## Assignment - GA (Grenetic Algorithm) MIT 2019090, VISHAL KUMAR

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01) Anso

A,= 11101111 , Az = 00010100 , Az= 01000011

H1= [ +\*\* xxxx , H2=0+xxxxx , H3= xxxxxx+1]

41XKKKK K - 1 N + 1 K K K K K I - 2 N , H T OK OK K K = pH

As we can see, A1 is matching with H1, H3, H5&

Az is matching with Hz and,

Az is roadchy with M2, M3 and My.

Now, let's And order and defining leyth of each schemate.

O(H) S(H)

M' = 1xxxxxxx -> T

N2 = 0 x x x x x x x > 0

M3- \*\*\*\*\*\*11 -> 2

Hy = ABADAOID -> 3

H5 = 1222212 -> 2

M6 = 1222212 -> 2 6.

Can se find wind the teasures ingar earnerpor

Sm(H) = (1- Pm(H))0(H)

where Pm = Poobability of one Lation