

```
>> [tiempo_sum,iter,error] = ProliferacionInvasion2D_MetodoImplicito✓  
(120,120)
```

```
tiempo_sum =
```

```
244.4688
```

```
iter =
```

```
0
```

```
error =
```

```
0
```

```
>> [tiempo] = ProliferacionInvasion2D_MetodoExplicito(120,120)
```

```
tiempo =
```

```
4.4844
```

```
>> clear
```

```
>> [tx,tiempo_Prom_explicit,tiempo_Prom_implicit,sdte,sdti] =✓  
implicit_vs_explicit(13)
```

```
100
```

```
1
```

```
2
```

```
3
```

```
4
```

```
5
```

```
400
```

```
1
```

```
2
```

```
3
```

```
4
```

5

900

1

2

3

4

5

1600

1

2

3

4

5

2500

1

2

3

4

5

3600

1

2

3

4

5

4900

1

2

3

4

5

6400

1

2

3

4

5

8100

1

2

3

4

5

10000

1

2

3

4

5

12100

1

2

3

4

5

14400

1

2

3

4

5

16900

1

2

3

4

5

tx =

100

400

900

1600

2500

3600

4900

```
6400
8100
10000
12100
14400
16900
```

```
tiempo_Prom_explicit =
```

```
0.0625
0.1875
0.2813
0.4625
0.7063
1.1094
1.5437
2.0656
2.6938
3.0406
3.8469
4.4594
5.2156
```

```
tiempo_Prom_implicit =
```

```
0.0250
0.0500
0.3125
2.0250
7.0187
14.0531
30.9719
52.1812
82.6188
119.6437
178.1031
248.4156
342.7281
```

```
sdte =
```

```
0.0574
0.1235
0.0518
0.0237
```

```
0.0131
0.0663
0.0447
0.1304
0.0786
0.0948
0.4167
0.3043
0.2225
```

```
sdti =
```

```
0.0140
0.0280
0.0884
0.2279
0.1905
0.6414
0.8112
1.9588
1.3547
0.4145
5.1665
1.8580
4.1581
```

```
>>
```