
Digit Conversion Function**X27470_en**

Write a function `conv_dig(test, conv)` that returns a digit conversion function. The returned function takes a positive integer n and returns a new integer where each digit d of n that passes the test (`test(d) == True`) is replaced by its conversion `conv(d)`. Digits of n that do not pass the test are to be left unchanged by the digit conversion function.

Input**Output****Sample input 1**

```
lambda d: d % 2 == 0
lambda d: d // 2
21098
1032547698
====
lambda d: d < 5
lambda d: 2
1064592
9876543210
```

Sample output 1

```
21098 11094
1032547698 1031527394
1064592 2262592
9876543210 9876522222
```

Observation

Let us insist that the digit conversion function described is *not* the required `conv_dig` proper, but its output.

Problem information

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