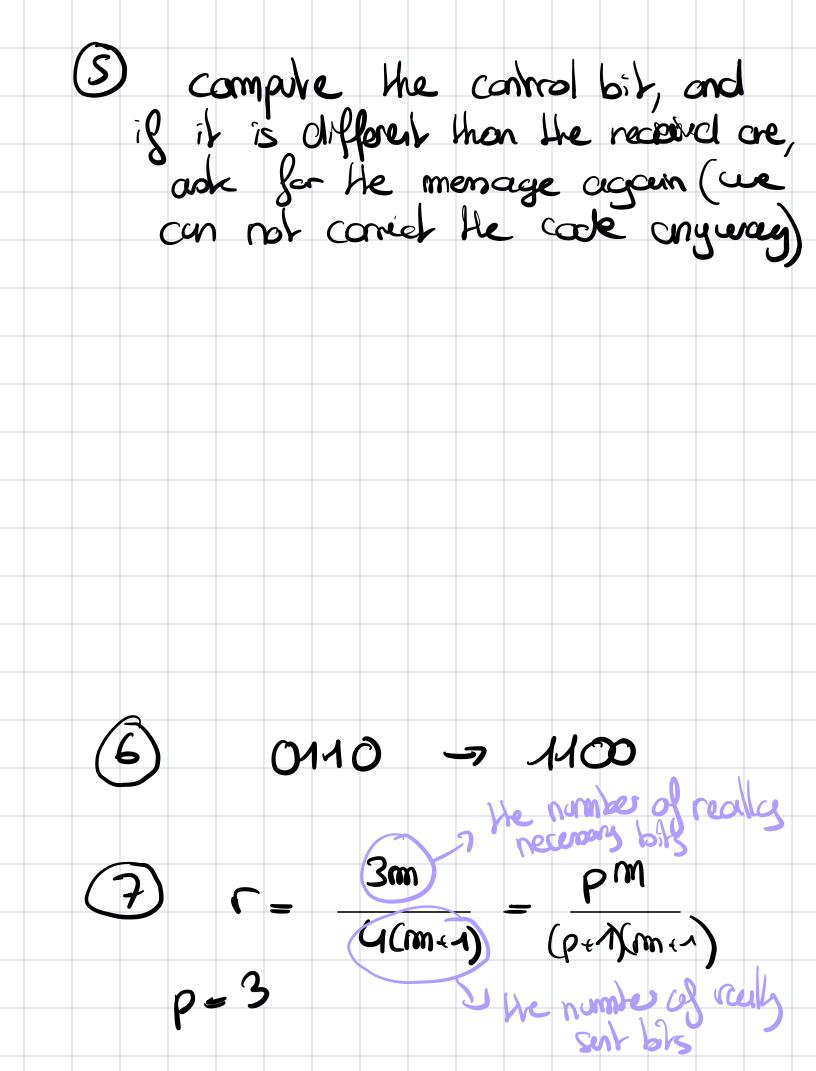
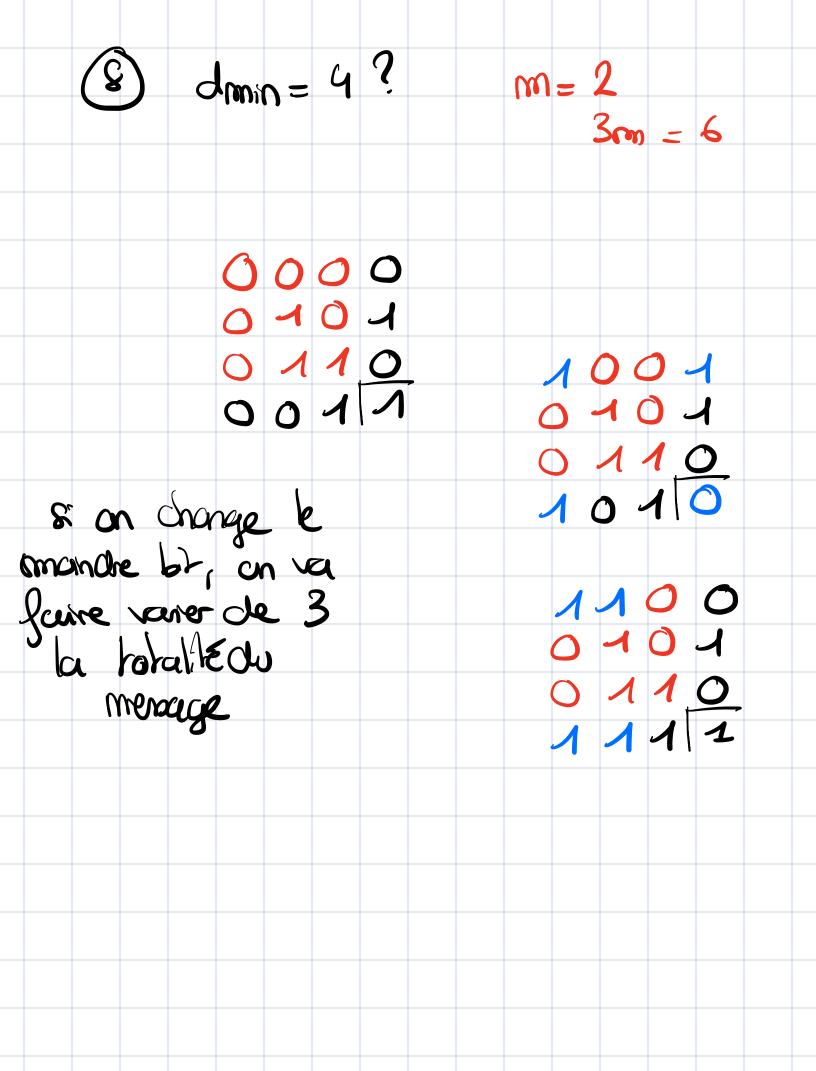


