Bennett, Burton and Nelson: Puzzler §5.2

 After a cake has been cut into three equal pieces, as shown here, a hostess discovers that four people each want an equal share of the cake. How can she make <u>one more</u> <u>straight cut</u> so that each of the FOUR people gets the same amount of cake? Note: The WHOLE cake needs to be eaten.



2. After a cake has been cut into three equal pieces, as shown here, a hostess discovers that FIVE people want to equally share the cake. Can the hostess make 1 more straight cut to do this? If not, what is the least number of additional cuts that she needs to make? Hint: four more cuts are too many!