

symbole usuel	symbole du DM	prononciation
0	Ɔ	fé
1	ɲ	ur
2	ɓ	tur
3	ɗ	an
4	ɓ̥	rai
5	<	kau
6	χ	gèb
7	ɖ	wun
8	ɛ	hag
9	ɖ̥	nau
10	ɔ̥	je
11	ɛ̥	ei
=	ɣ	ing/i ng
+	ɛ̥	ti
—	ɣ̥	al
×	ɛ̥	dag
÷	ɛ̥	lag
\sqrt{a}	ɛ̥	naz
$\sqrt[n]{a}$	ɛ̥	<i>n</i> -naz
∈	ɛ̥	so
∀	ɛ̥	per
∃	ɛ̥	ber
>	ɛ̥	man
<	ɛ̥	e
≥	ɛ̥ ɣ	maning
≤	ɛ̥ ɣ	ehwing
≠	ɛ̥	naing/na i ng
⊂	ɛ̥	suz
⊃	ɛ̥	zus

$$\begin{aligned}
0_{10} &= 0_{12} \times \begin{array}{|c|} \hline \text{Diagram 0} \\ \hline \end{array} \\
1_{10} &= 1_{12} \times \begin{array}{|c|} \hline \text{Diagram 1} \\ \hline \end{array} \\
2_{10} &= 2_{12} \times \begin{array}{|c|} \hline \text{Diagram 2} \\ \hline \end{array} \\
3_{10} &= 3_{12} \times \begin{array}{|c|} \hline \text{Diagram 3} \\ \hline \end{array} \\
4_{10} &= 4_{12} \times \begin{array}{|c|} \hline \text{Diagram 4} \\ \hline \end{array} \\
5_{10} &= 5_{12} \times \begin{array}{|c|} \hline \text{Diagram 5} \\ \hline \end{array} \\
6_{10} &= 6_{12} \times \begin{array}{|c|} \hline \text{Diagram 6} \\ \hline \end{array} \\
7_{10} &= 7_{12} \times \begin{array}{|c|} \hline \text{Diagram 7} \\ \hline \end{array} \\
8_{10} &= 8_{12} \times \begin{array}{|c|} \hline \text{Diagram 8} \\ \hline \end{array} \\
9_{10} &= 9_{12} \times \begin{array}{|c|} \hline \text{Diagram 9} \\ \hline \end{array} \\
10_{10} &= a_{12} \times \begin{array}{|c|} \hline \text{Diagram 10} \\ \hline \end{array} \\
11_{10} &= b_{12} \times \begin{array}{|c|} \hline \text{Diagram 11} \\ \hline \end{array} \\
12_{10} &= 10_{12} \times \begin{array}{|c|} \hline \text{Diagram 12} \\ \hline \end{array} \\
13_{10} &= 11_{12} \times \begin{array}{|c|} \hline \text{Diagram 13} \\ \hline \end{array} \\
14_{10} &= 12_{12} \times \begin{array}{|c|} \hline \text{Diagram 14} \\ \hline \end{array} \\
15_{10} &= 13_{12} \times \begin{array}{|c|} \hline \text{Diagram 15} \\ \hline \end{array} \\
16_{10} &= 14_{12} \times \begin{array}{|c|} \hline \text{Diagram 16} \\ \hline \end{array} \\
17_{10} &= 15_{12} \times \begin{array}{|c|} \hline \text{Diagram 17} \\ \hline \end{array} \\
18_{10} &= 16_{12} \times \begin{array}{|c|} \hline \text{Diagram 18} \\ \hline \end{array} \\
19_{10} &= 17_{12} \times \begin{array}{|c|} \hline \text{Diagram 19} \\ \hline \end{array} \\
20_{10} &= 18_{12} \times \begin{array}{|c|} \hline \text{Diagram 20} \\ \hline \end{array} \\
21_{10} &= 19_{12} \times \begin{array}{|c|} \hline \text{Diagram 21} \\ \hline \end{array} \\
22_{10} &= 1a_{12} \times \begin{array}{|c|} \hline \text{Diagram 22} \\ \hline \end{array} \\
23_{10} &= 1b_{12} \times \begin{array}{|c|} \hline \text{Diagram 23} \\ \hline \end{array} \\
24_{10} &= 20_{12} \times \begin{array}{|c|} \hline \text{Diagram 24} \\ \hline \end{array} \\
25_{10} &= 21_{12} \times \begin{array}{|c|} \hline \text{Diagram 25} \\ \hline \end{array} \\
26_{10} &= 22_{12} \times \begin{array}{|c|} \hline \text{Diagram 26} \\ \hline \end{array} \\
27_{10} &= 23_{12} \times \begin{array}{|c|} \hline \text{Diagram 27} \\ \hline \end{array} \\
28_{10} &= 24_{12} \times \begin{array}{|c|} \hline \text{Diagram 28} \\ \hline \end{array} \\
29_{10} &= 25_{12} \times \begin{array}{|c|} \hline \text{Diagram 29} \\ \hline \end{array} \\
30_{10} &= 26_{12} \times \begin{array}{|c|} \hline \text{Diagram 30} \\ \hline \end{array} \\
31_{10} &= 27_{12} \times \begin{array}{|c|} \hline \text{Diagram 31} \\ \hline \end{array} \\
32_{10} &= 28_{12} \times \begin{array}{|c|} \hline \text{Diagram 32} \\ \hline \end{array} \\
33_{10} &= 29_{12} \times \begin{array}{|c|} \hline \text{Diagram 33} \\ \hline \end{array}
\end{aligned}$$

