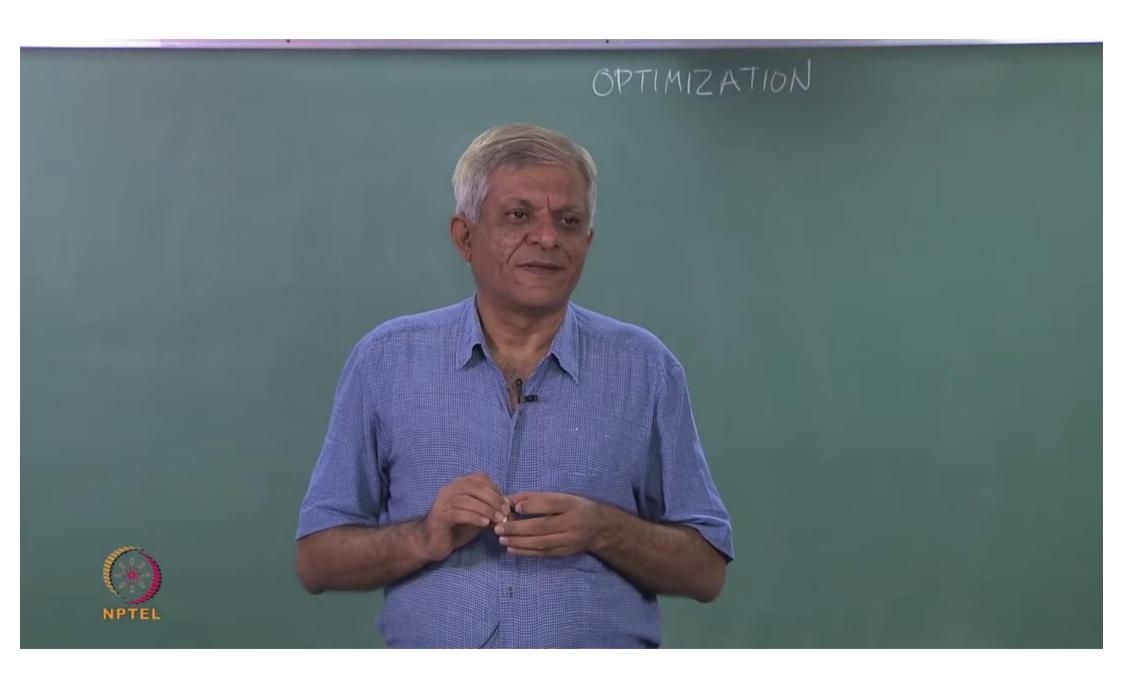
## Video Lectures On Artificial Intelligence

Lecture 15
Optimization II (Genetic Algorthms)

