



- In sheep talk the only letters used are B and A. Sequences of words are formed as follows:
- The first word only contains the single letter A.
- To get the next word in the sequence change each A in the previous word into B and each B in the previous word into AB.
- Write down the first ten words in this sequence. Here are the first 4 words to get you started.
 - A
 - B
 - AB
 - BAB
- Count the number of A's in each word in the sequence.
- Then count the number of B's in each word in the sequence.
- Finally count the number of letters in each word in the sequence.
- You now have three sequences of numbers.
 - What do you notice?
 - Will the same patterns continue if you generate longer sequences of words?