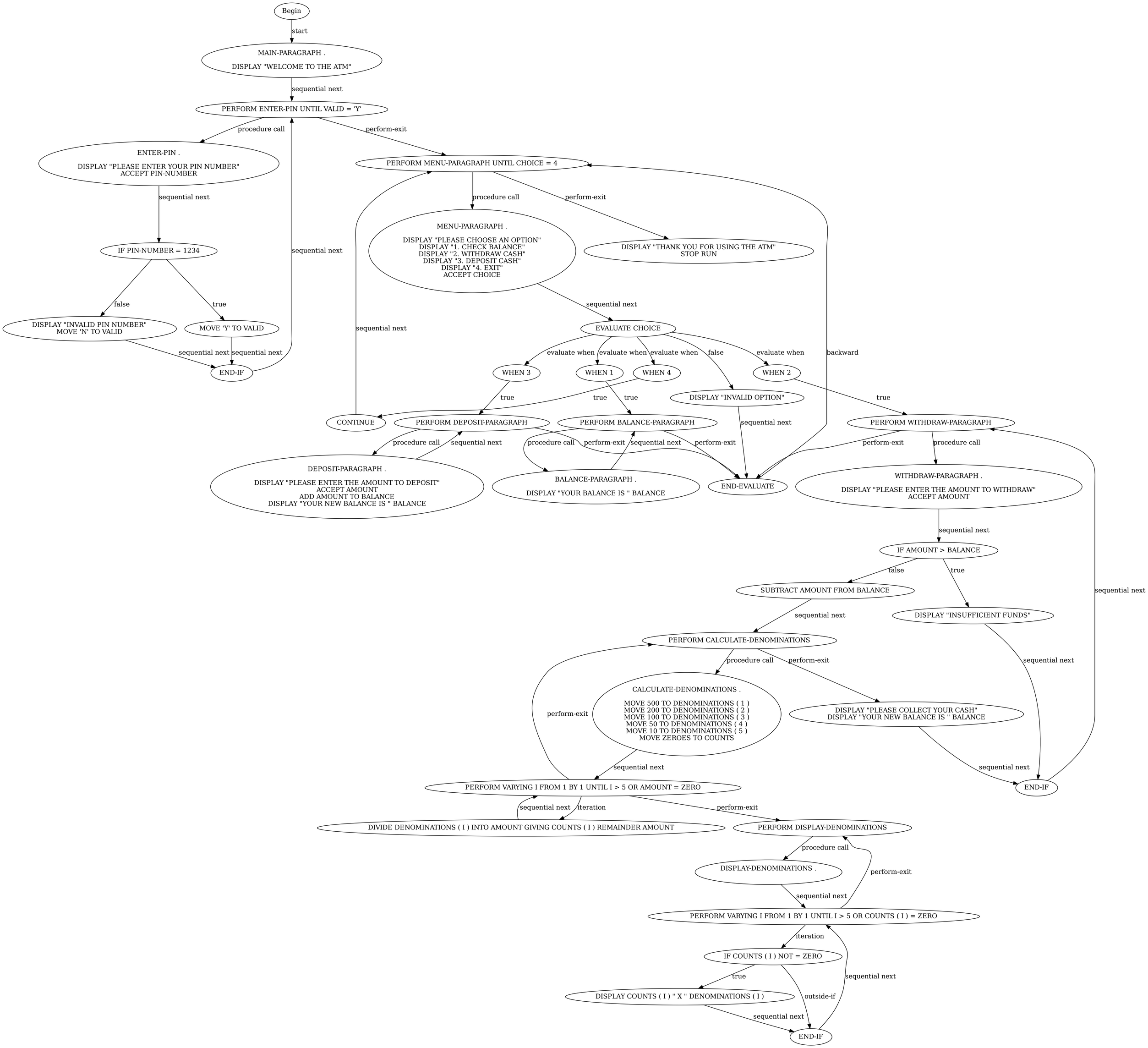
Begin
start
MAIN-PARAGRAPH .