Prof. Deepak Khemani

Department of Computer Science
IIT Madras





## Steve Grand - CREATION

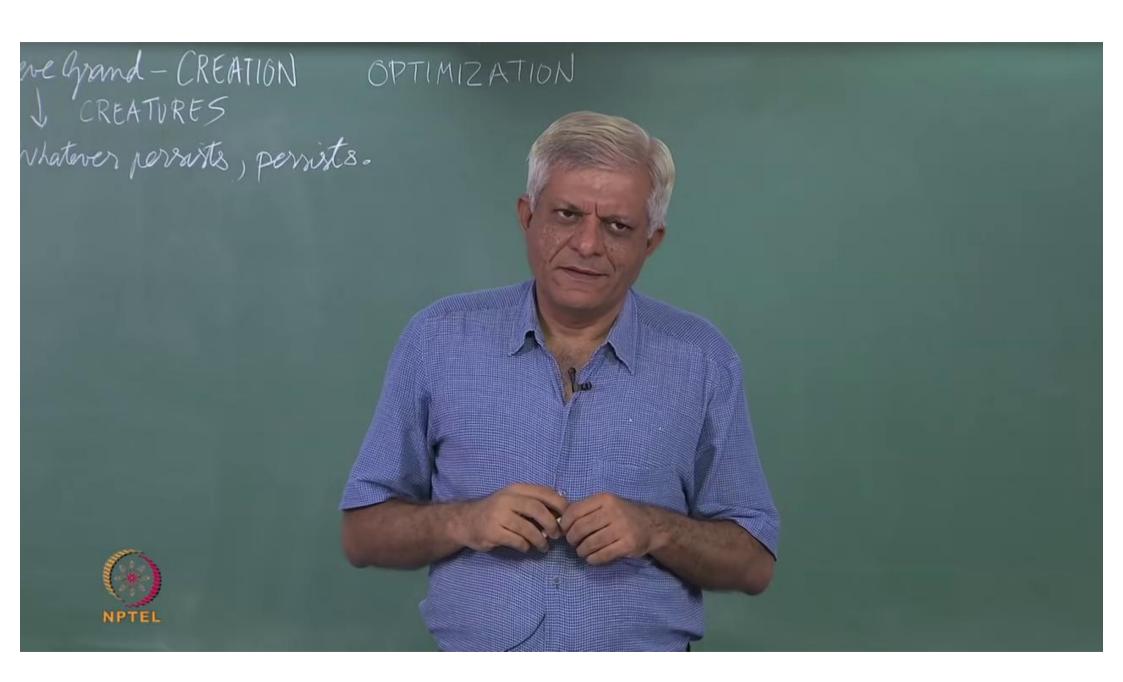


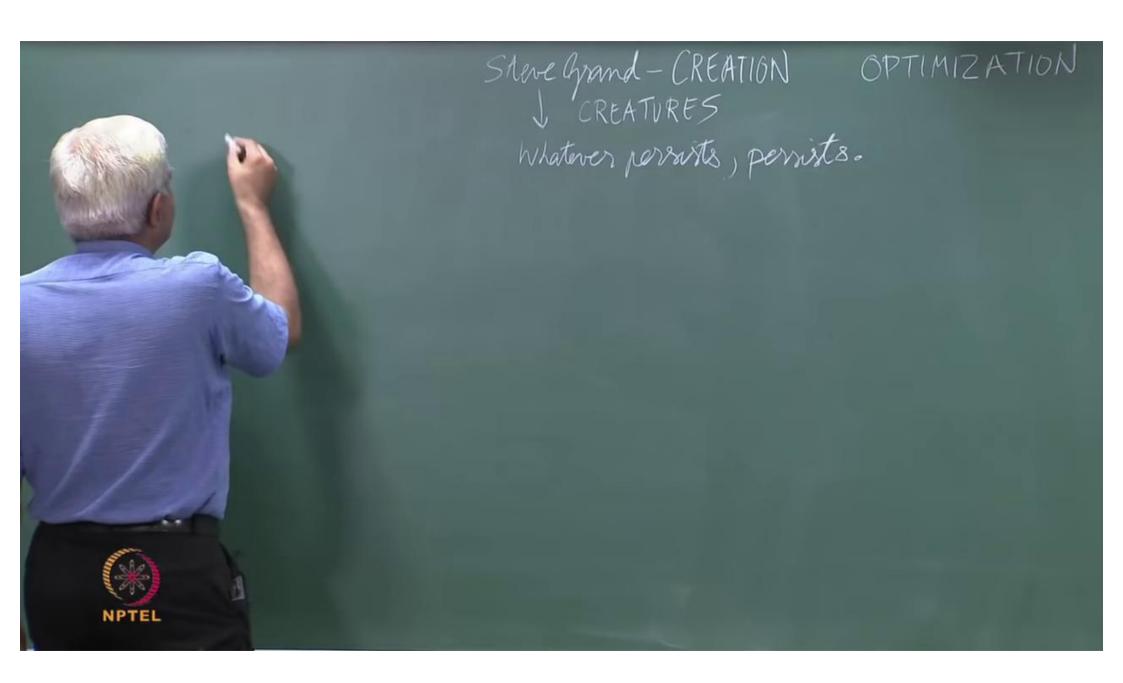
## Steve Grand - CREATION

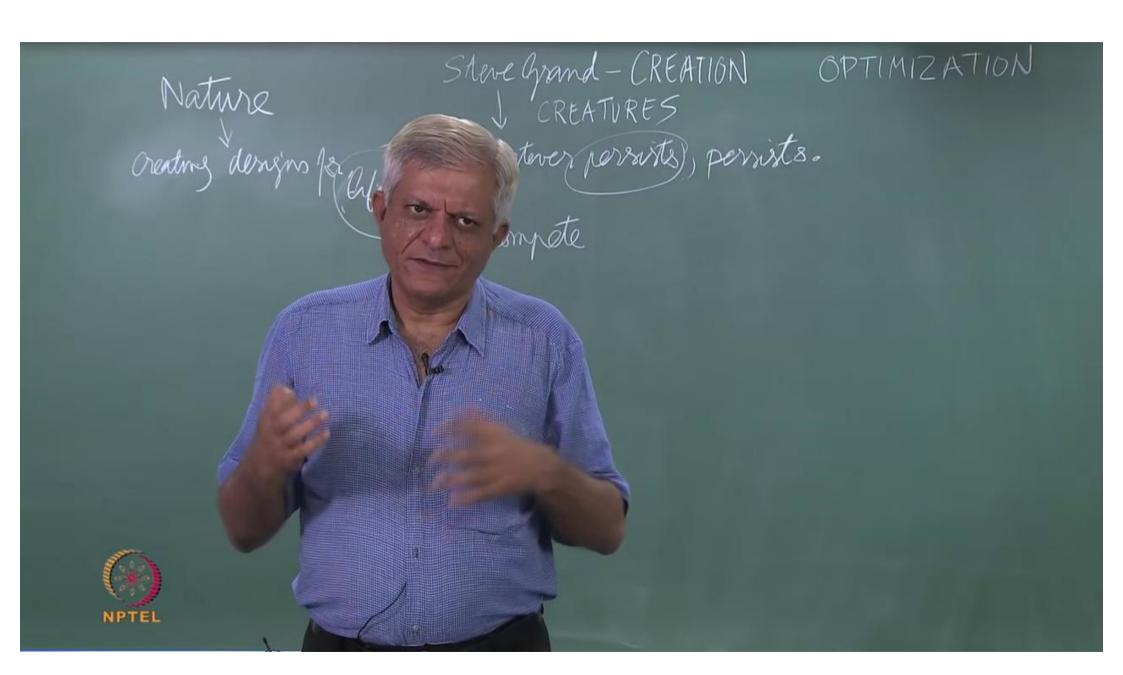


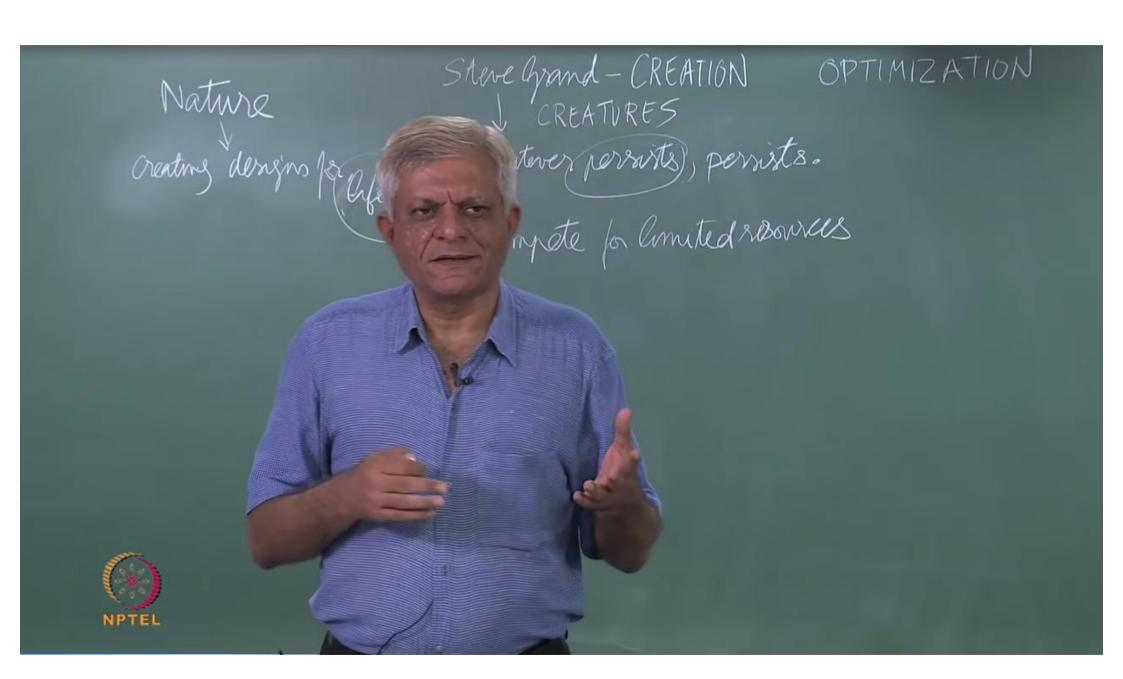
## Shere Grand - CREATION CREATURES











Sheve Grand - CREATION OPTIMIZATION

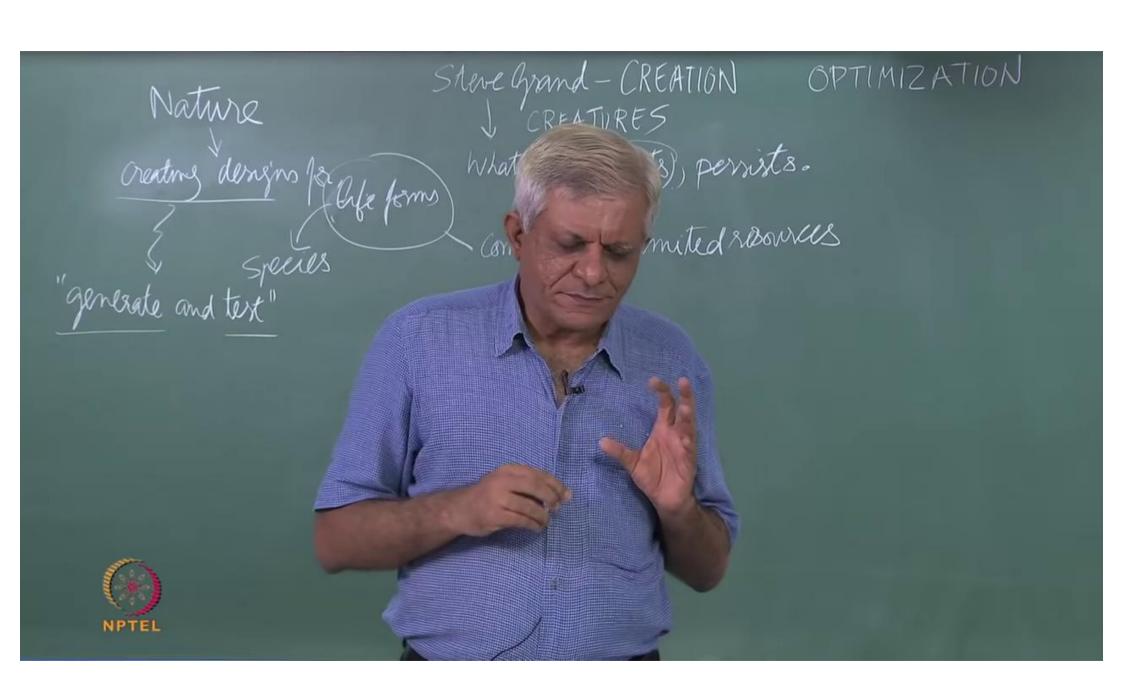
Long densins for Chipe forms

Whatever persons, persons.

