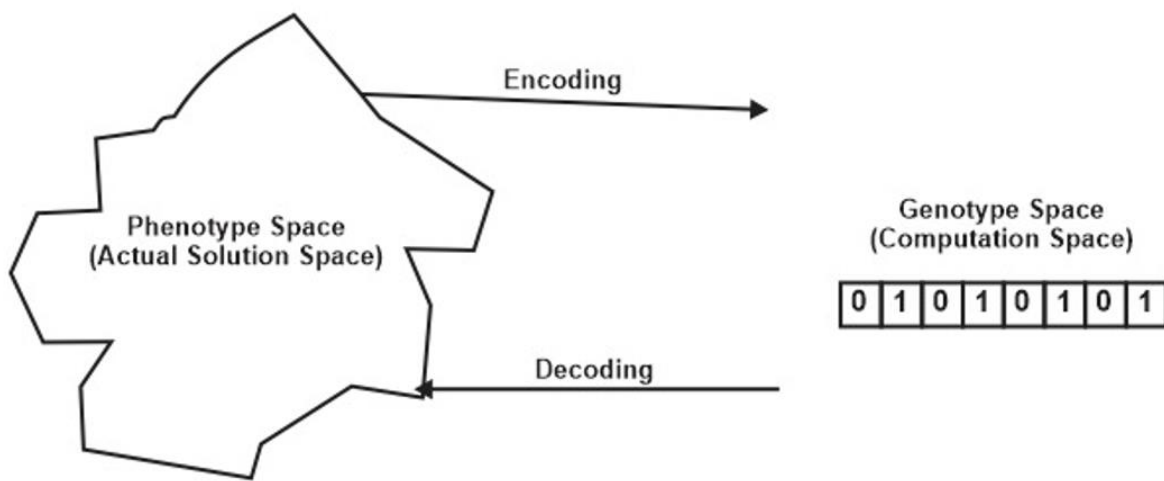
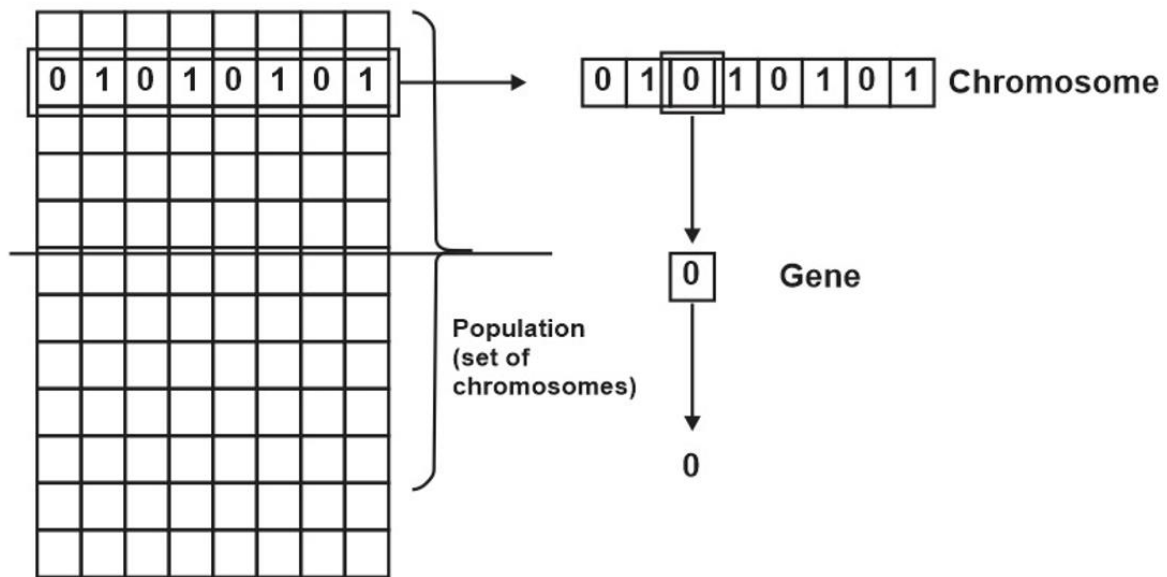
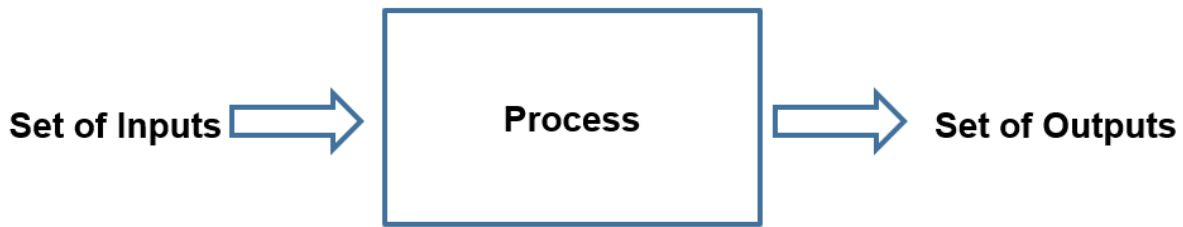
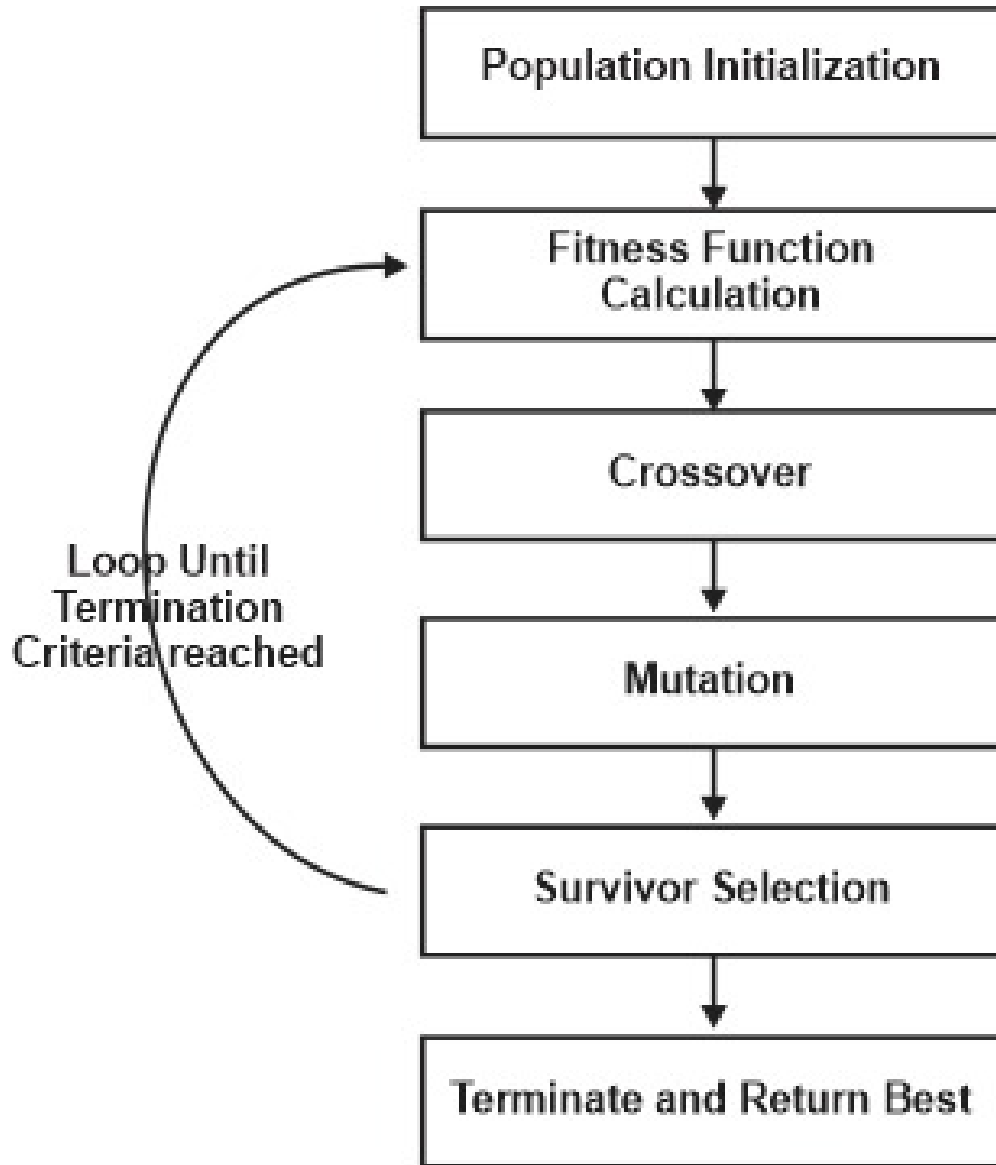