$$34_{10} = 2a_{12} \otimes \begin{array}{c} \begin{array}{|c|} \hline \begin{array}{c} \nearrow \searrow \\ \hline \end{array} \\ \hline \end{array} \\ \begin{array}{|c|} \hline \begin{array}{c} \nwarrow \swarrow \\ \hline \end{array} \\ \hline \end{array} \end{array}$$

$$35_{10} = 2b_{12} \otimes \begin{array}{c} \text{b} \text{ } \text{f} \\ \text{ } \text{ } \\ \text{f} \text{ } \text{b} \end{array}$$

$$36_{10} = 30_{12} \otimes \begin{array}{c} \text{---} \text{---} \text{---} \\ \diagup \quad \diagdown \\ \text{---} \text{---} \text{---} \\ \diagdown \quad \diagup \\ \text{---} \text{---} \text{---} \end{array}$$

$$37_{10} = 31_{12} \otimes \begin{array}{c} \text{FD} \\ \text{F} \text{ F} \text{ F} \\ \text{F} \text{ F} \text{ F} \end{array}$$

$$38_{10} = 32_{12} \otimes \begin{array}{c} \text{ff} \\ \text{ff} \end{array}$$

$$39_{10} = 33_{12} \otimes \begin{array}{c} \text{f f} \\ \text{f f} \\ \text{f f} \end{array}$$

$$40_{10} = 34_{12} \otimes \begin{array}{c} \text{FR} \\ \text{FR} \\ \text{FR} \end{array}$$

$$41_{10} = 35_{12} \otimes \begin{array}{c} \text{f} < \\ \diagdown \quad \diagup \\ | \quad | \\ \diagup \quad \diagdown \\ \text{f} > \end{array}$$

$$42_{10} = 36_{12} \otimes \begin{array}{c} \text{FX} \\ \text{X} \end{array}$$

$$43_{10} = 37_{12} \otimes \begin{array}{c} \text{ff} \\ \text{ff} \\ \text{ff} \end{array}$$

$$44_{10} = 38_{12} \times \begin{array}{c} \text{FH} \\ \text{FH} \\ \text{FH} \end{array}$$

$$45_{10} = 39_{12} \otimes \begin{array}{c} \text{---} \\ \diagdown \quad \diagup \\ | \quad | \\ \diagup \quad \diagdown \\ \text{---} \end{array}$$

$$46_{10} = 3a_{12} \chi_{\left[\begin{smallmatrix} \uparrow \searrow \\ \downarrow \swarrow \end{smallmatrix} \right]}$$

