

```
alpha =.8
```

```
alpha = 0.8000
```

```
beta = .95
```

```
beta = 0.9500
```

```
a=1-alpha;  
b=1-beta;  
P1=[ 1-a a];  
P2=[b 1-b];  
P=[P1;P2];  
n=8;  
P^n
```

```
ans = 2×2  
    0.2801    0.7199  
    0.1800    0.8200
```

```
1/(a+b )* [b a;b a] + (1-a-b)^n/(a+b) *[a -a;-b b]
```

```
ans = 2×2  
    0.2801    0.7199  
    0.1800    0.8200
```