Assignment 7—Chapters 12 & 19

CptS 425/580—Network Security
Assigned: 15 April 2009
Due: 22 April 2009, 4:15 PM

Explain and/or justify all of your answers. Short answers are sufficient, but one-word (e.g., 'yes', 'no') answers will not receive full credit. State any assumptions that you make. Turn in a printout of your assignment and also email an electronic copy to the instructor.

Chapter 12

25 Pts. List and define the eight design principles covered in Chapter 12.
15 Pts. Question 12.7.

Chapter 19

15 Pts. List and define the three major types of malicious logic.
10 Pts. Present an argument for the statement that Trojan horses are worse than viruses.
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25 Pts. Compare and contrast Thompson's compiler and the Soviet gas pipeline explosion incident from a malware perspective. (Give at least two similarities and two differences).