

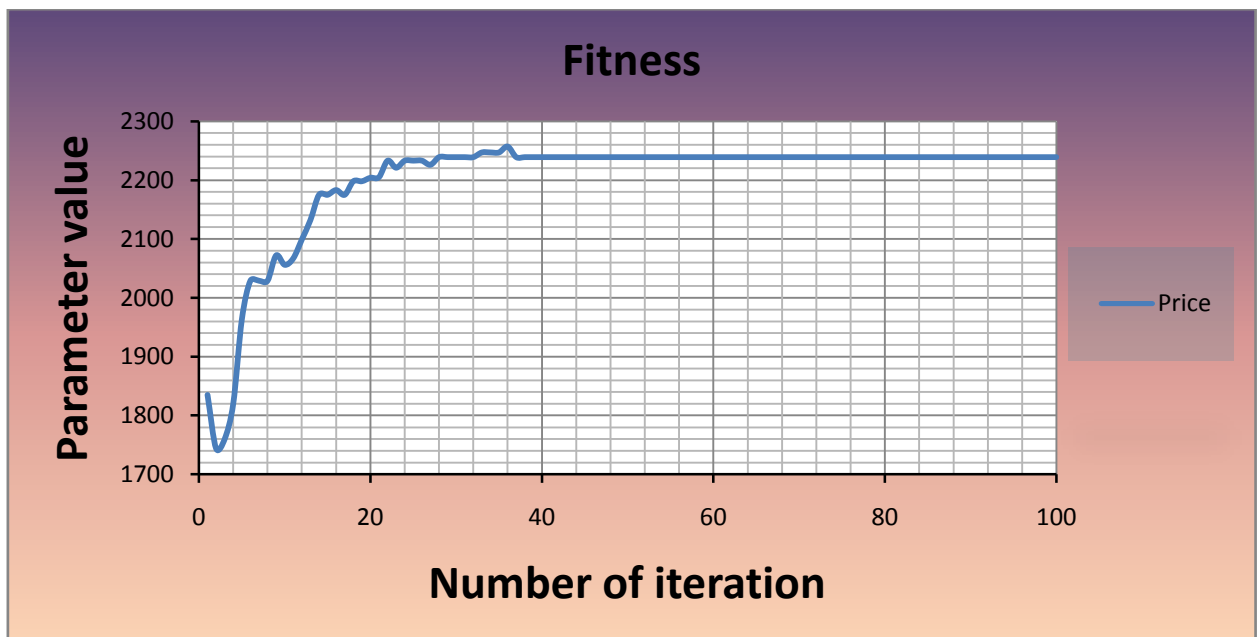
In this table we can see price and size of items.

Number of item	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20
Item's price	77	88	67	14	36	10	68	36	87	68	54	45	53	77	36	76	9	39	84	22
Item's weight	39	5	74	12	84	16	87	83	34	50	39	66	89	76	5	79	13	4	73	13

Below five randomly selected backpacks that were generated at the beginning of the program.

```
'Knapsack price',1850,'Knapsack weighth',1000,'Knapsack genes',05000100424110221330
'Knapsack price',1437,'Knapsack weighth',864,'Knapsack genes',04040102401200424110
'Knapsack price',1394,'Knapsack weighth',840,'Knapsack genes',14001201305003101003
'Knapsack price',1015,'Knapsack weighth',927,'Knapsack genes',00031401010220411422
'Knapsack price',588,'Knapsack weighth',595,'Knapsack genes',01011402002011000201
```

The graph shows the contents of the backpack price change depending on the iteration.



In the end, we got the best backpack that has a maximum price and thus its size does not exceed 1000.

```
'Knapsack price',2239,'Knapsack weighth',1000,'Knapsack genes',45020100454001400414
```

The table shows the cost of each set of items from the best backpack.

Item	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20
Number of items	4	5	0	2	0	1	0	0	4	5	4	0	0	1	4	0	0	4	1	4
Item's price	308	440	0	28	0	10	0	0	348	340	216	0	0	77	144	0	0	156	84	88