Proben 10.2

 $(3) \quad d_{min} = 2$

detect all errors $p_1 = 1$ correct all errors $p_2 = 0$



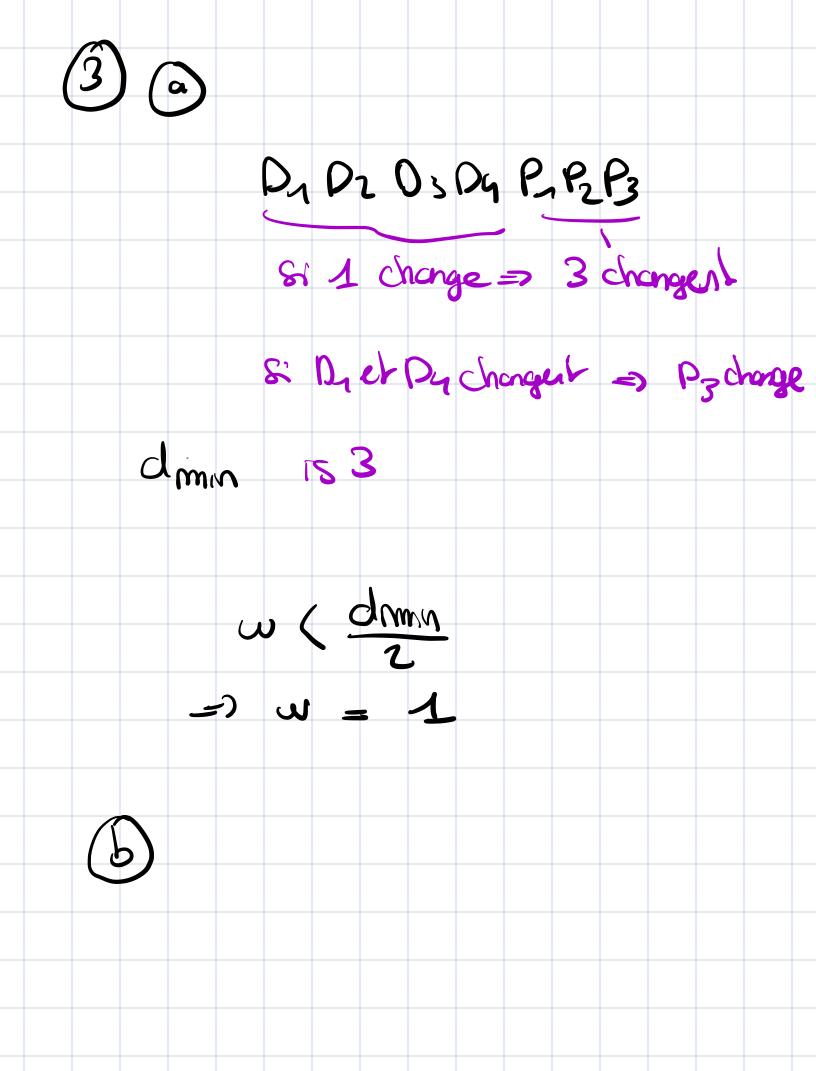


(1)
$$P("kcos") = p^k (1-p)^{n-k} \binom{n}{k}$$

