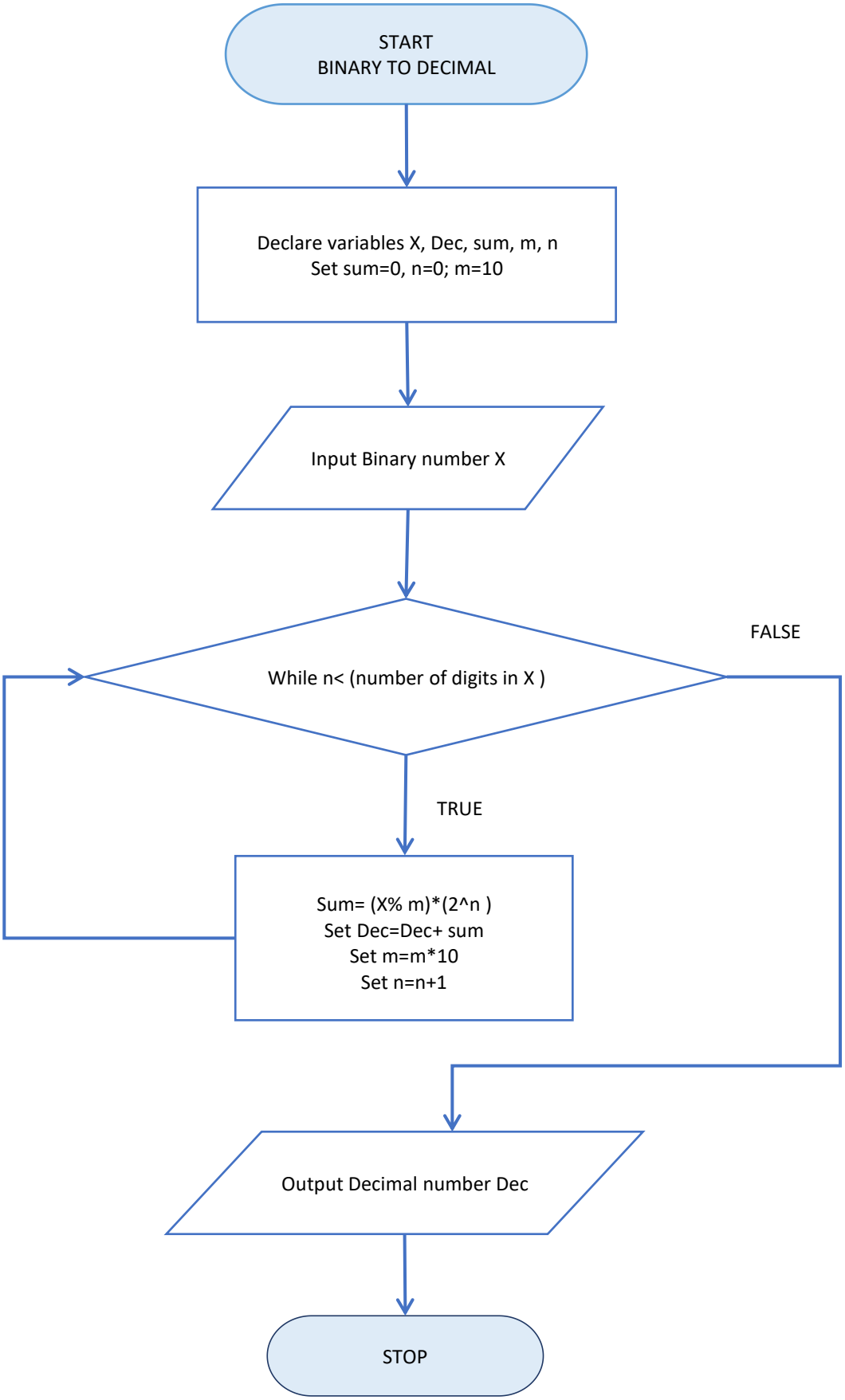
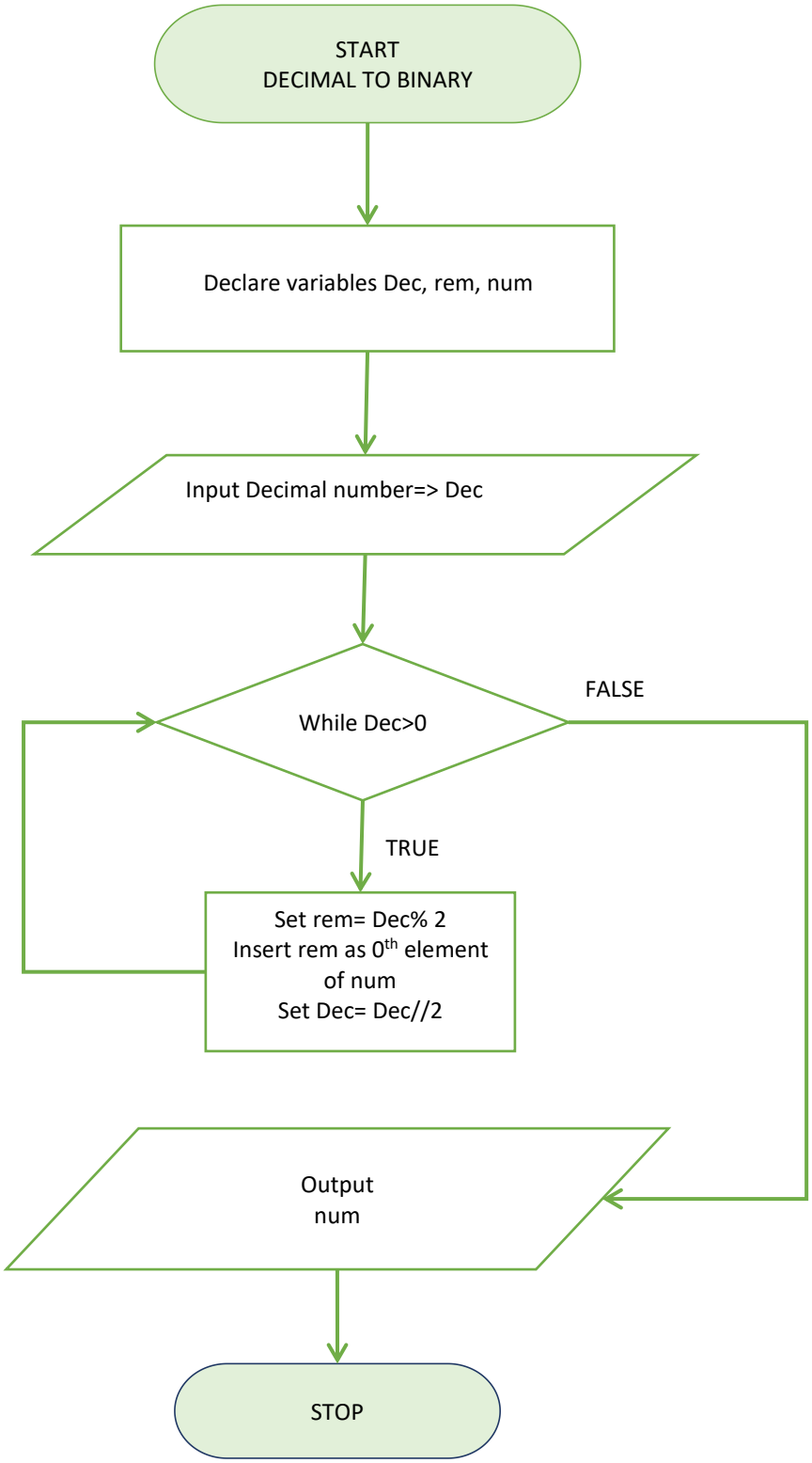
Flowcharts:

