# **Teszt jegyzőkönyv “Település valamikor minimális hőmérséklettel”**

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A C++ nyelv szerkezetének megfelelően az programon belüli **index**elés 0-tól kezdődik, viszont a felhasználó az outputra 1-től **sorszám**ozva kapja a kimeneteket. A bemeneti adatoknál a beolvasás egy mátrixba történik, mely [0,0] indexel indul.

# **Érvényes tesztesetek:**

### *1. teszteset: be1.txt*

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| --- |
| **Bemenet** - *egy település, egy nap* |
| settlementCount = 1  numberOfDays = 1  measures0,0 = 3 |
| **Kimenet** |
| Number of settlements contains a daily minimum temperature: 1  1 |

### *2. teszteset: be2.txt*

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| --- |
| **Bemenet** – *minden nap tartalmaz minimumot* |
| settlementCount = 3  numberOfDays = 4  measures0,0..0,numberOfDays-1 = -10 10 10 1  measures1,0..1,numberOfDays -1 = 10 -10 10 2  measures2,0..2,numberOfDays -1 = 10 10 -10 3 |
| **Kimenet** |
| Number of settlements contains a daily minimum temperature: 3  1 2 3 |

### *3. teszteset: be3.txt*

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| **Bemenet** – *két település tartalmaz több minimumot, alsó és felső határértéket* |
| settlementCount = 3  numberOfDays = 3  measures0,0..0,numberOfDays -1 = -50 50 0  measures1,0..1,numberOfDays -1 = -49 50 1  measures2,0..2,numberOfDays -1 = -50 0 49 |
| **Kimenet** |
| Number of settlements contains a daily minimum temperature: 2  1 3 |

### *4. teszteset: be4.txt*

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| **Bemenet** – *egy település tartalmaz minden minimumot* |
| settlementCount = 4  numberOfDays = 3  measures0,0..0,numberOfDays -1 = -30 0 50  measures1,0..1,numberOfDays -1 = -30 0 50  measures2,0..2,numberOfDays -1 = -31 -1 49 measures3,0..3,numberOfDays -1 = -30 0 50 |
| **Kimenet** |
| Number of settlements contains a daily minimum temperature: 1  3 |

### *5. teszteset: be5.txt*

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| **Bemenet** – *minden település minden napján megegyeznek a hőmérsékletek* |
| settlementCount = 5  numberOfDays = 4  measures0,0..0,numberOfDays -1 = 0 0 0  measures1,0..1,numberOfDays -1 = 0 0 0  measures2,0..2,numberOfDays -1 = 0 0 0 measures3,0..3,numberOfDays -1 = 0 0 0  measures4,0..4,numberOfDays -1 = 0 0 0 |
| **Kimenet** |
| Number of settlements contains a daily minimum temperature: 5  1 2 3 4 5 |

# **Érvénytelen tesztesetek:**

### *1. teszteset: be6.txt*

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| **Bemenet** – érvénytelen településszám (tartományon kívül, nem szám) |
| settlementCount = **1001 0 -1 harom** 3  numberOfDays = 3  measures0,0..0,numberOfDays -1 = -1 0 -1  measures1,0..1,numberOfDays -1 = 0 1 0  measures2,0..2,numberOfDays -1 = 1 1 1 |
| **Kimenet** |
| Please enter the number of the settlements: **1001**  **1001 is not in the range 1 and 1000**  **Unexpected data: 1001, please enter a valid number within the given range!**  Please enter the number of the settlements: **0**  **0 is not in the range 1 and 1000**  **Unexpected data: 0, please enter a valid number within the given range!**  Please enter the number of the settlements: **-1**  **-1 is not in the range 1 and 1000**  **Unexpected data: -1, please enter a valid number within the given range!**  Please enter the number of the settlements: **harom**  **Unexpected data: NAN!, please enter a valid number within the given range!**  … |

### *2. teszteset: be7.txt*

|  |
| --- |
| **Bemenet** – érvénytelen napok száma (tartományon kívül, nem szám) |
| settlementCount = 2  numberOfDays = **negy 0 1001** 1  measures0,0 = -50  measures1,0 = 50 |
| **Kimenet** |
| …  Please enter the number of the days: **negy**  **Unexpected data: NAN!, please enter a valid number within the given range!**  Please enter the number of the days: **0**  **0 is not in the range 1 and 1000**  **Unexpected data: 0, please enter a valid number within the given range!**  Please enter the number of the days: **1001**  **1001 is not in the range 1 and 1000**  **Unexpected data: 1001, please enter a valid number within the given range!**  … |

### *3. teszteset: be8.txt*

|  |
| --- |
| **Bemenet** – érvénytelen mérési adat (tartományon kívül, nem szám) |
| settlementCount = 3  numberOfDays = 3  measures0,0..0,3 = -10 0 10  measures1,0..1,3 = **ketto** 50 5 10  measures2,0..2,3 = **-51** 4 10 **51** 10 |
| **Kimenet** |
| …  Please enter the 2. settlement's 1. temperature: **ketto**  **Unexpected data: NAN!, please enter a valid number within the given range!**  Please enter the 2. settlement's 1. temperature: 50  Please enter the 2. settlement's 2. temperature: 5  Please enter the 2. settlement's 3. temperature: 10  Please enter the 3. settlement's 1. temperature: **-51**  **-51 Celsius is not in the range -50 and 50**  **Unexpected data: -51, please enter a valid number within the given range!**  Please enter the 3. settlement's 1. temperature: 4  Please enter the 3. settlement's 2. temperature: 10  Please enter the 3. settlement's 3. temperature: **51**  **51 Celsius is not in the range -50 and 50**  **Unexpected data: 51, please enter a valid number within the given range!**  … |