Problem 13.1

1) sinon s'ils étavent par lin molep alors chanin serveit dann-1

7-66

2) aceg 1011 bagh

0 100

0 0 10

0001

(1011010)

$$a = -b + 1$$
 $c = -d$
 $d = 1$
 $e = -3 + 1$
 $g = -h$
 $h = 1$

Problem 13.2

$$\frac{(1-E)^{2m}}{(1-E)^{2m}} = \frac{2m-1}{(1-E)^{2m-1}}$$
O even
$$\frac{(2-m)}{(1-E)^{2m}} = \frac{2m-1}{(1-E)^{2m}}$$

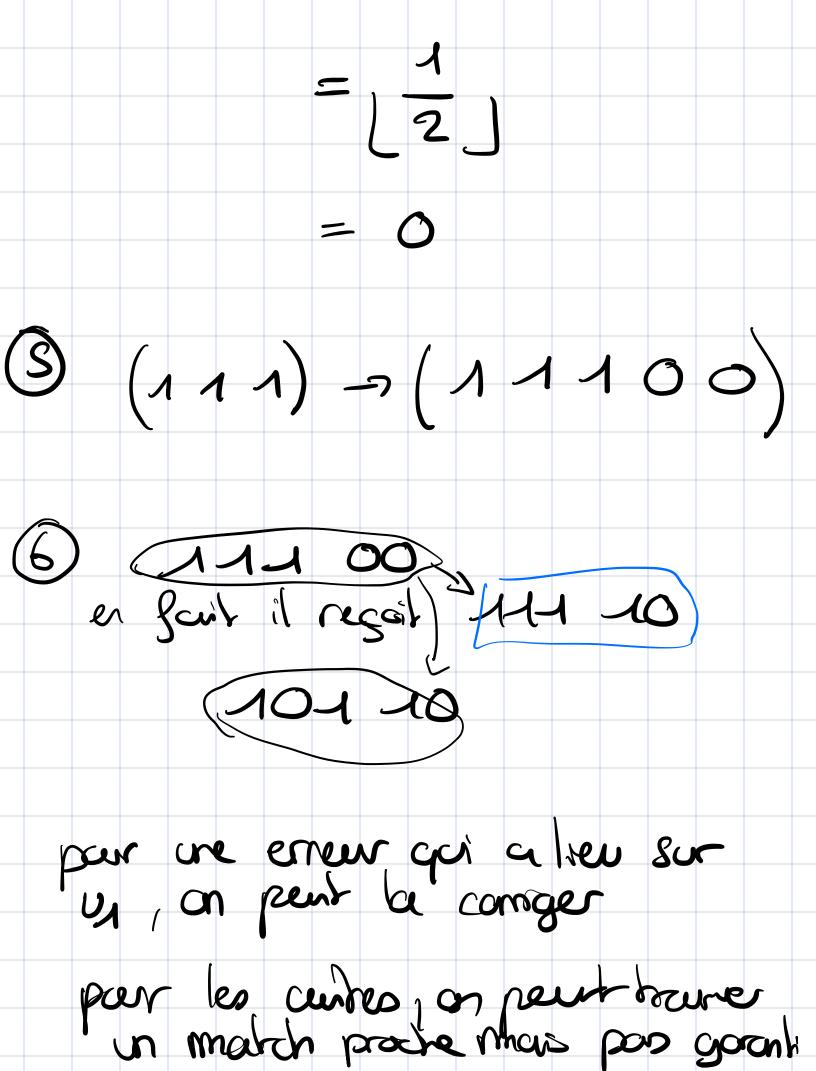
Problem 13.3

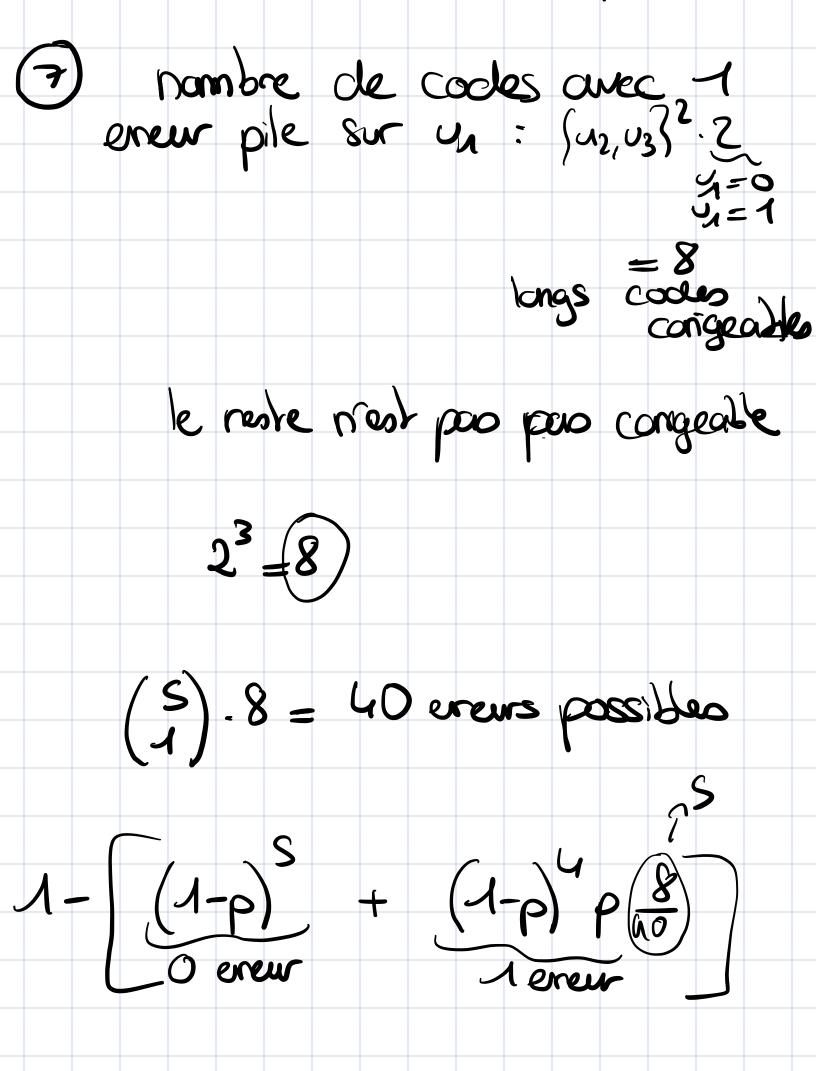
$$G = \begin{pmatrix} 10011 \\ 01010 \\ 001 \end{pmatrix}$$

