

90. Suppose  $X$  and  $Y$  are two discrete random variables having the joint distribution given in the Table below. Are  $X$  and  $Y$  independent?

		0	$X$ 1	2	$f_Y(y)$
	3	0.05	0.10	0.10	
Y	4	0.10	0.20	0.20	
	5	0.05	0.10	0.10	
	$f_X(x)$				