



Chapel Hill Math Circle

**Beginners' Group**

## **In the Land of Patterns, Part 2**

October 22, 2016

1. A man put a pair of rabbits in an enclosed area. How many pairs of rabbits can be produced from that pair in a year if every month each pair begets a new pair, which becomes productive on the second month?<sup>1</sup>

2. Use the space below for the activity with pinecones.

3. Use the space below for the activity with a pineapple.

---

<sup>1</sup> Quidam posuit unum par cuniculorum in quodam loco, qui erat undique pariete circumdatus, ut sciret, quot ex eo paria germinarentur in uno anno: cum natura eorum sit per singulum mensem aliud par germinare; et in secundo mense ab eorum natiuitate germinant.