$$47_{10} = 3b_{12} \otimes \begin{array}{c} \text{f f} \\ \text{f f} \\ \text{f f} \end{array}$$

$$48_{10} = 40_{12} \otimes \begin{array}{c} \text{RF} \\ \text{RF} \end{array}$$

$$49_{10} = 41_{12} \otimes \begin{array}{c} \text{RD} \\ \text{R} \end{array}$$

$$50_{10} = 42_{12} \otimes \begin{array}{c} \text{Rb} \\ \text{Rb} \end{array}$$

$$51_{10} = 43_{12} \otimes \begin{array}{c} \text{RF} \\ \text{RF} \\ \text{RF} \end{array}$$

$$52_{10} = 44_{12} \otimes \begin{array}{c} \text{RR} \\ \diagup \quad \diagdown \\ \text{RRR} \end{array}$$

$$53_{10} = 45_{12} \otimes \begin{array}{c} \text{R} < \\ \text{R} < \end{array}$$

$$54_{10} = 46_{12} \otimes \begin{array}{|c|} \hline \text{RX} \\ \hline \text{RX} \\ \hline \end{array}$$

$$55_{10} = 47_{12} \otimes \begin{array}{c} \text{RP} \\ \text{RP} \end{array}$$

$$56_{10} = 48_{12} \otimes \begin{array}{c} \text{RH} \\ \text{RH} \\ \text{RH} \end{array}$$

$$57_{10} = 49_{12} \otimes \begin{array}{c} \text{R} \downarrow \\ \text{R} \downarrow \\ \text{R} \downarrow \end{array}$$

$$58_{10} = 4a_{12} \otimes \left| \begin{array}{c} \text{RS} \\ \text{R} \text{ } \text{S} \\ \text{S} \text{ } \text{R} \end{array} \right|$$

$$59_{10} = 4b_{12} \otimes \begin{array}{c} \text{R} \text{ J} \\ \text{R} \text{ J} \end{array}$$

$$60_{10} = 50_{12} \otimes \begin{array}{c} \text{ } \\ \text{ } \\ \text{ } \end{array}$$

$$61_{10} = 51_{12} \otimes \begin{array}{c} \text{ } \\ \text{ } \\ \text{ } \end{array}$$

$$62_{10} = 52_{12} \otimes \begin{array}{c} \text{ } \\ \diagdown \quad \diagup \\ \text{ } \end{array}$$

$$63_{10} = 53_{12} \otimes \begin{array}{c} \text{ } \\ \diagdown \quad \diagup \\ \text{ } \end{array}$$

$$64_{10} = 54_{12} \otimes \begin{array}{|c|} \hline \text{R} \\ \hline \end{array}$$

$$65_{10} = 55_{12} \times \begin{array}{c} \ll \\ \diagdown \quad \diagup \\ < < < \\ \diagup \quad \diagdown \\ \vee \end{array}$$

$$66_{10} = 56_{12} \otimes \begin{array}{c} \text{X} \\ \diagup \quad \diagdown \\ \text{X} \end{array}$$

$$67_{10} = 57_{12} \otimes \begin{array}{|c|} \hline \text{P} \\ \hline \text{P} \\ \hline \end{array}$$

$$102_{10} = 86_{12} \otimes \begin{array}{c} \text{HX} \\ \text{H} \text{---} \text{X} \\ \text{H} \text{---} \text{X} \\ \text{H} \end{array}$$

$$103_{10} = 87_{12} \otimes \begin{array}{c} \text{HP} \\ \text{HP} \\ \text{HP} \end{array}$$

$$104_{10} = 88_{12} \otimes \begin{array}{c} \text{HH} \\ \text{X} \text{HHH} \\ \text{HH} \end{array}$$

$$105_{10} = 89_{12} \otimes \begin{array}{c} \text{H} \text{ } \text{H} \\ \diagup \quad \diagdown \\ \text{H} \text{ } \text{H} \\ \diagdown \quad \diagup \\ \text{H} \text{ } \text{H} \end{array}$$