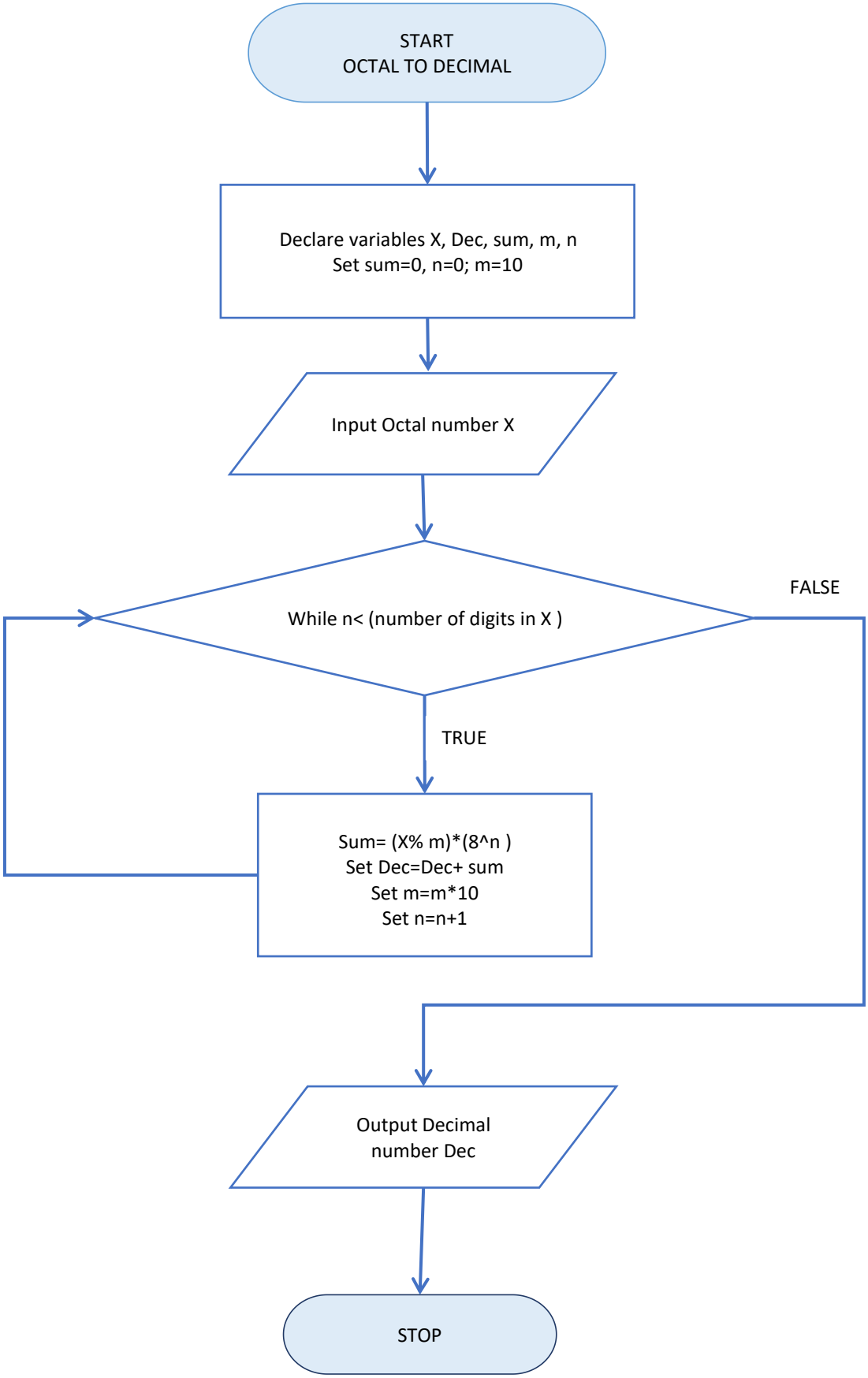
1. Binary to Decimal



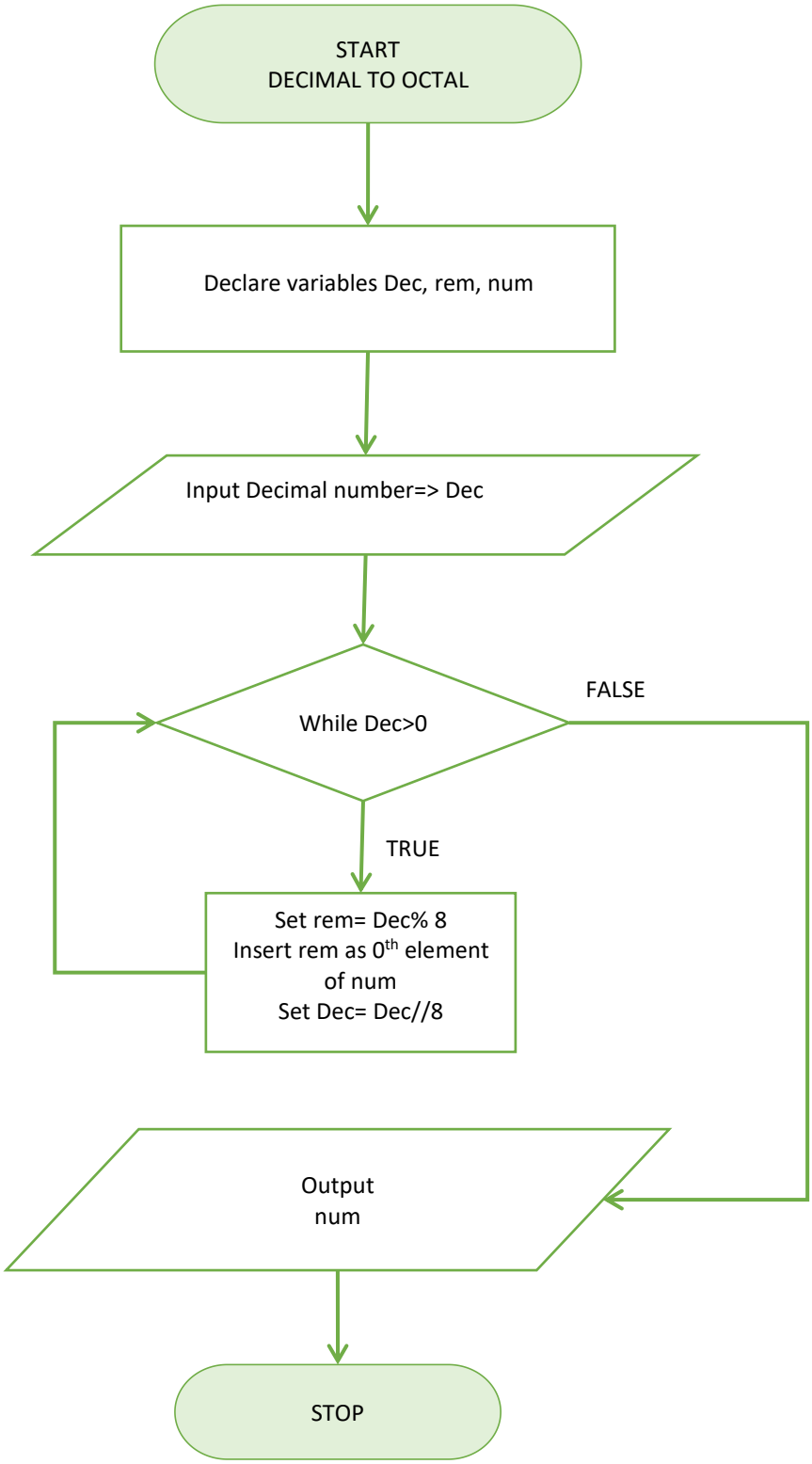
DECIMAL TO BINARY



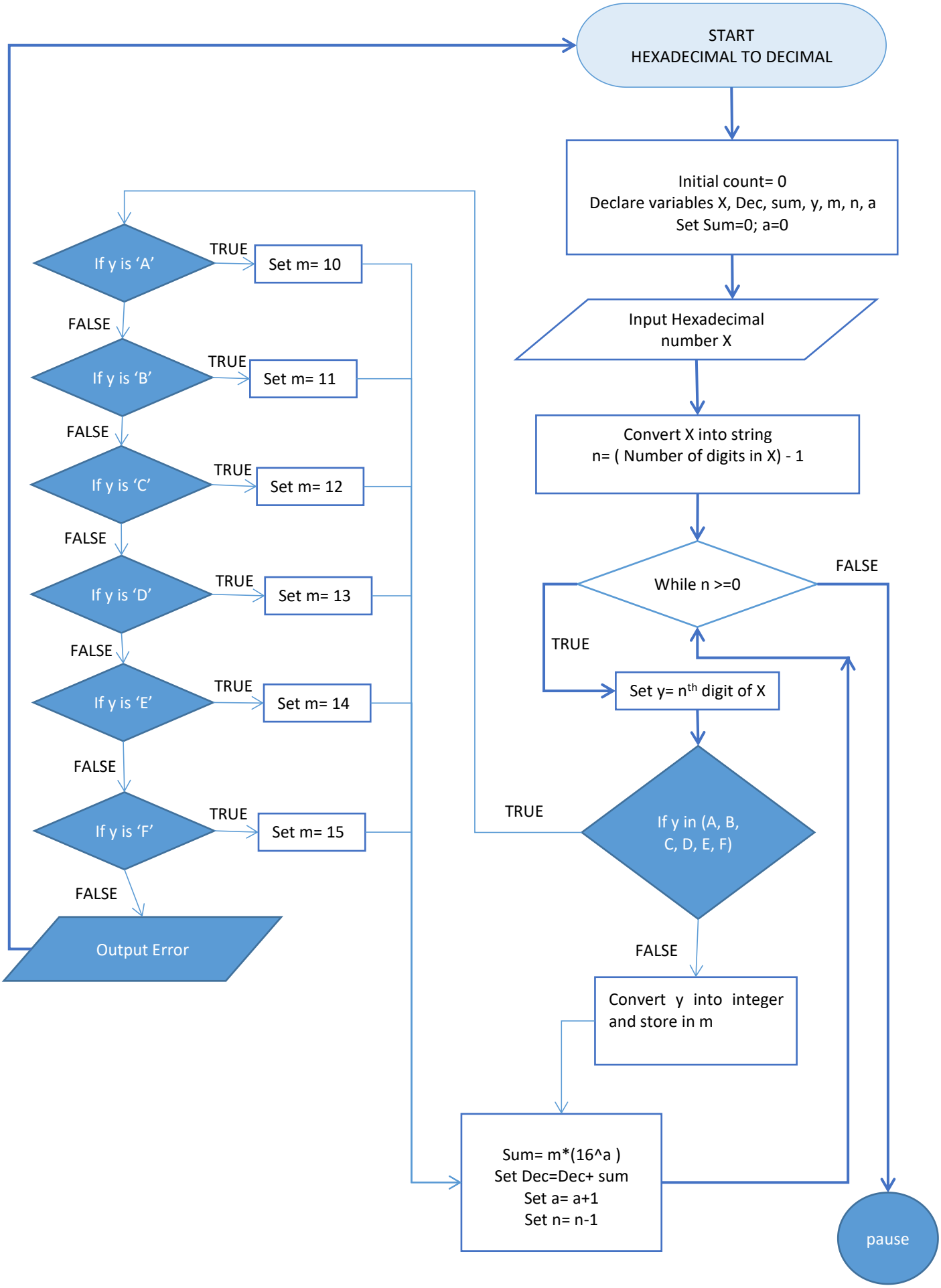
II. Octal to Decimal:

