Eban Numbers • Mark Senn • last updated on 2022-01-23 at 13:16-05.

Problem Statement

From The Weekly Challenge - 148 Task #1: Eban Numbers retrieved on 2022-01-23 at 13:20-05:

Submitted by: Mohammad S Anwar

Write a script to generate all Eban Numbers <= 100.

An Eban number is a number that has no letter 'e' in it when the number is spelled in English (American or British).

Example

```
2, 4, 6, 30, 32 are the first 5 Eban numbers.
```

Note

I'm using American English.

(The rest of this page is intentionally left blank.)

Raku Solution

```
$_ = q:to/END/;
    unused
    one       two        three     four      five
    six       seven      eight     nine      ten
    eleven    twelve     thirteen  fourteen  fifteen
    sixteen   seventeen  eighteen  nineteen  twenty
    ?         ?          ?         ?         ?
    ?         ?          ?         ?         thirty
    ?         ?          ?         ?         ?
    ?         ?          ?         ?         forty
    ?         ?          ?         ?         ?
    ?         ?          ?         ?         fifty
    ?         ?          ?         ?         ?
    ?         ?          ?         ?         sixty
    ?         ?          ?         ?         ?
    ?         ?          ?         ?         seventy
    ?         ?          ?         ?         ?
    ?         ?          ?         ?         eighty
    ?         ?          ?         ?         ?
    ?         ?          ?         ?         ninety
    ?         ?          ?         ?         ?
    ?         ?          ?         ?         one hundred
    END

# Change all newlines to two spaces.
s:g/\n/  /;

# Delete spaces at the end of line.
s/\s*$$//;

# Split on two or more spaces.
my @spelled = .split(/\s\s+/);

# Fill in 21...29, 31...39, 41...49, ..., 91...99.
for (20, 30, 40 ... 90) -> $i {
    for (1 .. 9) -> $j {
        @spelled[$i+$j] = @spelled[$i] ~ '-' ~ @spelled[$j];
    }
}

# Print out numbers with no 'e' in the numbers' names.
(1..100).map({@spelled[$_].contains('e') or .say});
```