```sql
CREATE DEFINER=`root`@`localhost` FUNCTION `update_article_thumbs`
    (uid varchar(255), aid varchar(255)) RETURNS int
begin
    declare isExist int;
    declare isThumbs int;
    select count(*) into isExist from user_article_likes
        where user_id = uid and article_id = aid;
    if isExist = 0 then
        insert into user_article_likes
            (user_id, article_id, is_thumbs_up)
            values (uid, aid, 1);
        update topic t, article a
            set t.thumbs_up_count = t.thumbs_up_count + 1,
            a.thumbs_up_count = a.thumbs_up_count + 1
            where a.topic_id =t._id and a._id = aid;
        return 0;
    else
        select is_thumbs_up into isThumbs from user_article_likes
            where user_id = uid and article_id = aid;
        if isThumbs = 0 then
            update user_article_likes set is_thumbs_up = 1
                where user_id = uid and article_id = aid;
            update topic t, article a, user u
                set t.thumbs_up_count = t.thumbs_up_count + 1,
                a.thumbs_up_count = a.thumbs_up_count + 1,
                u.integral_count =  u.integral_count + 1
                where a.topic_id =t._id and a._id = aid and u._id = a.author_id;
            return 0;
        else
            return 1;
        end if;
    end if;
end
```