```
alpha = Sqrt[3]
```

$\sqrt{3}$

```
Table[
 Floor[10 FractionalPart[n alpha]],
 {n, 1000}
]
```

{7, 4, 1, 9, 6, 3, 1, 8, 5, 3, 0, 7, 5, 2, 9, 7, 4, 1, 9, 6, 3, 1, 8, 5, 3, 0, 7, 4, 2, 9, 6, 4,
 1, 8, 6, 3, 0, 8, 5, 2, 0, 7, 4, 2, 9, 6, 4, 1, 8, 6, 3, 0, 7, 5, 2, 9, 7, 4, 1, 9, 6, 3,
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 2, 0, 7, 4, 1, 9, 6, 3, 1, 8, 5, 3, 0, 7, 5, 2, 9, 7, 4, 1, 9, 6, 3, 1, 8, 5, 3, 0, 7,
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