```
%%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

```
function component_find = LTmodify( 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('SYMATTR InstName %s', component);
 while isempty(strfind(C{i},spice_component))
  i=i+1;
  component_find=true;
 end
 if component_find
  %disp('Component Found')
  spice_value=sprintf('SYMATTR Value  %s', value);
  C{i+1}=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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