```
function [Coeffs, Terms] = coeffs_Vector(sym_Vector, target_Variables)
if ~iscolumn(sym_Vector)
    error('sym_Vector must be a column vector')
end
target_Variables = [target_Variables, 1];
Coeffs = sym(zeros(size(sym_Vector, 1), size(target_Variables, 2)));
Terms = target_Variables;
for jj = 1:size(sym_Vector, 1)
    [coeffs_Tmp, terms_Tmp] = coeffs(sym_Vector(jj),
 target_Variables(1:end-1));
    if jj == 1
        Coeffs = coeffs Tmp;
        Terms = terms_Tmp;
    else
        coeffs_adding = sym( zeros( 1, size(Coeffs,2) ) );
        for ii = 1:size(terms Tmp, 2)
            is_contained = false;
            for kk = 1:size(Terms,2)
                if isequal( terms_Tmp(ii), Terms(kk) )
                    % When terms_Tmp(ii) already exist in Terms
                    % add coeffs
                    coeffs_adding(kk) = coeffs_Tmp(ii);
                    is_contained = true;
                    break
                end
            end
            if ~is contained
                % When terms_Tmp(ii) does not exist in Terms
                % add zero column at the end of Coeffs, and terms_Tmp(ii) at
 the end of Terms
                Coeffs = [Coeffs, zeros( size(Coeffs, 1) )];
                Terms = [Terms, terms_Tmp(ii)];
                coeffs_adding = [coeffs_adding, coeffs_Tmp(ii)];
            end
        end
        Coeffs = [Coeffs; coeffs adding];
    end
end
end
#############
###: coeffs_Vector (# 3)
```

if ~iscolumn(sym_Vector)

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