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02405 Probability
2004-5-16
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Question a) The probability in question is (page 81)

$$P(O_{90})$$

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We evaluate this probability by approximation

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$$P(O_{90}) \simeq \Phi \left(\frac{90 - 200 \cdot 0.45}{\sqrt{200 \cdot 0.45 \cdot 0.55}} \right)$$

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