Species

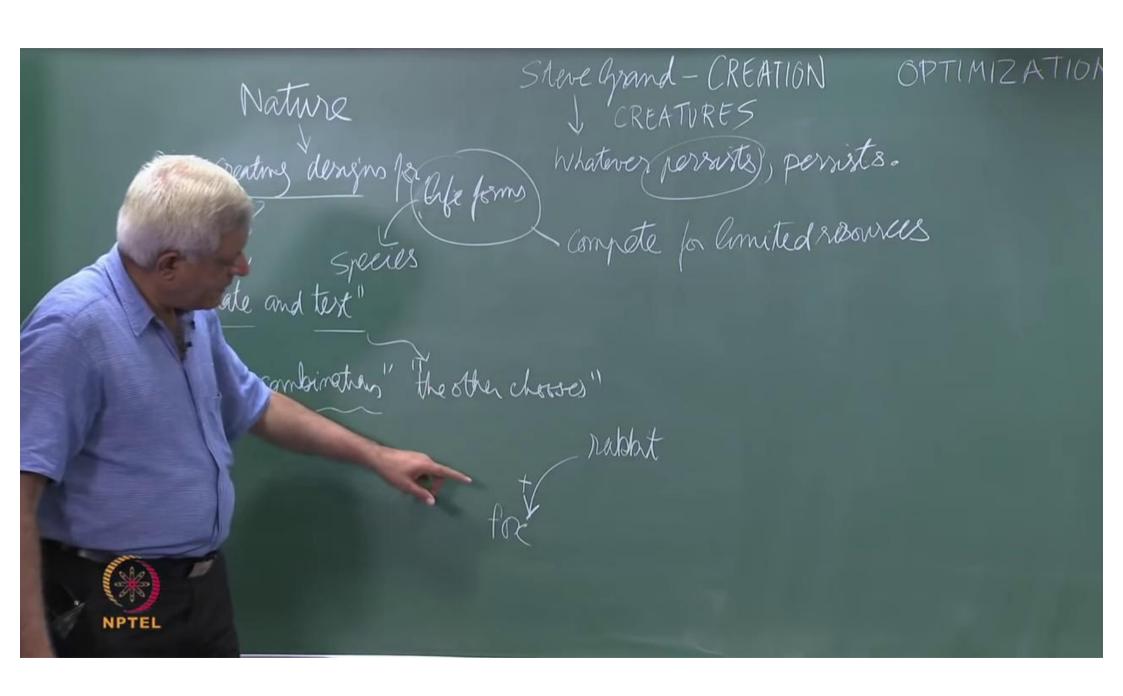
Compute for Comitted resources

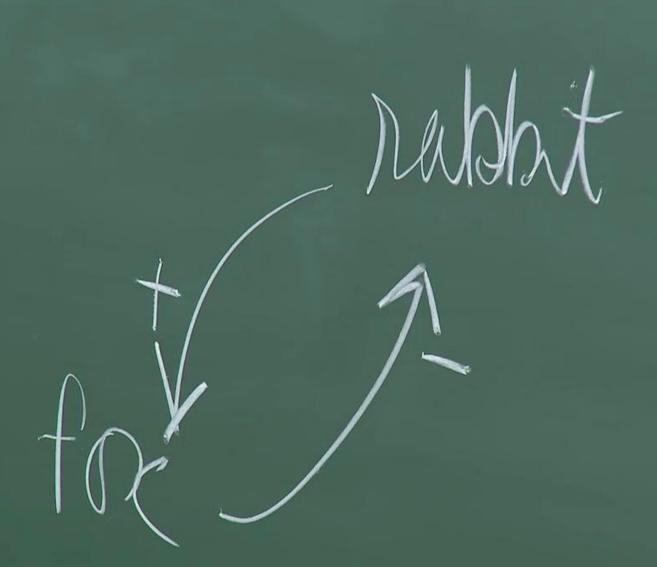




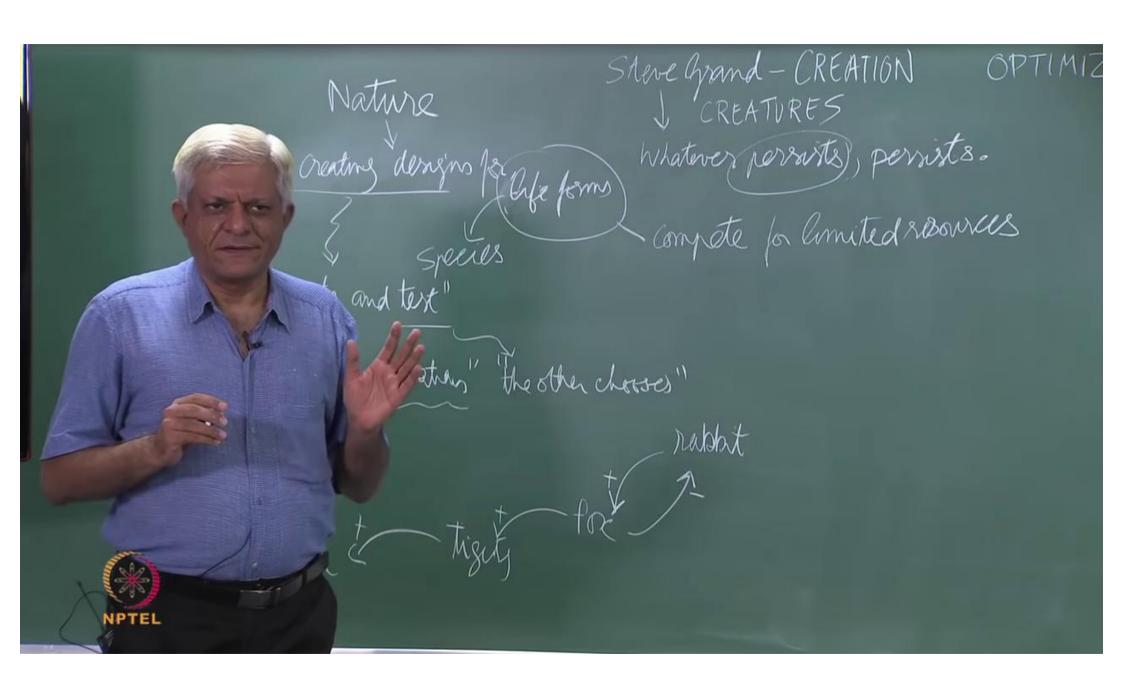
sate and text" me makes up combination! The other chorses!



