```
>> % 5x+4y=5
>> % 1x+3y=6
>> M = [5 4;1 3]

M =


   5   4
   1   3


>> w=[5 6]

w =


   5   6


>> M\w'

ans =


  -0.8182
   2.2727


>> tx=linspace(0,15,16)

tx =


   0   1   2   3   4   5   6   7   8   9   10   11   12   13   14   15


>> ty=linspace(0,15,16)

ty =


   0   1   2   3   4   5   6   7   8   9   10   11   12   13   14   15


>> surface=rand(16)

surface =
```

7.0664e-01 9.5091e-01 7.6939e-01 2.9747e-01 1.6438e-01 2.9925e-01 5.3926e-01
3.2103e-01 8.1939e-01 6.0813e-01 5.2224e-01 2.4534e-01 6.2806e-01 8.2791e-01
9.3552e-01 3.5613e-01

5.9457e-01 7.8017e-01 7.0417e-01 7.2017e-02 3.2283e-01 7.9407e-01 6.4680e-01
5.1008e-01 3.1303e-01 5.2007e-01 1.8910e-01 3.0542e-01 9.2665e-01 2.0547e-01
8.2098e-01 7.5770e-02

8.4926e-01 6.4953e-01 9.8588e-01 6.8805e-01 1.3057e-01 2.3146e-01 9.2401e-01
5.7940e-01 5.1392e-01 5.5027e-01 7.4916e-01 4.6548e-01 3.6348e-01 8.3678e-01
8.2303e-01 3.0597e-01

5.7330e-01 4.7830e-01 6.4882e-01 9.5751e-01 8.1257e-01 8.7961e-01 3.6199e-01
1.1543e-01 8.3658e-01 1.3129e-01 3.3457e-01 8.6939e-02 1.5936e-01 7.9529e-01
3.5211e-01 2.3065e-01

6.6628e-01 8.4900e-01 9.1195e-01 6.5998e-01 5.9252e-01 3.9216e-01 1.8187e-01
4.3173e-01 4.5644e-01 9.0803e-01 5.9542e-01 2.9578e-01 3.1771e-01 8.6577e-01
5.8164e-01 6.5456e-01

8.8417e-01 1.7760e-01 4.8792e-01 3.5600e-01 5.0108e-01 3.4173e-02 9.3685e-01
3.1871e-01 9.0237e-01 9.2934e-01 5.0334e-02 4.2071e-01 3.5936e-01 5.9311e-01
1.1531e-01 8.2950e-02

6.8587e-01 7.5322e-02 3.9883e-01 3.1839e-02 1.1654e-01 4.3804e-02 9.1346e-02
7.1713e-01 8.0003e-01 6.4317e-02 4.4973e-01 9.2633e-01 4.1404e-01 1.6085e-01
3.7967e-01 3.5361e-01

2.6702e-02 5.1385e-01 3.1913e-01 2.3362e-01 4.7758e-01 1.4751e-01 9.0868e-01
7.5281e-01 4.7225e-01 8.7707e-01 3.9580e-01 7.0906e-01 5.7020e-01 8.4349e-01
1.7878e-01 1.2343e-01

5.6816e-01 5.1078e-01 2.1473e-01 8.9219e-01 9.0367e-01 8.3812e-01 3.8820e-01
3.3647e-01 7.1541e-01 7.6325e-01 3.6728e-01 3.6789e-01 7.3644e-01 4.6461e-01
2.0746e-02 6.4836e-01

4.0623e-01 1.4469e-01 6.5604e-01 3.8883e-01 1.0752e-01 8.2193e-03 9.5062e-01
2.4445e-01 5.7306e-01 2.8947e-01 3.4104e-01 2.6276e-01 2.2519e-01 2.6909e-01
4.8674e-01 7.7450e-01

7.4112e-01 1.3064e-01 8.6193e-01 6.9687e-02 2.2329e-01 8.5351e-01 9.9907e-01
6.3177e-01 1.6773e-01 7.6440e-01 6.7212e-01 3.9078e-01 2.3761e-01 5.9180e-01
3.6492e-01 4.0156e-01

3.1119e-01 9.8620e-01 8.1755e-02 2.7041e-01 5.9118e-01 2.7239e-01 4.5148e-01
1.5698e-01 4.3641e-01 5.9704e-01 8.6057e-01 5.2409e-01 1.7326e-01 6.9805e-01
5.7985e-01 3.7537e-01

5.5344e-02 9.0520e-01 5.4339e-02 3.4079e-01 3.7954e-01 2.4998e-01 7.3264e-01
3.8684e-01 9.5750e-01 3.7712e-01 1.3764e-01 5.7226e-01 2.3303e-01 7.3335e-01
5.5913e-01 1.6474e-01

```
   8.8166e-01  9.0843e-01  5.3532e-01  4.0282e-01  3.6689e-01  3.8151e-01  7.7279e-01
2.5694e-02  6.9866e-01  4.9408e-01  4.3617e-01  1.1579e-02  1.4684e-01  2.6908e-01
4.1085e-01  7.2614e-01

   2.7729e-01  1.2826e-02  7.0039e-01  1.6149e-01  8.4281e-01  7.6538e-01  9.2942e-01
4.7119e-01  3.1259e-01  8.6334e-01  6.1854e-01  8.0623e-01  3.1214e-01  8.4614e-01
7.1482e-01  5.3126e-01

   1.8446e-01  1.2495e-01  3.5905e-01  1.9922e-01  3.6407e-01  1.7029e-01  8.4910e-01
9.4562e-01  4.6465e-01  6.5935e-01  8.1441e-01  3.6162e-01  9.0919e-01  8.2321e-01
4.5657e-01  9.9731e-01
```

>> mesh (tx,ty,surface)

>> print -dpdf 'superficiealeatoria.pdf'

>> e

ans = 2.7183

>> format long

>> e

ans = 2.718281828459045

>> M*w

error: operator *: nonconformant arguments (op1 is 2x2, op2 is 1x2)

>> M.*w

ans =

```
  25   24
   5   18
```

>> size (M)

ans =

```
   2   2
```

>> size (w)

ans =