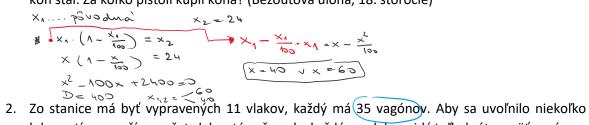
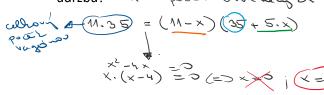
ZHRNUTIE KVADRATICKÝCH ROVNÍC V ŠTYROCH ÚLOHÁCH

1. Kupec kúpil koňa a po čase ho predal za 24 pištolí. Pritom stratil toľko percent, koľko pištolí ho kôň stál. Za koľko pištolí kúpil koňa? (Bézoutova úloha, 18. storočie)



lokomotív, zmenší sa počet vlakov tým, že sa ku každému vlaku pridá toľkokrát po päť vagónov, koľko lokomotív sa uvoľní. Tak budú vypravené všetky vagóny. Koľko lokomotív sa uvoľní na údržbu? x...pozat svolnenje a lakomotiv



3. Rovnica $x^2 + px + q = 0$ má korene x_1 ; x_2 , rovnica $x^2 - px + pq = 0$ má korene $x_1 + 1$; $x_2 + 1$. Určte čísla p, q.

$$x^{2} + px + q = 0 \implies x_{1} + x_{2} \implies x_{1} + x_{2} = -p$$

$$x^{2} - px + pq = 0 \implies x_{1} + 1 + x_{2} + 1 = pq$$

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$$y = 1 \implies x_{1} + x_{2} + x_{1} = pq$$

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4. Vyriešte rovnicu v množine reálnych čísel (x-2)|x+3|+6=0

