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38.04.02 "

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14 2019 .

: 2019/2020

- 2020/2021

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| / , |         |     |    |    | ( )                             |
|-----|---------|-----|----|----|---------------------------------|
|     |         |     | 1  | 2  |                                 |
|     |         | 120 | 60 | 60 |                                 |
| 1   |         | 3   | 3  |    | -5, -8, -1                      |
| 2   |         | 3   | 3  |    | -6, -3, -4                      |
|     | 1. ( )  | 58  | 44 | 14 |                                 |
|     |         | 21  | 21 |    |                                 |
|     |         | 21  | 21 |    |                                 |
| 1   | 4.0 :   | 6   | 6  |    | -3, -3, -16, -8                 |
| 2   | :       | 9   | 9  |    | -1, -3, -1, -2                  |
| 3   | :       | 6   | 6  |    | -12, -13, -14                   |
|     | /       | 37  | 23 | 14 |                                 |
|     |         | 17  | 13 | 4  |                                 |
| 1   |         | 6   | 6  |    | -4, -4, -3, -5, -16, -1, -7, -8 |
| 2   |         | 4   | 4  |    | -4, -10, -3                     |
| 3   |         | 4   |    | 4  | -2, -6, -16                     |
| 4   | " - "   | 3   | 3  |    | -1, -2, -4                      |
|     | , . .   | 20  | 10 | 10 |                                 |
|     | 1 (2 4) | 6   | 6  |    |                                 |
| 1   |         | 3   | 0  | 3  | -1, -3, -5, -7                  |

|   |               |    |    |    |   |
|---|---------------|----|----|----|---|
| 2 |               | 3  | 3  |    | -3, -8, -16   |
| 3 |               | 3  | 3  |    | -7, -1, -10, -2   |
| 4 |               | 3  | 3  |    | -3, -8, -1, -11   |
|   | 2 (2 3)       | 6  |    | 6  |   |
| 1 | 3D            | 3  |    | 3  | -9, -3  |
| 2 |               | 3  |    | 3  | -10, -3, -13, -15, -18, -3  |
| 3 |               | 3  |    | 3  | -3, -3, -17   |
|   | 3 (1 2)       | 4  | 4  |    |   |
| 1 | Big Data -    | 4  | 4  |    | -3, -4, -8, -6  |
| 2 |               | 4  | 4  |    | -15, -6, -2   |
|   | 4 (1 3)       | 4  |    | 4  |   |
| 1 |               | 4  |    | 4  | -4, -3, -5  |
| 2 |               | 4  |    | 4  | -4, -4, -5, -3, -5, -5, -10, -11  |
| 3 | Control Tower | 4  |    | 4  |   |
|   | 2. ( ), ( ) - | 56 | 16 | 40 |   |
|   | -             | 38 | 16 | 22 |   |
| 1 |               | 6  | 6  |    | -2, -5, -6, -18, -9   |
| 2 |               | 18 |    | 18 | -1, -17, -2, -2, -5   |
| 3 | - "           | 14 | 10 | 4  | -1, -16, -3   |
|   | "             | 6  |    | 6  |   |
| 1 |               | 3  |    | 3  | -5, -7, -11, -13, -14, -9   |
| 2 |               | 3  |    | 3  | -7, -16, -5   |
|   | ( )           | 12 |    | 12 |   |
| 1 |               | 12 |    | 12 | -11, -13, -17, -3   |
|   | 3.            | 6  |    | 6  |   |
| 1 |               | 6  |    | 6  | -13, -14, -15, -16, -17, -18, -7, -8, -10, -11, -12, -9, -8, -1, -2, -3, -4, -5, -6, -1, -2, -3, -4, -5, -6, -6, -7, -1, -2, -3, -4, -8, -5, -6, -7 |

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29.04.2019 .

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29.04.2019 .

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07.05.2019 .