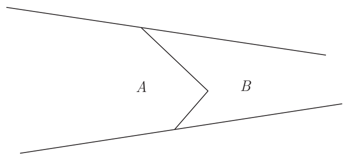
Index of key problems

Since this book is a structured collection of mathematical explorations, it is less encyclopedic than the usual textbook. Though we believe it is important to work through chapters and sections in the order the problems are presented (so that the "story line" is not lost), we realize that there might be compelling reasons to review on one or more of the big picture problems. Therefore, in lieu of an index, we provide here an annotated list of the key problems presented in the text (those labeled Problem).

Some problem statements have been slightly modified in order to provide context.

It will usually be useful to also consider the activities before and after these problems, since the surrounding explorations include essential concepts and strategies for solving—or applications of—the key problems.


A
B

$Pas(n,k)$ denotes entry k in row n of Pascal's Triangle.