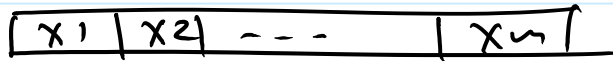


Ques 6Design of motor : TSIstep 1 Design of chromosome

Floating point array

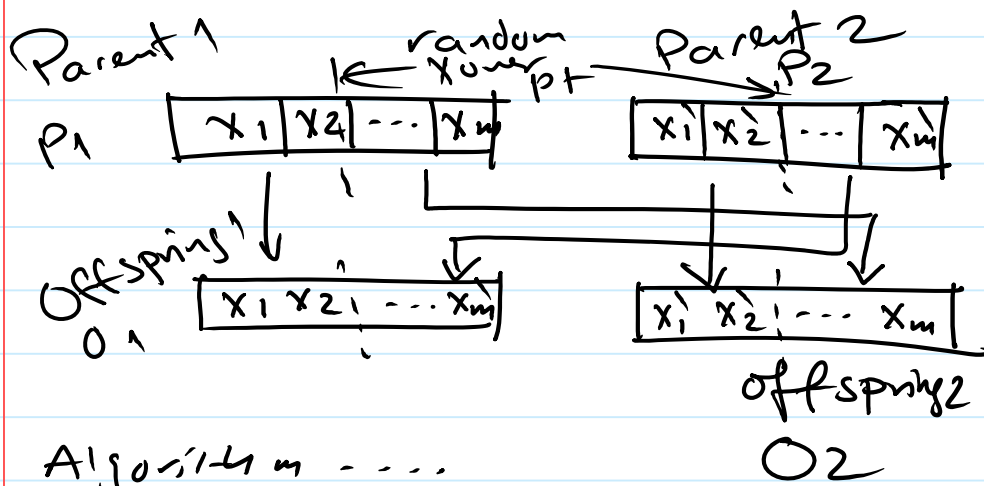
step 2 Fitness functions

$$f_1 = \min (\text{CylinderSize} (x_1 \dots x_m))$$

$$f_2 = \max (hp(x_1, \dots, x_m))$$

step 3 Selection

Normal Roulette wheel Selection.

step 4 Crossover

Algorithm - - -

step 5 Mutation

Non-uniform mutation on FP representation.

$$(1 - t/T)$$

representation.

$$\Delta(y, t) = y(1 - r(1 - t/T))$$