$$106_{10} = 8a_{12} \otimes \begin{array}{c} \text{H} \searrow \\ \text{H} \nearrow \end{array}$$

$$107_{10} = 8b_{12} \otimes \begin{array}{c} \text{H} \\ \text{H} \end{array}$$

$$108_{10} = 90_{12} \bowtie \begin{array}{c} \text{16} \quad \text{12} \\ \text{10} \quad \text{12} \\ \text{10} \quad \text{12} \\ \text{10} \quad \text{12} \end{array}$$

$$109_{10} = 91_{12} \otimes \begin{array}{c} + \\ \text{---} \\ | \quad | \\ \diagdown \quad / \\ | \quad | \\ - \end{array}$$

$$110_{10} = 92_{12} \bowtie \begin{array}{c} \text{10} \quad \text{12} \\ \text{11} \end{array}$$

$$111_{10} = 93_{12} \otimes \begin{array}{c} \text{---} \text{---} \text{---} \\ \diagup \quad \diagdown \\ \text{---} \text{---} \text{---} \\ \diagdown \quad \diagup \\ \text{---} \text{---} \text{---} \end{array}$$

$$112_{10} = 94_{12} \otimes \begin{array}{c} \text{+R} \\ \text{+R} \\ \text{+R} \end{array}$$

$$113_{10} = 95_{12} \otimes \begin{array}{c} \text{\tiny \times} < \\ \diagdown \quad \diagup \\ | \quad | \\ \diagup \quad \diagdown \\ \text{\tiny \times} < \end{array}$$

$$114_{10} = 96_{12} \bowtie \begin{array}{c} \text{X} \\ \diagup \quad \diagdown \\ \text{X} \end{array}$$

$$115_{10} = 97_{12} \otimes \begin{array}{c} \text{10} \quad \text{12} \\ \text{11} \end{array}$$

$$116_{10} = 98_{12} \otimes \begin{array}{c} \text{+H} \\ \text{+H} \\ \text{+H} \end{array}$$

$$117_{10} = 99_{12} \otimes \begin{array}{c} \text{+} \text{+} \\ \diagup \quad \diagdown \\ \text{+} \text{+} \end{array}$$

$$118_{10} = 9a_{12} \otimes \begin{array}{c} \diagup \diagdown \\ \diagdown \diagup \end{array}$$

$$119_{10} = 9b_{12} \bowtie \begin{array}{c} \text{\tiny 10} \quad \text{\tiny 12} \\ \diagdown \quad \diagup \\ \text{\tiny 11} \end{array}$$

$$120_{10} = a0_{12} \otimes \begin{array}{c} \text{ } \\ \text{ } \\ \text{ } \end{array}$$

$$121_{10} = a1_{12} \otimes \text{diagram}$$

$$122_{10} = a2_{12} \bowtie \begin{array}{|c|} \hline \begin{array}{c} \text{↗} \text{↘} \\ \text{↖} \text{↙} \end{array} \\ \hline \end{array}$$

$$123_{10} = a3_{12} \bowtie \begin{array}{|c|} \hline \begin{array}{c} \text{f} \\ \text{f} \\ \text{f} \end{array} \\ \hline \end{array}$$

$$124_{10} = a4_{12} \otimes \begin{array}{|c|} \hline \begin{array}{c} \text{R} \\ \text{R} \end{array} \\ \hline \end{array}$$

$$125_{10} = a5_{12} \otimes \begin{array}{c} \text{ } \\ \text{ } \\ \text{ } \end{array}$$

$$126_{10} = a6_{12} \begin{array}{c} \diagup \diagdown \\ \diagdown \diagup \end{array} \begin{array}{c} \diagup \diagdown \\ \diagdown \diagup \end{array}$$

$$127_{10} = a7_{12} \otimes \begin{array}{|c|} \hline \begin{array}{c} \text{S} \\ \text{P} \end{array} \\ \hline \end{array}$$

