3. Выполнить программу при n = 8, 9, 10 и сделать выводы.

**N = 8**

|  |  |  |  |
| --- | --- | --- | --- |
| Количество вершин | Количество графов | | |
| Эйлеровых | Гамильтоновых | Всех |
| 8 | 8760 | 1191143 | 1193423 |
| 9 | 4829 | 666556 | 681500 |
| 10 | 3862 | 371079 | 425421 |
| 11 | 3020 | 187088 | 306326 |
| 12 | 2255 | 171091 | 273081 |
| 13 | 1992 | 145833 | 303822 |
| 14 | 2111 | 183319 | 301961 |
| 15 | 2839 | 198544 | 299414 |
| 16 | 1679 | 187231 | 274435 |
| 17 | 1741 | 173211 | 229101 |
| 18 | 1339 | 165539 | 193546 |
| 19 | 1480 | 91081 | 149356 |
| 20 | 1104 | 81938 | 104871 |
| 21 | 766 | 92337 | 93423 |
| 22 | 630 | 64952 | 67339 |
| 23 | 674 | 43085 | 52596 |
| 24 | 290 | 26340 | 35368 |
| 25 | 0 | 19823 | 25606 |
| 26 | 0 | 15622 | 23206 |
| 27 | 0 | 13985 | 20564 |
| 28 | 0 | 19321 | 19321 |

**N = 9**

|  |  |  |  |
| --- | --- | --- | --- |
| Количество вершин | Количество графов | | |
| Эйлеровых | Гамильтоновых | Всех |
| 9 | 5762 | 1005491 | 1005718 |
| 10 | 1904 | 565567 | 569417 |
| 11 | 1469 | 275725 | 287700 |
| 12 | 2029 | 201391 | 237046 |
| 13 | 840 | 153057 | 182133 |
| 14 | 596 | 63537 | 163357 |
| 15 | 503 | 129546 | 150219 |
| 16 | 590 | 115474 | 141614 |
| 17 | 784 | 118610 | 133875 |
| 18 | 486 | 114141 | 126822 |
| 19 | 283 | 102780 | 111282 |
| 20 | 596 | 91147 | 97731 |
| 21 | 416 | 46802 | 48958 |
| 22 | 227 | 59522 | 61003 |
| 23 | 315 | 81217 | 82182 |
| 24 | 494 | 75890 | 76619 |
| 25 | 805 | 66020 | 66520 |
| 26 | 1366 | 30135 | 34156 |
| 27 | 2289 | 17183 | 19106 |
| 28 | 3594 | 73697 | 73771 |
| 29 | 4959 | 25442 | 29754 |
| 30 | 5506 | 13860 | 13860 |
| 31 | 4543 | 13397 | 13397 |
| 32 | 6433 | 16182 | 16182 |
| 33 | 0 | 10087 | 10087 |
| 34 | 0 | 9249 | 9249 |
| 35 | 0 | 8728 | 8728 |
| 36 | 8865 | 8865 | 8865 |

**N = 10**

|  |  |  |  |
| --- | --- | --- | --- |
| Количество вершин | Количество графов | | |
| Эйлеровых | Гамильтоновых | Всего |
| 10 | 2775 | 817272 | 817272 |
| 11 | 527 | 439863 | 447672 |
| 12 | 1345 | 339272 | 380432 |
| 13 | 684 | 194729 | 253974 |
| 14 | 673 | 114611 | 136515 |
| 15 | 578 | 112611 | 125529 |
| 16 | 541 | 93597 | 108513 |
| 17 | 435 | 54824 | 64815 |
| 18 | 425 | 51767 | 52510 |
| 19 | 321 | 7568 | 45201 |
| 20 | 253 | 7727 | 10911 |
| 21 | 208 | 8434 | 10647 |
| 22 | 125 | 9595 | 11135 |
| 23 | 91 | 10407 | 11466 |
| 24 | 24 | 11363 | 12138 |
| 25 | 19 | 13965 | 14503 |
| 26 | 28 | 14846 | 15238 |
| 27 | 50 | 20635 | 20924 |
| 28 | 47 | 25831 | 26046 |
| 29 | 74 | 42004 | 42160 |
| 30 | 88 | 50069 | 50194 |
| 31 | 152 | 77514 | 77600 |
| 32 | 205 | 62092 | 62142 |
| 33 | 354 | 60463 | 60498 |
| 34 | 736 | 34625 | 34649 |
| 35 | 180 | 630595 | 630602 |
| 36 | 141 | 60165 | 61144 |
| 37 | 114 | 57582 | 67582 |
| 38 | 18 | 53628 | 53628 |
| 39 | 14 | 47394 | 47394 |
| 40 | 28 | 31231 | 31231 |
| 41 | 0 | 7184 | 7184 |
| 42 | 0 | 1630 | 1630 |
| 43 | 0 | 2091 | 2091 |
| 44 | 0 | 29 | 329 |
| 45 | 0 | 68 | 68 |