```
A = [0.8, -0.4, 0]
     -0.4 ,0.8 ,-0.4;
      0, -0.4, 0.8];
B = [41;25;105];
n = length(A);
Xf = zeros(n,1);
Xg = zeros(n,1);
error = 0.000001;
W = 1.2;
while 1>0
    for i = 1:n
        sum = 0;
        for j = 1: n
            if ( i ~= j)
                sum = sum + (A(i,j)*Xf(j));
            end
        end
        Xf(i) = Xg(i);
        Xg(i) = (B(i) - sum)/A(i,i);
        Xf(i) = Xf(i) + w*(Xg(i) - Xf(i));
    end
     if abs((Xg - Xf)/Xf) < error</pre>
        break;
     end
end
```

Xf