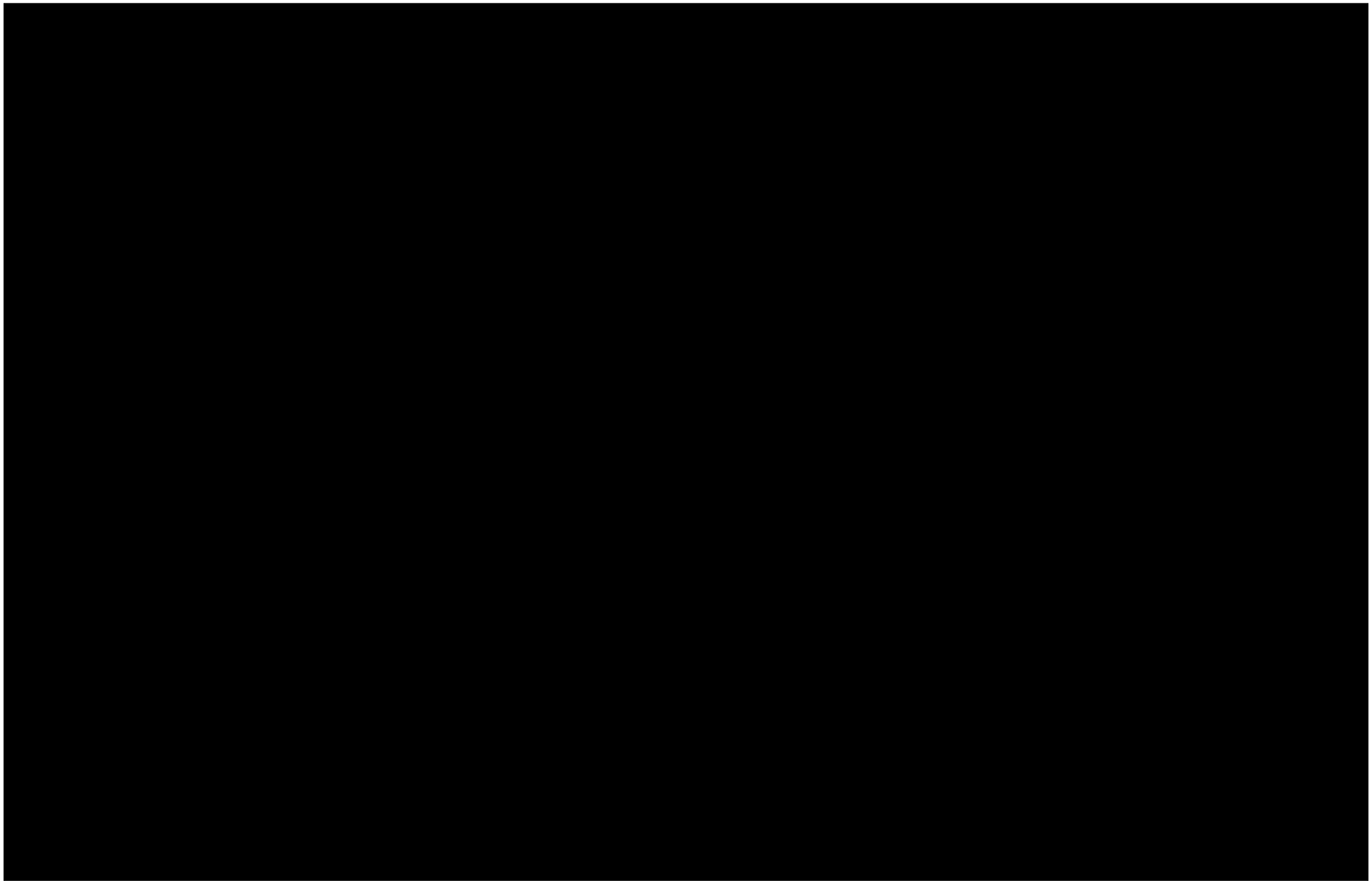
Quante configurazioni diverse sono possibili con 3 bit ?

