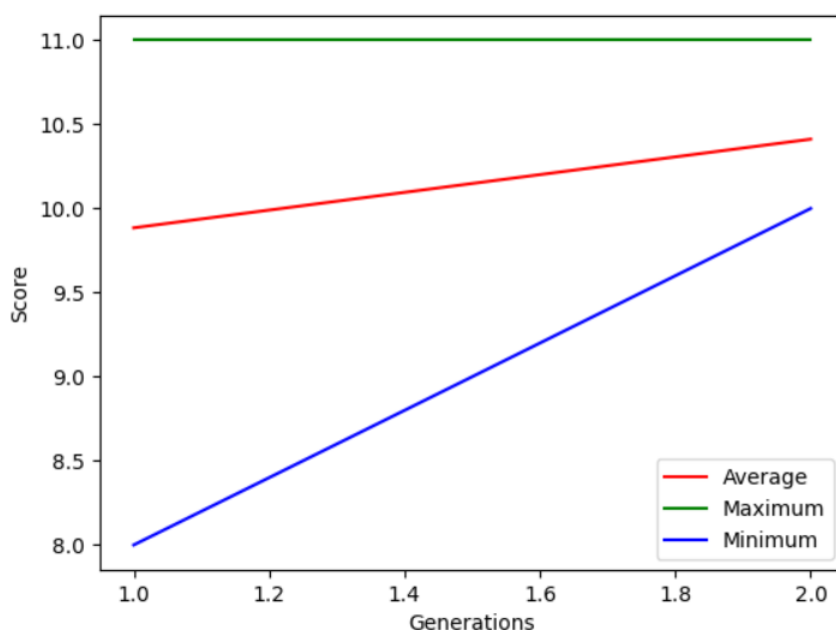


گزارش پروژه تکاملی - هوش محاسباتی

مرحله	روش اول	روش دوم
جمعیت اولیه	۲۰۰ کروموزوم	۵۰۰ کروموزوم
محاسبه شایستگی	با محاسبه امتیاز برنده شدن	بدون محاسبه امتیاز برنده شدن
انتخاب	فقط انتخاب برترین ها	انتخاب وزن دار بر اساس شایستگی
بازترکیبی	بازترکیبی یک نقطه‌ای	بازترکیبی دونقطه‌ای
جهش	احتمال جهش ۰.۱	احتمال جهش ۰.۵

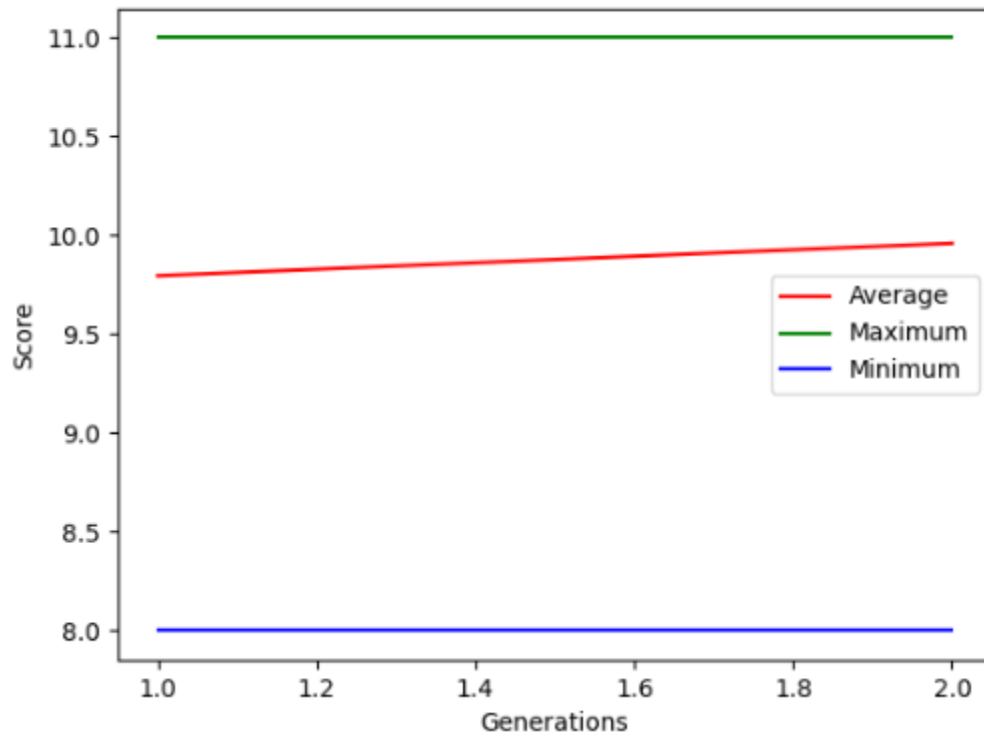
مرحله اول:

روش اول:



```
Goal found after 2 Generations!
Goal chromosome: 12000001
Generation of Goal chromosome: 2
Score of Goal chromosome: 11
```

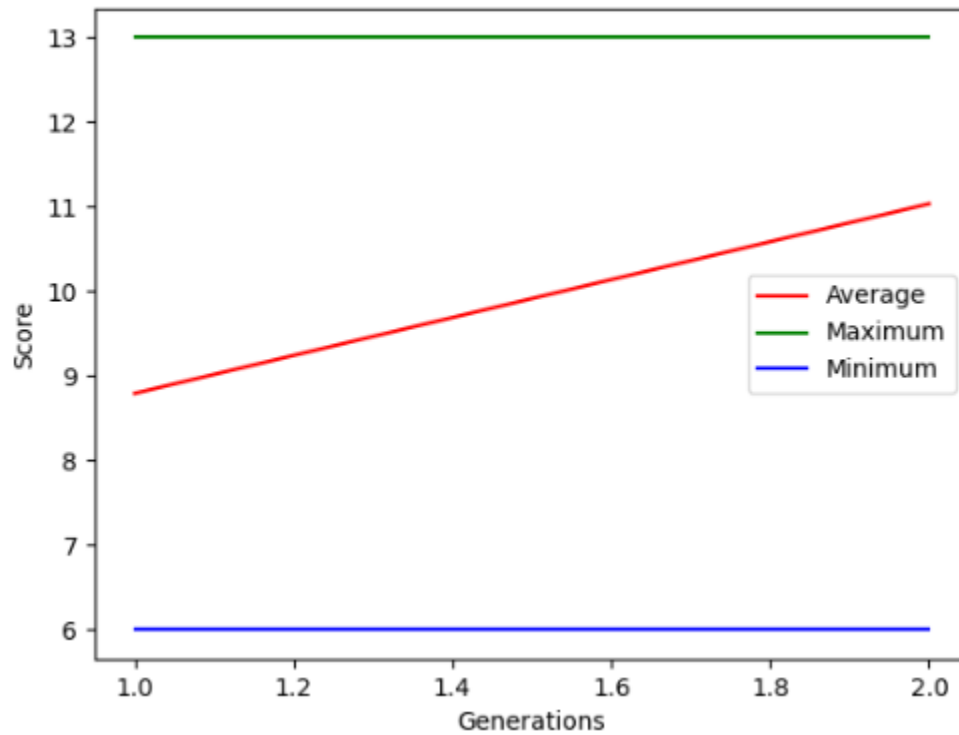
روش دوم:



```
Goal found after 2 Generations!  
Goal chromosome: 00210001  
Generation of Goal chromosome: 2  
Score of Goal chromosome: 11
```

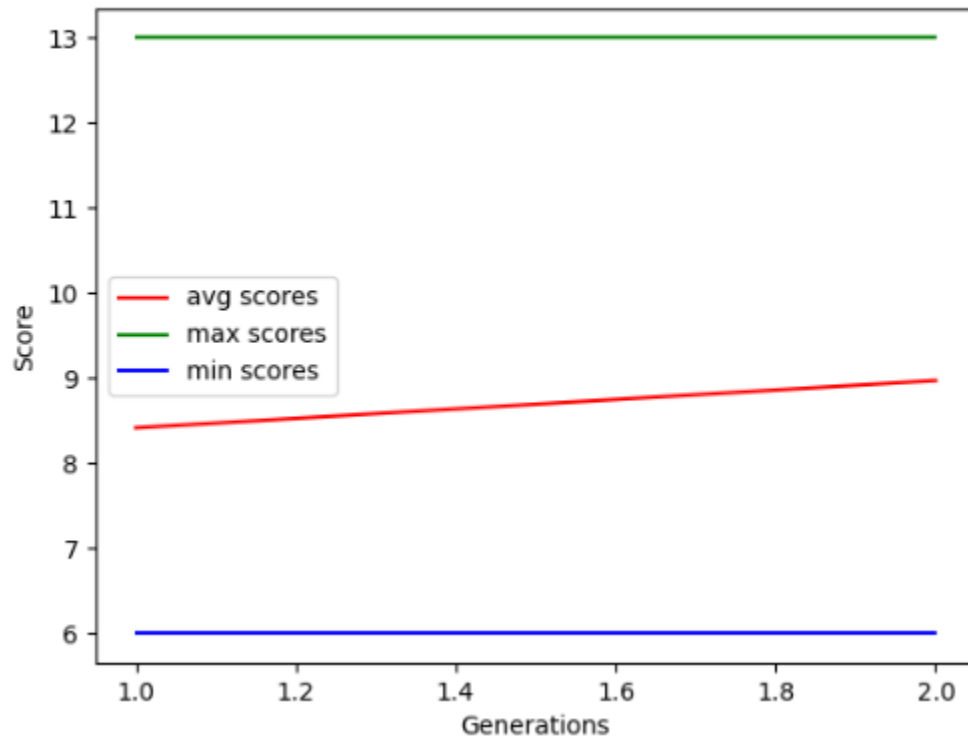
مرحله دوم:

