(1)	Find the probability that both balls chosen are red.	[1
		•••••
		•••••
		•••••
(ii)	Show that the probability that the balls chosen are of different colours is $\frac{15}{28}$ .	[2
		•••••
		•••••
		•••••
(iii)	Given that the second ball chosen is red, find the probability that the first ball chosen is red.	ed. [2
		•••••
		•••••

.....

The random variable *X* denotes the number of red balls chosen. (iv) Draw up the probability distribution table for X. [2] ..... (v) Find Var(X). [3] ..... .....