(ache stores the answers

(bow many coins to achelye i amount)

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Amount = 11

(acre 0 1 1 2 2 1 2 2 3 3 2 3

reduced by solving
the Sub-problems

cache [1] =
$$\min \left(12, \operatorname{cache} \left(1 - 1 \right) + 1 \right) = \min \left(12, 0 + 1 \right) = 1$$
Cache [0] = 0

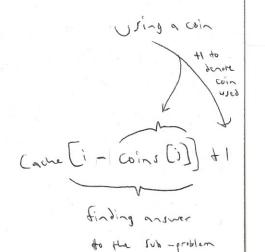
Cache
$$(3) = min(1), coche(3-1)+1) = min(1), (+1) = 2$$

Cache $(3) = 1$

Cache $(3-2) + 1 = 1$

Cache $(3, 1+1) = 2$

Cache $(3) = 1$



Cause (4) =
$$\min(12, \text{ cause } [4-1]+1) = \min(12, 2+1) = 3$$

Cause [3] = 2
 $\min(12, \text{ cause } [4-2]+1) = \min(12, 1+1) = 2$

Cache (5) =
$$\min \left(12, \text{ Cache } \left(5 - 1 \right) + 1 \right) = \min \left(12, 2+1 \right) = 3$$

$$\min \left(12, \text{ cache } \left[1-2\right]+1\right) = \min \left(12, 2+1\right) = 3$$

$$min (12, Crone (1 - 5) + 1 = min (12, 0+1) = 1$$
 $Cache (0) = 0$

etc.

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