322 Loin Change problem

denominations = 21,2,5}

amount = 11

i dea

Opt (i) - min (oins for amount i

Use eac Formula D

Out we have to initialize opt[0],.. opt[5] (0 be able to use this Francia which is not 60221916

V bbworch #	l

he Consider denomination by denomination Say we only have I cent coins opt[i]: min (opt[i], opt[i-1]+1) 0pt 107 =0 2/3/4/5/6/7/8/9/10/11 Now Longidering denomination 2 0pt[i]: min(opt[i], opr[i-2]+1) 13/4/5/6/7/8/9/13 [win(5121) | min (3141)] 5 considering denomination opr (() - min (opr (;), opr (;-5]). NOW

return 3

9170

For x in coins;

For y in (x, amount ti):

opt(y); min (opt(y), opt(y-a)+1)

return op! [amount]