Marginal Distributions

- Marginal distributions are sub-tables which eliminate variables
- Marginalization (summing out): Combine collapsed rows by addir

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(\mathcal{I})	

W P	sun 0.4	rain 0.1	sun 0.2	rain 0.3
\mathbf{T}	hot	hot	cold	cold

$P(t) = \sum P(t,s)$	C
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	(t,	
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		+
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	(s)	
	P	

P(X,9)
88 1

9.0	0.5	(1/)
hot	cold)d

P(W)

W	P
sun	9.0
rain	0.4

$$P(X_1 = x_1) = \sum_{x_2} P(X_1 = x_1, X_2 = x_2)$$