House Robber

Think of it as "for each house, peck it or skip it" while never taking neighbors.

How to model it!

Let of [i] be the max money from the first i houses (i.e. considering mens [0._ i-1].

Decision at house i-1:

· Ship it ~ value ofp[i-1].

Reprit - you con't take the previous one, so value de [i-2] + munes [i-1].

Recurrence: of [i] = max (of [i-1], of [i-2] + mums [i-1]).

Bare: olp(0)=0

ofs[i7= mums[0]

Answer: of [n? when n= nums. size ().

Space optemization (recommended):

you only need the last two states:

Leys two vouebles: prev 2 = op[i-2], prev1 = op[i-1].

For each house x, new = mos (priv), pur + x), then shift pier = piers, prevs = new.