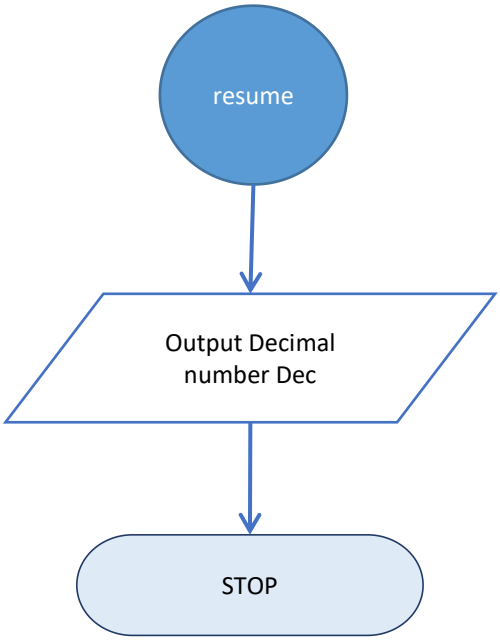


DECIMAL TO OCTAL

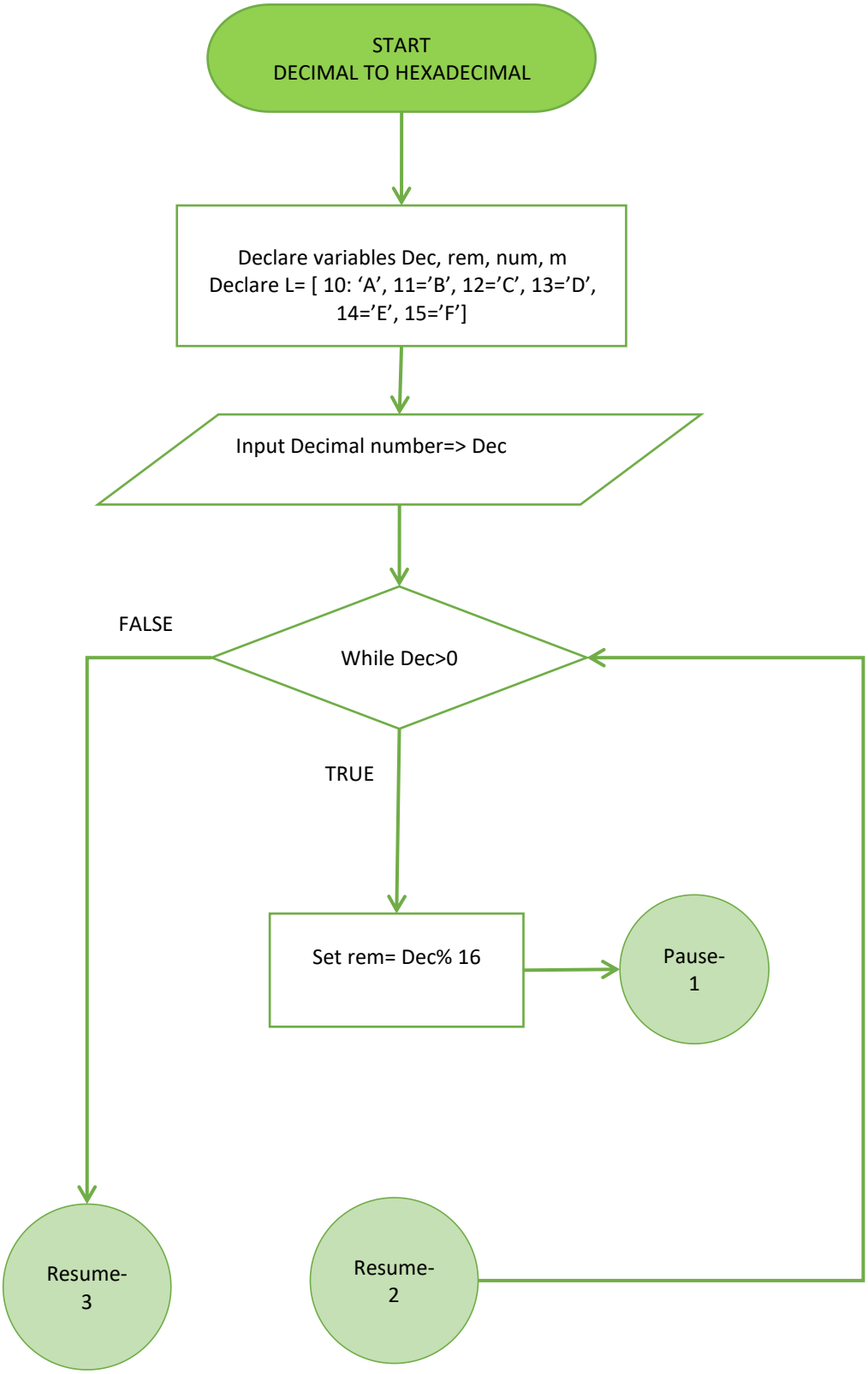


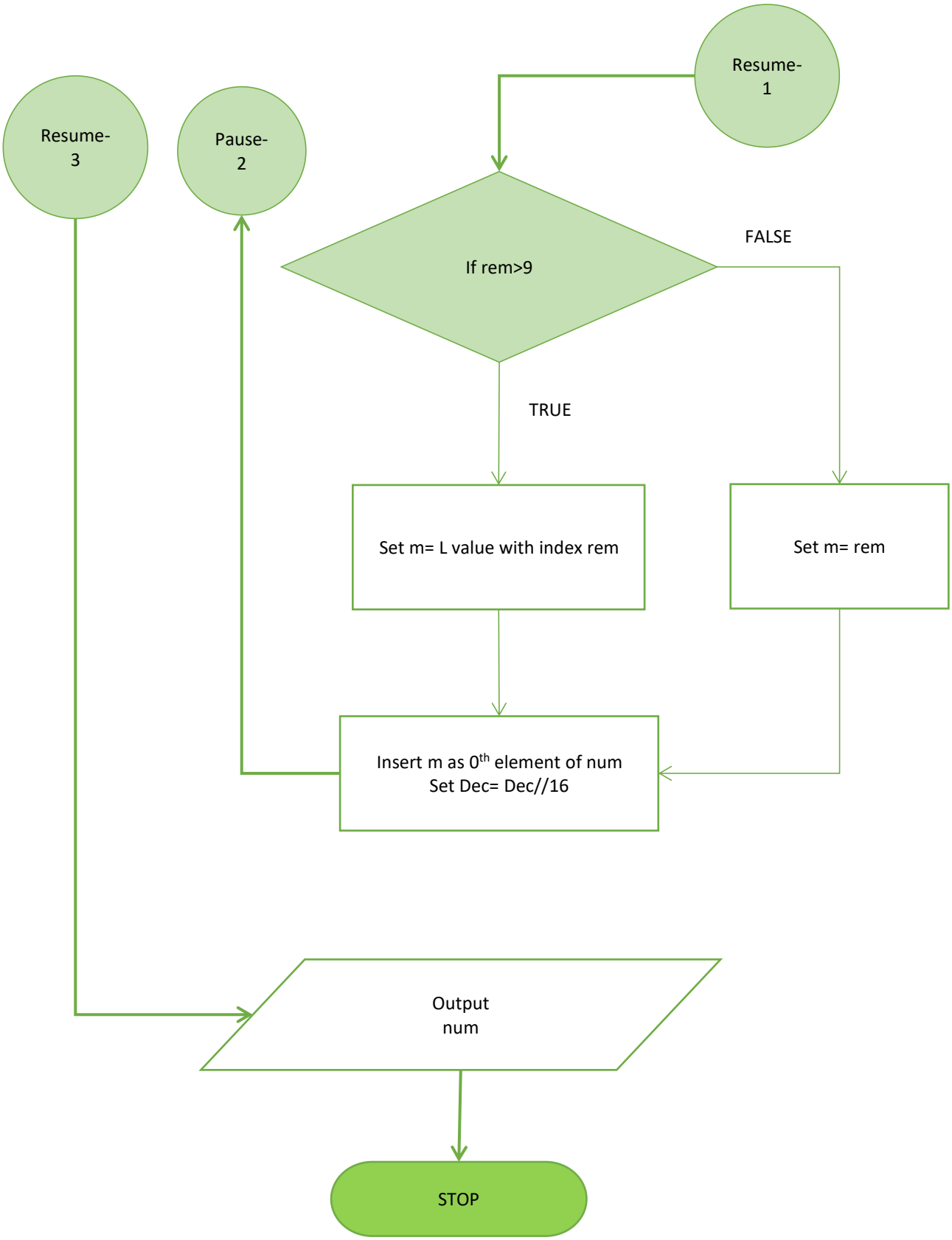
III. Hexadecimal to Decimal



