```matlab
% Sets up the network parameters according to the specified values, dataset
% split indices are applied
function net = setupNetwork(layers, maxVal, epochs, trainfcn, train_idx, val_idx, test_idx)

    net = patternnet(layers,trainfcn);
    net.divideFcn = 'divideind';
    net.trainParam.max_fail = maxVal;
    net.trainParam.epochs = epochs;
    net.divideParam.trainInd = train_idx;
    net.divideParam.valInd = val_idx;
    net.divideParam.testInd = test_idx;

end
```