R: $2^3=8$

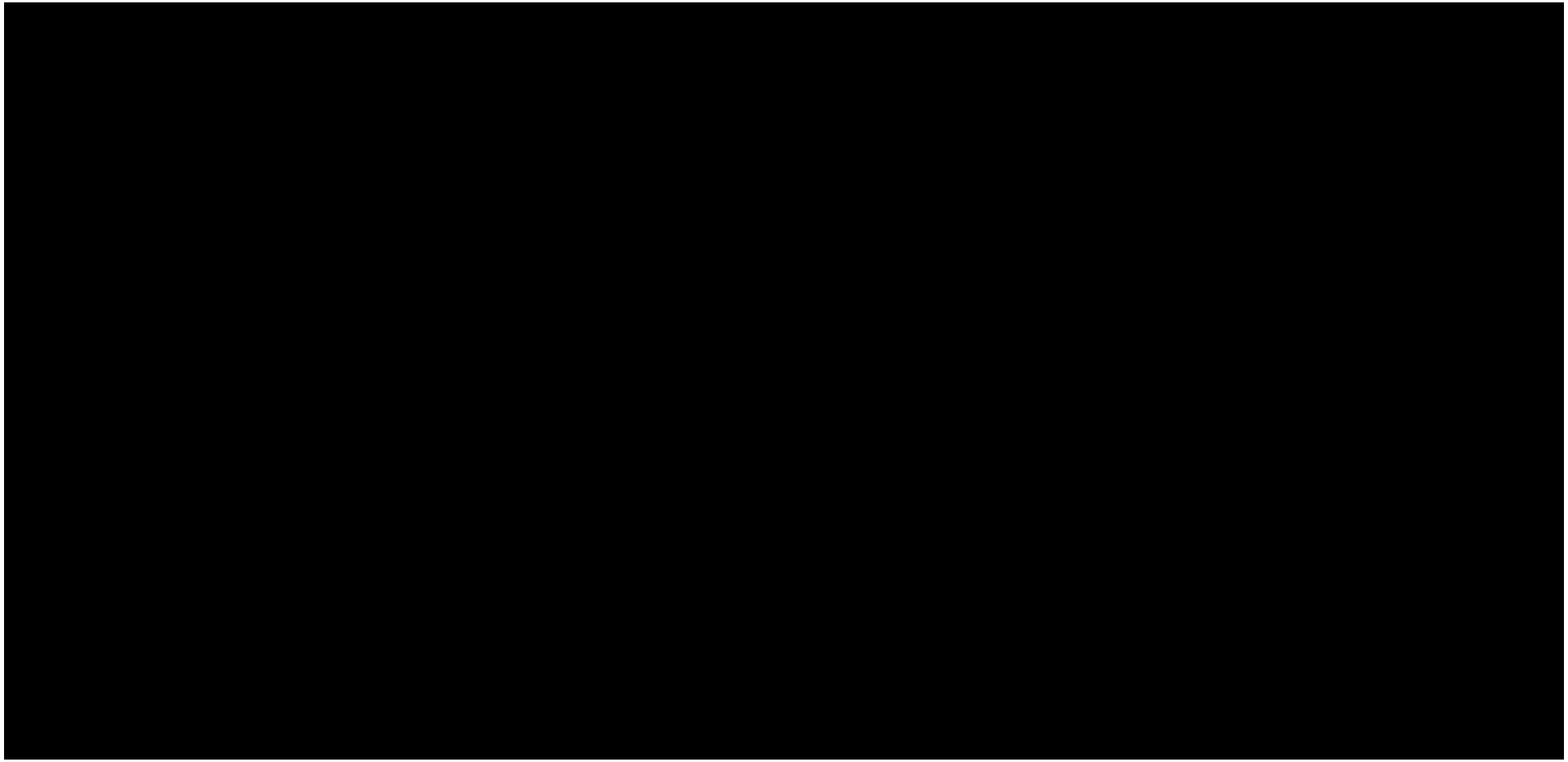


Elencare le configurazioni possibili con 3 bit

R:
000
001
010
011
100
