```matlab
function xy = generate_feature_matrix(str, q)
% xy = generate_feature_matrix(str, q)
%
%   Generates feature matrix for `str` (all `i = 1:q` subsequences lengths up to max)
%
%   Parameters:
%       str - string to generate feature matrix for
%       q   - max subsequence length
%
%   Return:
%       xy - feature matrix for `str`
xy = [];
for i = 1:q
    xy = [xy; {compute_features(str, i)}];
end
end
```

Published with MATLAB® R2017b