$$128_{10} = a8_{12} \otimes \begin{array}{c} \text{H} \\ \diagup \quad \diagdown \\ \text{H} \end{array}$$

$$129_{10} = a9_{12} \otimes \begin{array}{c} \diagup \quad \diagdown \\ \diagdown \quad \diagup \end{array}$$

$$130_{10} = aa_{12} \bowtie \begin{array}{c} \nearrow \nearrow \\ \searrow \searrow \end{array}$$

$$131_{10} = ab_{12} \bowtie \begin{array}{c} \nwarrow \nearrow \\ \nwarrow \nearrow \end{array}$$

$$132_{10} = b0_{12} \otimes \text{[diagram]}$$

$$133_{10} = b1_{12} \otimes \text{[diagram]}$$

$$134_{10} = b2_{12} \otimes \begin{array}{|c|} \hline \text{r b} \\ \hline \text{r} \text{ } \text{r} \\ \hline \end{array}$$

$$135_{10} = b3_{12} \otimes \begin{array}{c} \text{f f} \\ \text{f f} \\ \text{f f} \end{array}$$

$$170_{10} = 122_{12} \times \text{𐎧𐎡𐏁𐎧}$$


$$\begin{aligned}
238_{10} &= 17a_{12} \times \text{[diagram: } \overline{DP} \leq \text{]} \\
239_{10} &= 17b_{12} \times \text{[diagram: } \overline{DP} \uparrow \text{]} \\
240_{10} &= 180_{12} \times \text{[diagram: } \overline{DP} \uparrow \text{]} \\
241_{10} &= 181_{12} \times \text{[diagram: } \overline{DP} \uparrow \text{]} \\
242_{10} &= 182_{12} \times \text{[diagram: } \overline{DP} \uparrow \text{]} \\
243_{10} &= 183_{12} \times \text{[diagram: } \overline{DP} \uparrow \text{]} \\
244_{10} &= 184_{12} \times \text{[diagram: } \overline{DP} \uparrow \text{]} \\
245_{10} &= 185_{12} \times \text{[diagram: } \overline{DP} \uparrow \text{]} \\
246_{10} &= 186_{12} \times \text{[diagram: } \overline{DP} \uparrow \text{]} \\
247_{10} &= 187_{12} \times \text{[diagram: } \overline{DP} \uparrow \text{]} \\
248_{10} &= 188_{12} \times \text{[diagram: } \overline{DP} \uparrow \text{]} \\
249_{10} &= 189_{12} \times \text{[diagram: } \overline{DP} \uparrow \text{]} \\
250_{10} &= 18a_{12} \times \text{[diagram: } \overline{DP} \leq \text{]} \\
251_{10} &= 18b_{12} \times \text{[diagram: } \overline{DP} \uparrow \text{]} \\
252_{10} &= 190_{12} \times \text{[diagram: } \overline{DP} \uparrow \text{]} \\
253_{10} &= 191_{12} \times \text{[diagram: } \overline{DP} \uparrow \text{]} \\
254_{10} &= 192_{12} \times \text{[diagram: } \overline{DP} \uparrow \text{]} \\
255_{10} &= 193_{12} \times \text{[diagram: } \overline{DP} \uparrow \text{]} \\
256_{10} &= 194_{12} \times \text{[diagram: } \overline{DP} \uparrow \text{]} \\
257_{10} &= 195_{12} \times \text{[diagram: } \overline{DP} \uparrow \text{]} \\
258_{10} &= 196_{12} \times \text{[diagram: } \overline{DP} \uparrow \text{]} \\
259_{10} &= 197_{12} \times \text{[diagram: } \overline{DP} \uparrow \text{]} \\
260_{10} &= 198_{12} \times \text{[diagram: } \overline{DP} \uparrow \text{]} \\
261_{10} &= 199_{12} \times \text{[diagram: } \overline{DP} \uparrow \text{]} \\
262_{10} &= 19a_{12} \times \text{[diagram: } \overline{DP} \leq \text{]} \\
263_{10} &= 19b_{12} \times \text{[diagram: } \overline{DP} \uparrow \text{]} \\
264_{10} &= 1a0_{12} \times \text{[diagram: } \overline{DP} \leq \text{]} \\
265_{10} &= 1a1_{12} \times \text{[diagram: } \overline{DP} \leq \text{]} \\
266_{10} &= 1a2_{12} \times \text{[diagram: } \overline{DP} \leq \text{]} \\
267_{10} &= 1a3_{12} \times \text{[diagram: } \overline{DP} \leq \text{]} \\
268_{10} &= 1a4_{12} \times \text{[diagram: } \overline{DP} \leq \text{]} \\
269_{10} &= 1a5_{12} \times \text{[diagram: } \overline{DP} \leq \text{]} \\
270_{10} &= 1a6_{12} \times \text{[diagram: } \overline{DP} \leq \text{]} \\
271_{10} &= 1a7_{12} \times \text{[diagram: } \overline{DP} \leq \text{]}
\end{aligned}$$

