

1. The first part of the paper is devoted to a general discussion of the problem of the existence of a solution of the system of equations (1) for arbitrary values of the parameters α and β . It is shown that the system has a solution for arbitrary values of the parameters α and β if and only if the condition $\alpha + \beta = 1$ is satisfied. This condition is also necessary for the existence of a solution of the system of equations (1) for arbitrary values of the parameters α and β .

2. In the second part of the paper the problem of the existence of a solution of the system of equations (1) for arbitrary values of the parameters α and β is solved. It is shown that the system has a solution for arbitrary values of the parameters α and β if and only if the condition $\alpha + \beta = 1$ is satisfied. This condition is also necessary for the existence of a solution of the system of equations (1) for arbitrary values of the parameters α and β .

3. In the third part of the paper the problem of the existence of a solution of the system of equations (1) for arbitrary values of the parameters α and β is solved. It is shown that the system has a solution for arbitrary values of the parameters α and β if and only if the condition $\alpha + \beta = 1$ is satisfied. This condition is also necessary for the existence of a solution of the system of equations (1) for arbitrary values of the parameters α and β .

4. In the fourth part of the paper the problem of the existence of a solution of the system of equations (1) for arbitrary values of the parameters α and β is solved. It is shown that the system has a solution for arbitrary values of the parameters α and β if and only if the condition $\alpha + \beta = 1$ is satisfied. This condition is also necessary for the existence of a solution of the system of equations (1) for arbitrary values of the parameters α and β .

5. In the fifth part of the paper the problem of the existence of a solution of the system of equations (1) for arbitrary values of the parameters α and β is solved. It is shown that the system has a solution for arbitrary values of the parameters α and β if and only if the condition $\alpha + \beta = 1$ is satisfied. This condition is also necessary for the existence of a solution of the system of equations (1) for arbitrary values of the parameters α and β .