

# **Exercise 2**

Module 8 - Security Management

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November 26, 2017

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## 1 Two classes of breach Probability Functions

$$S^I(z, v) = \frac{v}{(\alpha \cdot z + 1)^\beta} \quad (1)$$

$$S^{II}(z, v) = v^{\alpha \cdot z + 1} \quad (2)$$

## 2 $S^I(\mathbf{z}, \mathbf{v})$ with $\alpha = 1$

$$S^I(z, v) \text{ with } \alpha = 1 \quad (3)$$