

```
A = [0.75 0.25;0.25 0.75]
```

```
A = 2×2  
    0.7500    0.2500  
    0.2500    0.7500
```

```
x0 = [30; 32]
```

```
x0 = 2×1  
    30  
    32
```

```
x1 = A*x0
```

```
x1 = 2×1  
   30.5000  
   31.5000
```

```
A
```

```
A = 2×2  
    0.7500    0.2500  
    0.2500    0.7500
```

```
A^2
```

```
ans = 2×2  
    0.6250    0.3750  
    0.3750    0.6250
```

```
A*A
```

```
ans = 2×2  
    0.6250    0.3750  
    0.3750    0.6250
```

```
format short
```

```
x10 = A^10 * x0
```

```
x10 = 2×1  
   30.9990  
   31.0010
```