(2)
$$P(0) = (1-1)100 (100) 1$$

$$= \left(1 - \frac{1}{100}\right)100$$

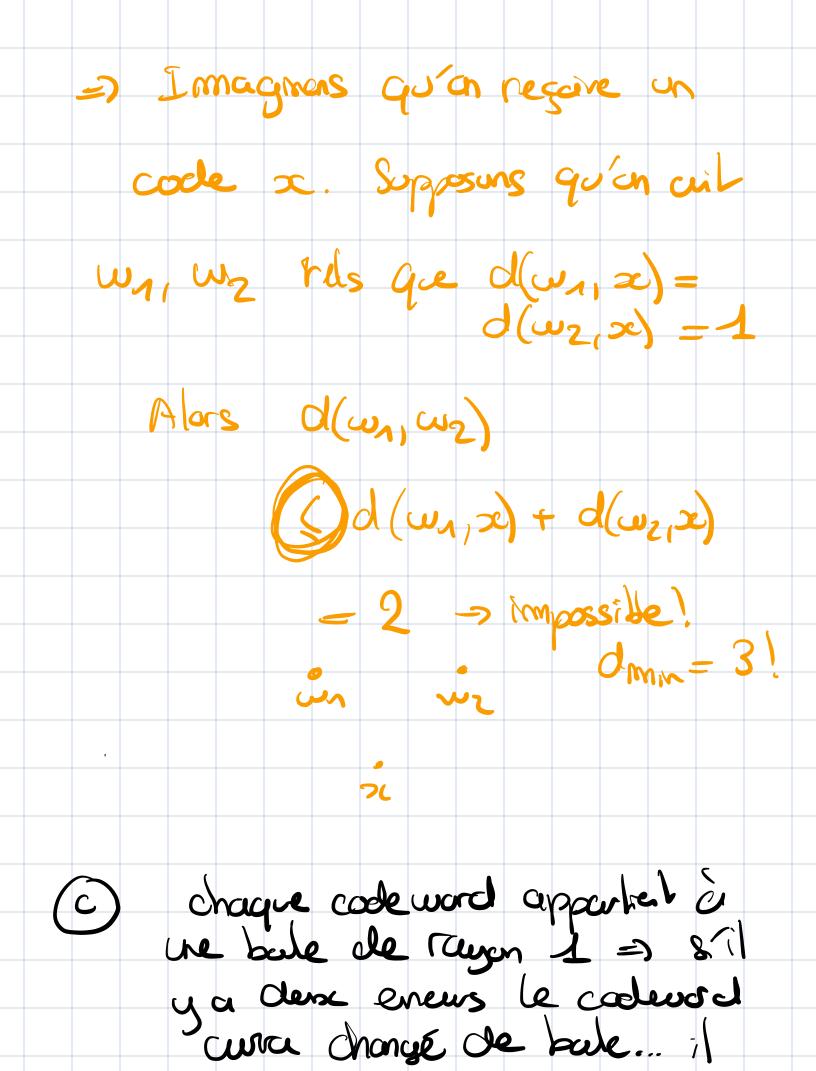
$$= \left(\begin{array}{c} 99 \\ 100 \end{array}\right) 100$$