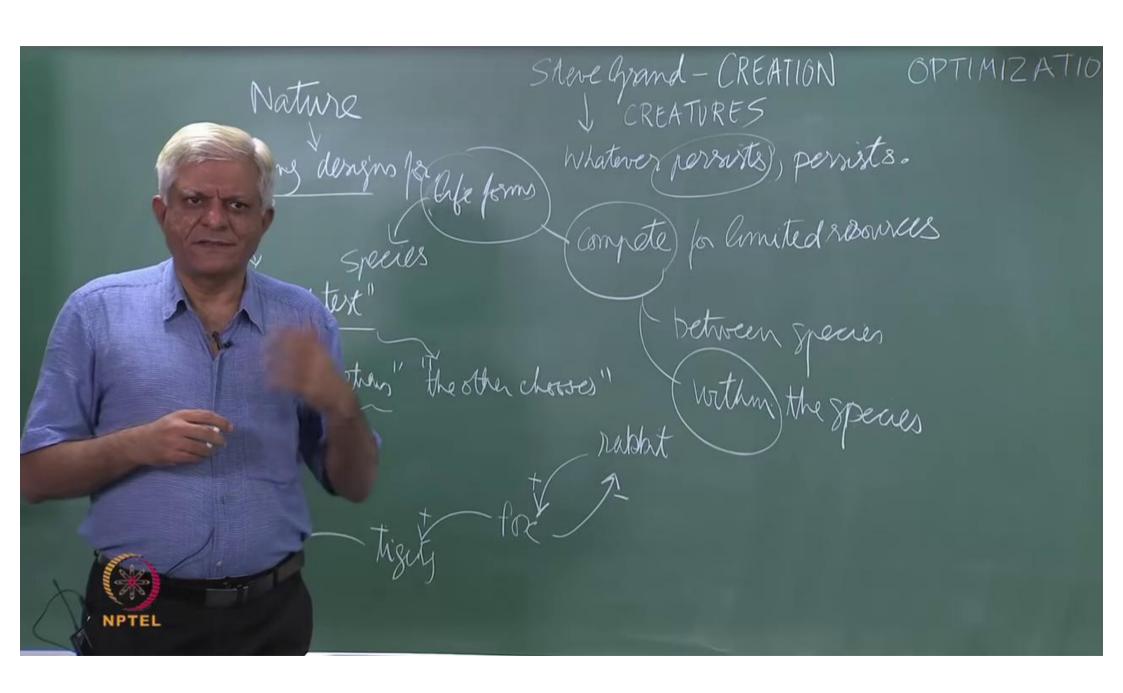


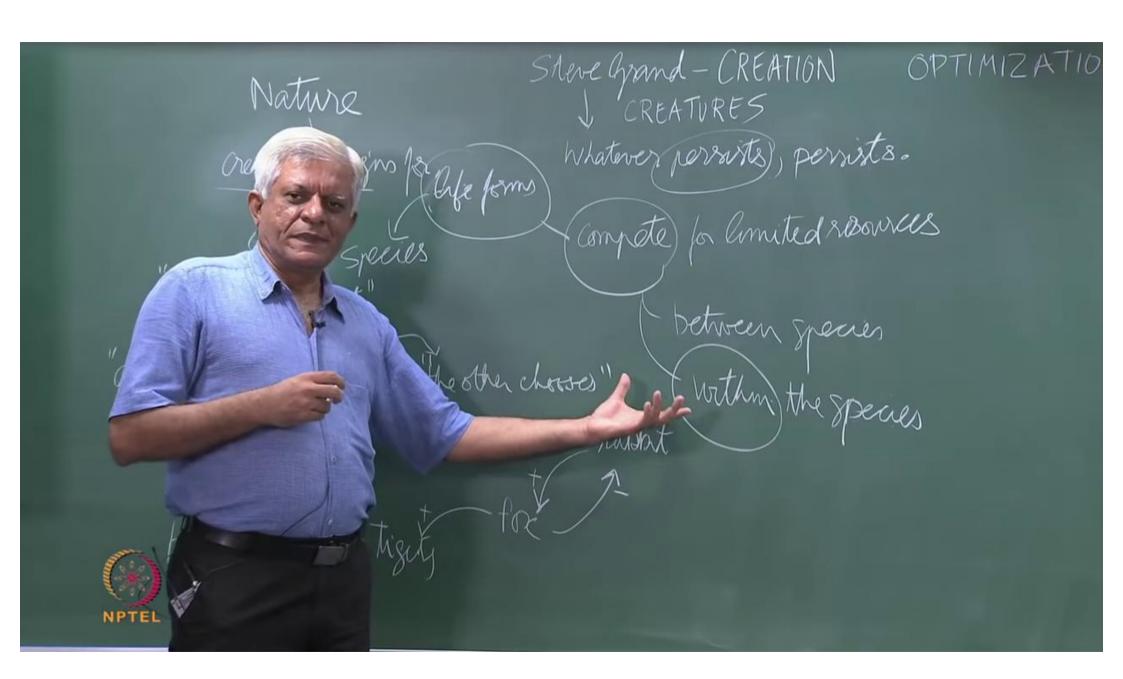


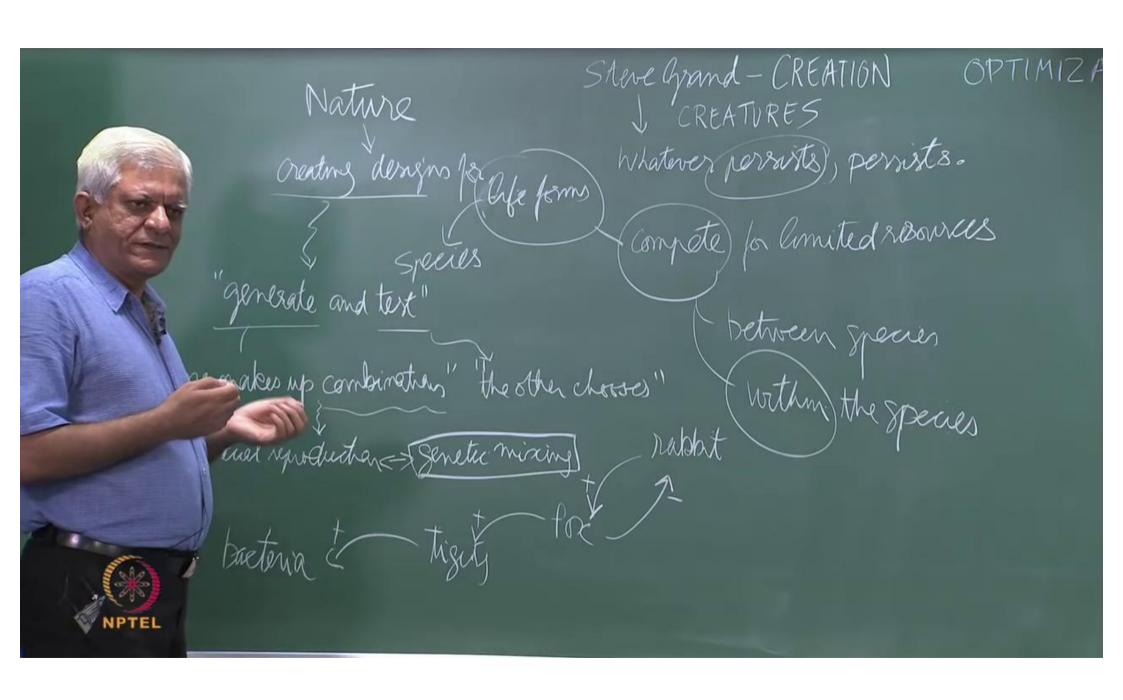


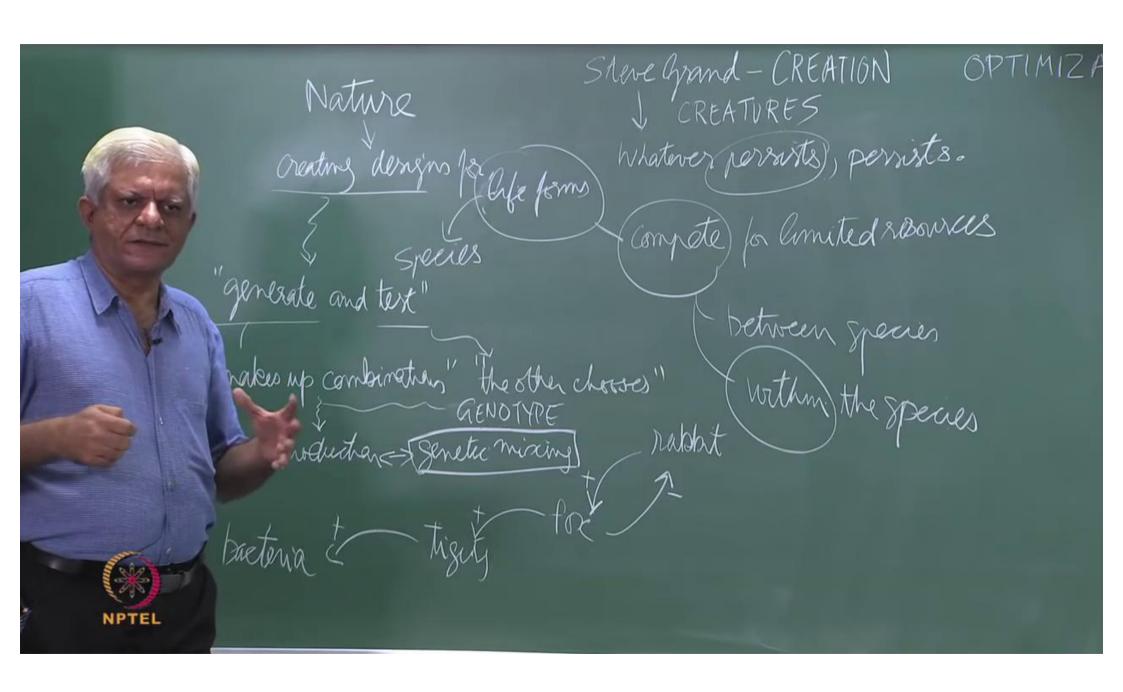




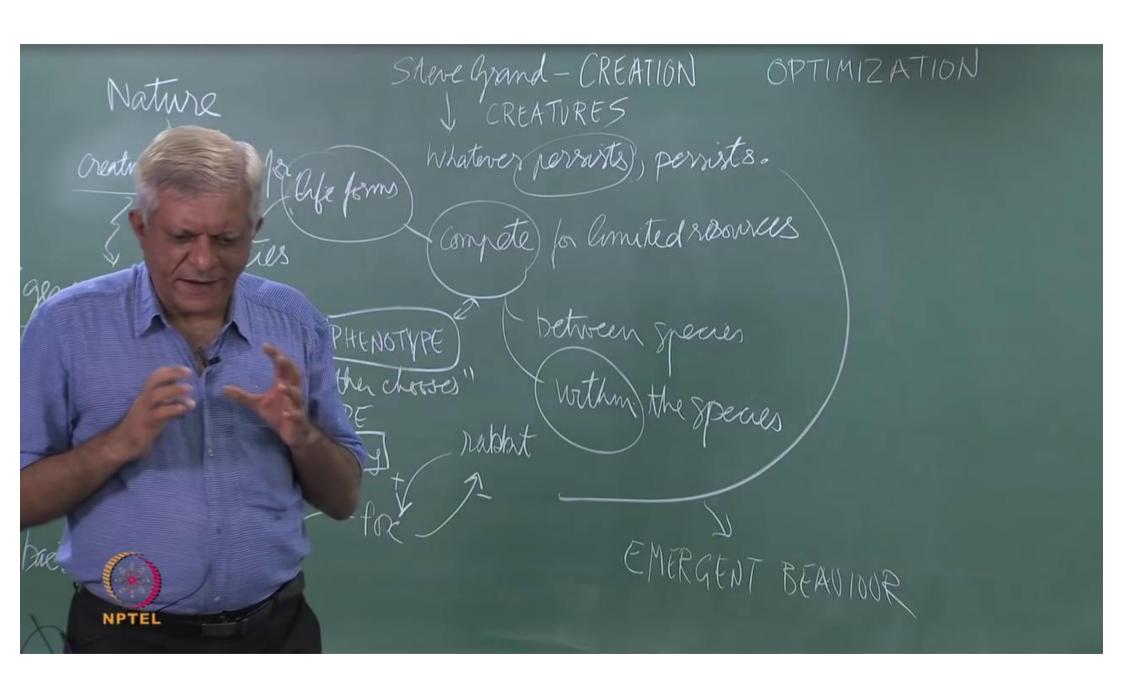


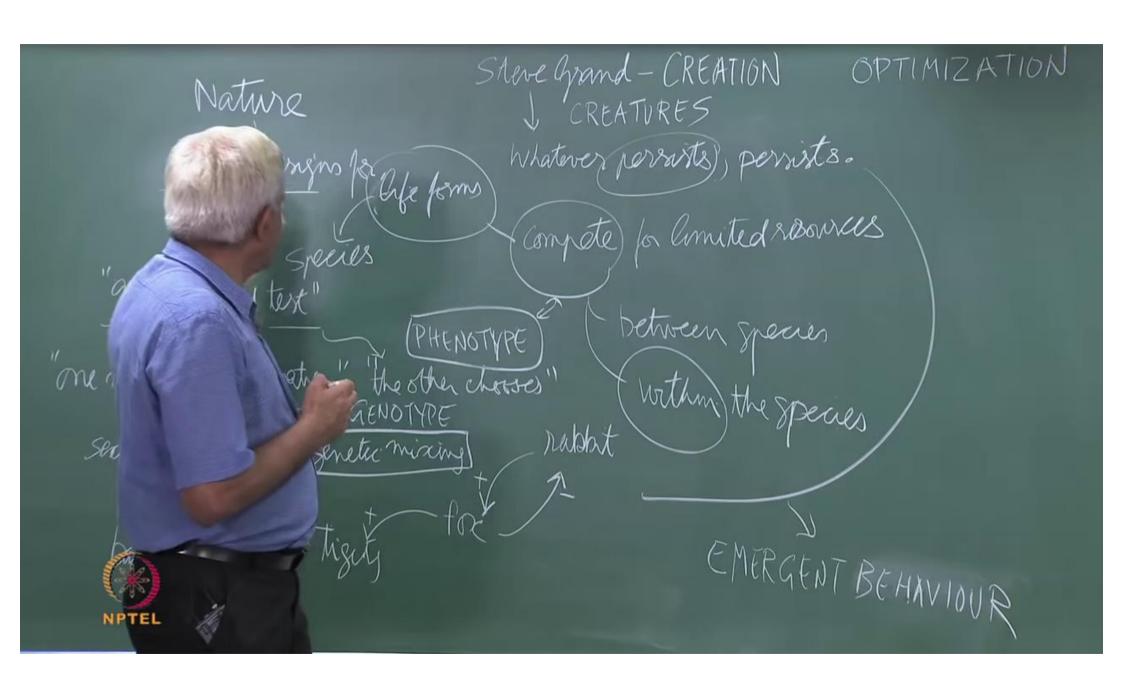




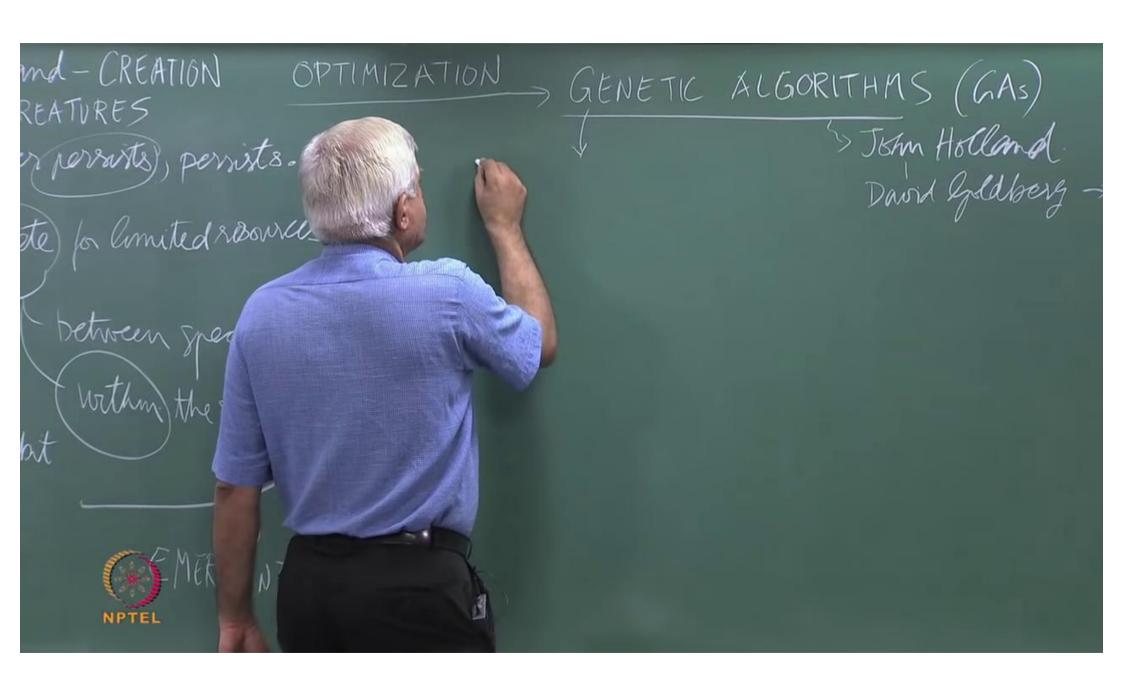


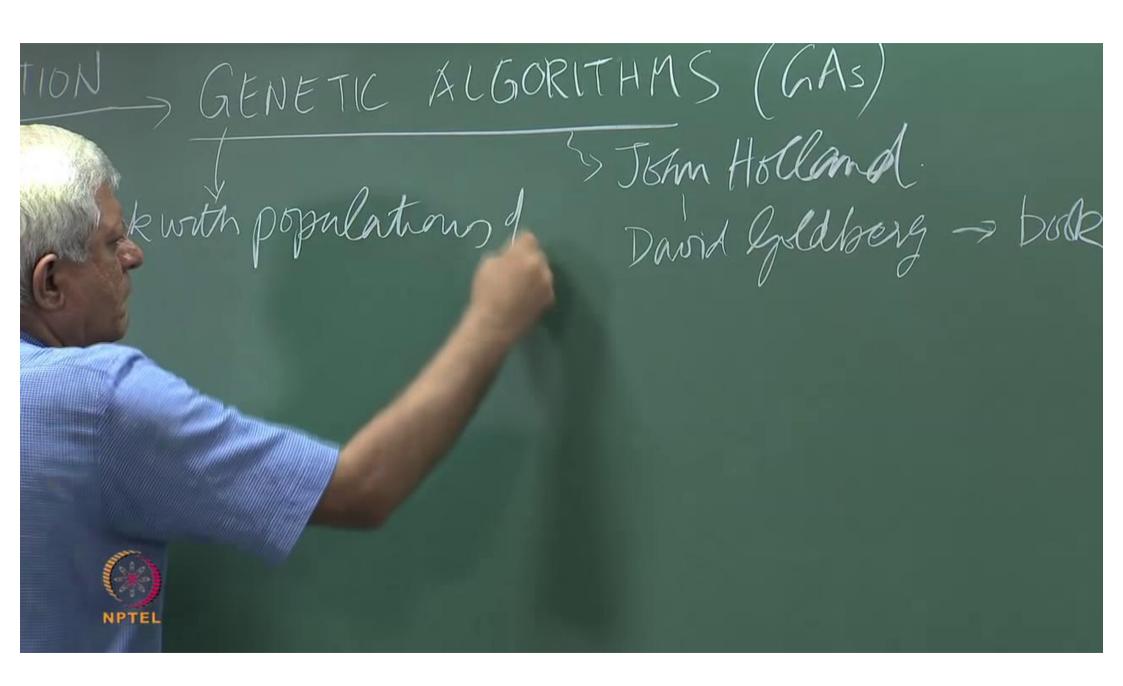












Nockwith populations of David Glaberg - book

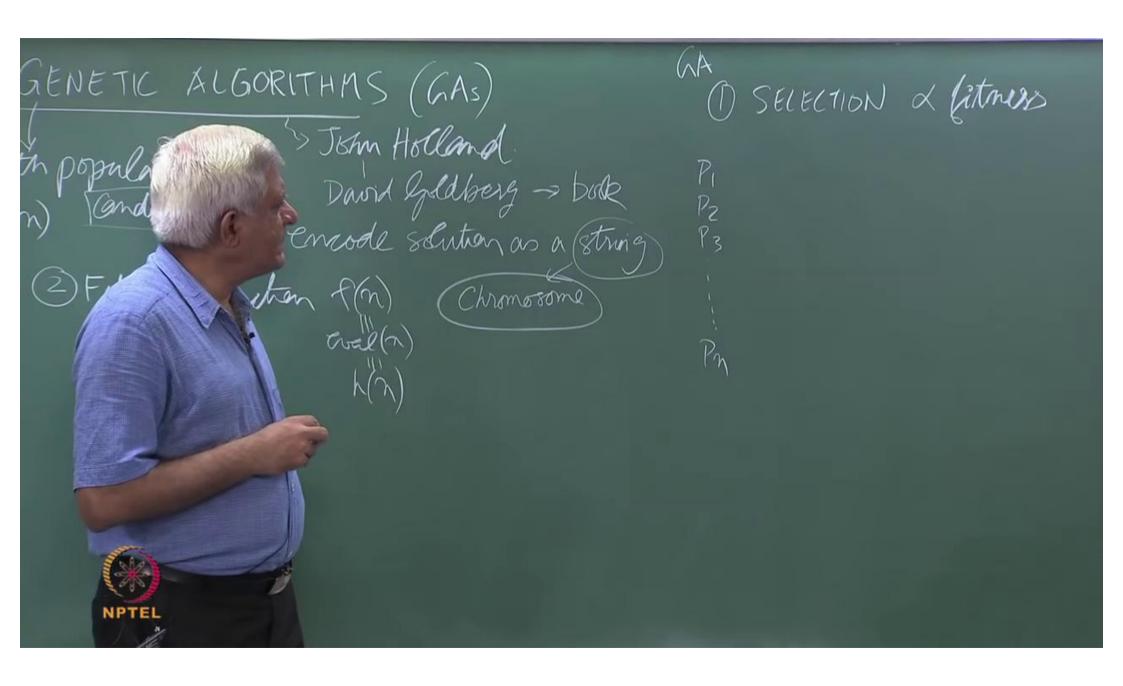