$$= (11010)$$
 (1010)

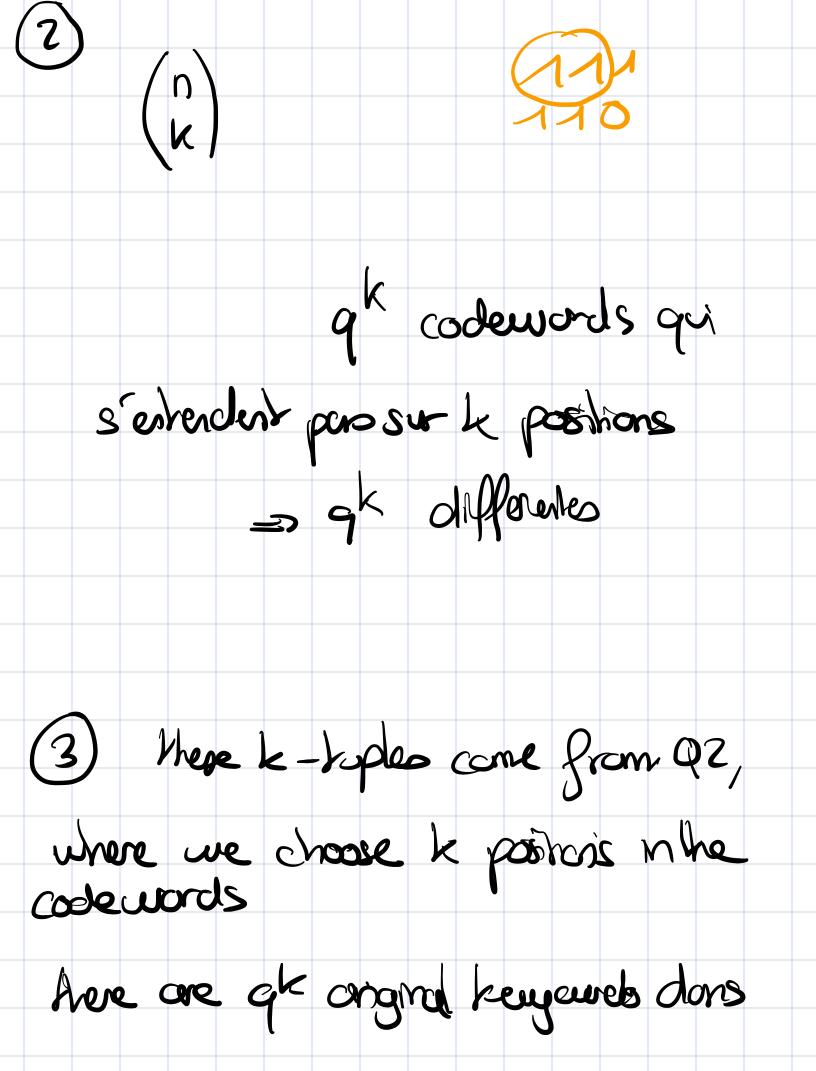
$$3)$$
 $dmin = 2$

(4) Proceed =
$$\lfloor \frac{dmm-1}{2} \rfloor$$





Problem 13.4 n=10 k=3dmin - 1 = n-k (1) \Rightarrow dmin = n-k+1K=2 **~3** ハイ 110 10 101 agree k positions 01 011 000 00 distance = n-k Sauf gre donn = n-ked



Fq, and as we have shown more with k fixed postions use oboun qk different coclawors (we can oba a) He know the postage of the Ks we know how to 0=9 k=3 dmm = n-k + 1 dmi'n= 2 ance O vapore => 1 sen)

1 erapre =>
2 granues =>