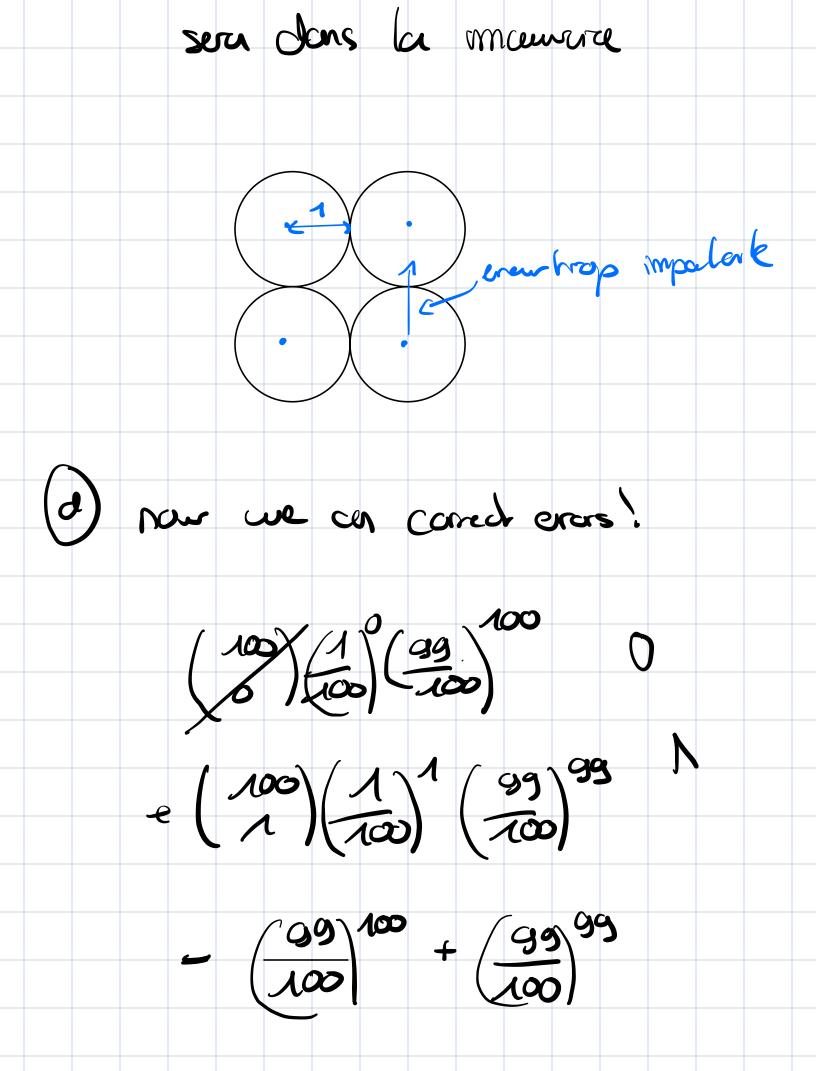


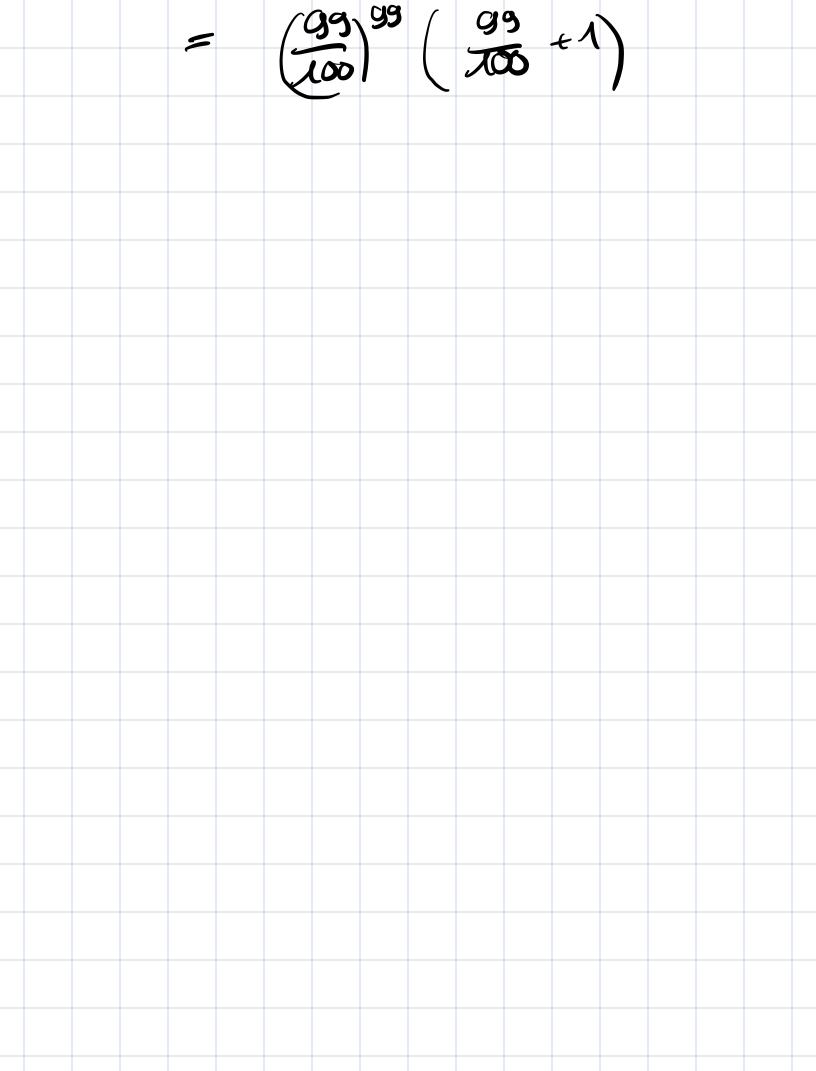
1 000000 010000 001000 0001000 0000000 CCCC 001 0000 CC (Soit & He code word II ya 7) positions par feure le drongenent. Si on port d'un codement t parquei on pent remover le mot anguel en 1 Changerest? 0100 000

Jen 1 changenul

D2 on peut pas aller à 0100 101 (qui ralderat le bit 1 mais sentement à accordance







Probl	en	10),4												
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Â)														
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		V	ex	7	2 c	h				2	$\binom{2}{2}$				
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							L	, 1							
(2)		D	a\\	<i>(</i> -	ℷ√.										
(120	2 I\	\	人		رع								

$$\begin{pmatrix} 0 \\ 0 \end{pmatrix} + \begin{pmatrix} 1 \\ 1 \end{pmatrix} + \begin{pmatrix} 1 \\ e \end{pmatrix}$$

(3)

Sir & E B(z10), B(z2e)

 $d(x_1, \xi) \leq e$ $d(x_1, \xi) \leq e$

 $d(x_1,x_2) \leq d(x_1,l) + d(x_1,l)$

(4) then domin = e+1

then Here can not be true cools closer than e+1

 $\sum_{k=0}^{\infty} \binom{n}{k} = 2$ le nombre d'élèvels dons one bale de rayon e le nampse de coolemaags par chaque bale, ily a Z el. 2° -7 tors les codes du code block