Numération chinoise à bâtons :

$(314)_{10} =$ III _ IIII

111 2 1 0

— III ⇝ $(13)_{10}$

| III ⇝ $(103)_{10}$ ou $(10003)_{10}$?

Numération Shadok :

GA BU ZO MEU

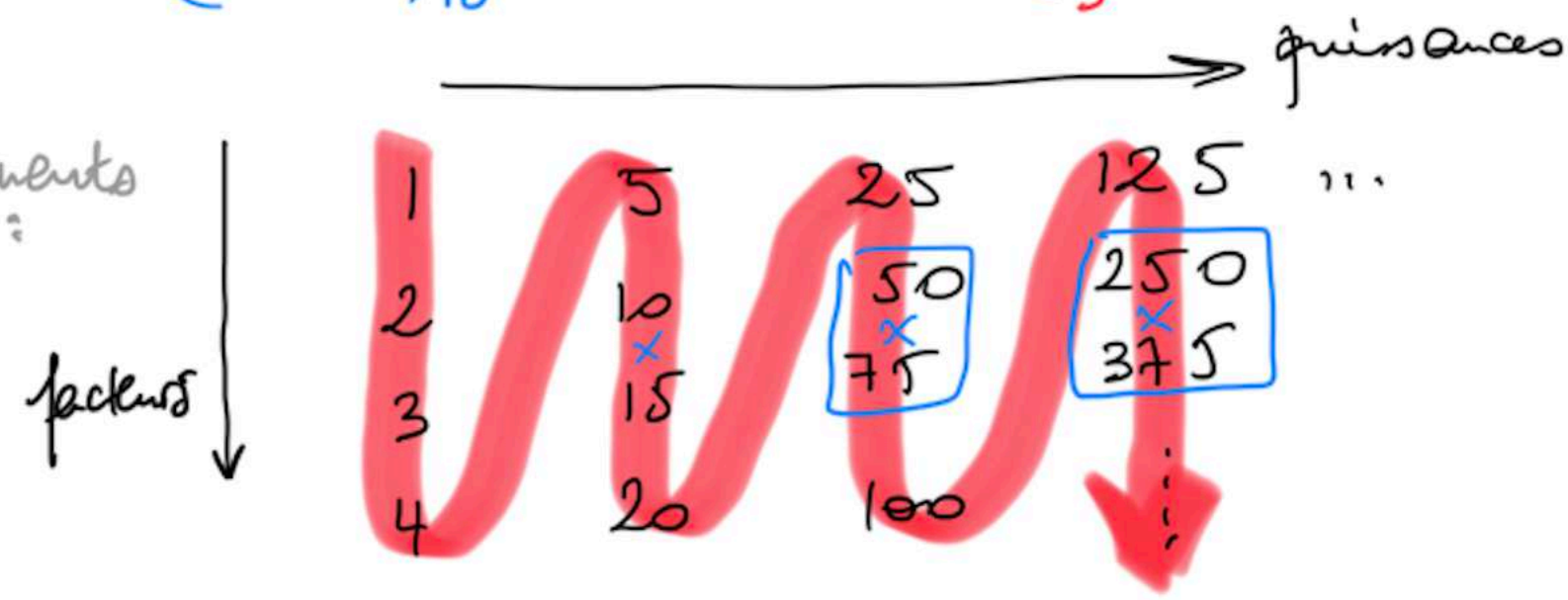
O _ ⊥ Δ

$(\_\ \bot\ \_)_{Shadok} = 1\times4^2 + 2\times4^1 + 1\times4^0 = 16+8+1 = (25)_{10}$

Conversions

$(314)_{10} = (\quad ? \quad)_5$

méthode par encadrements successifs :



$2.5^3 \leq 314 < 3.5^3$

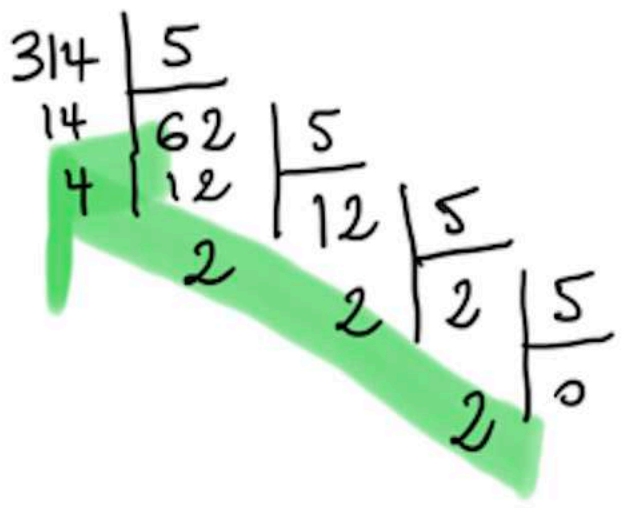
$2.5^2 \leq 64 < 3.5^2$

$2.5^1 \leq 14 < 3.5^1$

$4.5^0 \leq 4 < 1.5^1$

0

méthode par divisions successives :



$(314)_{10} = (2224)_5$

méthode de Horner :

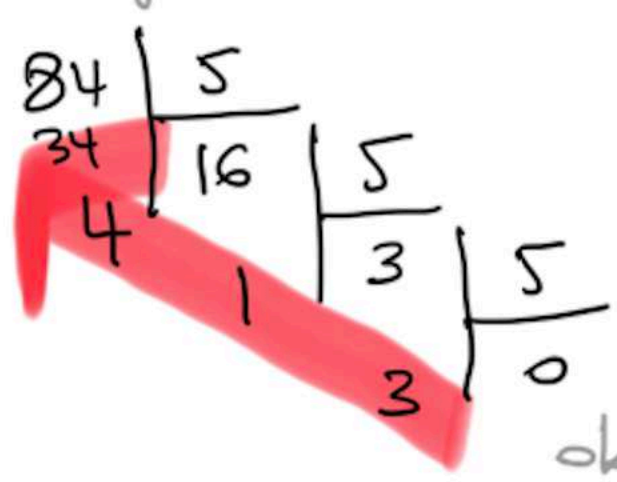
$(314)_5 = (\quad ? \quad)_{10}$

$((3)\times5 + 1)\times5 + 4$

15 16 80 84

$(314)_5 = (84)_{10}$

Vérification :



ok.