# Genetic Algorithms(GA)

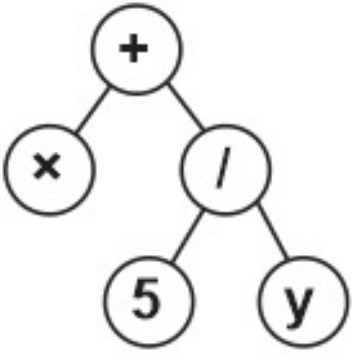

## 7. Genetic Algorithm



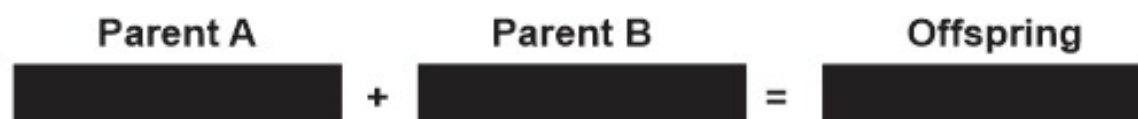


Original Offspring 1	1101111000011110
Original Offspring 2	1101100100110110
Mutated Offspring 1	1100111000011110
Mutated Offspring 2	1101101100110110

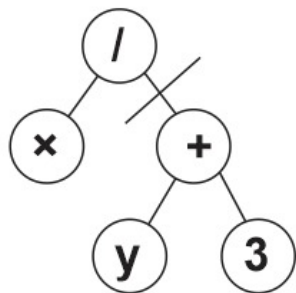


Chromosome A	Chromosome B
 <pre> graph TD     A((+)) --- B((x))     A --- C(/)     C --- D(5)     C --- E(y)             </pre>	 <pre> graph TD     A[do until] --- B[step]     A --- C[wall]             </pre>
$(+ \times (/5 y))$	



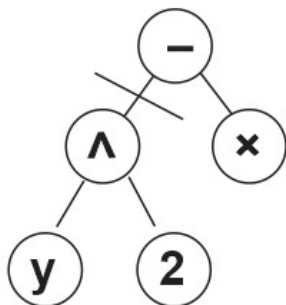


Parent A



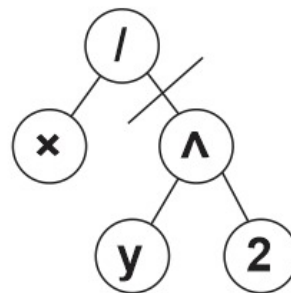
+

Parent B



=

Offspring



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