روش اول:



```
Goal found after 2 Generations!  
Goal chromosome: 1012000021  
Generation of Goal chromosome: 2  
Score of Goal chromosome: 13
```

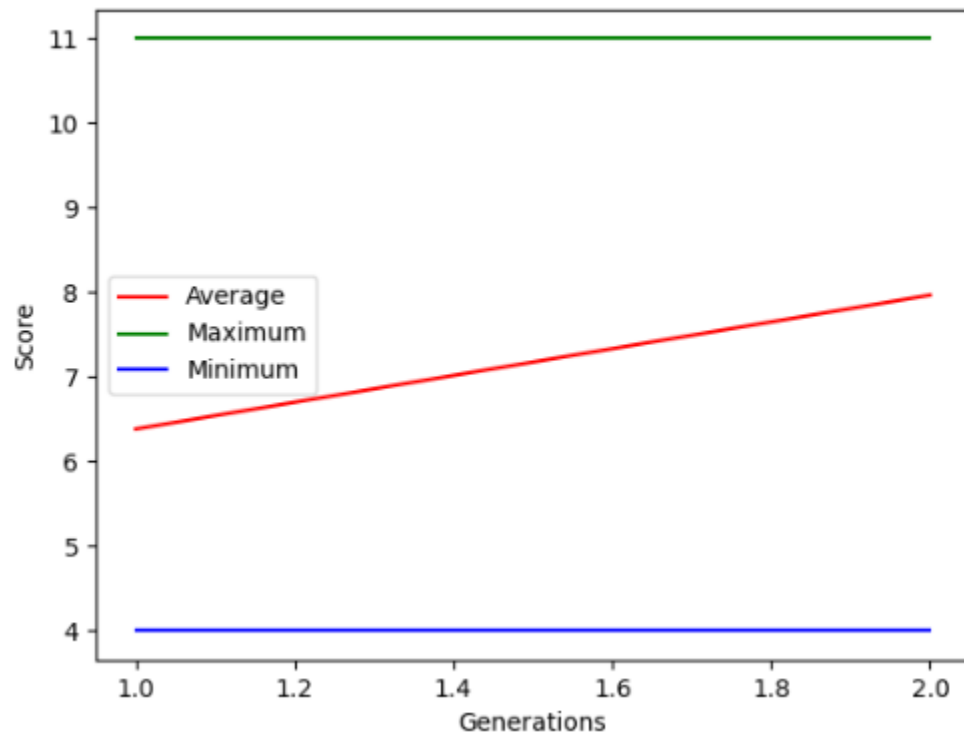
روش دوم:



```
Goal found after 2 Generations!  
Goal chromosome: 1012002021  
Generation of Goal chromosome: 2  
Score of Goal chromosome: 13
```

