k) $E49F_{16}$ to decimal

1 to binary

E 4 9 F

↙ ↓ ↓ ↘

1110 0100 1001 1111

2 to decimal

$1110010010011111 = 1\times2^0 + 1\times2^1 + 1\times2^2 + 1\times2^3 + 1\times2^4 + 0\times2^5 + 0\times2^6 + 1\times2^7 + 0\times2^8 + 0\times2^9 + 1\times2^{10} + 0\times2^{11} + 0\times2^{12} + 1\times2^{13} + 1\times2^{14} + 1\times2^{15}$

$= 1+2+4+8+16+128+1024+8192+16384+32768 = 58527_{10}$

$E49F_{16} = 58527_{10}$

l) $3G2_{17}$ to 13-base notation

1 to decimal

$3G2 = 2\times17^0 + \overset{(16)}{G}\times17^1 + 3\times17^2 = 2+272+867 = 1141_{10}$

2 to 13-base notation

1141 | 13
87 | 13
10 | 6
↖ 9

69A → $69A_{13}$