

A)

LanguageGrammar


English:



Dick saw Jane help Mary draw pictures

regular

German:



Dick Jane Mary pictures draw help saw

context-free

Dutch:



Dick Jane Mary pictures saw help draw


context-sensitive

B)

BstSFI

restriction site: regular

CGGCCG  
CGGTCG  
CGACCG  
CGATCG



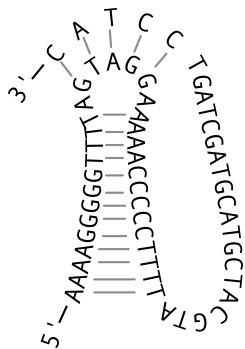
5' - CG [G or A] [C or T] CG - 3'



DNA hairpin: context-free



5' - AAAAGGGGGTTT TAGTAGGAAAAACCCCTTTT - 3'



DNA psuedo-knot: context-sensitive



5' - AAAAGGGGGTTT TAGTAGGAAAAACCCCTTTTGCATGCATCGTACGTAGCTATCCTAC - 3'