Assignment or

Samir Rahman 20-18/01/30 Section - 2

Ang. to the 9 'No. 1:

Maximum Height: 15.

ABCEF

ABDE

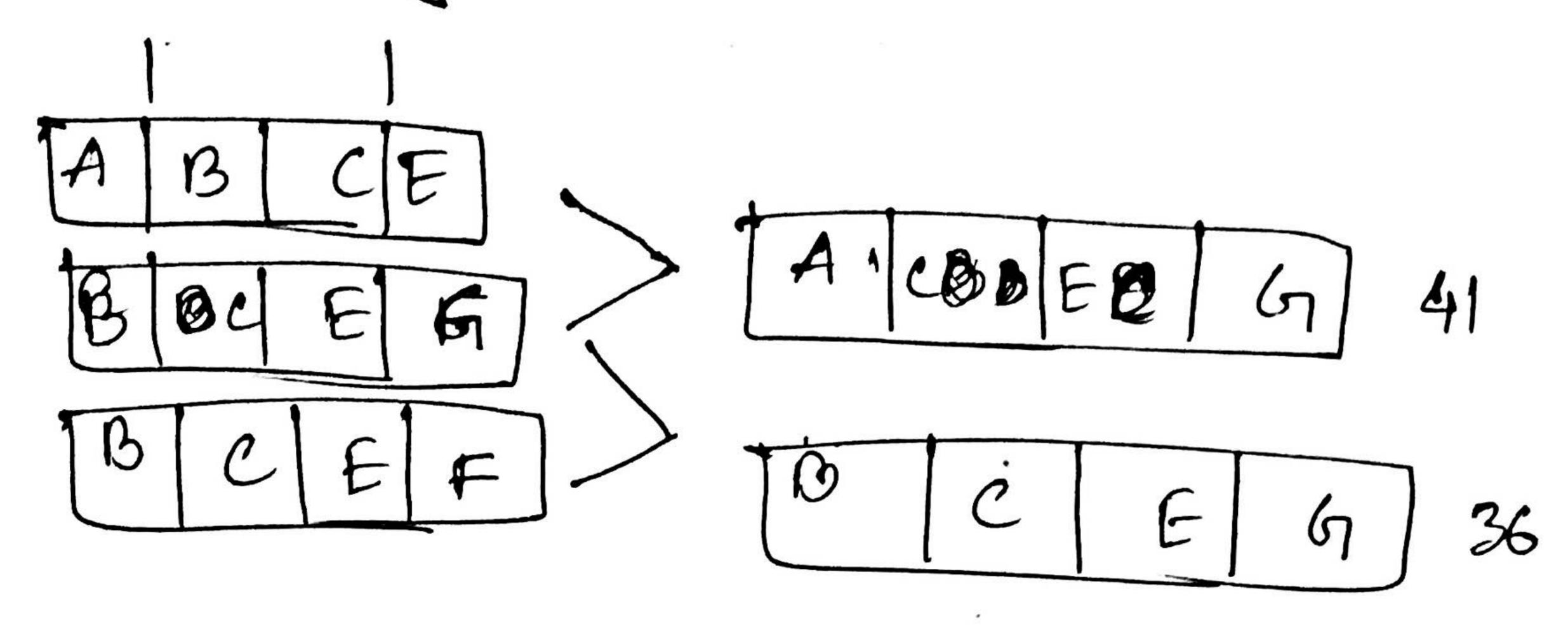
Fitners level:

ABCEF 49

ABDE 28

ACBEG 36

Two No the fittest chromosomes are ACEF and ABCE. Single point crossovers in between 3 of the fittest chromosomes to retrieve 2 bost off springs.



Mutating the to two offsprings found

From @ number (3)

A C E G

B C F G

B C F G

48

Ans. to the @ No. 3:

- The year of this problem. Frenctic algorithm basically randomizes the population. So after ceretain iterations there is a chance of retrieving a population which is the best or close to the best.
- Maximum weight limit is = 21.

 PFD+HBR

 PDNDGH

 M+N+0+R

 M+O+Q+R

 P+Q+R+QO

MHOTR

Figure 1 evel of the chromosomes are -M + N + O + R = 10 + 5 + 15 + 3 = 33 M + O + R + R = 10 + 15 + 6 + 3 = 34 P + O + R + O = 7 + 6 + 3 + 15 = 31 M + O + P + R = 10 + 15 + 7 + 3 = 35Two of the fittest chromosomes are (N + O + P + R) and N + O + R + R

