	Conditiond Expectation and Variance
*	Conditional Expectation as a madem variable $g(y) = E[X Y=y] = \sum_{x} x(R_{x}y(x y))$
<b>→</b>	g(Y) is the grandom variable that takes me value E[XIY=y], if Y happens to take the Whey
	Defindion: E[XIV]=q(Y)  > At is a function of Y.
- 11	Lo at is a grandom variable.
*	The mean of E[XIV]  [Law of itended expectations]
	E[E[X Y] = > g(Y) Py (g)  = > E[X Y=y] Py (y) Stotel Expected?  Therem
	$= \sum [X]$

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\	Student Natebooks
*	
	Variable
	Van (X1Y=8) = E[X-E[X1Y=8]) [Y=8]
	Situation of the situat
$\Rightarrow$	Van (X1Y) is the on v that talks me value
* 3	van (X1Y=4), when Y=4,
->	Law of total variance;
_	Van(X) = E[Van(XIX)] + Van (E(XIX))
	alling Balance and IPsel
	TOTAL PROPERTY OF THE PROPERTY
( States to	in the pites, which eng
	10, K, Q, Q (2) = 1 KIND 3 (3)
ALL.S	what has a recovered to