

```
LuckyQ[n_] := Equal @@ (Total /@ Partition[IntegerDigits[n, 10, 6], 3])
```

```
LuckyQ[100]
```

```
False
```

```
LuckyQ[10 001]
```

```
True
```

```
l = Select[Range[0, 999 999], LuckyQ]
```

A very large output was generated. Here is a sample of it:

```
{0, 1001, 1010, 1100, 2002, 2011, 2020, 2101, 2110, 2200, 3003, 3012, 3021, 3030,  
3102, 3111, 3120, 3201, 3210, 3300, 4004, <<55 210>>, 995 995, 996 699, 996 789,  
996 798, 996 879, 996 888, 996 897, 996 969, 996 978, 996 987, 996 996, 997 799,  
997 889, 997 898, 997 979, 997 988, 997 997, 998 899, 998 989, 998 998, 999 999}
```

Show Less

Show More

Show Full Output

Set Size Limit...

```
Length[l]
```

```
55 252
```

```
Plus @@ l
```

```
27 625 972 374
```

```
(Plus @@ l) / 13
```

```
2 125 074 798
```

```
(Plus @@ l) / 1001
```

```
27 598 374
```