

Restricting a Factor

- Let $f(X, \underline{Y})$ be a factor with variable X (\underline{Y} is a set)
- We **restrict** factor f **to** $X=a$ by setting X to the value a and “deleting” incompatible elements of f ’s domain .
Define $h = f_{X=a}$ as: $h(\underline{Y}) = f(a, \underline{Y})$

$f(A,B)$		$h(B) = f_{A=a}$	
ab	0.9	b	0.9
a~b	0.1	~b	0.1
~ab	0.4		
~a~b	0.6		