



```
Var(Xn) = \frac{1}{16}(1.64 + 1.64 + 1.64 + 1.64 + 2(0.8) + 2(0.8))
            = 0,61
c) Repeat (b) when 0 = -0,8 and compare your answer with
  the result obtained in (b).
 For 0,8 the autocovariance
      \chi(0) = 1 (1 + (-0.8)^2)
            = 1,64
      8(2) = 1. (-0,8)
          = -0,8
      8(h) = 0 for h = 0 and h = 2
The mean
     E(Xt) = E(Zt - 0,8 Zt-2)
            = E(Zt) - 0,8 E(Zt-2)
 The variance
     Var (Xt) = Y(0) = Var (Zt - 0,8 Zt-2)
             = 1 + (-0.8)^2
                1,64
The mean of Xn
    E(X_1) = \frac{1}{4}(E(X_1) + E(X_2) + E(X_3) + E(X_4))
             = 0
```

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The	Van			=	1	6	Xn (lar	(X1)) +	Va	ar	(X,	2)	+	Va	r(X ₃)+	Va	r(,	X4)	
all		1 2	MA	=	1	-6	(1,	64	+	1,6	14	+1	,60	1 +	1,6	34)					7.0		7.	
				11	C),	4	1						(J)		77		-3	773	1	0	7	10	37	