101
110
111

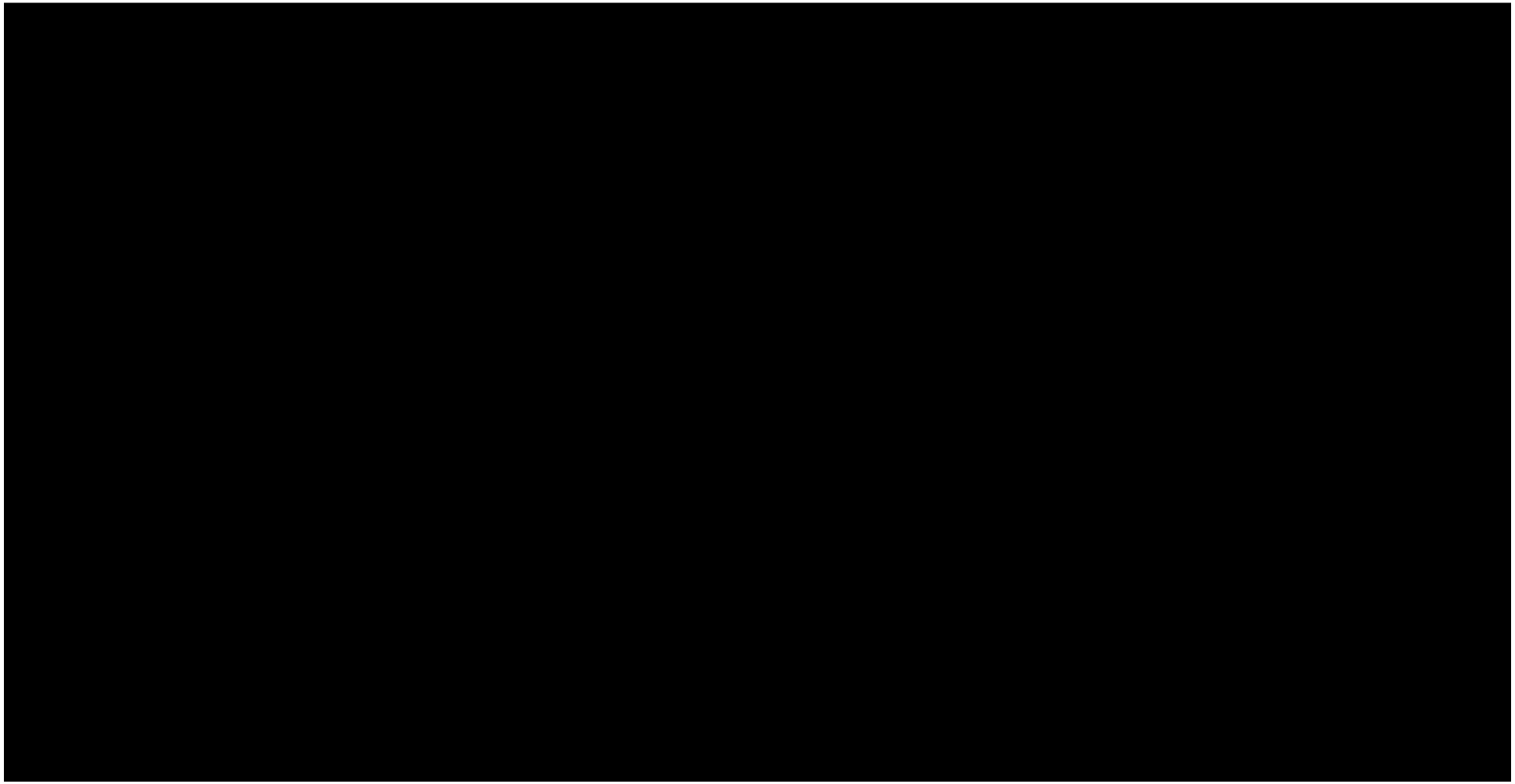
Qual è il numero minimo di bit necessari per rappresentare l’intero 21 ?

