

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

which are satisfied by the functions u_i and v_i in the domain G of the plane. It is shown that the system of equations has a solution if and only if the functions f_i and g_i satisfy certain conditions.

2. In the second part of the paper the problem of the existence of a solution of the system of equations is solved for the case when the functions f_i and g_i are continuous and satisfy the conditions of the theorem of the first part. It is shown that the system of equations has a solution if and only if the functions f_i and g_i satisfy certain conditions.