



Step	Guessed	Keys $\times$ Data = Memo	Time $\cdot$ Unit	Stored Texts
0	—	$2^0 \times 2^{112} = 2^{112}$	$2^{112} \cdot 2^{-5.2}$	$Z_{22}[0, 2, 3, 4, 5, 6, 7]; X_{22}[8, 9, 10, 11, 12, 13, 14, 15]; X_{21}[14]$
1	$STK_{22}[3, 4, 6]$	$2^{24} \times 2^{112} = 2^{136}$	$2^{136} \cdot 2^{-6.2}$	$Z_{22}[0, 2, 5, 7]; X_{22}[9, 11, 12, 13, 14, 15]; Z_{21}[0, 2, 5, 7]; X_{21}[10, 12, 14]$
2	$STK_{22}[5]; STK_{21}[0]$	$2^{40} \times 2^{112} = 2^{152}$	$2^{152} \cdot 2^{-6.9}$	$Z_{22}[0, 2, 7]; X_{22}[11, 12, 14, 15]; Z_{21}[1, 2, 4, 5, 7]; X_{21}[10, 14]; X_{20}[13]$
3	$STK_{21}[5]$	$2^{48} \times 2^{112} = 2^{160}$	$2^{160} \cdot 2^{-8.5}$	$Z_{22}[0, 2, 7]; X_{22}[11, 12, 14, 15]; Z_{21}[1, 2, 4, 7]; X_{21}[5, 10, 14]; X_{20}[13]$
4	$STK_{22}[0, 2, 7]$	$2^{72} \times 2^{96} = 2^{168}$	$2^{184} \cdot 2^{-5.9}$	$Z_{21}[1, 2, 3, 4, 6, 7]; X_{21}[10, 13, 14, 15]; Z_{20}[4]; X_{20}[13]$
5	$STK_{21}[1, 2]$	$2^{88} \times 2^{88} = 2^{176}$	$2^{184} \cdot 2^{-6.5}$	$Z_{21}[3, 4, 6, 7]; X_{21}[10, 14, 15]; Z_{20}[4]; X_{20}[13, 14, 15]$
6	$STK_{21}[6]$	$2^{96} \times 2^{88} = 2^{184}$	$2^{184} \cdot 2^{-7.5}$	$Z_{21}[3, 4, 7]; X_{21}[15]; Z_{20}[2, 4, 5]; X_{20}[8, 13, 14, 15]$
7	$STK_{20}[2]$	$2^{104} \times 2^{80} = 2^{184}$	$2^{192} \cdot 2^{-7.5}$	$Z_{21}[3, 4, 7]; X_{21}[15]; Z_{20}[4, 5]; X_{20}[8, 13, 15]; X_{19}[15]$
8	$STK_{21}[3]$	$2^{112} \times 2^{80} = 2^{192}$	$2^{192} \cdot 2^{-7.5}$	$Z_{21}[4, 7]; X_{21}[15]; Z_{20}[4, 5]; X_{20}[8, 12, 13, 15]; X_{19}[15]$
9	$STK_{20}[4]$	$2^{120} \times 2^{72} = 2^{192}$	$2^{200} \cdot 2^{-8.5}$	$Z_{21}[4, 7]; X_{21}[15]; Z_{20}[5]; X_{20}[12, 13, 15]; Z_{19}[7]; X_{19}[15]$
10	$STK_{21}[7]$	$2^{128} \times 2^{72} = 2^{200}$	$2^{200} \cdot 2^{-7.5}$	$Z_{21}[4]; Z_{20}[3, 5]; X_{20}[9, 12, 13, 15]; Z_{19}[7]; X_{19}[15]$
11	$STK_{20}[5]$	$2^{136} \times 2^{72} = 2^{208}$	$2^{208} \cdot 2^{-7.5}$	$Z_{21}[4]; Z_{20}[3]; X_{20}[12, 15]; Z_{19}[1, 4, 7]; X_{19}[11, 15]$
12	$STK_{19}[7]$	$2^{144} \times 2^{56} = 2^{200}$	$2^{216} \cdot 2^{-7.5}$	$Z_{21}[4]; Z_{20}[3]; X_{20}[12, 15]; Z_{19}[1, 4]; X_{18}[6]$
13	$STK_{20}[3]$	$2^{152} \times 2^{48} = 2^{200}$	$2^{208} \cdot 2^{-7.5}$	$Z_{21}[4]; X_{20}[12]; Z_{19}[1, 4]; X_{19}[12]; X_{18}[6]$
14	$STK_{19}[4]$	$2^{160} \times 2^{40} = 2^{200}$	$2^{208} \cdot 2^{-7.5}$	$Z_{21}[4]; X_{20}[12]; Z_{19}[1]; X_{18}[6, 10]$
15	$STK_{21}[4]$	$2^{168} \times 2^{40} = 2^{208}$	$2^{208} \cdot 2^{-8.5}$	$Z_{20}[0]; X_{20}[12]; Z_{19}[1]; X_{18}[6, 10]$
16	$STK_{20}[0]$	$2^{176} \times 2^{32} = 2^{208}$	$2^{216} \cdot 2^{-7.5}$	$Z_{19}[1]; X_{19}[13]; X_{18}[6, 10]$
17	$STK_{19}[1]$	$2^{184} \times 2^8 = 2^{192}$	$2^{216} \cdot 2^{-7.5}$	$Z_{17}[5]$
18	$STK_{17}[5]$	$2^{192} \times 2^8 = 2^{200}$	$2^{200} \cdot 2^{-7.5}$	$X_{16}[1]$
$\Sigma$		$2^{208}$	$2^{204.34}$	