R: 5 bit (2^4-1=15; 2^5-1=31)



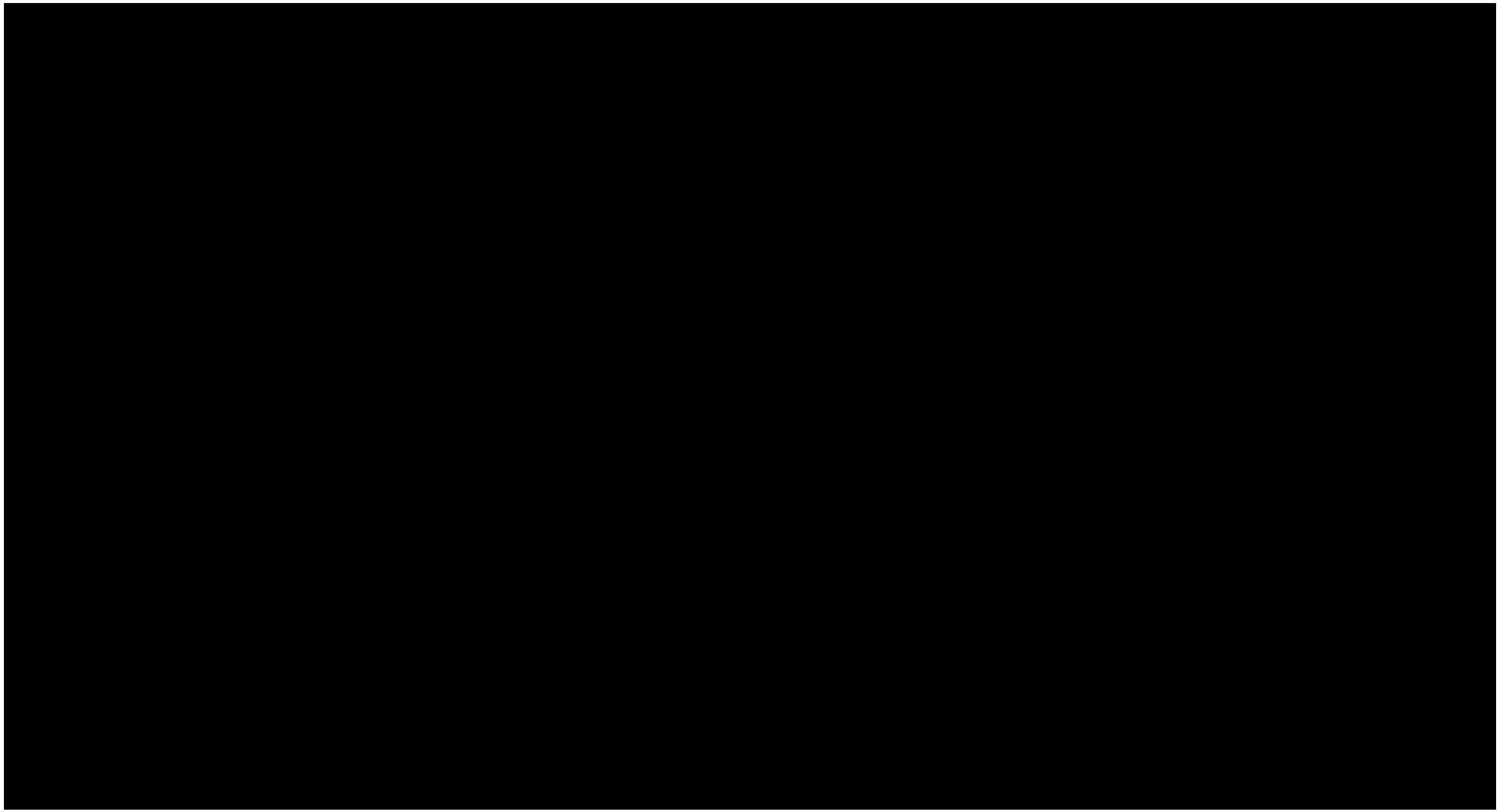
$30_{10} = ?_{2}$

R: 11110_{2}



$110101_2 = ?_{10}$

R: 53

