В этой задаче значения X1, X2, X3 … , X16 следует брать из таблицы, приведенной ниже. Соответствующая строка таблицы определяется по сумме *n* + *m* (15). В результате испытания случайная величина X приняла значения: X1, X2, X3 … , X16.

г) считая величину *X* непрерывной, составить таблицу статистического распределения, разбив промежуток (0; 10) на пять участков, имеющих одинаковые длины; построить гистограмму относительных частот.

|  |  |
| --- | --- |
| *n* + *m* | Значения X1, X2, X3, … , X16  к задаче №5. |
| 2 | X1 = 1, X2 = 5, X3 = 4, X4 = 3, X5 = 9, X6 = 7, X7 = 8, X8 = 7,  X9 = 2, X10 = 9, X11 = 8, X12 = 5, X13 = 2, X14 = 6, X15 = 5, X16 = 9. |
| 3 | X1 = 7, X2 = 5, X3 = 4, X4 = 2, X5 = 2, X6 = 7, X7 = 2, X8 = 5,  X9 = 7, X10 = 4, X11 = 2, X12 = 8, X13 = 7, X14 = 9, X15 = 9, X16 = 3. |
| 4 | X1 = 1, X2 = 2, X3 = 7, X4 = 6, X5 = 6, X6 = 6, X7 = 3, X8 = 5,  X9 = 1, X10 = 7, X11 = 3, X12 = 9, X13 = 1, X14 = 3, X15 = 9, X16 = 4. |
| 5 | X1 = 7, X2 = 5, X3 = 9, X4 = 4, X5 = 7, X6 = 2, X7 = 8, X8 = 5,  X9 = 7, X10 = 7, X11 = 2, X12 = 8, X13 = 7, X14 = 6, X15 = 3, X16 = 1. |
| 6 | X1 = 7, X2 = 8, X3 = 4, X4 = 4, X5 = 5, X6 = 5, X7 = 6, X8 = 1,  X9 = 9, X10 = 1, X11 = 5, X12 = 6, X13 = 6, X14 = 3, X15 = 9, X16 = 5. |
| 7 | X1 = 1, X2 = 3, X3 = 3, X4 = 8, X5 = 6, X6 = 8, X7 = 9, X8 = 2,  X9 = 5, X10 = 2, X11 = 9, X12 = 6, X13 = 4, X14 = 1, X15 = 8, X16 = 4. |
| 8 | X1 = 2, X2 = 4, X3 = 3, X4 = 5, X5 = 9, X6 = 1, X7 = 6, X8 = 5,  X9 = 9, X10 = 1, X11 = 5, X12 = 6, X13 = 1, X14 = 1, X15 = 8, X16 = 7. |
| 9 | X1 = 3, X2 = 1, X3 = 3, X4 = 2, X5 = 1, X6 = 6, X7 = 4, X8 = 1,  X9 = 7, X10 = 4, X11 = 6, X12 = 1, X13 = 6, X14 = 1, X15 = 9, X16 = 8. |
| 10 | X1 = 1, X2 = 9, X3 = 5, X4 = 4, X5 = 9, X6 = 5, X7 = 4, X8 = 4,  X9 = 3, X10 = 9, X11 = 1, X12 = 2, X13 = 9, X14 = 8, X15 = 5, X16 = 4. |
| 11 | X1 = 4, X2 = 2, X3 = 8, X4 = 8, X5 = 5, X6 = 2, X7 = 6, X8 = 4,  X9 = 9, X10 = 1, X11 = 7, X12 = 3, X13 = 4, X14 = 8, X15 = 9, X16 = 7. |
| 12 | X1 = 6, X2 = 5, X3 = 3, X4 = 2, X5 = 3, X6 = 4, X7 = 1, X8 = 2,  X9 = 3, X10 = 6, X11 = 4, X12 = 4, X13 = 9, X14 = 3, X15 = 3, X16 = 6. |
| 13 | X1 = 5, X2 = 7, X3 = 3, X4 = 3, X5 = 1, X6 = 6, X7 = 2, X8 = 9,  X9 = 4, X10 = 8, X11 = 5, X12 = 1, X13 = 7, X14 = 7, X15 = 7, X16 = 7 |
| 14 | X1 = 8, X2 = 5, X3 = 1, X4 = 5, X5 = 9, X6 = 4, X7 = 6, X8 = 7,  X9 = 3, X10 = 4, X11 = 9, X12 = 6, X13 = 4, X14 = 2, X15 = 9, X16 = 8. |
| 15 | X1 = 5, X2 = 3, X3 = 3, X4 = 3, X5 = 4, X6 = 7, X7 = 1, X8 = 1,  X9 = 7, X10 = 6, X11 = 9, X12 = 3, X13 = 9, X14 = 3, X15 = 9, X16 = 8. |
| 16 | X1 = 9, X2 = 8, X3 = 2, X4 = 6, X5 = 5, X6 = 9, X7 = 2, X8 = 7,  X9 = 3, X10 = 2, X11 = 4, X12 = 4, X13 = 5, X14 = 2, X15 = 4, X16 = 1. |
| 17 | X1 = 4, X2 = 9, X3 = 5, X4 = 4, X5 = 2, X6 = 2, X7 = 6, X8 = 1,  X9 = 7, X10 = 2, X11 = 6, X12 = 4, X13 = 8, X14 = 5, X15 = 7, X16 = 5. |
| 18 | X1 = 2, X2 = 3, X3 = 7, X4 = 4, X5 = 6, X6 = 3, X7 = 6, X8 = 5,  X9 = 8, X10 = 1, X11 = 4, X12 = 7, X13 = 3, X14 = 8, X15 = 6, X16 = 8. |
| 19 | X1 = 4, X2 = 5, X3 = 4, X4 = 4, X5 = 5, X6 = 5, X7 = 4, X8 = 8,  X9 = 6, X10 = 2, X11 = 6, X12 = 2, X13 = 5, X14 = 2, X15 = 4, X16 = 1. |
| 20 | X1 = 4, X2 = 9, X3 = 5, X4 = 4, X5 = 2, X6 = 2, X7 = 6, X8 = 1,  X9 = 3, X10 = 6, X11 = 4, X12 = 4, X13 = 9, X14 = 3, X15 = 3, X16 = 6. |