<b>C</b>	Poisson Distribution comy works for discrete
Notation & Kundamerus	- Unbounded => no upper lamit on protectible Each event is independent Et dan cloming account & discrete.
	$X \sim P_0(X)$ mean $(X = \mu)$ "The nandom variable $X$ follows a poisson distribution with mean, $X$ "
	$P(X=\alpha) = \frac{e^{-1/\alpha}}{2C_0^2}$ (the farmula)
Key pons	- For poisson: mode = median = meann  El mean = variance $1 \sigma^2 = 1$ - Beminder, this is only for "clustrete".
	If the mean is $2.3/s \Rightarrow$ the mean over $0.5$ is $4.6$ .
Cumulabue	- $P(X \le 3) = P(X = 0) + \infty + P(X = 8)$ - On the calculation CD is councilative El $PD$ is single.
	P(X=X=7) = P(X=7) - P(X=8)
	123 4 8 6 7 8
Adding	If $X \sim P(\Lambda) \otimes V \sim P(\mu) \otimes I$ independent $\Rightarrow X + V \sim P(\Lambda + \mu)$