1. How do we know that this problem is supposed to be solved by “Dynamic Programming”?
   1. It is because, we have to make a choice, whether to move left, or right.
   2. We have to count the number of ways, not the “path”
2. Brute force
   1. Find all paths and then count them.
   2. To count, we need to know that we haven’t counted it before
   3. How do we know that we haven’t counted it before?
      1. Since we are only moving right and down, we are always moving forward, hence we won’t encounter the same path again, we can’t go in circles.
   4. We can recursively chart all paths – Right and Down