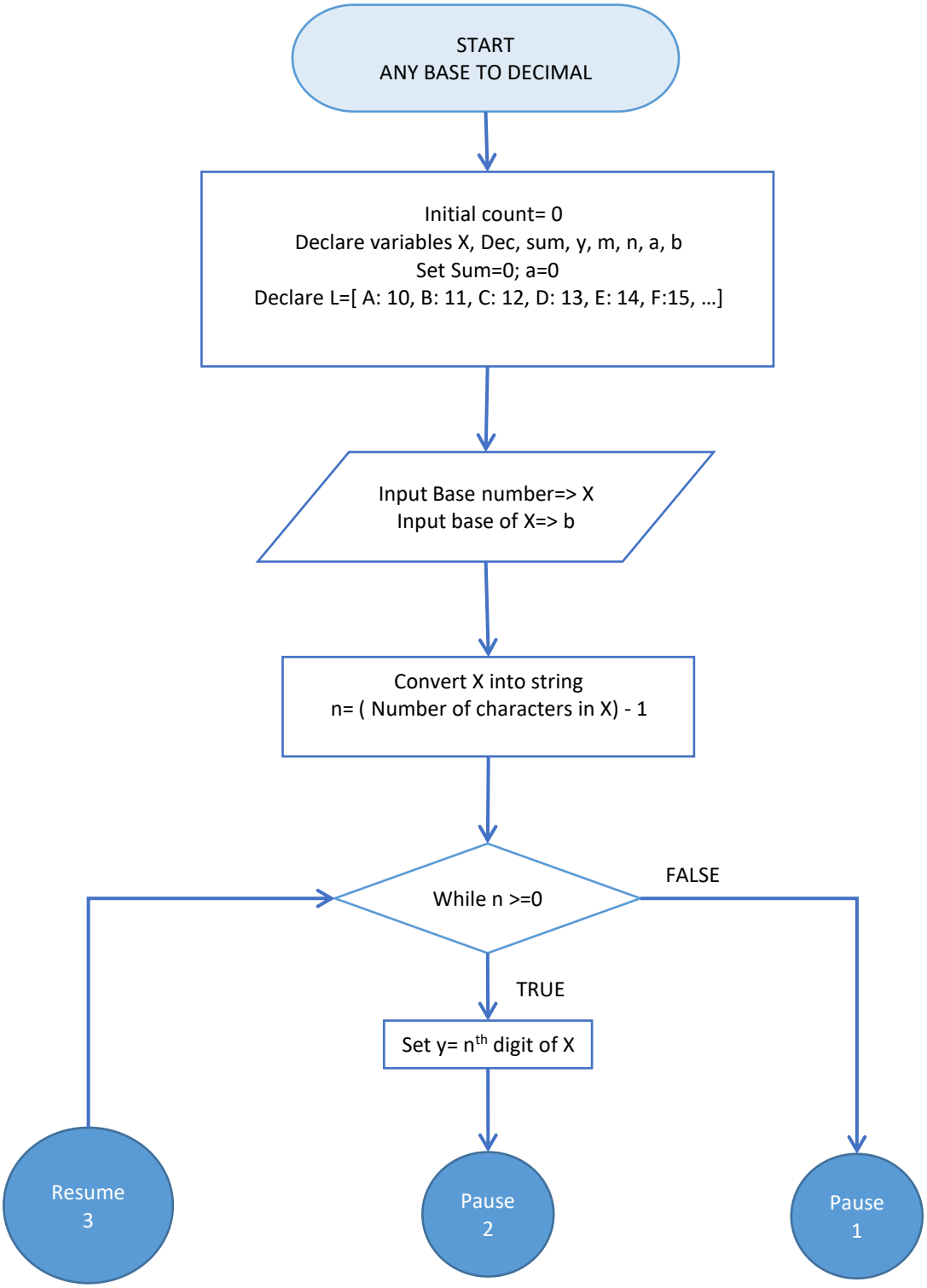

resume
Output Decimal
number Dec
STOP

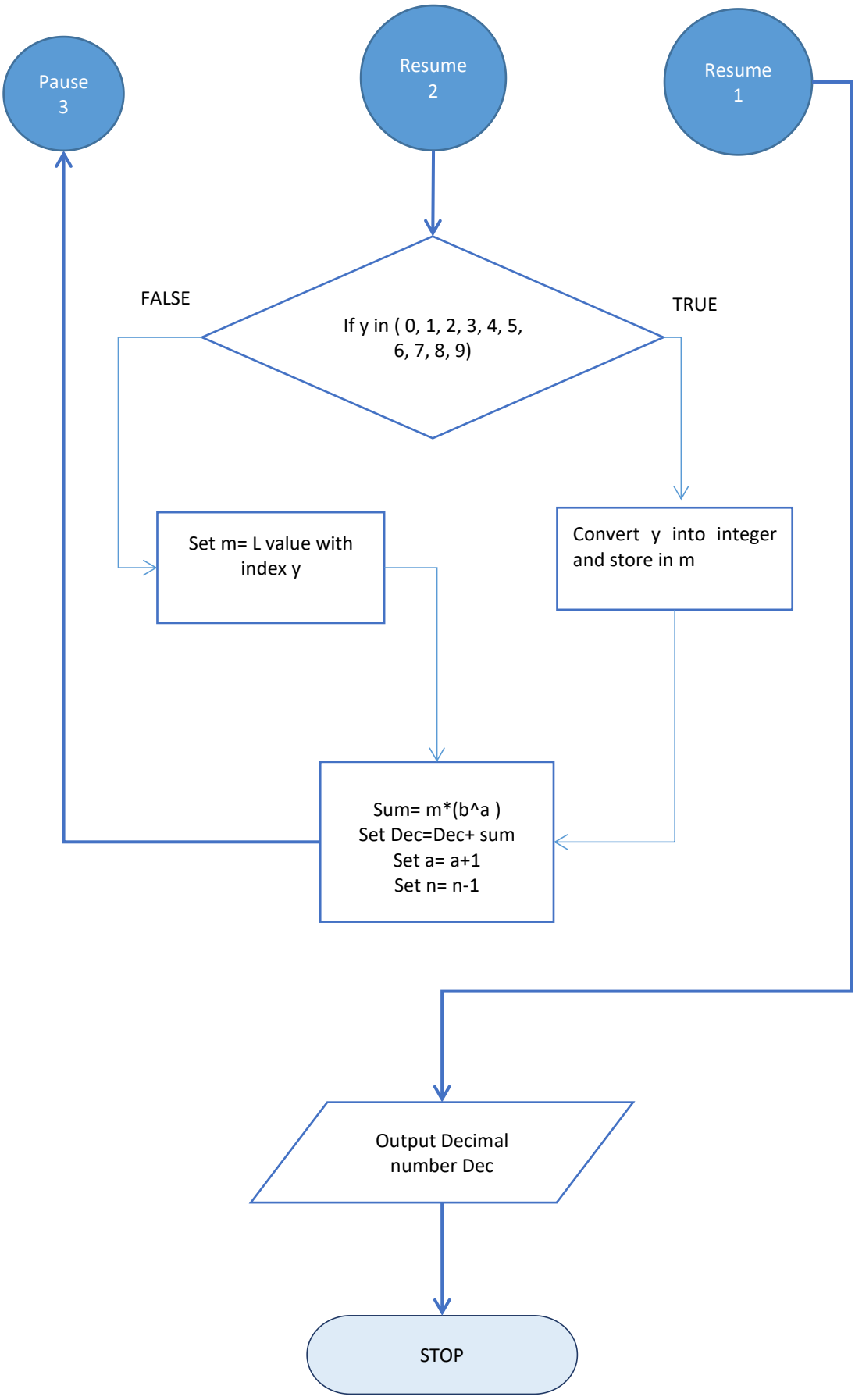
DECIMAL TO HEXADECIMAL



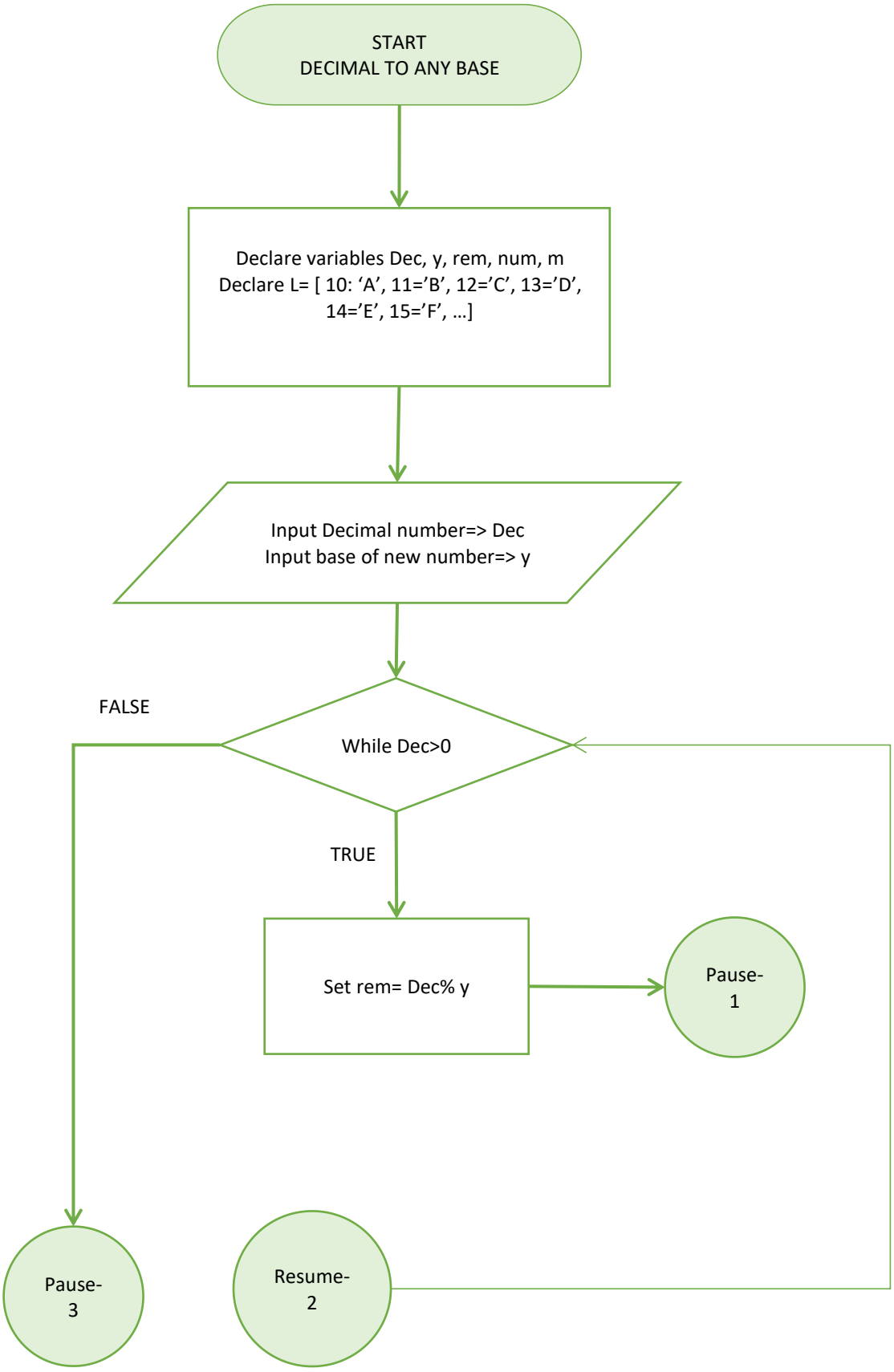

Resume-
1
Resume-
3
Pause-
2
If rem>9
FALSE
TRUE
Set m= L value with index rem
Set m= rem
Insert m as 0th element of num
Set Dec= Dec//16
Output
num
STOP