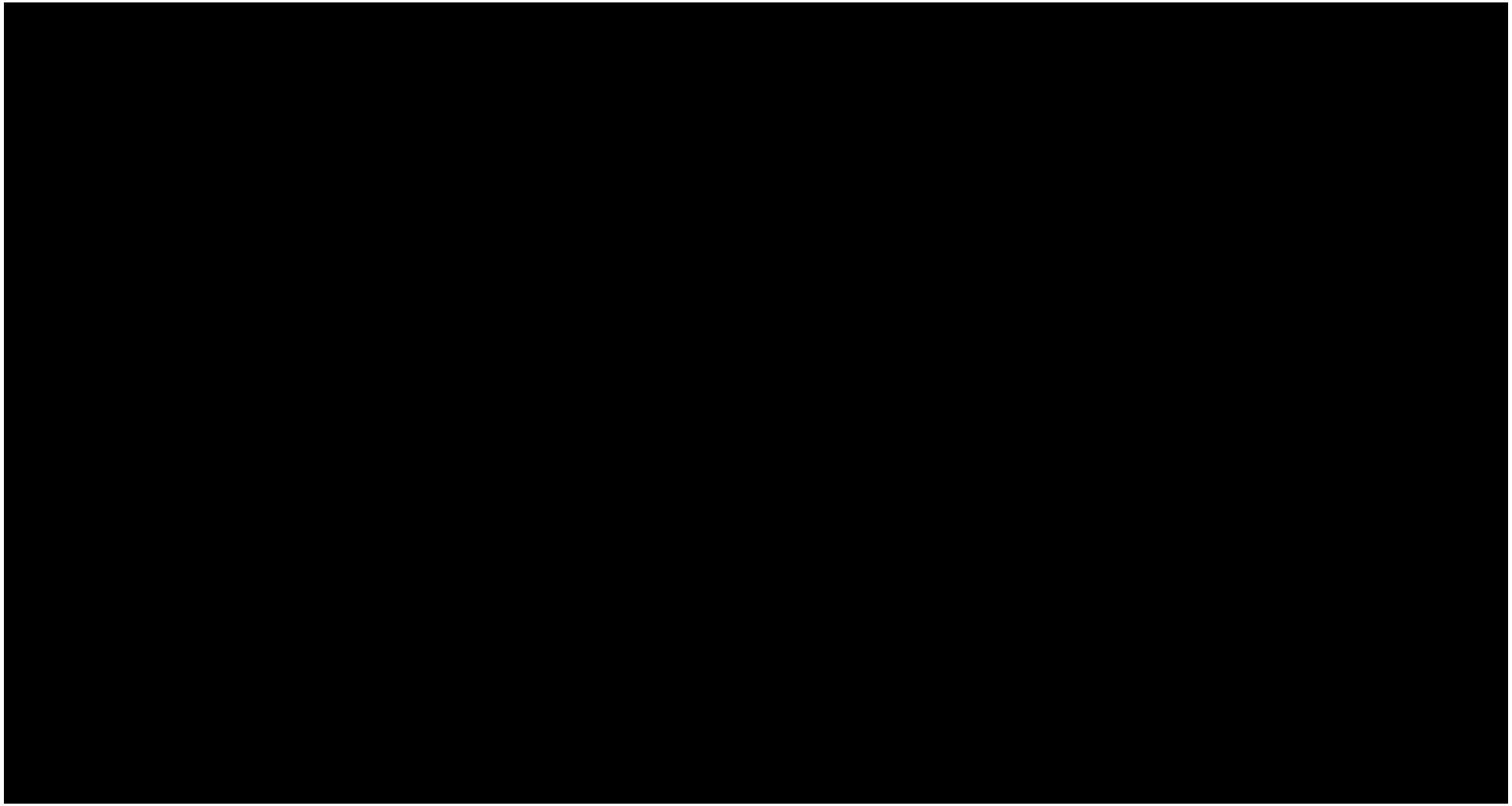


$1011{,}101_2 = ?_{10}$

R: 11,625

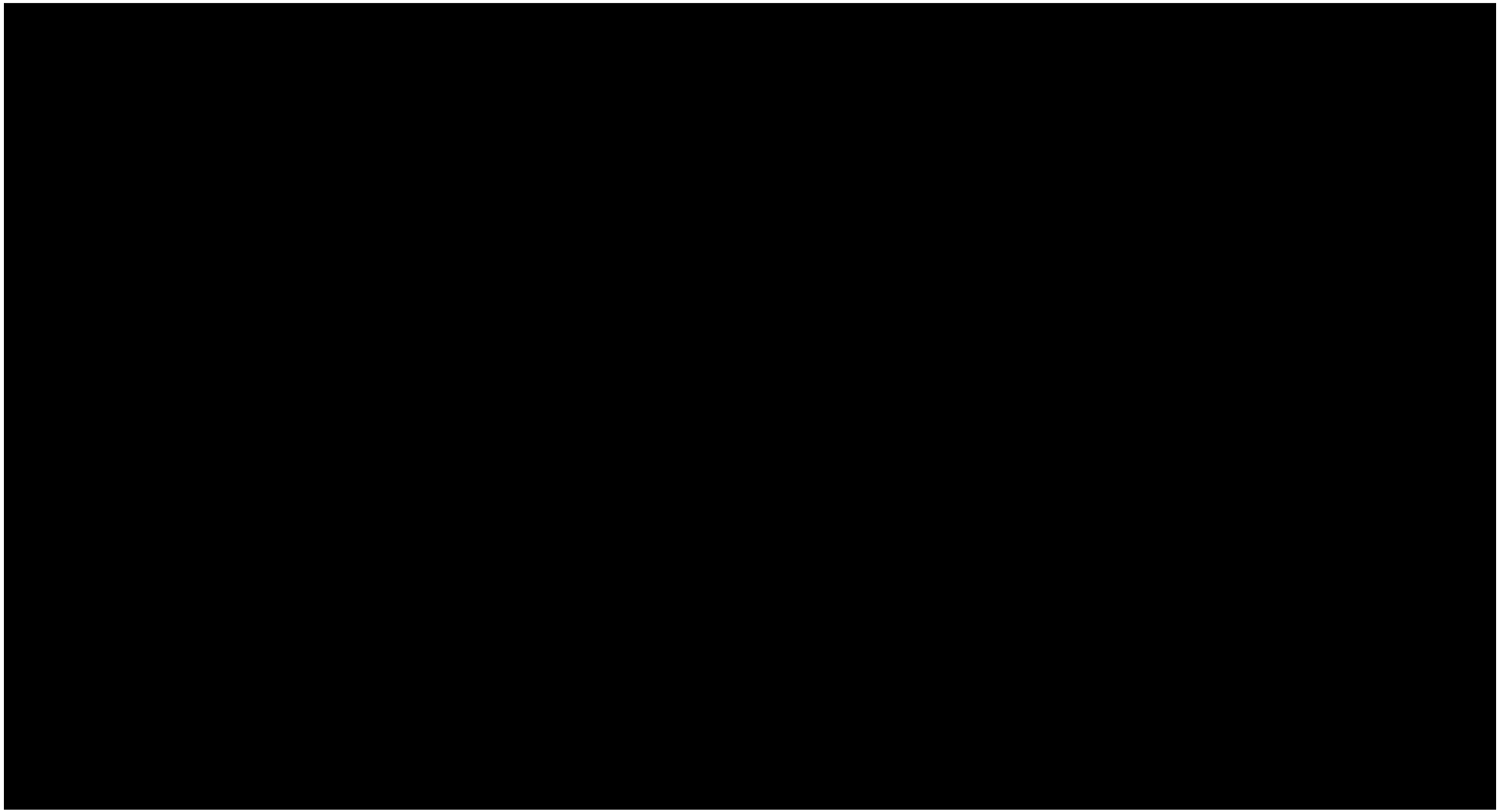
$1F3_{16} = ?_{10}$

R: 499