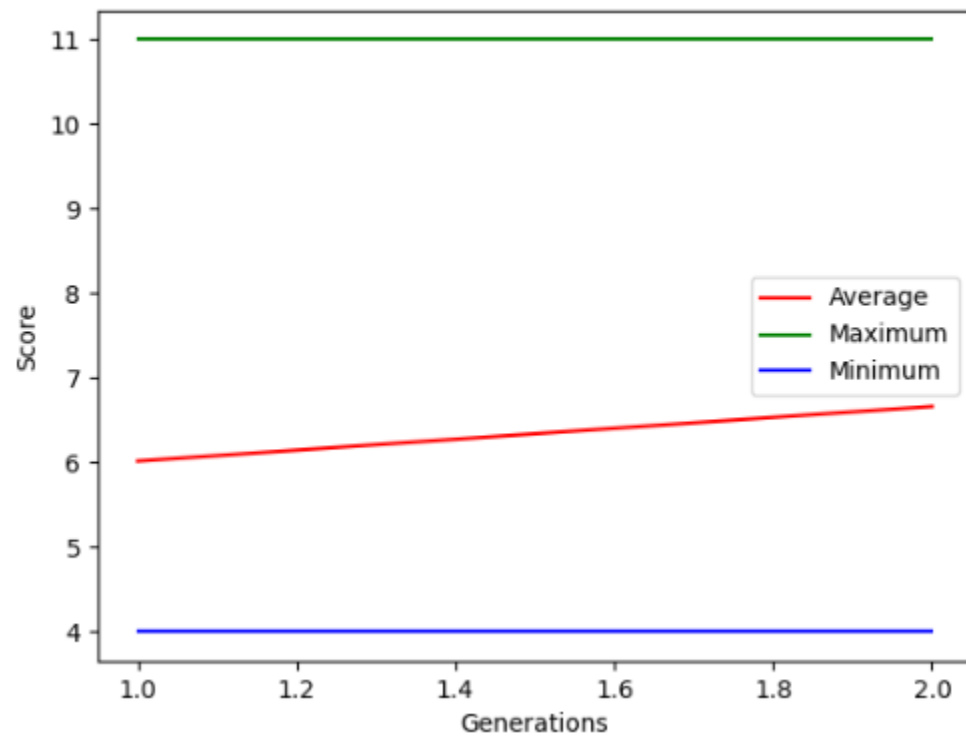
مرحله سوم:

روش اول:



```
Goal found after 2 Generations!  
Goal chromosome: 10010201  
Generation of Goal chromosome: 2  
Score of Goal chromosome: 11
```

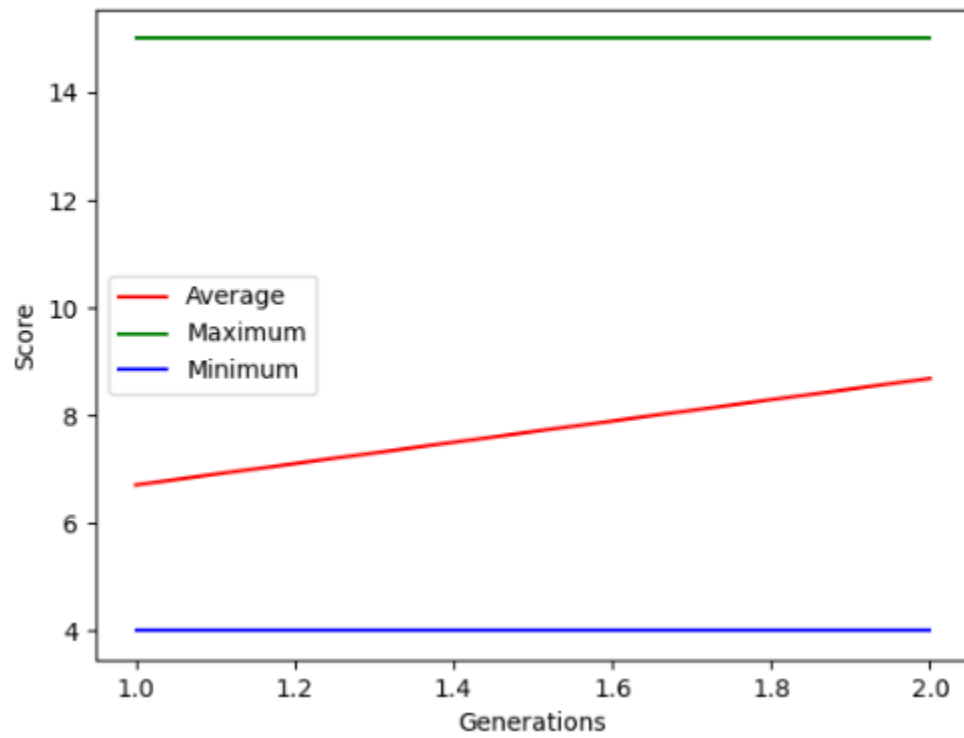
روش دوم:



```
Goal found after 2 Generations!  
Goal chromosome: 12210201  
Generation of Goal chromosome: 2  
Score of Goal chromosome: 11
```

