Rna motivation

RNA is made up of strands of four different bases that encode genomic information in specific ways. The bases are elements of the set $B = \{A, C, U, G\}$.

Formally, to define the set of all RNA strands, we need more than roster method or set builder descriptions.

Set recursive definition

New! Recursive Definitions of Sets: The set S (pick a name) is defined by:

Basis Step: Specify finitely many elements of S

Recursive Step: Give rule(s) for creating a new element of S from known values existing in S,

and potentially other values.

The set S then consists of all and only elements that are put in S by finitely many (a nonnegative integer number) of applications of the recursive step after the basis step.

Set recursive examples