Them weight value. Pros knaplack.

5 kg \$12

1 3 kg \$5

7 kg \$10

3 2 kg \$7

In this Car we have 24 = 16 Politilities

There are 16 encoding oftions.

I have Selected 4 Populations

 $C_1 \rightarrow 0110$ $C_2 \rightarrow 0101$ $C_3 \rightarrow 1101$ $C_4 \rightarrow 1111$

From the Copulsion he have to relect the Perents and from that Corents he have to generate chromosomes (Off springs).

Calculation of fitness beights to 0110 3 0+3+7+0=10kg.

Value of 0110 3 \$5+\$10=\$15.

(2-30101

weights = 0+3+0+2 = 5kg.

Vues = 0+\$5+0+\$7 =\$12

C3 -> 10 1101

news -> 5+3+0+2 = lokg

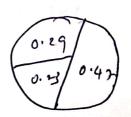
valus -3 19+5+0+7 = \$24.

Cy -> 1111

werms -> 5+3+7+2 = 17/cg.

vzlug -> \$12+\$5+\$10+\$7=\$34

Here in the last Car the weeks your is 17 kg which the knapseck and hold so he can eliminate the last Population



so ne nave to sweet 1101 to 2 times @ 0101 0 11 0 1 1 0 1 1101 Ment- (romover School the cromover (sind of. 0 11/0 -> 0 11/1

P 1 D/1 1100.

Check the Yelidit/of there Mollange 3 (forents (1) 0 11 1 Weights of 3+7+2 = 12kg value of \$\$+\$10+\$7=\$22 1100 werety - 5+3+0+0 = sicg value - \$ 12+\$5+0+0 =\$17.

Both are Volid