13	(a)		$\frac{4}{6}$ $\frac{1}{6},\frac{5}{6},\frac{1}{6},\frac{5}{6}$	2	B2oe	B1 for $\frac{4}{6}$ (or $\frac{2}{3}$) on LH bottom branch B1 for all other branches correct (allow 0.66 or 0.67 or better, 0.16 or 0.17 or better, 0.83 or better)
	(b)	"$\frac{4}{6}$"×"$\frac{5}{6}$"		2	M1ft	ft their tree diagram if probabilities less than 1 (only considering this product or 1 – (RR + RY + YR))
		Correct answer scores full marks (unless from obvious incorrect working)	$\frac{5}{9}$		A1	oe eg $\frac{20}{36}$ or (0.55(55…) or 55% or better or 56%
						Total 4 marks