OPTIMIZATION - GENETIC ALGORITHMS (GAS) David Gldberg - book Enrode solution as a string ts. Nork with populate andrede Chromosome NT BEHAVIOUR

> GENETIC ALGORITHMS (GAS) 5 John Holland Nork with populations of andidates David Geldberg - book Enrode solution as a string

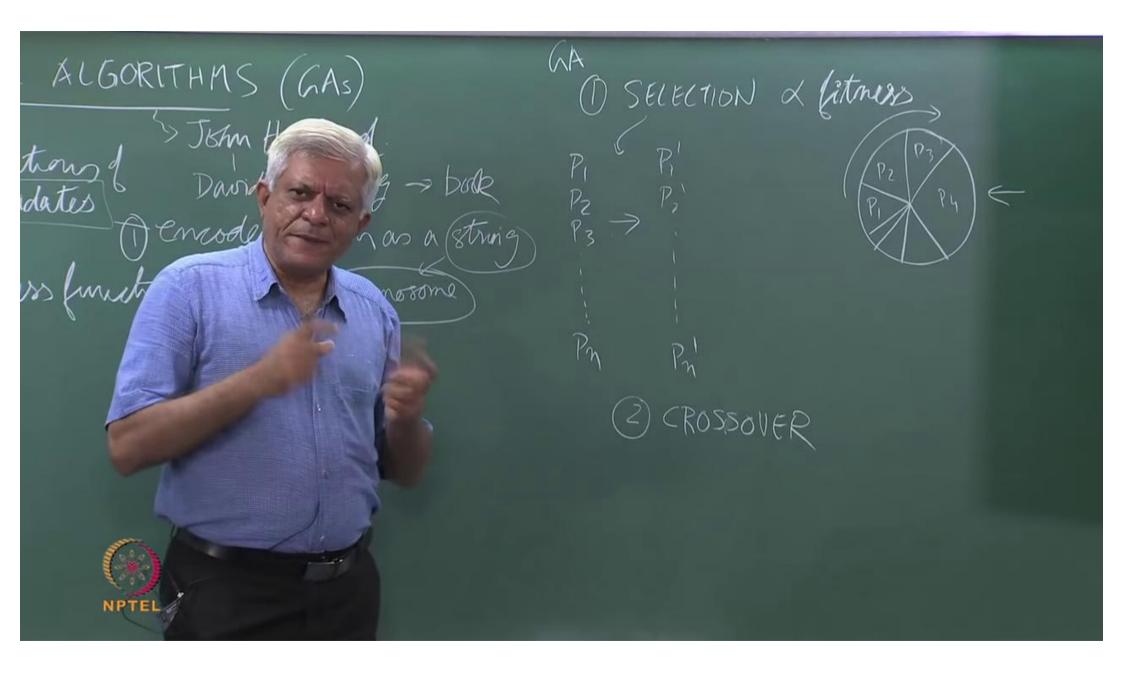


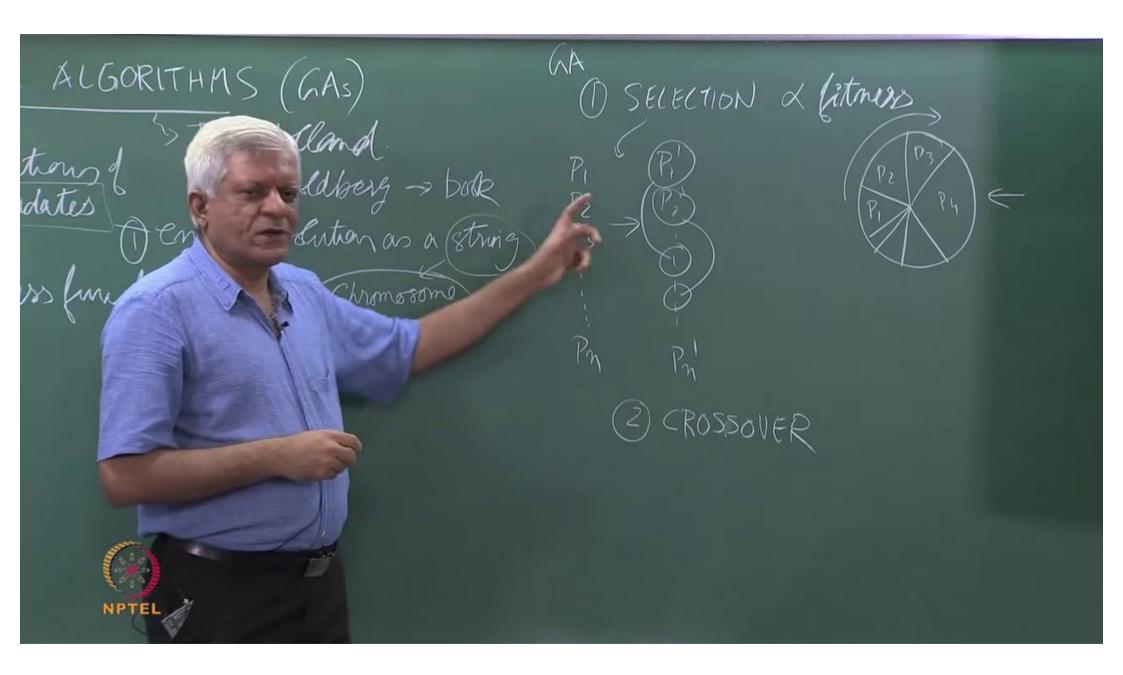
GENETIC ALGORITHMS (GAS) Norkwith populations of David Glaberg - book
P(1)...P(n) andidates ( enrode solution as a string 2) Fitness function f(n) Chromosome

