	Knapsack Problem Using " Grenetic Algorithm								
	140me	A 11	1)2	W3	NY	N's	N.		
	16000	10	23	8	9	17	18		
	weight	1	3	7	4	<u> </u>	6 1		
				Knap	sack	=10			
1.	Initial	izatio							
	Initialization:								
	Chromosome Selected								
	101101 NA, N3, N4,Nb								
	011010 N2, N3, NS pop_size = 8								
	110001 NI, N2, N6 1= included								
	100110 NI, NY, NS 0= not included								
	011100 N2, N3, N4								
	101011 N1, N3, NENE								
	100101 W1,N4,NB								
	110010 111112,115								
2.	Fitness Functions								
	calculate total value of								
	the selected items and								
	penalizing solutions that								
	exceed's the physical capacity								
	of knapsack.								
->	it weight of chromosone exceeds								
	Knowsack corporations								
	total value = value - upignt.								

Date:

	chromosome	value	T. weight	Fitness				
	THE RESERVE OF THE PROPERTY OF		1+7+5+9=19	19>10-> 54-19=	35			
	011010	48	15	33				
	110001	Ġ2	10	52				
	100110	чо	10	40				
	011100	40	14	26				
	101011	ŚY	19	35				
	100/101	33	14	23				
	110010	46	1 8	46				
3.	Selectio	n:						
	그 그 아이는 그리는 아이는 아이는 아이는 아이는 아이는 아이는 아이는 아이는 아이는 아이	2 be	A STATE OF THE PARTY OF THE PAR					
	Chromosom	Fitness	Probabilit	*				
	1001001	35	35/290 = 0.120					
	011010 33		0.113					
	110001	s'2	0.179					
	100110	40	0.139					
	011100	2 b	0.089					
	10101	35	0.120					
	10010	23 0.079						
	110019	946	40 0.188					
	296							
	Select 2 best							
	0110001							
	110010							
4.	Crosso	464;						
	let's	one-paint	Crosso	ver				
PJ	1 1	0001		1 11001				
D		010		2 11000				

ς'	Mutation							
	rout prob = 0.1							
→	Copporato							
	Chemerate random number between 0-1 breach trem.							
	number less the 0.1 accept blip by item otherwise more for next item. Mutation Child-1:- (110010)							
	But Position	Bit	Langon	MIP	New Bit			
	1	1	0.25	No	1			
	2	1	0.05	Xes	0			
	3	0	0.80	No	0			
	4	O	0.10	A - 2 19 17 12 15 15 16 16 16 16 16 16 16 16 16 16 16 16 16				
	8		0.90	No	01			
	1	0	10.07	Yes				
	Muration par child 1:- 100111							
	Mutation per child 2 = 01/101							
1								
0.	Replacement:							
	Replace lowest fit chromosome							
	with new ehild.							
1.	il though in about and							
	by there is chromosome with							
	weight's exceed's Knapsack.							
	then replace the lowest-bit							
	chromosome among them with							
P. Carlot	opper	3.						
	10 no	V			A CONTRACTOR OF THE CHARLES AND			