

ATM

Questions:

least number of notes
type of notes

math. formula:

step one: divide by 100

output first digit = number of 100 notes

step two: remainder divide by 50

output first digit = number of 50 notes

step three: remainder divide by 20

output first digit = number of 20 notes

step four: remainder divide by 10

output first digit = number of 10

user amount > 100 then divide by 100

If not divide by 50/20/10

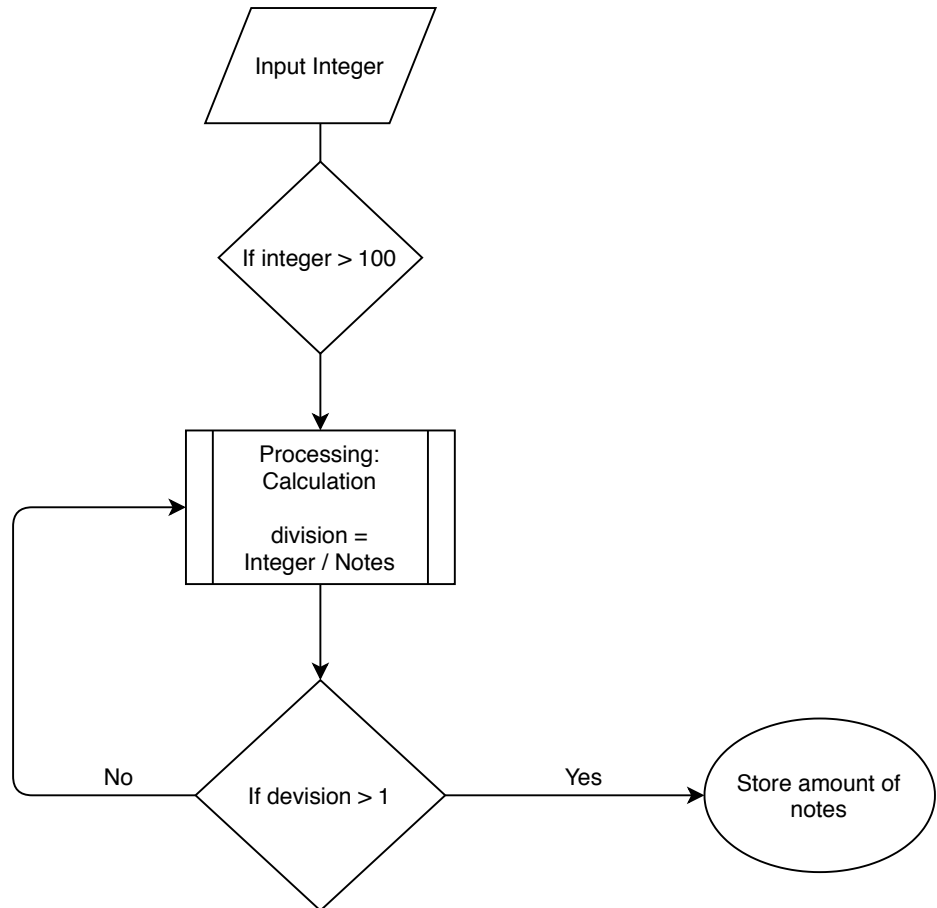
if input = integer then dispense

if input > integer then

what happens at decision branch?

if output remainder 0 = number of
notes

remainder > 0 = take first digit and
divide it by next largest note



How much is still left?

Output:
Desired amount