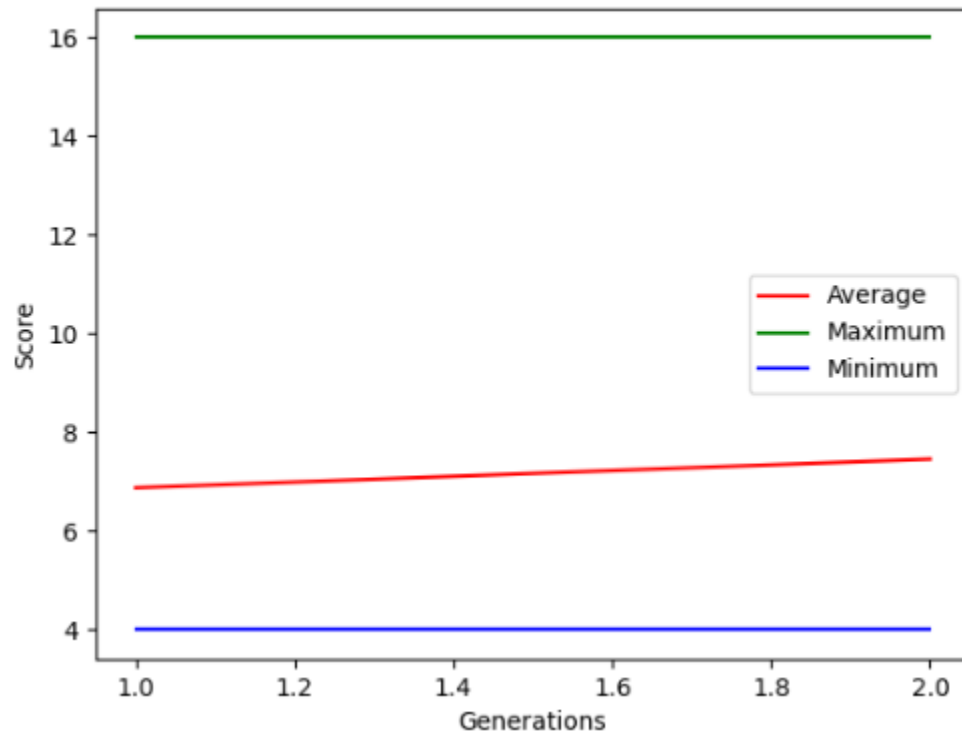
مرحله چهارم:

روش اول:



```
Goal found after 2 Generations!  
Goal chromosome: 12010021000  
Generation of Goal chromosome: 2  
Score of Goal chromosome: 15
```

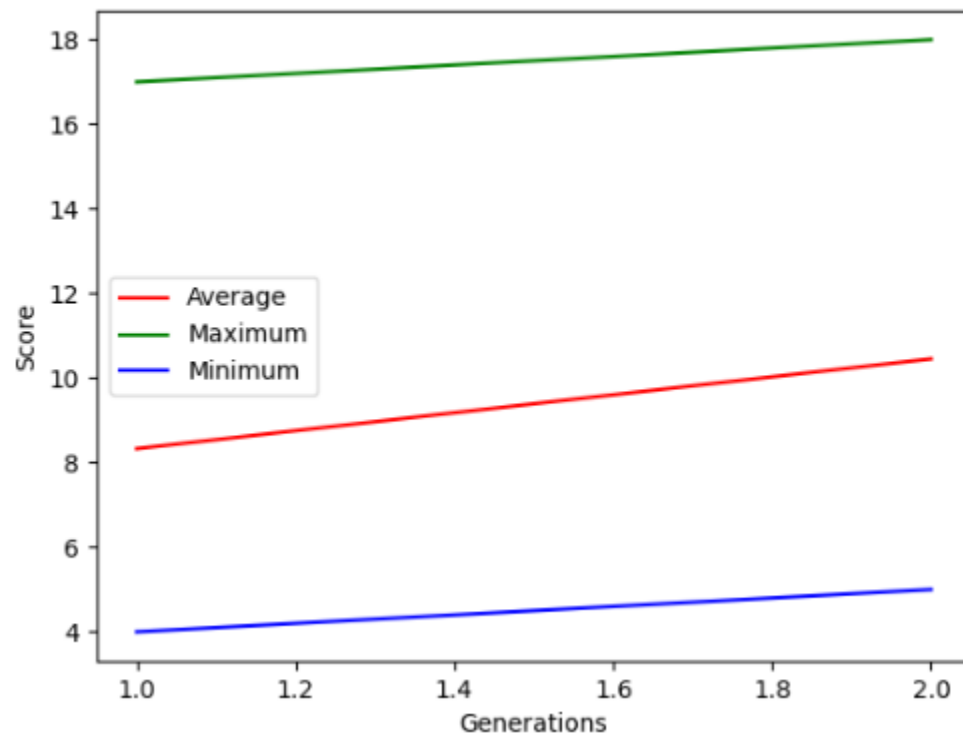
روش دوم:



```
Goal found after 2 Generations!  
Goal chromosome: 12010220221  
Generation of Goal chromosome: 1  
Score of Goal chromosome: 16
```

