
```
% Problem 1b)

% interp_monomial function
% this function returns the coefficient of the monomial
% interpolation.
%
% Input parameters : x,y      These are the x and y values
%                      for which interpolation is performed.
% Output : vector of coefficient.

function c = interp_monomials(x,y)

n = length(y);

% constructing V Matrix
V = zero(n,n);
for i = 1:n
    for j = 1 : n
        V(i,j) = x(i)^(j-1);
    end
end
c = gspp(V,y);
end
```

Published with MATLAB® R2016b