

```
>> P=randproj(4,2)
rank(P)=k
P=P^2
P=P^*
It worked!
```

P =

0.3402	-0.0028	0.4087	0.2396
-0.0028	0.5277	0.2518	-0.4311
0.4087	0.2518	0.6145	0.0803
0.2396	-0.4311	0.0803	0.5176

```
>> P=randproj(4,4)
rank(P)=k
P=P^2
P=P^*
It worked!
```

P =

1.0000	0.0000	0.0000	-0.0000
0.0000	1.0000	0.0000	-0.0000
0.0000	0.0000	1.0000	-0.0000
-0.0000	-0.0000	-0.0000	1.0000

```
>> P=randproj(3,1)
rank(P)=k
P=P^2
P=P^*
It worked!
```

P =

0.7934	0.3918	0.1022
0.3918	0.1935	0.0505
0.1022	0.0505	0.0132

```
>>
```