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| Назва тестового набору  Test Suite Description | TS\_9\_4 |
| Назва проекта / ПЗ  Name of Project / Software | Berestenko\_task |
| Рівень тестування  Level of Testing | системний / System Testing |
| Автор тест-сьюта  Test Suite Author | Берестенко Даниїл |
| Виконавець  Implementer | Берестенко Даниїл |

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| Ід-р тест-кейса / Test Case ID | Дії (кроки) /  Action  (Test Steps) | Очікуваний  результат /  Expected Result | Результат тестування (пройшов/не вдалося/ заблокований) /  Test Result (passed/failed/ blocked) |
| TS-1 | 1. Запустити програму | d - calls a function s\_calculation  j - calls a binary function  h - calls a bofort\_bal function  g - calls a population\_flow function  'k','K' and 'к' terminate the program | PASSED |
| TS-2 | 1. Ввести “t” 2. Ввести d 3. Ввести 3 4. Ввести 1 5. Ввести 2 | d - calls a function s\_calculation  j - calls a binary function  h - calls a bofort\_bal function  g - calls a population\_flow function  'k','K' and 'к' terminate the program  Enter symbol (d/j/h/g/k/K/к):  \*Звуковий сигнал\*  Enter symbol (d/j/h/g/k/K/к):  Enter x value: 3  Enter y value: 1  Enter z value: 2  the result of expression S = -4.10265  Enter symbol (d/j/h/g/k/K/к): | PASSED |
| TS-3 | 1. Ввести “j” 2. Ввести 64320 3. Ввести “k” | d - calls a function s\_calculation  j - calls a binary function  h - calls a bofort\_bal function  g - calls a population\_flow function  'k','K' and 'к' terminate the program  Enter symbol (d/j/h/g/k/K/к):  Enter number in range 0 - 500700: 64320  Tne amount of binary zeros or onces is 8  \*Закриття додатку\* | PASSED |
| TS-4 | 1. Ввести “d” 2. Ввести 16000 3. Ввести 873 4. Ввести 432 5. Ввести 250 6. Ввести 320 7. Ввести “j” 8. Ввести 432081 | d - calls a function s\_calculation  j - calls a binary function  h - calls a bofort\_bal function  g - calls a population\_flow function  'k','K' and 'к' terminate the program  Enter symbol (d/j/h/g/k/K/к):  Enter symbol (d/j/h/g/k/K/к):  Enter population of the region: 16000  Enter number of birth on the region: 873  Enter number of death cases of the region: 432  Enter number of emigration cases in the region: 250  Enter number of imigration cases in the region: 320  Curent number of population in the region is 15629  Curent number of changes in the region is -371  Enter symbol (d/j/h/g/k/K/к):  Enter number in range 0 - 500700: 432081  Tne amount of binary zeros or onces is 11 | PASSED |
| TS-5 | 1. Ввести “h” 2. Ввести 1.2, 0.1, 5.9, 31.0, 16.4, 11.1, 10.2, 0.8, 22.6, 21.1, 11.9, 20.1, 13.1, 18.4, 19.5, 27.8, 16.9, 23.4, 21.9, 30.1, 11.3, 12.1, 21.0, 20.2 3. Ввести “к” | d - calls a function s\_calculation  j - calls a binary function  h - calls a bofort\_bal function  g - calls a population\_flow function  'k','K' and 'к' terminate the program  Enter symbol (d/j/h/g/k/K/к):  Enter wind power per hour of 24 hours: 1.2  Enter wind power per hour of 24 hours: 0.1  Enter wind power per hour of 24 hours: 5.9  Enter wind power per hour of 24 hours: 31.0  Enter wind power per hour of 24 hours: 16.4  Enter wind power per hour of 24 hours: 11.1  Enter wind power per hour of 24 hours: 10.2  Enter wind power per hour of 24 hours: 0.8  Enter wind power per hour of 24 hours: 22.6  Enter wind power per hour of 24 hours: 21.1  Enter wind power per hour of 24 hours: 11.9  Enter wind power per hour of 24 hours: 20.1  Enter wind power per hour of 24 hours: 13.1  Enter wind power per hour of 24 hours: 18.4  Enter wind power per hour of 24 hours: 19.5  Enter wind power per hour of 24 hours: 27.8  Enter wind power per hour of 24 hours: 16.9  Enter wind power per hour of 24 hours: 23.4  Enter wind power per hour of 24 hours: 21.9  Enter wind power per hour of 24 hours: 30.1  Enter wind power per hour of 24 hours: 11.3  Enter wind power per hour of 24 hours: 12.1  Enter wind power per hour of 24 hours: 21.0  Enter wind power per hour of 24 hours: 20.2  Beafort bal of the weakest wind power in 24 hours is 0  \*Закриття програми\* | PASSED |