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Introduction to reliability (Portsmouth Business School, April 2012)  
 $12. = 0.067 \times 0.075 = 0.005025$ . For the OR gate we add the probabilities to get the probability of the top event: Prob (Loss of electric power) = Prob (Loss of a.c. power) + Prob (Loss of d..c power) =  $0.005025 + 0.005 = 0.010025$ .

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defined as the ability of a product to perform, as expected, over certain time. ?Formally defined as the probability that an item, a product, piece of equipment, or system will perform its intended function for a stated period of time under specified operating conditions.

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The outline of the chapter is as follows: Section 4.1 defines basic concepts of reliability, like functions, failures, and failure modes and effects. Section 4.2 introduces reliability measures and lifetime models with focus on the exponential and Weibull models.

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management strategy. You'll discover the tools necessary to develop, implement, and sustain best in class maintenance and reliability programs. You'll learn the foundational elements your organisation needs in order to reduce reactive maintenance, downtime and maintenance costs with proven reliability methods.

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During this webinar, we will do an introduction to the theory of Reliability Engineering with an overview of the basics and knowledge of the processes, methods, and tools available to achieve high reliability in product design. ReliaSoft tools will be used to demonstrate practical application examples. Originally presented on May 21, 2019

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