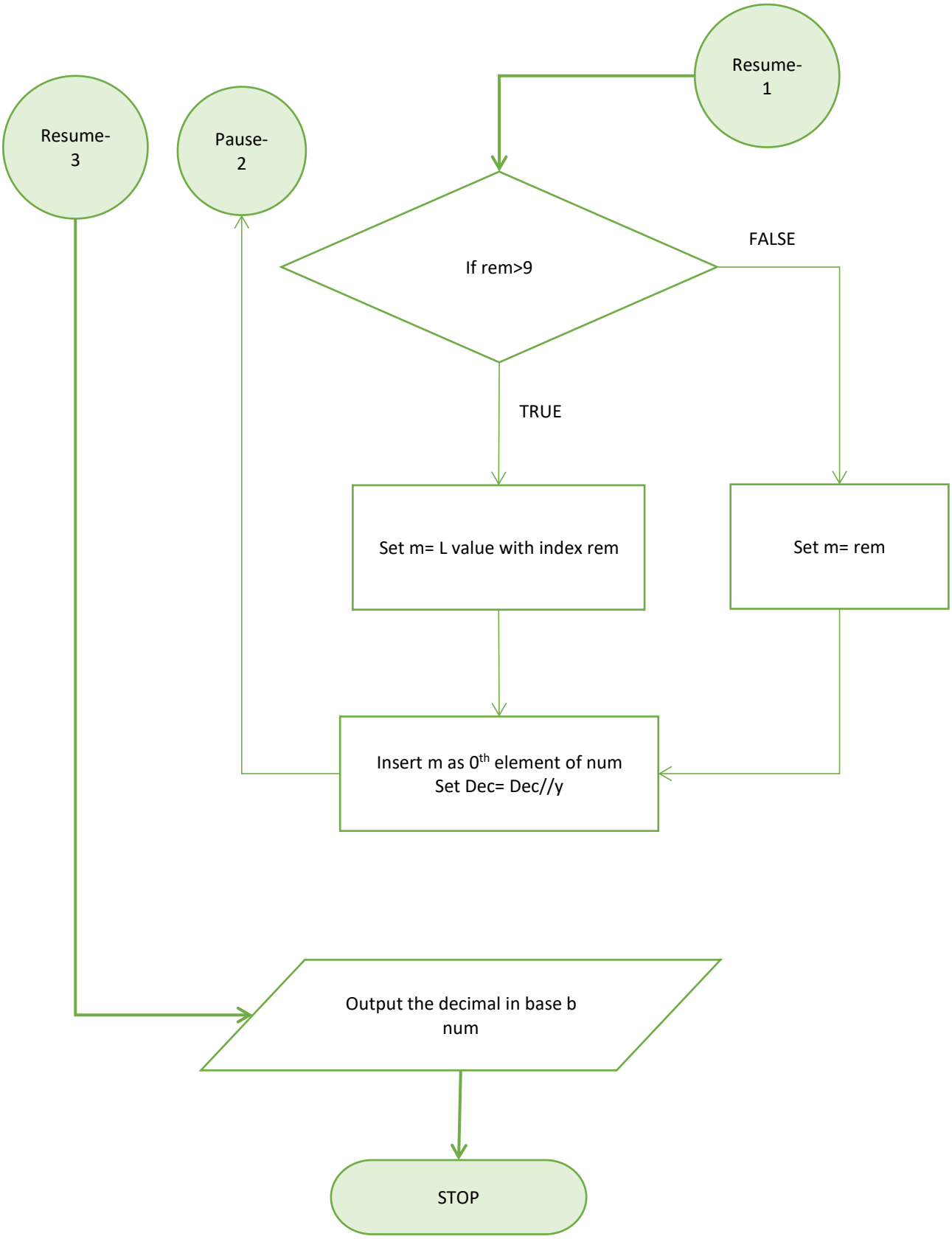
IV. Any Base to decimal



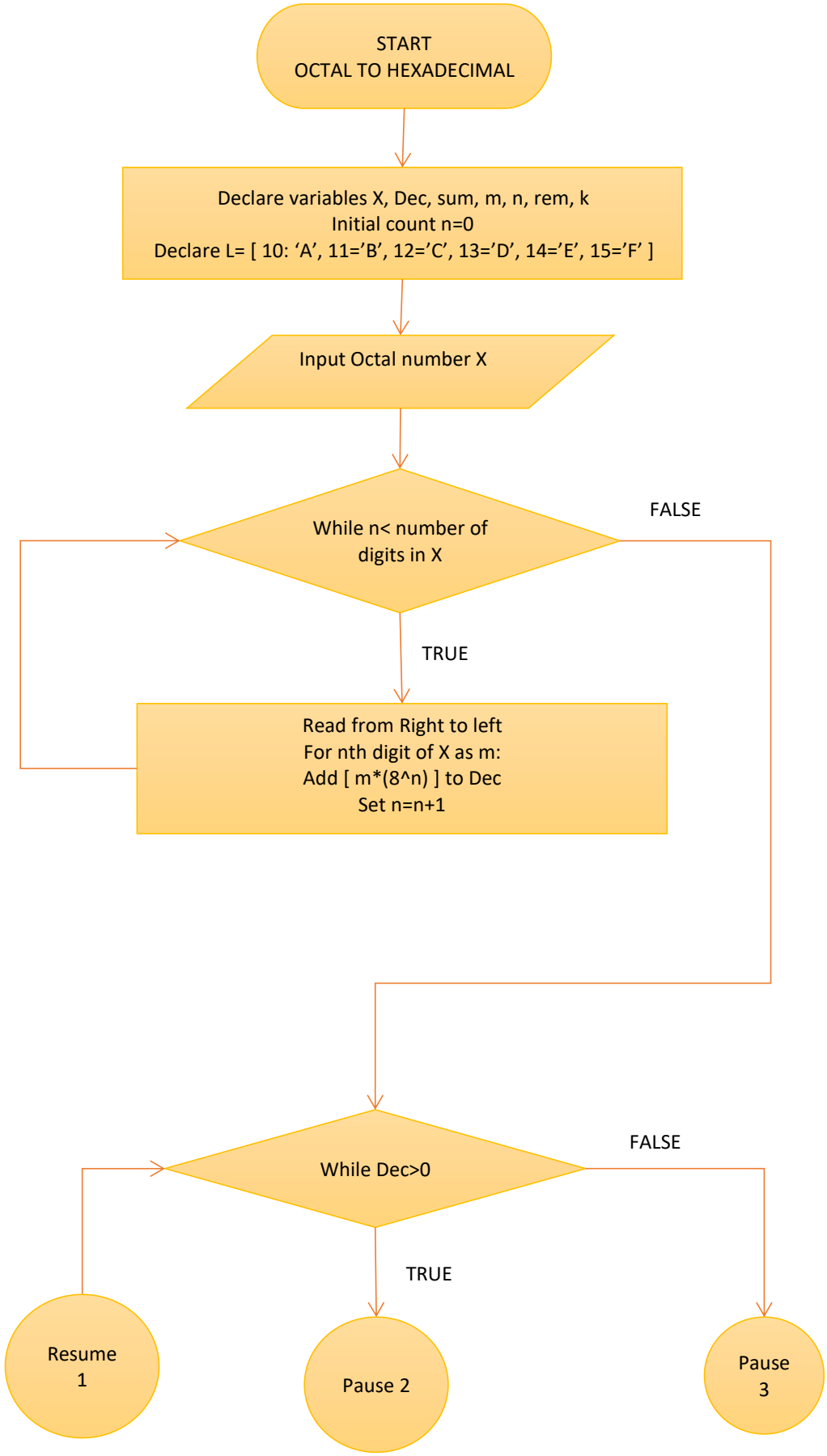

Pause
3
Resume
2
Resume
1
FALSE
If y in (0, 1, 2, 3, 4, 5,
6, 7, 8, 9)
TRUE
Set m= L value with
index y
Convert y into integer
and store in m
Sum= m*(b^a)
Set Dec=Dec+ sum
Set a= a+1
Set n= n-1
Output Decimal
number Dec
STOP

