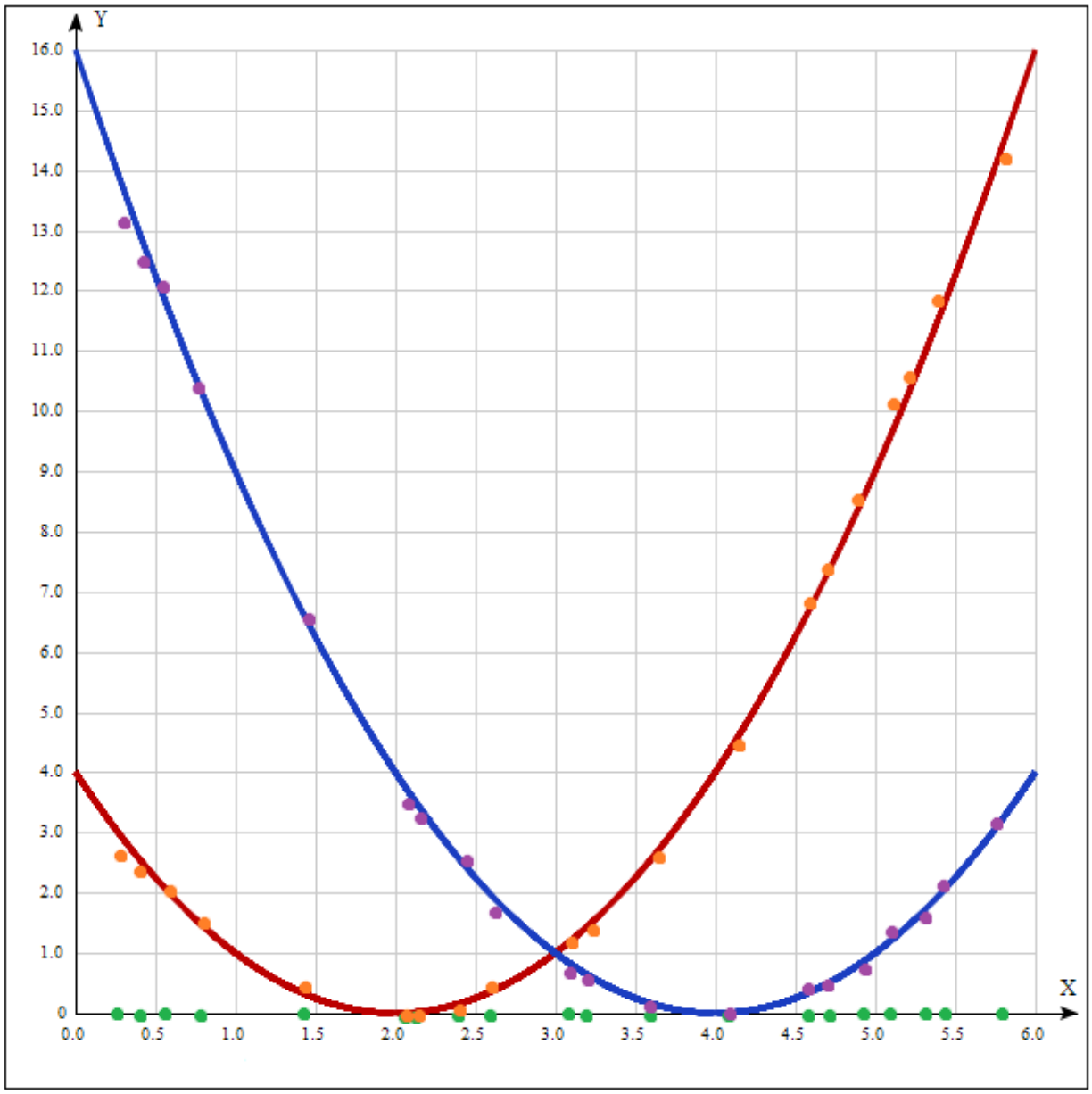
# First generation

| chromosome | x value | y1 value | y2 value | rank |
|---|---|---|---|---|
| 0110111000 | 0,375 | 2,64 | 13,14 | 0 |
| 0000101100 | 0,44 | 2,43 | 12,67 | 1 |
| 0001001011 | 0,52 | 2,19 | 12,11 | 2 |
| 0011010011 | 0,75 | 1,56 | 10,56 | 3 |
| 0010001111 | 1,43 | 0,32 | 6,6 | 4 |
| 0011010011 | 2,11 | 0,01 | 3,57 | 5 |
| 0100110000 | 2,13 | 0,02 | 3,49 | 5 |
| 1100001000 | 2,4 | 0,16 | 2,56 | 6 |
| 1100001000 | 2,64 | 0,4 | 1,84 | 6 |
| 1010000000 | 3,11 | 1,23 | 0,79 | 9 |
| 1101000010 | 3,22 | 1,48 | 0,6 | 9 |
| 1101101000 | 3,65 | 2,72 | 0,12 | 7 |
| 1110100000 | 4,12 | 4,49 | 0,01 | 7 |
| 1110100000 | 4,64 | 6,96 | 0,4 | 6 |
| 1110110000 | 4,72 | 7,39 | 0,51 | 5 |
| 1111011000 | 4,92 | 8,52 | 0,84 | 4 |
| 1100110000 | 5,18 | 10,11 | 1,39 | 3 |
| 1101010000 | 5,32 | 10,43 | 1,74 | 2 |
| 1110001100 | 5,46 | 11,97 | 2,13 | 1 |
| 1110010100 | 5,77 | 14,21 | 3,13 | 0 |




