```matlab
%%INterface with LTSPice .asc files
% component_find = LTmodify( file_name, component, value )
%
% Author: JCCopyrights Summer 2019
% This function will search for a specific component in a .asc
 simulation file and
% modify its value
%
```

Parameters

- @param **file_name** Name of .asc file to be executed. It must be in the /sim folder of the project

- @param **component** Name of the component to be modified

- @retval **component_find** True if the component is found in the .asc

Code

```matlab
function component_find = LTmodify_param( file_name, component,
 value )
repo_path='C:\Users\johnc\Dropbox\TFM\source\MIF3\';
sim_path=[repo_path 'sim\'];
S = fileread([sim_path file_name]);
C = strsplit(S, '\n');
i=1;
component_find=false;
spice_component=sprintf('.param %s', component);
while isempty(strfind(C{i},spice_component))
 i=i+1;
 component_find=true;
end
if component_find
 %disp('Component Found')
 %disp(i)
 aux_break=strfind(C{i},'=');
 C{i}=C{i}(1:aux_break);
 spice_value=[C{i},value];
 C{i}=spice_value;
 fid = fopen([sim_path file_name], 'w');
 for i=1:1:length(C)
  fprintf(fid, '%s\n', C{i});
 end
 %disp('Component Value replaced')
 fclose(fid);
else
 disp('Component not Found')
end
```

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