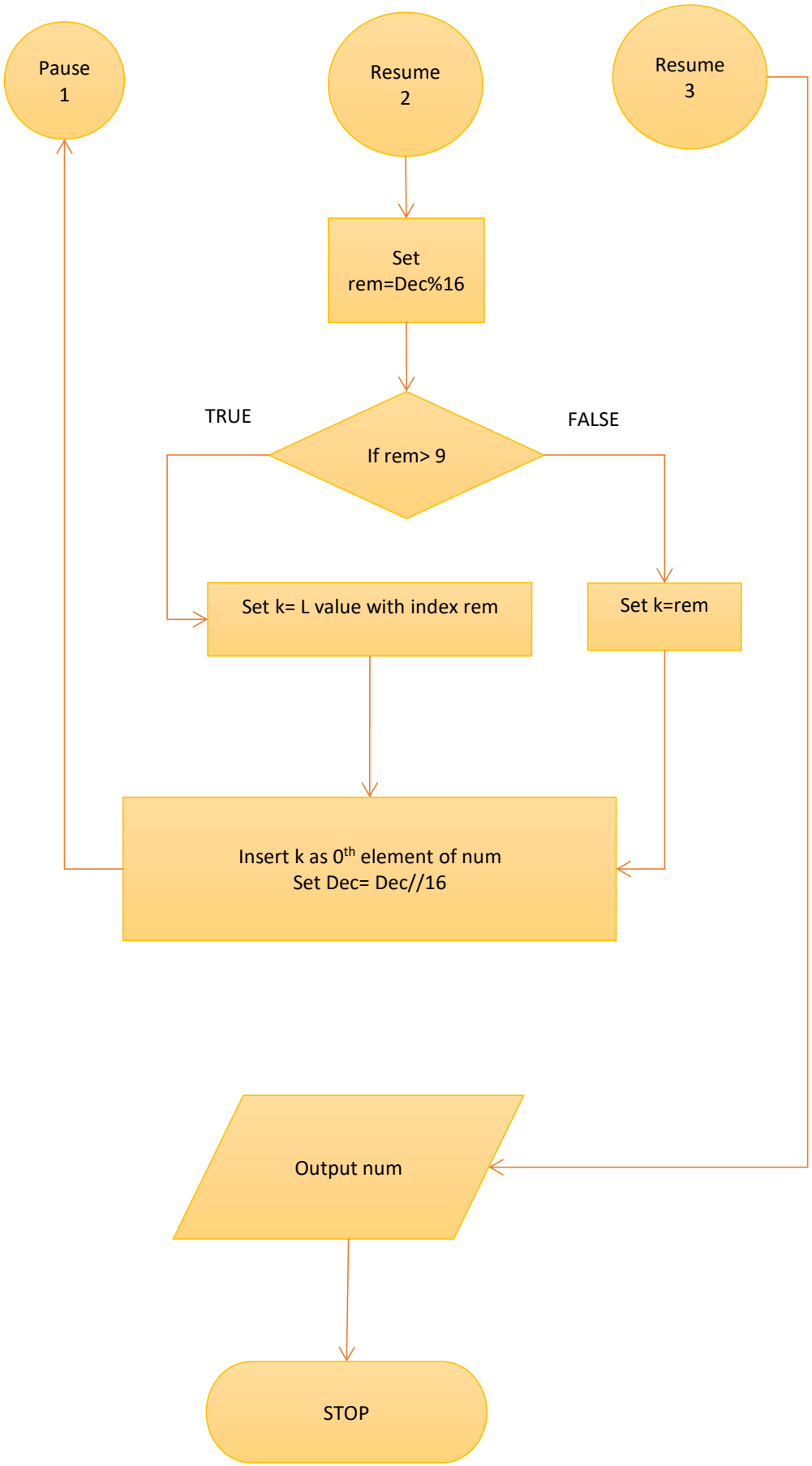
V. Decimal to any base



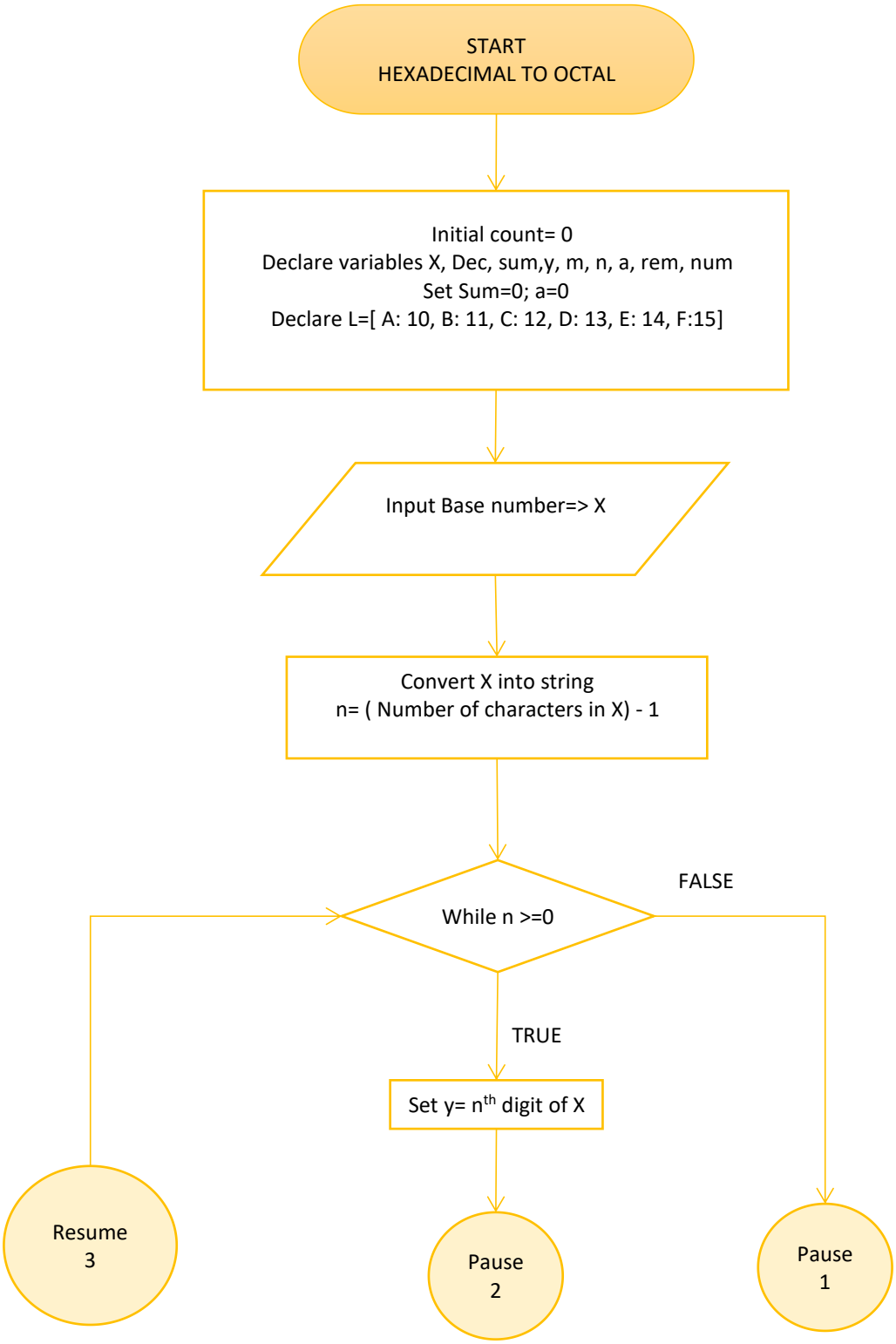

Resume-
1
Resume-
3
Pause-
2
If rem>9
FALSE
TRUE
Set m= L value with index rem
Set m= rem
Insert m as 0th element of num
Set Dec= Dec//y
Output the decimal in base b
num
STOP

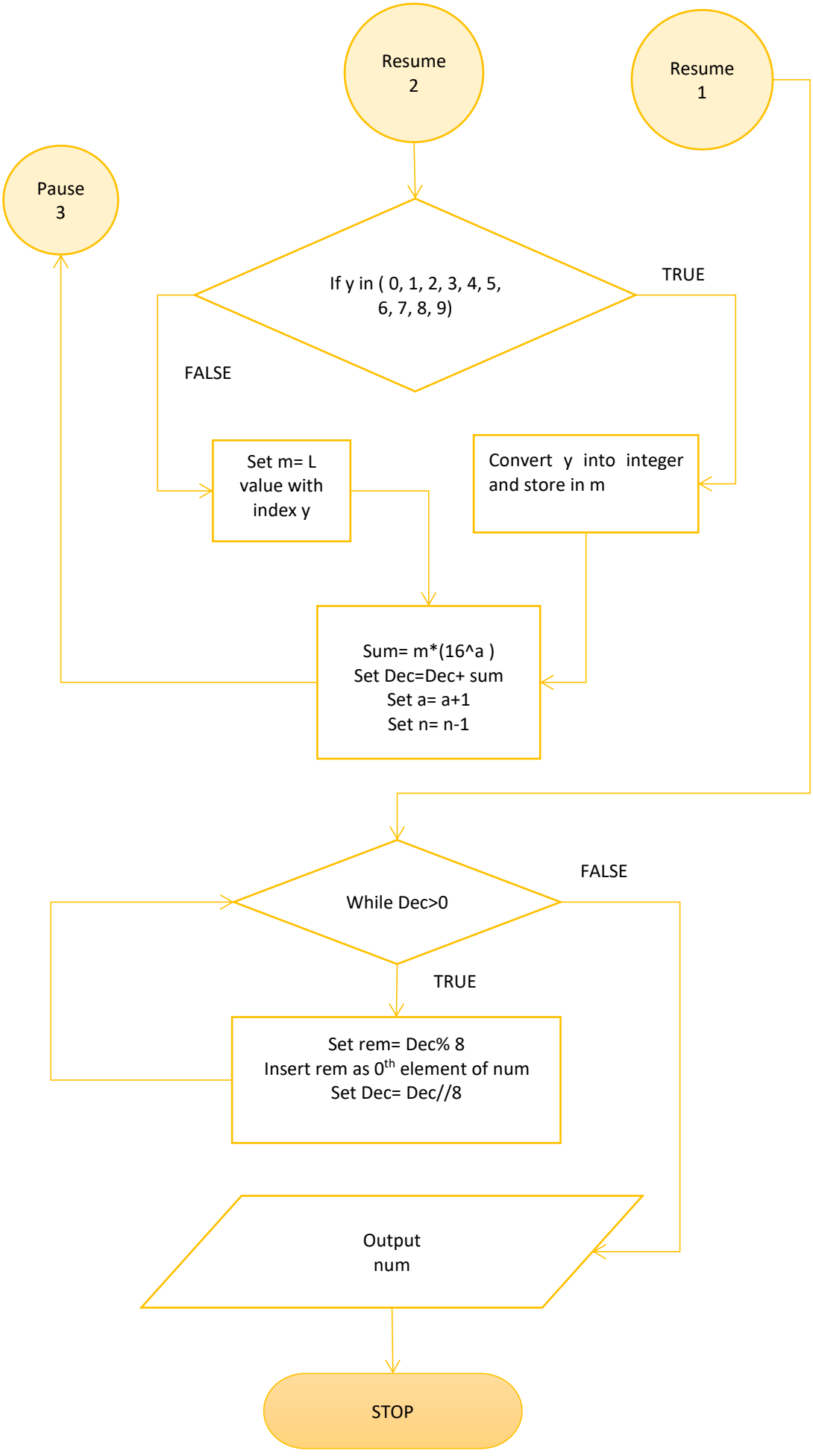
VI. OCTAL TO HEXADECIMAL




Pause
1
Resume
2
Resume
3
Set
rem=Dec%16
TRUE
If rem> 9
FALSE
Set k= L value with index rem
Set k=rem
Insert k as 0th element of num
Set Dec= Dec//16
Output num
STOP

HEXADECIMAL TO OCTAL




Resume 2
Resume 1
Pause 3
If y in (0, 1, 2, 3, 4, 5, 6, 7, 8, 9)
TRUE
FALSE
Set m= L value with index y
Convert y into integer and store in m
Sum= m*(16^a)
Set Dec=Dec+ sum
Set a= a+1
Set n= n-1
While Dec>0
FALSE
TRUE
Set rem= Dec% 8
Insert rem as 0th element of num
Set Dec= Dec//8
Output num
STOP

CSE-FLOWCHARTS- NumCon - Vignesh B

-Notes:
-- BLUE HAS BEEN USED FOR ANY BASE TO DECIMAL
-- GREEN HAS BEEN USED FOR DECIMAL TO ANY BASE
-- HEXADECIMAL<=>OCTAL IS DONE IN GOLD
~~V10 2021~~
Back to website: https://dragorab.github.io/dummy2/