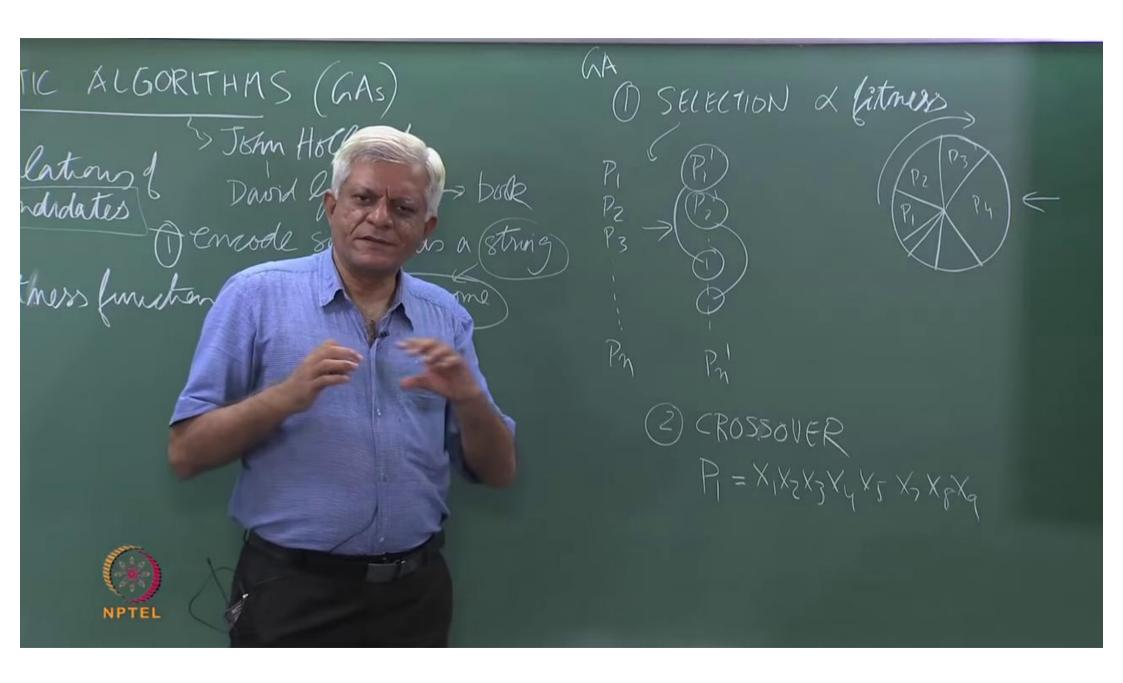


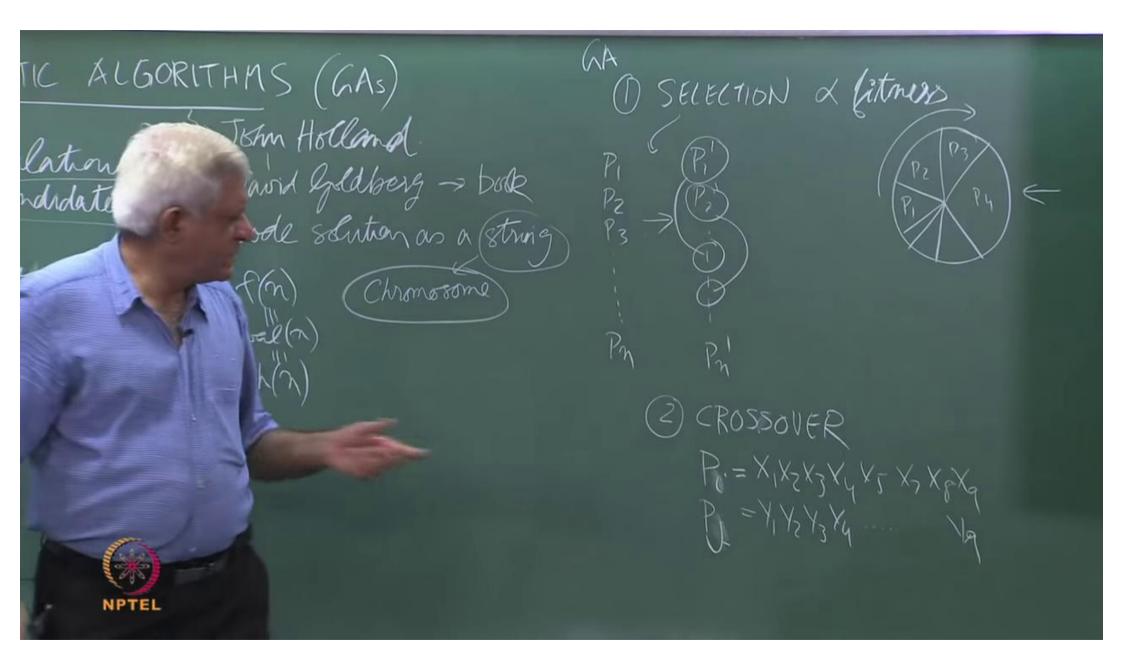
(1) SELECTION & Citmus

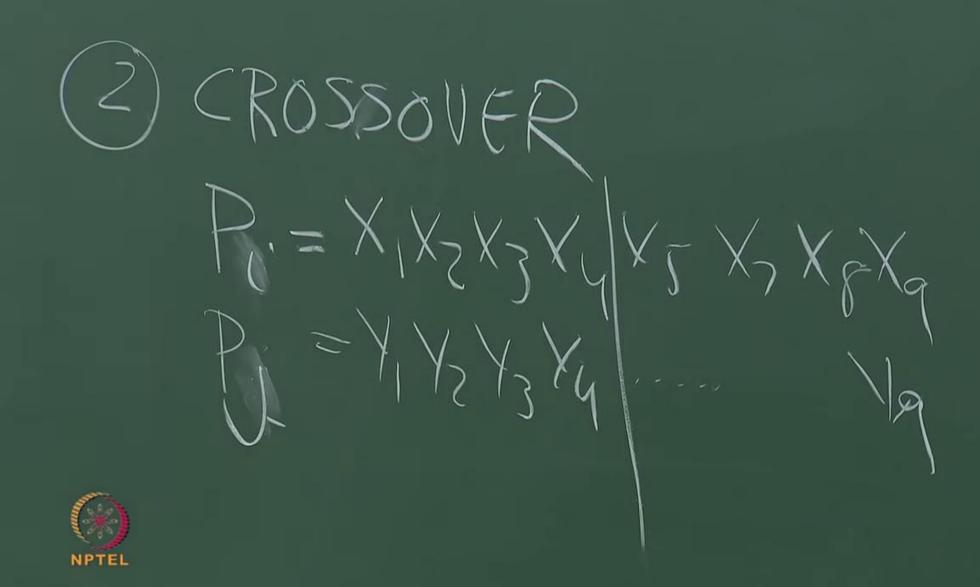
1) SELECTION & Gitmus

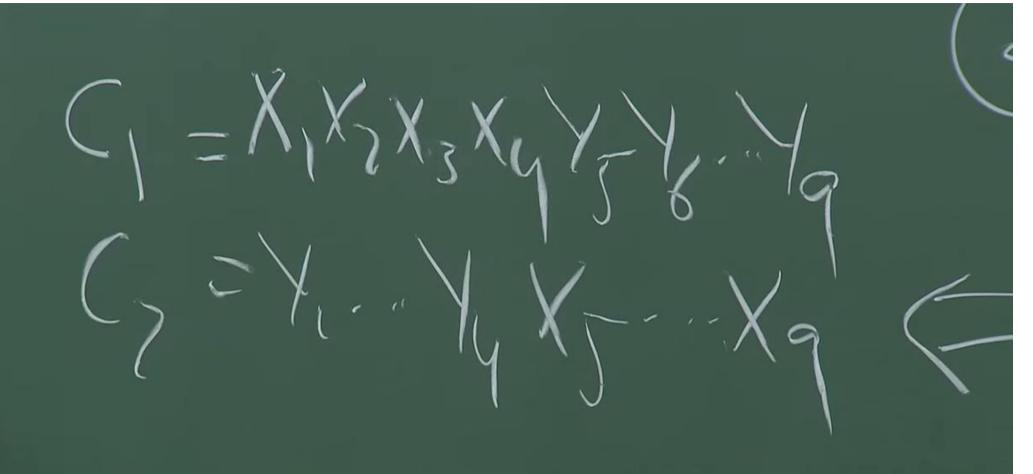




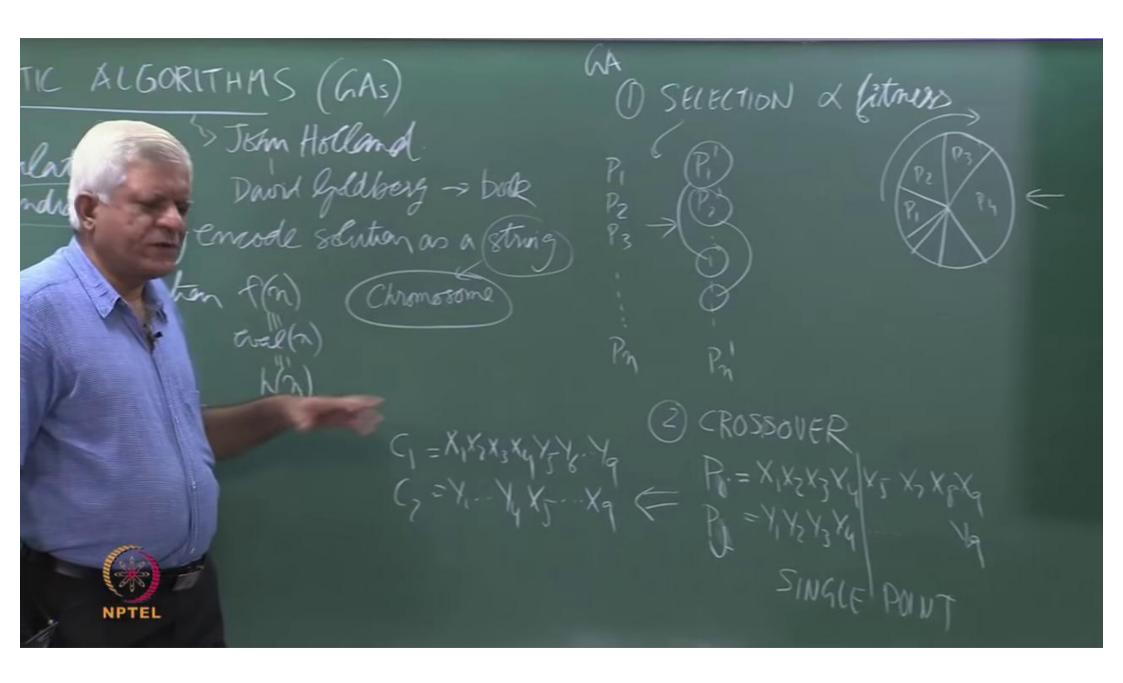






