a)
$$\frac{11100}{(2)} = 1.2^{7} + 1.2^{5} + 1.2^{2}$$
 Tema 2.3
= $\frac{16 + 8 + 4}{28(30)}$

$$\begin{array}{rcl}
\text{(1)} & 231(6) & \longrightarrow ()_{10} \\
231(6) & = 2.6^{2} + 3.6^{4} + 4.6^{\circ} \\
& = 42 + 18 + 1 \\
& = 91(10)
\end{array}$$

Calcul. 47 109 (mod 213) 1) 47 (mod 113) = 2209 (mod 113) = 89 2) 47 (mod 113) = 89 (mod 113) = 7 921 (mod 113) = 15 3) [478 (mod 113) = 552 (mod 113) = 3025 (mod 113)=15 4) E473 (mod 113) = 152 (mod 113) = 225 (mod 113) = 5 5) (47) 32 (mod 112) = 52 (mod 112) = 25 6) (4) 64 (mod 113) = 252 (mod 113) = 625 (mod 113)=56 a (p) = 1 (mod b 47 109 = 47 64 + 47 32 . 47 47 47 147 1 47 208 (mod 113) = (56.25.15.55.47) (mod 113) = 136 mgd (86)