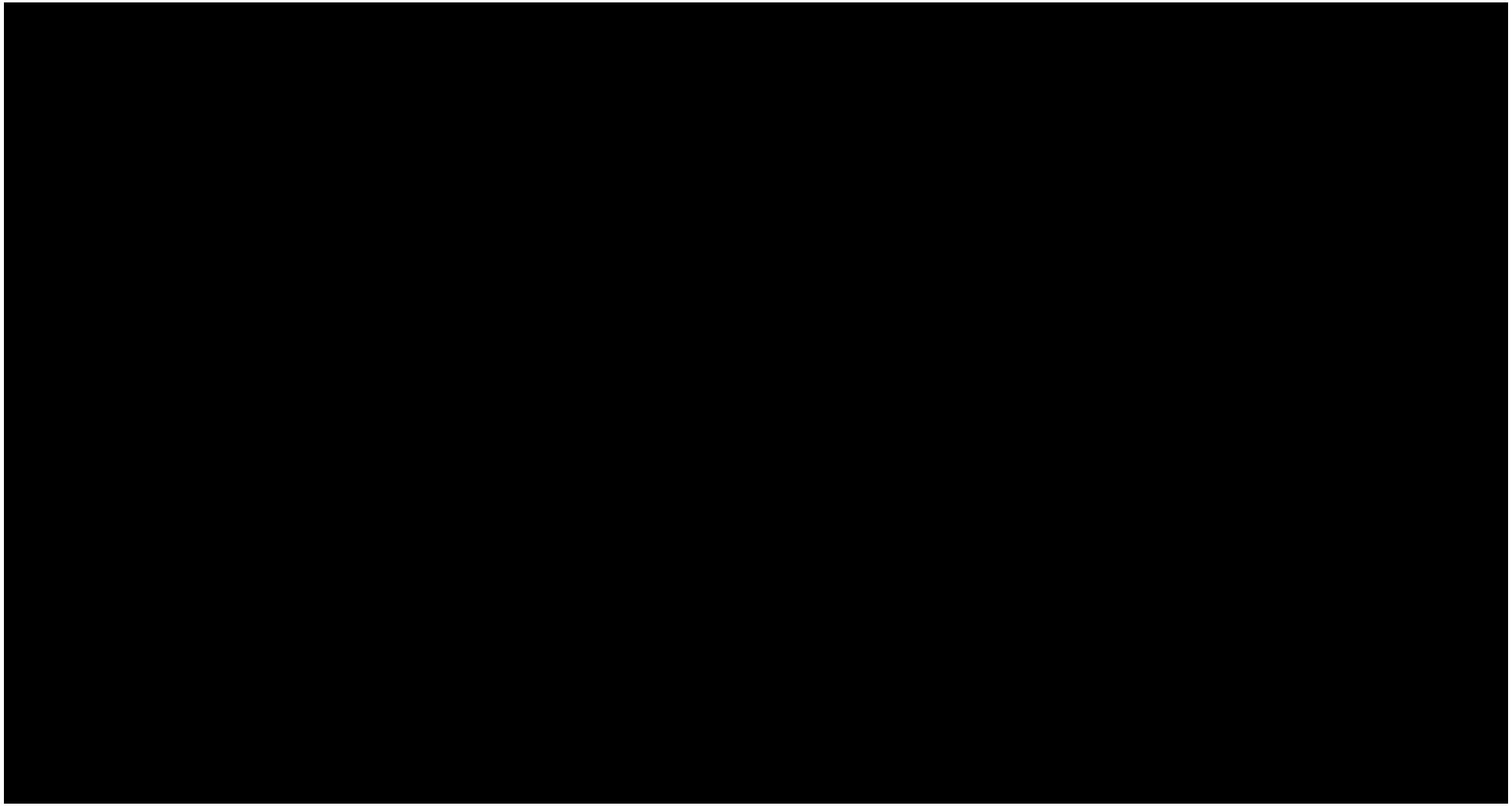
$1A,2_{16} = ?_{10}$

R: 26,125



$19_{10} = ?_{16}$

R: 13_{16}



$19_{10} = ?_{2}$

R: 10011_{2}

$14{,}5_{10} = ?_2$

R: $1110{,}1_2$

$101001_2 = ?_{16}$

R: 29_{16}

$-14_{10} = ?_2$ (rappresentazione in complemento a 2, 8 bit)

R: 11110010_2