main function 8* f(x)=2 Population size; 4 I point noven Selections Probability 169 11 01 0.49 10.24 - olowest value 576 1000 0.06 64 01000 0.31 361 10011 1170: Sum 2925 Average 576 Max + decimal 13 f(x) = x = 2 state fitness more 17 75 value f1+f2+f3+f4 =Probobilit

 $f_2 = \frac{f_2}{f_1 + f_2 + f_3 + f_4}$

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Freezed court 700 000 NXP 700 000 N = How many observation you took Here N=4 P= Probability Chossover 6 can be either one point/2 point/n point Question 7 1 point crossover Topice 100/11101 1000101 [0] 6101 Contract String hating crossover of spring point after no Fitners ~ f(x) = x after xover after xover 01100 12 11001 625 25 11011 722 1000 16 10000 256 10/011 1254 43815 SUM Average 729 10 prant 3 to the value of them, order expected count towest that one highest or replace our the Max

II III. can adironter. 1.

mutation ?

String Offpring no. after xover	Offspring after mutation	Volve	Fitness 2 f(x)=x	
1 01100 2 11001 3 11011	11001	2. 25 27 2.	625 729	

Crossover 2 Fitness 144, 256 lowest ord only change pool randomly change