- Value x

- Value $Y_1$

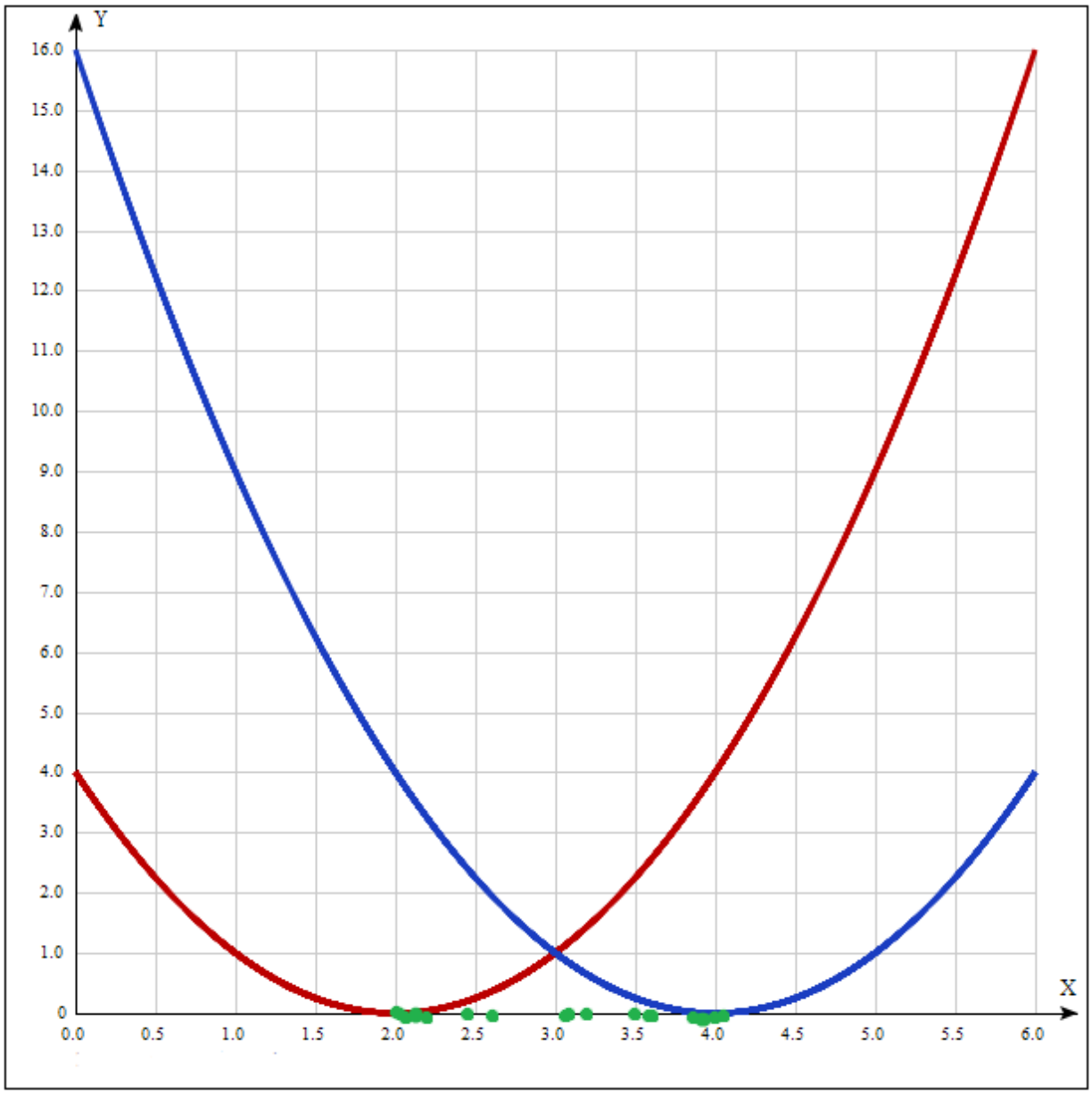
- Value $Y_2$

- $Y_1(x) = (x-2)^2$

- $Y_2(x) = (x-4)^2$

# Last Generation

| chromosome | x value | y1 value | y2 value | rank |
|---|---|---|---|---|
| 1011001000 | 2,005 | 0,000025 | 3,98 | 0 |
| 1011010100 | 2,124 | 0,015376 | 3,5193 | 0 |
| 1011010011 | 2,112 | 0,012544 | 3,5645 | 0 |
| 1011011001 | 2,175 | 0,030625 | 3,3306 | 0 |
| 1011001010 | 2,021 | 0,000441 | 3,9164 | 0 |
| 1101001100 | 2,11 | 0,0121 | 3,57 | 0 |
| 1011010101 | 2,13 | 0,0169 | 3,49 | 0 |
| 1101111000 | 2,4 | 0,16 | 2,56 | 0 |
| 1100001000 | 2,64 | 0,4096 | 1,84 | 0 |
| 1010110111 | 3,11 | 1,2321 | 0,79 | 0 |
| 1101000010 | 3,22 | 1,4884 | 0,6 | 0 |
| 1101101101 | 3,65 | 2,72 | 0,12 | 0 |
| 0110010100 | 4,045 | 4,182 | 0,002 | 0 |
| 0110010010 | 4,022 | 4,0884 | 0,0004 | 1 |
| 0101101110 | 3,662 | 2,7622 | 0,1142 | 0 |
| 0110000100 | 3,88 | 3,5344 | 0,0144 | 0 |
| 1100001000 | 3,92 | 3,6864 | 0,0064 | 0 |
| 1100000010 | 3,862 | 3,467 | 0,019 | 1 |
| 1001100100 | 3,564 | 2,446 | 0,19 | 1 |
| 1101000011 | 3,237 | 1,5301 | 0,5821 | 0 |




- Value x
- $Y_1(x) = (x-2)^2$
- $Y_2(x) = (x-4)^2$