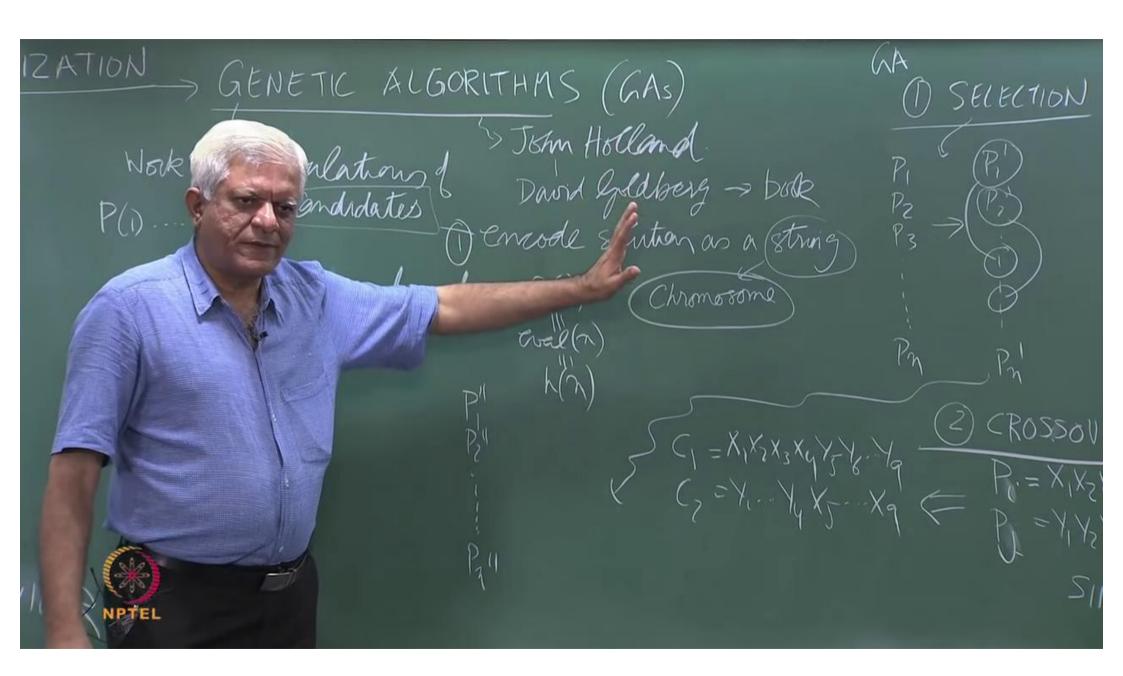


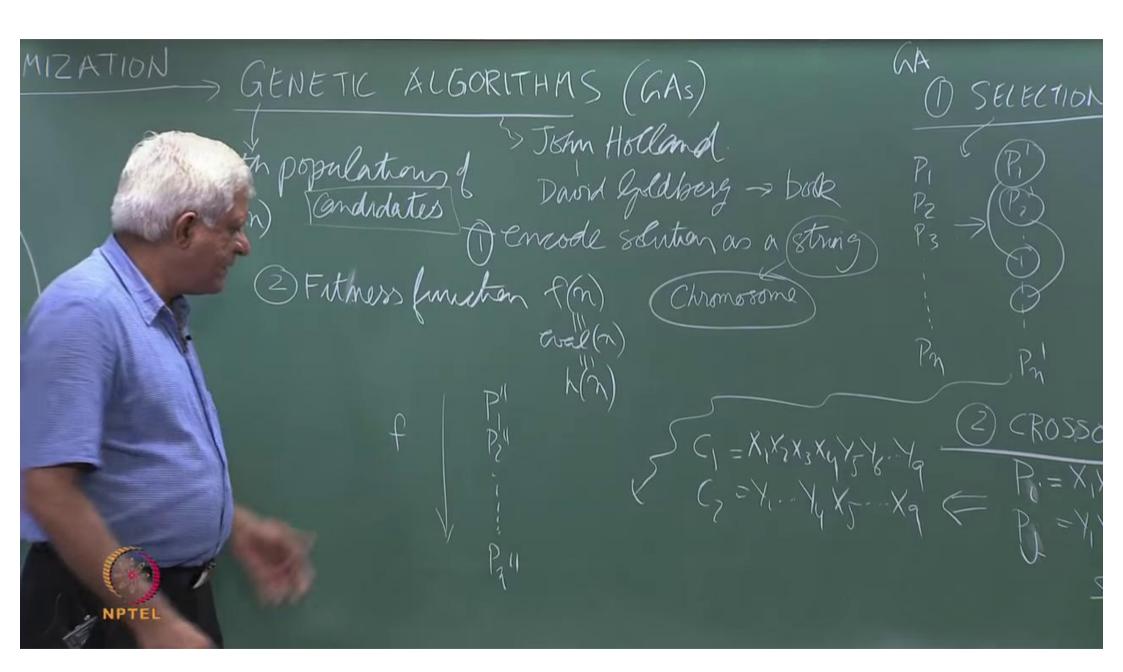


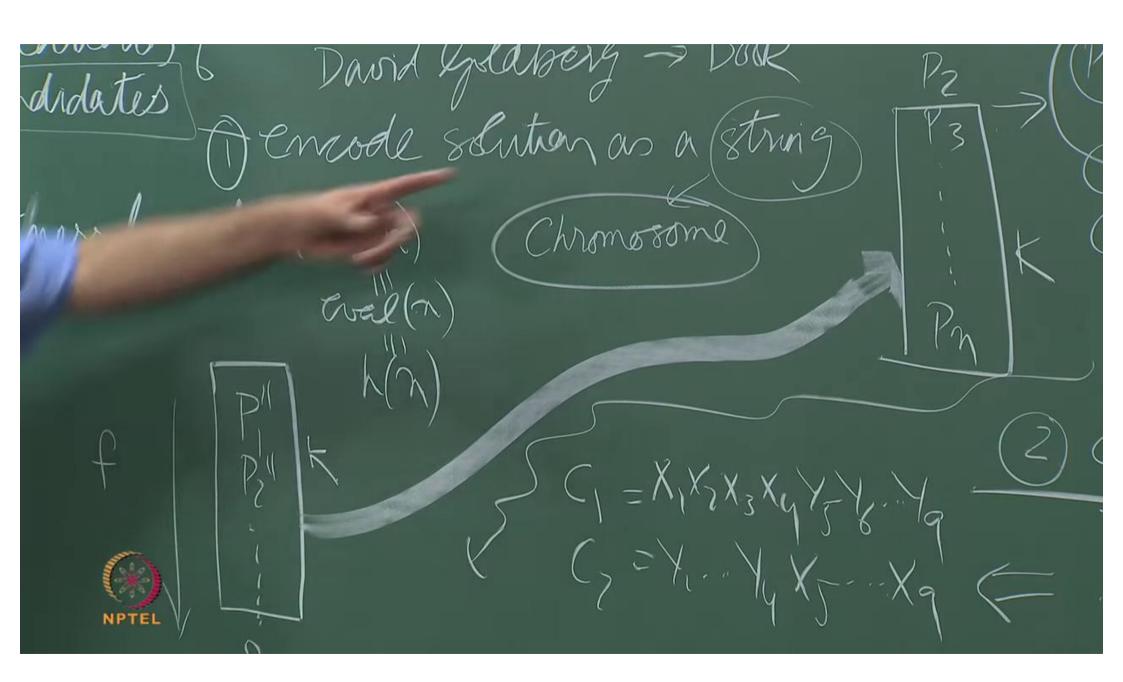


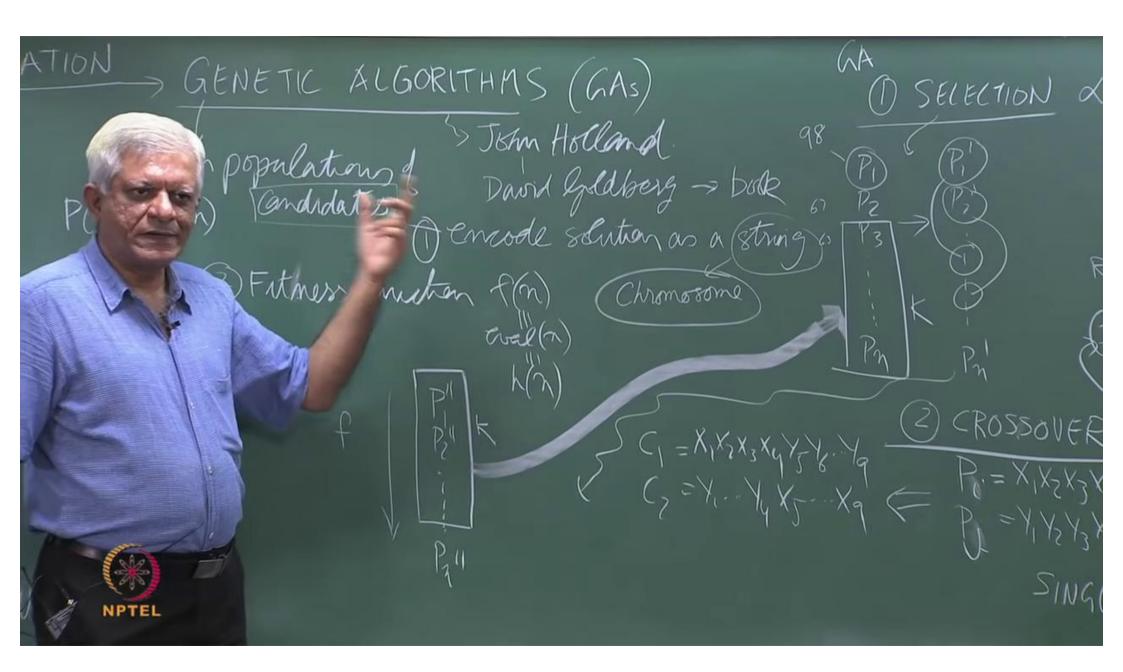
P. = X1X2X3X4 SINGLEIPOINT Raye Random MUTATION

