## PROBLEMA GUIAT #7

a) 
$$A_{ig}X_{i}X_{j} = \sum_{i=1}^{2} \sum_{g=1}^{2} A_{ig}X_{i}X_{g} = A_{nn}X_{n}X_{n} + A_{n2}X_{n}X_{2} + A_{2n}X_{2n}X_{n} + A_{2n}X_{2n}X_{n} + A_{2n}X_{2n}X_{n} + A_{2n}X_{n}X_{n} +$$

b) cost antisimétrica

=  $A_{11}X_{1}X_{1} + A_{12}X_{1}X_{2} + A_{21}X_{2}X_{1} + A_{22}X_{2}X_{2}$ Loador que  $A_{12} = -A_{21}$ , los dos términos del centro de anulam, por otro lodor si  $A_{ij} = -A_{ji}$ , pare el casor i=j de un valor nulor, i  $A_{m} = -A_{m} = 0$  $A_{21} = -A_{m} = 0$