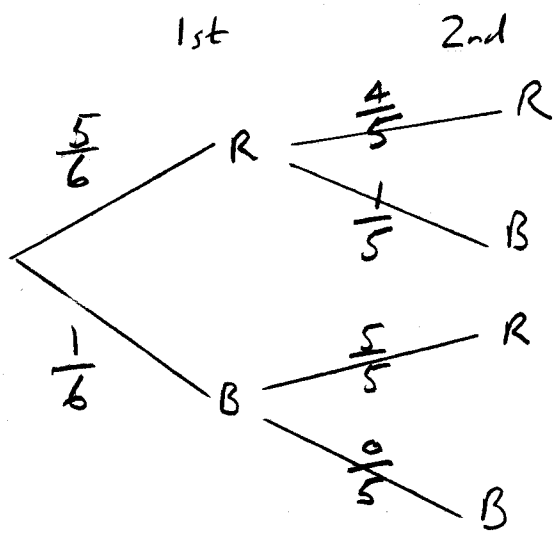
STATS 1 REVISION PROBABILITY (FROM OCR PAPERS)

2) i)

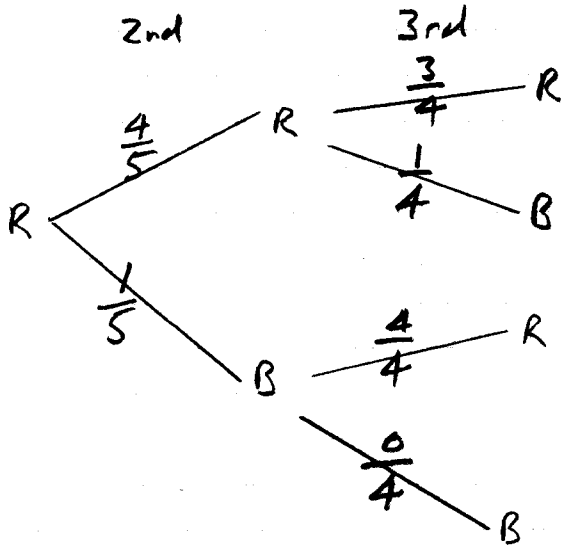


✓ $\frac{5}{6} \times \frac{1}{5} = \frac{5}{30}$

✓ $\frac{1}{6} \times \frac{5}{5} = \frac{5}{30}$

ii) $P(\text{Exactly 1 Red}) = \frac{5}{30} + \frac{5}{30} = \frac{10}{30} = \frac{1}{3}$

iii)



✓ $\frac{4}{5} \times \frac{3}{4} = \frac{12}{20}$

✓ $\frac{1}{5} \times \frac{4}{4} = \frac{4}{20}$

$P(\text{Red 3rd disc} / \text{Red 1st disc}) = \frac{12}{20} + \frac{4}{20} = \frac{16}{20} = \frac{4}{5}$