

Bizonyítsuk be, hogy

$$\left(\overset{1}{9} \overset{2}{9} \dots \overset{n}{9} \right)^2 = \overset{1}{9} \overset{2}{9} \dots \overset{n-1}{9} 8 \overset{1}{0} \overset{2}{0} \dots \overset{n-1}{0} 1.$$