	Day At the Farm
	RV:T = wtg of a tomato RV:P = 110 1111 pumpken
	RV: P = 110 111 pampken
	RV: W = amt of rainfall
	Given
	$W \sim U(0,6) Von(W) = \frac{1}{12}(6)^2 = 3$ $E[W] = \frac{6}{2} = 3$
	E [W] = 6/2 = 3
	T = 1 + W + U=
	UT N (0, 7/3)
	Uf IW => Cov (Of w)=0
	P=10+2.W+U0
	UD W (0.12)
	MOIN => COUCUBW)=0
1	Var2Cov (W,T) => Cov(W,1+W+U+)
	= Cor((W, 01)+Cov(W, W)
	0 + Cov(W, UT)=
	3
	= 16/3
	T 3 7
	3 16/3

.

Van Cov (W, P) Cov(W,P)=Cov(W,10+2W+UP) = 0+2.3+0 = 6 Var (P) = V (10+2·W+Up) = 0+4.3+12 24 3 Which fruit has larger covariance Cov(T, W) = 3, Cov(P, W) = 6 4. Reocale to Correlation
Tom: P= 3/N3.16/3 = 0.75 Pamp: Ppw = 6 N3024 = N36.2 NZ = 0,707