

# Long count

This is a regex golf problem. You have to write a regex that matches all lines from one list and none from the second one. Matching is implemented as Perl's `m//`, so it's not a precise match. E.g. to match "SPOJ" you don't need regex `/^SPOJ$/` since it's enough to write `/PO/` or `/J/`.

The regexes submitted should be compatible with Perl regular expressions (version 5.20.1).

Score is calculated as follows: it's equal to the length of your regex and for every line from the first list that's not matched by your regex  $X$  points are added to your score. Analogically, for every line from the second list that's matched by your regex  $X$  points are added to your score. The lower your score is, the better.  $X$  often equals 10 but it's different in some problems. Check below this problem's  $X$  value.

To quickly check the quality of your solution visit the original [regex golf project](#).

Please don't look for solutions for this problem online or at least don't post them here if you didn't come up with them on your own.

## Match all of these...

```
0000 0001 0010 0011 0100 0101 0110 0111 1000 1001 1010 1011 1100 1101 1110 1111
```

## And none of these...

```
0000 0001 0000 0011 0100 0101 0110 0110 1000 1001 1010 1011 1100 1101 1110 1111
0000 0001 0010 0010 0100 0101 0110 0111 1000 1001 1010 1011 1100 1101 1110 1111
0000 0001 0010 0011 0000 0101 0110 0111 1000 1001 1010 1011 1100 1101 1110 1111
0000 0001 0010 0011 0100 0101 0110 0011 1000 1001 1010 1011 1100 1101 1110 1111
0000 0001 0010 0011 0100 0101 0110 0111 1000 0001 1010 1011 1100 1101 1110 1111
0000 0001 0010 0011 0100 0101 0110 0111 1000 1000 1010 1011 1100 1101 1110 1111
0000 0001 0010 0011 0100 0101 0110 0111 1000 1001 1010 1001 1100 1101 1110 1111
0000 0001 0010 0011 0100 0101 0110 0111 1000 1001 101011011 1100 1101 1110 1111
0000 0001 0010 0011 0100 0101 0110 0111 1000 1001 1110 1011 1100 1101 1110 1111
0000 0001 0010 0011 0100 0101 0110 0111 1010 1001 1010 1011 1100 1101 1110 1111
0000 0001 0010 0011 0100 0101 0110 011111000 1001 1010 1011 1100 1101 1110 1111
0000 0001 0010 0011 0100 0101 0111 0111 1000 1001 1010 1011 1100 1101 1110 1111
0000 0001 0010 0011 0100 0101 1110 0111 1000 1001 1010 1011 1100 1101 1110 1111
0000 0001 0010 0011 0100 0111 0110 0111 1000 1001 1010 1011 1100 1101 1110 1111
0000 0001 0010 0011 010010101 0110 0111 1000 1001 1010 1011 1100 1101 1110 1111
0000 0001 0010 1011 0100 0101 0110 0111 1000 1001 1010 1011 1100 1101 1110 1111
0000 000110010 0011 0100 0101 0110 0111 1000 1000 1010 1011 1100 1101 1110 1111
0000 0101 0010 0011 0100 0101 0110 0111 1000 1001 1010 1010 1100 1101 1110 1111
0001 0001 0010 0011 0100 0101 0110 0111 1000 1001 1010 1011 1100 1100 1110 1111
1000 0001 0010 0011 0100 0101 0110 0111 1000 1001 1010 1011 1100 1101 1110 1110
```

$$X = 270$$