,	
1	
	Expected no. of empty boxes:
	tor = 1,2,3,50
	2 as 11. X: Screp that
-	wow les a landon variable X: such that
	Xi = \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \
	X: = 1 28 802 1 400
	o différoise
-	
-	Cee X = X, * X2 + X3 + * X50
1	Then x is the total no. a boxes which don't
1	
-	have balls
	$E(x) = E(x_1) + E(x_2) + - \cdot \cdot + E(x_{50})$
1	
-	NOW we can find E(X) for any i
	$x_i = 1$, et 100 times en a row coe closse one of
1	-A-66-68/
1	the other boxes
1	100
	Then $P(X_i=1) = \frac{\binom{49}{50}}{50}$
1	(20)
	$E(x) = 50 \left(\frac{49}{50}\right)$
-	00W = CX)= 30 (50)
4	
1	
1 - 3	