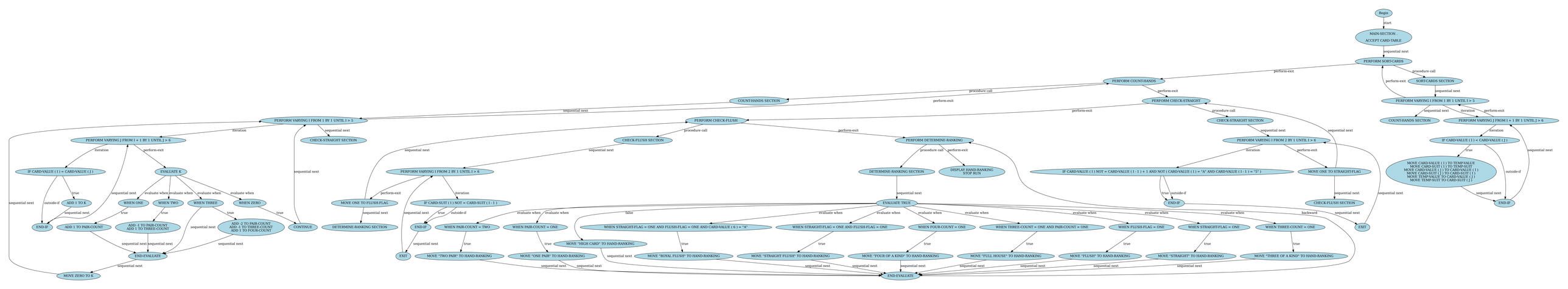
Begin
start
MAIN-SECTION.
ACCEPT CARD-TABLE
sequential next
PERFORM SORT-CARDS
perform-exit
procedure call
SORT-CARDS SECTION
sequential next
PERFORM VARYING I FROM 1 BY 1 UNTIL I > 5
sequential next
iteration
perform-exit
COUNT-HANDS SECTION
PERFORM VARYING J FROM I + 1 BY 1 UNTIL J > 6
iteration
IF CARD-VALUE ( I ) < CARD-VALUE ( J )
true
MOVE CARD-VALUE ( I ) TO TEMP-VALUE
MOVE CARD-VALUE ( J ) TO CARD-VALUE ( I )
MOVE CARD-VALUE ( I ) TO CARD-VALUE ( J )
MOVE CARD-SUIT ( I ) TO CARD-SUIT ( I )
MOVE TEMP-VALUE TO CARD-VALUE ( J )
MOVE TEMP-SUIT TO CARD-SUIT ( J )
outside-if
END-IF
PERFORM COUNT-HANDS
procedure call
COUNT-HANDS SECTION
PERFORM CHECK-STRAIGHT
CHECK-STRAIGHT SECTION
PERFORM VARYING I FROM 2 BY 1 UNTIL I > 6
IF CARD-VALUE ( I ) NOT = CARD-VALUE ( I - 1 ) + 1 AND NOT ( CARD-VALUE ( I ) = "A" AND CARD-VALUE ( I - 1 ) = "5" )
MOVE ONE TO STRAIGHT-FLAG
CHECK-FLUSH SECTION
EXIT
PERFORM CHECK-FLUSH
CHECK-FLUSH SECTION
PERFORM VARYING I FROM 2 BY 1 UNTIL I > 6
IF CARD-SUIT ( I ) NOT = CARD-SUIT ( I - 1 )
MOVE ONE TO FLUSH-FLAG
DETERMINE-RANKING SECTION
PERFORM DETERMINE-RANKING
DETERMINE-RANKING SECTION
DISPLAY HAND-RANKING
STOP RUN
EVALUATE TRUE
WHEN STRAIGHT-FLAG = ONE AND FLUSH-FLAG = ONE AND CARD-VALUE ( 6 ) = "A"
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
MOVE "HIGH CARD" TO HAND-RANKING
false
END-EVALUATE
PERFORM VARYING I FROM 1 BY 1 UNTIL I > 5
iteration
CHECK-STRAIGHT SECTION
PERFORM VARYING J FROM I + 1 BY 1 UNTIL J > 6
IF CARD-VALUE ( I ) = CARD-VALUE ( J )
EVALUATE K
evaluate when
WHEN ONE
WHEN TWO
WHEN THREE
WHEN ZERO
ADD 1 TO K
ADD 1 TO PAIR-COUNT
ADD -2 TO PAIR-COUNT
ADD -1 TO THREE-COUNT
ADD 1 TO FOUR-COUNT
CONTINUE
END-IF
END-EVALUATE
MOVE ZERO TO K