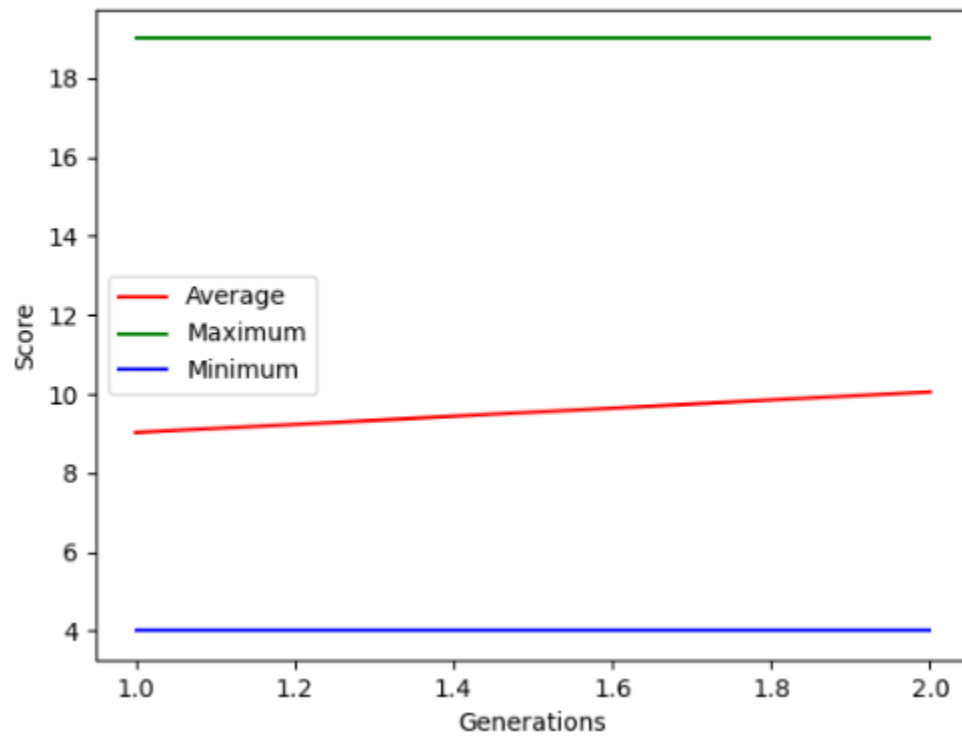

مرحله پنجم:

روش اول:



```
Goal found after 2 Generations!  
Goal chromosome: 201200221000  
Generation of Goal chromosome: 2  
Score of Goal chromosome: 18
```

روش دوم:



```
Goal found after 2 Generations!  
Goal chromosome: 001020201001  
Generation of Goal chromosome: 2  
Score of Goal chromosome: 19
```

مرحله ششم:

روش اول:

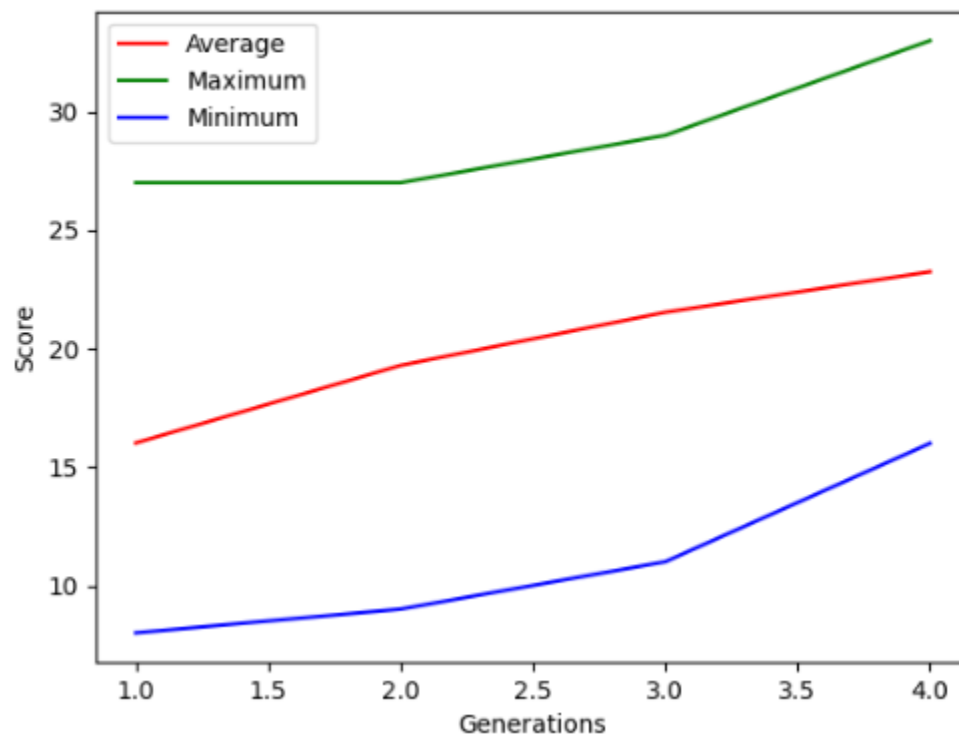
مشاهده میشود که روش اول به جواب نمیرسد

روش دوم:

مشاهده میکنیم که روش دوم هم به نتیجه نمیرسد.

مرحله هفتم:

روش اول:



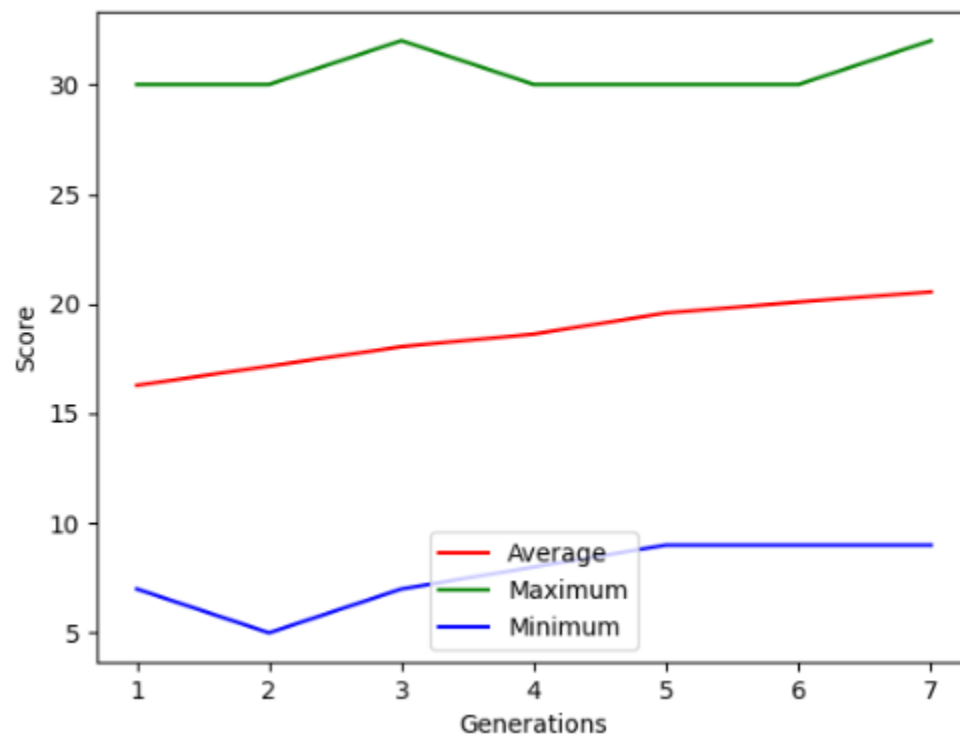
Goal found after 4 Generations!

