$\frac{1}{b}$

$(2018)_{10} = 2 \cdot 10^3 + 0 \cdot 10^2 + 1 \cdot 10^1 + 8 \cdot 10^0$

$\longrightarrow \quad 2048 - 2018 = 30 > 0 \longrightarrow \cdots$

$\cdots \longrightarrow (x)_2 = (d_{10} + d_9 + \cdots + d_0)_2$

2018	994	482	226	98	34	2				
-1024	-512	-256	-128	-64	-32	16	8	4	-1	
994	482	226	98	34	2					1

1 1 1 1 1 1 0 0 0 1

$(x)_2 = (1111110001)_2$