1. Guessing Game

PROCEDURE game:

Generate random x, where x >= 1 and x =< N

CALL procedure user input

CALL procedure game output (x, guess)

PROCEDURE user input:

WHILE (guess not integer or 1 >= guess >= N)

OUTPUT ‘enter your guess’

INPUT guess

END WHILE

RETURN guess

PROCEDURE game output (x, guess):

WHILE (guess != x)

IF (guess < x)

OUTPUT ‘My number is larger’

CALL procedure user input

ELSE

OUTPUT ‘My number is smaller’

CALL procedure user input

END IF

END WHILE

OUTPUT ‘You are correct’

5. ATM

WHILE (amount not valid)

valid = 0

INPUT amount

IF amount >= 10

IF amount%lowest denomination available == 0

IF amount below card limit

valid = 1

END IF

END IF

END IF

END WHILE

WHILE (amount > 0)

REPEAT for each available denomination starting with largest

notes = (int) amount / note value

IF (notes <= notes\_available)

amount = amount % note value

ELSE

notes = notes\_available

amount = amount-(notes\*denomination)

END IF

sum += notes\*denomination

END REPEAT

END WHILE

IF (sum == initial\_amount)

FOR notes

OUTPUT money

END FOR

ELSE

OUTPUT error message

RESTART

END IF