```
function T_i = find_T_i(dh_table, i, symbolic)
    a_i_minus_1     = dh_table(i, 1);
    alpha_i_minus_1 = dh_table(i, 2);
    d_i             = dh_table(i, 3);
    theta_i         = dh_table(i, 4);

    ci = cosd(theta_i);
    si = sind(theta_i);

    if symbolic==true
        c = sym(strcat('c', num2str(i)));
        s = sym(strcat('s', num2str(i)));

        syms ci
        syms si

        ci = subs(c, c);
        si = subs(s, s);
    end

    d_var_name = char(dh_table(i, 3));
    if contains(d_var_name, 'd')
        prismatic = true;
    else
        prismatic = false;
    end

    if prismatic==true && theta_i == 0
        ci = 1;
        si = 0;
    end

    T_i =   [
            [        ci                 , -si                               ,          0            , a_i_minus_1                 ]
            [si * cosd(alpha_i_minus_1) ,  ci * cosd(alpha_i_minus_1)       , -sind(alpha_i_minus_1), -sind(alpha_i_minus_1) * d_i ]
            [si * sind(alpha_i_minus_1) ,  ci * sind(alpha_i_minus_1)       ,  cosd(alpha_i_minus_1),  cosd(alpha_i_minus_1) * d_i ]
            [             0             ,                   0               ,          0            , 1                           ]
    ];
end
```

```
Not enough input arguments.

Error in find_T_i (line 2)
    a_i_minus_1     = dh_table(i, 1);
```

Published with MATLAB® R2021a