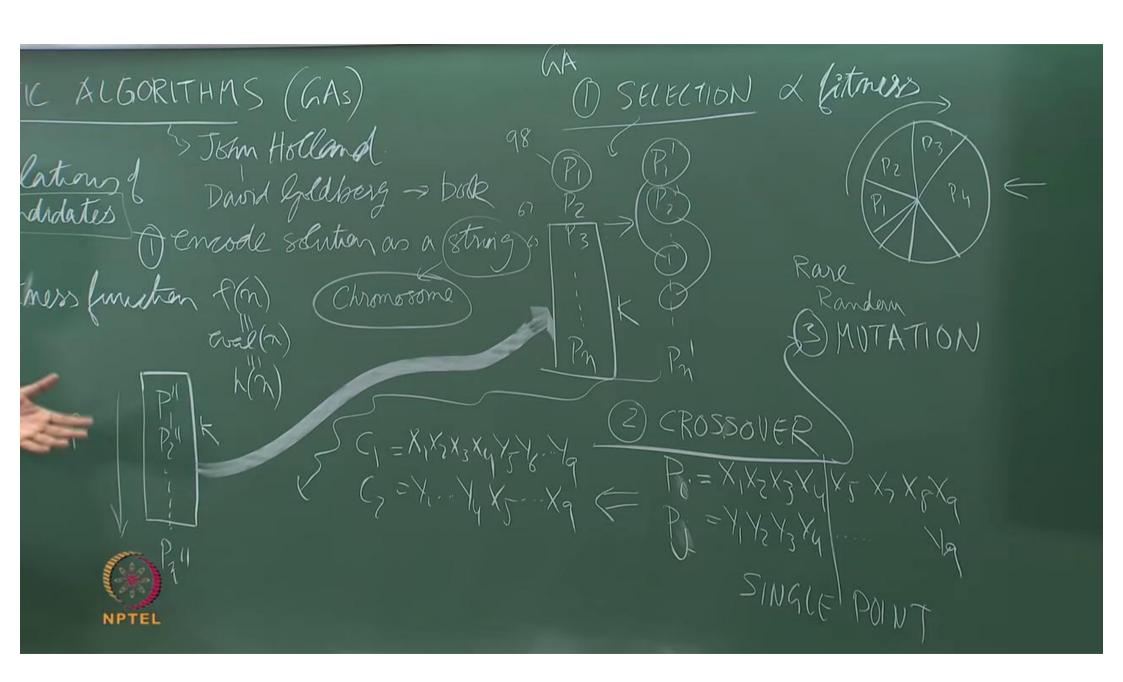


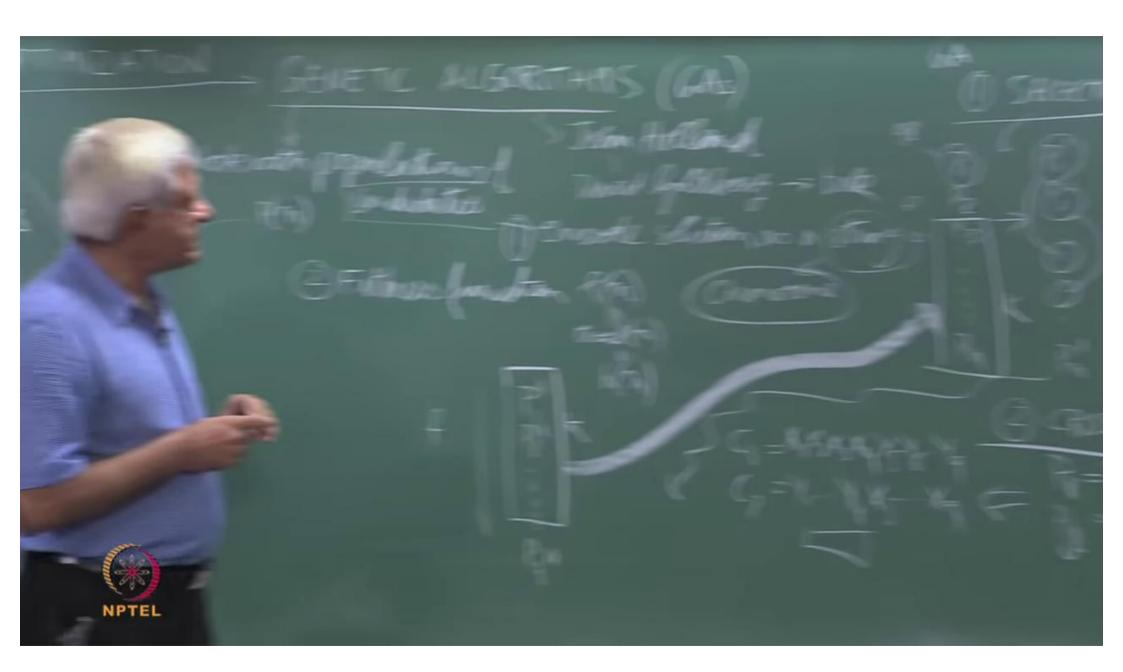


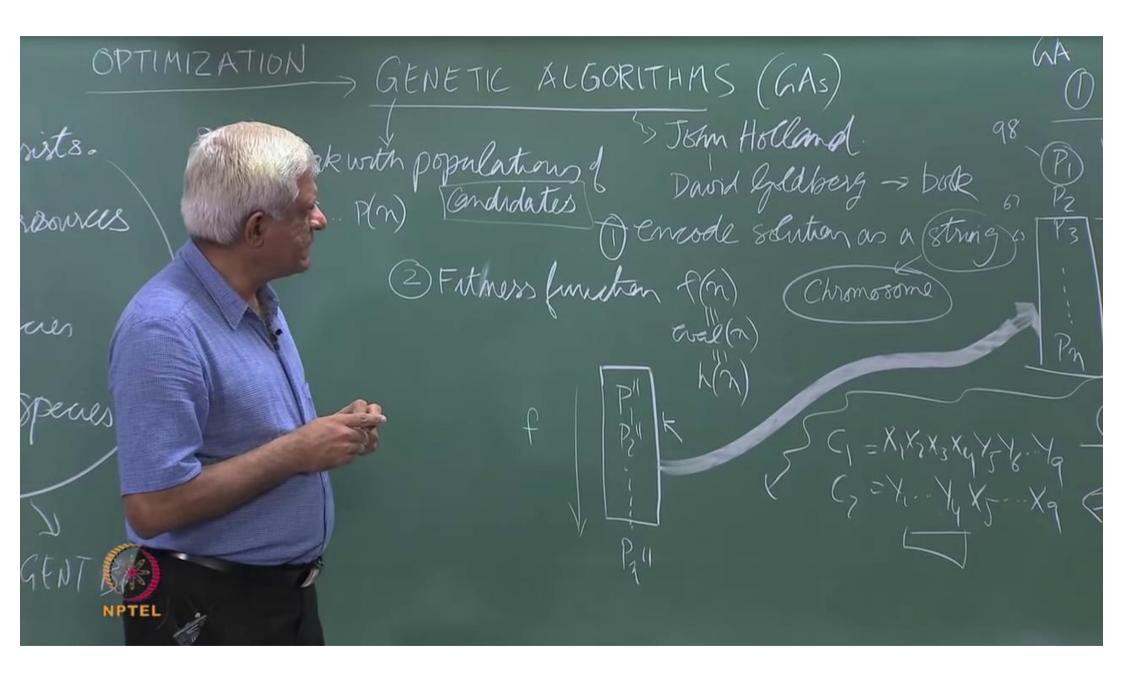


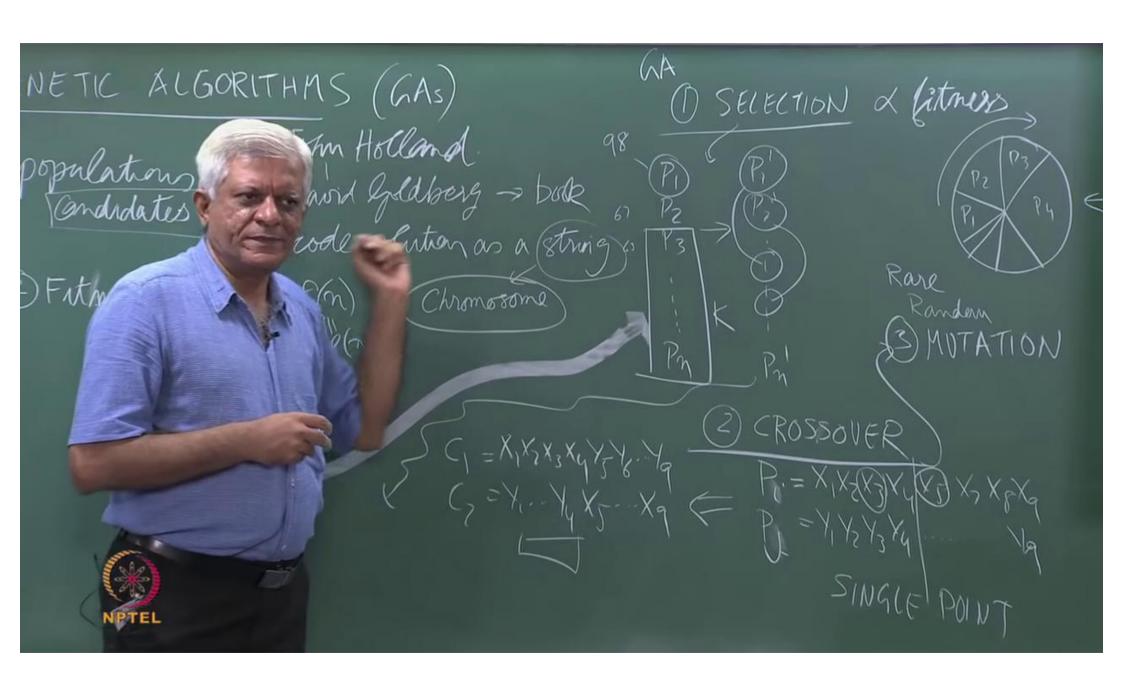












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