Goal chromosome: 1000121002200100221012100

Generation of Goal chromosome: 4

Score of Goal chromosome: 33

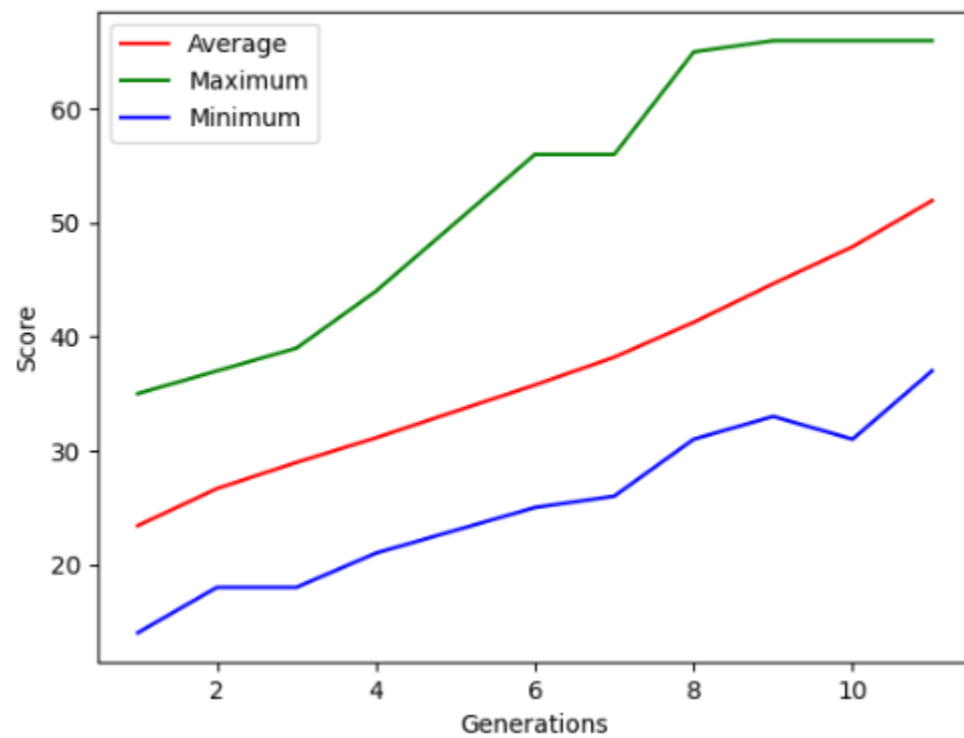
روش دوم:



```
Goal found after 7 Generations!  
Goal chromosome: 1011102002200100201201001  
Generation of Goal chromosome: 7  
Score of Goal chromosome: 30
```

مرحله هشتم:

روش اول:



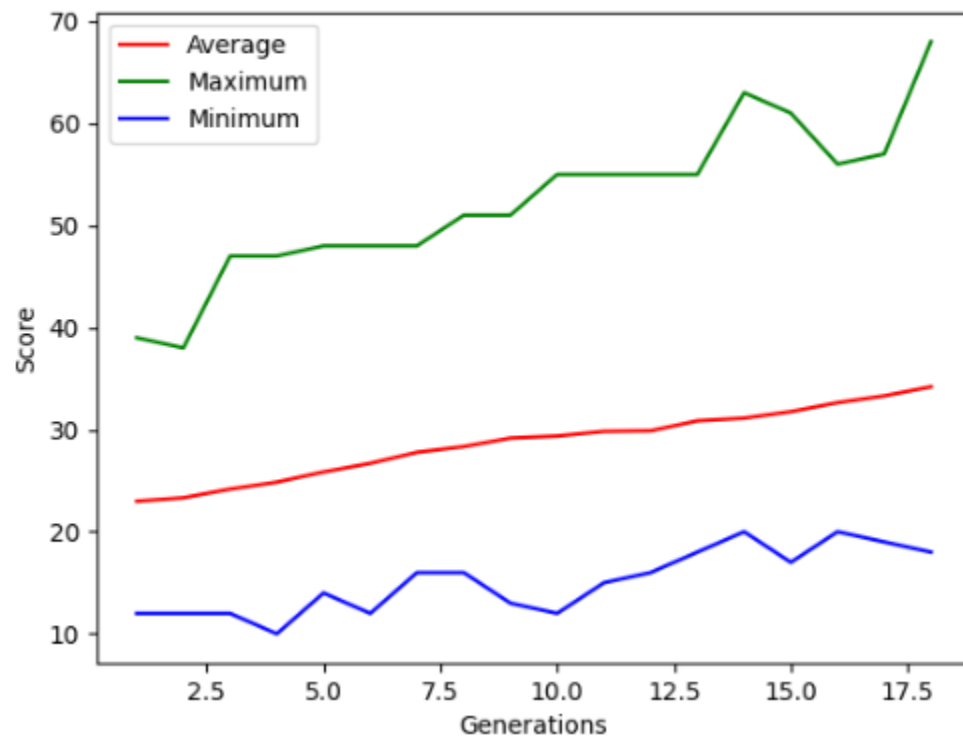
Goal found after 11 Generations!

Goal chromosome: 12121201002002102122001210101021012021202100201001

Generation of Goal chromosome: 11

Score of Goal chromosome: 65

روش دوم:



Goal found after 18 Generations!

Goal chromosome: 00121020210002002121120101002020100020100000200000

Generation of Goal chromosome: 18

Score of Goal chromosome: 68

مرحله نهم:

روش اول:

به نتیجه نمیرسد.

روش دوم:

به نتیجه نمیرسد.