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	Note that the outcomes E, E2 E3 & E4 are equally likely & they are mutually exclusive & exhaustive too.
	We can use Bay's theorem:
	$ \frac{P\left(\mathcal{E}_{4}\right)}{A} = \frac{P\left(\mathcal{E}_{4}\right) \cdot P\left(\frac{A}{\mathcal{E}_{4}}\right)}{P\left(\mathcal{E}_{1}\right) \cdot P\left(\frac{A}{\mathcal{E}_{1}}\right) + P\left(\mathcal{E}_{2}\right) \cdot P\left(\frac{A}{\mathcal{E}_{2}}\right) + P\left(\mathcal{E}_{3}\right) \cdot P\left(\frac{A}{\mathcal{E}_{3}}\right)} $
(ann)	$+ P(\mathcal{E}_4) - P(A/\mathcal{E}_4)$
	(00A)a - (a)a + (A)a - (A)A)a - (a)A)a - (a)A
	$P(E_1) = P(E_2) = P(E_3) = P(E_4) = \frac{1}{4}$ [Equally likely event]
(8	$P\left(\frac{A/\epsilon_{1}}{\epsilon_{2}}\right) = \frac{3c_{3}}{6c_{3}} = \frac{1}{20} \qquad P\left(\frac{A/\epsilon_{2}}{\epsilon_{2}}\right) = \frac{4c_{3}}{6c_{3}} = \frac{4}{20}$
	$\frac{P(A/\epsilon_3) = \frac{5\zeta_3}{6\zeta_3} = \frac{10}{20} \qquad P(A/\epsilon_4) = \frac{6\zeta_3}{6\zeta_3} = \frac{20}{20}$
	Substituting the values
	$P\left(\frac{E_4}{A}\right) = \frac{1}{A} \cdot 1$
	H-20 A-20 A-20 A-20
Light mills	= 20 = 4
	Ans
	GOOD WRITE







