Problem Set 1

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1. Does the group
   1. has a group of order 3?
      * Yes. , is a subset of and is a group since:
      * G1. ;
      * G2. ;
      * ex. $$  
         \begin{aligned}  
         AR(p): Y\_i &= c + \epsilon\_i + \phi\_i Y\_{i-1} \dots \\  
         Y\_{i} &= c + \phi\_i Y\_{i-1} \dots  
         \end{aligned}  
         $$