Iterative selution: minPayment (X, C[n])

2. initialize Alhti]

3. de A[0](0.

4. for amount < 1 to x

5 do min < x+1

5. for coinIndex < 0

j = amount - C[ccin Index]

1x Assume Cn Liven as an array t

each index osisn

Payment t/

represent an amount of

if  $0 \le j$  and A[j] < min then do

min < Aci]

7. Le A[amount] < 14 min
sante meaning as in f

8. if A[X] = X+1 then print we can't pay an amount of X with any number of coins given the coins in CInj 1x should return NIL, but to chose towrite this, to make the meaning of AIXI= X+1"

Notice that after we have calculated Aligher we don't need to calculate AIRI again, for any L Si

Time complexity = Space complexity = O(X) O(n.X)