

Problem # 10 :

Input

- wrong-num
 - last_2_digit = 0
 - correct_num = 0
 - ~~place~~ (e.g. 1, 10, 100)
- ↑
- place = 1

Process

- While wrong-num > 0
 - num % 100 = last_2-digit
 - If last_2-digit == 90
 - correct_num = correct_num + (9 x place)
 - wrong_num = wrong_num / 100
 - Else
 - last_2_digit = wrongnum % 10
 - correctnum = (last_2digit x place) + correctnum
 - wrongnum /= 10
 - place = place x 10
 - Repeat if wrong-num > 0
- END

Output

Print
correct_num

Flow chart

