LISTA - 4 JORDAN LUCAS

1) = 0,9 . 0,9 . 0,9 = 0,729

LETRA B

2) $R_S = 0,95^{11} + 0,99^{4} = 0,816387$

3) 1 - (1 - 0,5) (1 - 0,5) (1 - 0,5) (1 - 0,5) (1 - 0,5)

$R_S = 0,96875$

4) $R_S^2 = e^{-\lambda t}(1 + \lambda t) = e^{-0,614}(1 + 0,614)$

$R_S^2 = 0,87346$

5) $R_S = 1 - (1 - 0,9 . 0,8) . (1 - 0,9)$

LETRA C

6) $R_S = [1 - (1 - R^m)^m] \cdot [1 - (1 - R^n)^m]$

$R_S = [1 - (1 - 0,78)^3]^2 = 0,8835$

7) = (0,75 . 0,3976)
x [1 - (1 - 0,95 . 0,85) . 0)
x (0,62 . 0,7))

= 1 - [(1 - 0,6732) . 0. (1 - 0,47)
= 1 //

8) $R_S(3,5,R)$:

$10R^3(1-R)^2 + 5R^4(1-R) + R^5$

$10R^3(1-2R+R^2) + 5R^4 - 5R^5 + R^5$

$10R^3 - 20R^4 + 10R^5 + 5R^4 - 5R^5 + R^5$

$R_S = 10R^3 - 15R^4 + 6R^5 = 0,985684$

9) $R_S(5,7,R) =$

$21R^5(1-R)^2 + 7R^6(1-R)^1 + R^7$

$= 21R^5 - 42R^6 + 21R^7 + 7R^6 - 7R^7 + R^7$

$R_S = 21R^5 - 35R^6 + 15R^7 = 0,756408691$

$\overline{R}_S = 1 - 0,756408691 = 0,243591309$

10) $= R_S = 1 - (1-R^n)^m = 1 - (1-0,9^2)^3$

$R_S = 0,993141$

11) $R_S = [1 - (1 - R)^m]^n =$

$R_S = [1 - (1 - 0,85)^3]^2 = 0,993261139$