DISPLAY "WELCOME TO THE ATM"
sequential next
PERFORM ENTER-PIN UNTIL VALID = 'Y'
procedure call
perform-exit
ENTER-PIN .
DISPLAY "PLEASE ENTER YOUR PIN NUMBER"
ACCEPT PIN-NUMBER
sequential next
IF PIN-NUMBER = 1234
false
true
DISPLAY "INVALID PIN NUMBER"
MOVE 'N' TO VALID
MOVE 'Y' TO VALID
sequential next
sequential next
END-IF
sequential next
PERFORM MENU-PARAGRAPH UNTIL CHOICE = 4
procedure call
perform-exit
MENU-PARAGRAPH .
DISPLAY "PLEASE CHOOSE AN OPTION"
DISPLAY "1. CHECK BALANCE"
DISPLAY "2. WITHDRAW CASH"
DISPLAY "3. DEPOSIT CASH"
DISPLAY "4. EXIT"
ACCEPT CHOICE
DISPLAY "THANK YOU FOR USING THE ATM"
STOP RUN
sequential next
EVALUATE CHOICE
evaluate when
evaluate when
evaluate when
false
evaluate when
backward
WHEN 3
WHEN 1
WHEN 4
WHEN 2
true
true
true
true
DISPLAY "INVALID OPTION"
CONTINUE
PERFORM DEPOSIT-PARAGRAPH
PERFORM BALANCE-PARAGRAPH
sequential next
PERFORM WITHDRAW-PARAGRAPH
procedure call
sequential next
procedure call
perform-exit
sequential next
perform-exit
perform-exit
procedure call
DEPOSIT-PARAGRAPH .
DISPLAY "PLEASE ENTER THE AMOUNT TO DEPOSIT"
ACCEPT AMOUNT
ADD AMOUNT TO BALANCE
DISPLAY "YOUR NEW BALANCE IS " BALANCE
BALANCE-PARAGRAPH .
DISPLAY "YOUR BALANCE IS " BALANCE
END-EVALUATE
WITHDRAW-PARAGRAPH .
DISPLAY "PLEASE ENTER THE AMOUNT TO WITHDRAW"
ACCEPT AMOUNT
sequential next
IF AMOUNT > BALANCE
false
true
SUBTRACT AMOUNT FROM BALANCE
DISPLAY "INSUFFICIENT FUNDS"
sequential next
sequential next
sequential next
PERFORM CALCULATE-DENOMINATIONS
procedure call
perform-exit
CALCULATE-DENOMINATIONS .
MOVE 500 TO DENOMINATIONS (1)
MOVE 200 TO DENOMINATIONS (2)
MOVE 100 TO DENOMINATIONS (3)
MOVE 50 TO DENOMINATIONS (4)
MOVE 10 TO DENOMINATIONS (5)
MOVE ZEROES TO COUNTS
DISPLAY "PLEASE COLLECT YOUR CASH"
DISPLAY "YOUR NEW BALANCE IS " BALANCE
perform-exit
sequential next
sequential next
END-IF
PERFORM VARYING I FROM 1 BY 1 UNTIL I > 5 OR AMOUNT = ZERO
sequential next
iteration
perform-exit
DIVIDE DENOMINATIONS (I) INTO AMOUNT GIVING COUNTS (I) REMAINDER AMOUNT
PERFORM DISPLAY-DENOMINATIONS
procedure call
DISPLAY-DENOMINATIONS .
perform-exit
sequential next
PERFORM VARYING I FROM 1 BY 1 UNTIL I > 5 OR COUNTS (I) = ZERO
iteration
IF COUNTS (I) NOT = ZERO
true
sequential next
DISPLAY COUNTS (I) " X " DENOMINATIONS (I)
outside-if
sequential next
END-IF