$$\begin{array}{lll}
N, \frac{1}{4}, & \frac{1}{2} & \frac{$$

2. (a)
$$\frac{1}{2}$$
 $a_{h} = 6a_{h-1} - 8a_{h-2}$
 $a_{h} = x^{n}$
 $x^{n} = 6x^{n-1} - 8x^{n-2}$
 $x^{2} - 6x + 8 = 0$
 $(x - 4)(x - 2) = 0$
 $x = 4, 2$

(b)
$$C_{1} = 4C_{1} - 4C_{1} - 4C_{1}$$

 $2C_{1} = 4C_{1} - 4C_{1}$
 $2C_{1} = 4C$

$$\frac{1}{2} \sum_{n=0}^{\infty} a_n = c_1 + c_2 + c_1 + c_2 = 3$$

$$\alpha_1 = 4c_1 + 2c_2 = 8 - 2$$

$$\alpha_1 = 4c_1 + 2c_2 = 8 - 2$$

$$\alpha_1 = 4c_1 + 2c_2 = 8 - 2$$

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$$\alpha_1 = 4$$

$$a_n = (c_1 + c_2 + c_1)^2$$

$$\begin{cases} a_0 = c_1 = 3 \\ a_1 = (c_1 + c_2 + c_2)^2 = 8 \end{cases}$$

$$(2^{-1})$$

3

def func (x, y); ナバー とはん() を火をしたか dp [mn] [inn] = 0 for i in range (m): ([1]ひ]=([1-1]ひ-1]+1 長度投長 if x [:]= Y[i] elif cli-JIj] z cli] [-1] ([][]] = ([]-1][] else (Z1) [] = ([1] []-1] VeTun C· 最長的 Tive: O(Mh)

空間(omplexity 西杏在 mxn 枯了, (omplexity 為 O(mn)