$$272_{10} = 1a8_{12} \quad \begin{array}{c} \text{D} \leq \text{H} \\ \text{H} \leq \text{D} \end{array}$$

$$273_{10} = 1a9_{12} \quad \text{X} \begin{array}{c} \text{D} > \text{T} \\ \text{D} < \text{T} \end{array}$$

$$274_{10} = 1\mathbf{a}\mathbf{a}_{12} \begin{array}{c} \text{↗ ↘} \\ \text{↖ ↙} \end{array}$$

$$275_{10} = 1ab_{12} \quad \text{where } a=10, b=5$$

276₁₀ = 1b0₁₂ 

$$277_{10} = 1b1_{12} \otimes \begin{array}{c} \text{[Diagram: A complex knot diagram with multiple crossings and a central loop structure.]} \end{array}$$

$$278_{10} = 1b2_{12} \quad \begin{array}{c} \text{⌘} \end{array}$$

$$279_{10} = 1\text{b}3_{12}$$

$$280_{10} = 1b4_{12} \otimes \begin{array}{c} \text{DJR} \\ \text{DJR} \\ \text{DJR} \end{array}$$

$$281_{10} = 1b5_{12} \otimes \begin{array}{c} \text{11} \\ \text{11} \end{array} \begin{array}{c} \text{11} \\ \text{11} \end{array}$$

$$282_{10} = 1b6_{12} \quad \begin{array}{c} \text{b} \text{ f} \text{ X} \\ \text{X} \text{ f} \text{ b} \end{array}$$

$$283_{10} = 1b7_{12} \otimes \begin{array}{c} \text{DJJ} \\ \text{J} \\ \text{JJJJ} \end{array}$$

$$284_{10} = 1b8_{12} \otimes \begin{array}{c} \text{H H} \\ \diagup \quad \diagdown \\ \text{H H} \\ \diagdown \quad \diagup \\ \text{H H} \end{array}$$

$$285_{10} = 1\text{b}9_{12}$$

$$286_{10} = 1\text{ba}_{12}$$

$$287_{10} = 1\text{bb}_{12}$$

$$288_{10} = 200_{12}$$

$$289_{10} = 201_{12} \quad \text{X} \begin{array}{c} \text{B} \text{D} \\ \text{A} \text{C} \end{array}$$

$$290_{10} = 202_{12}$$

$$291_{10} = 203_{12} \quad \text{X} \begin{array}{c} \text{b} \text{ f} \\ \text{f} \text{ b} \end{array}$$

$$292_{10} = 204_{12} \times \overbrace{\text{XIV}}^{\text{XIV}}$$

$$293_{10} = 205_{12} \otimes \begin{array}{c} \begin{array}{cc} \begin{array}{c} \text{b} \end{array} & \begin{array}{c} \text{c} \end{array} \\ \begin{array}{|c|c|} \hline \begin{array}{c} \text{a} \end{array} & \begin{array}{c} \text{d} \end{array} \\ \hline \end{array} \end{array}$$

$$294_{10} = 206_{12} \otimes \begin{array}{c} \text{X} \\ \text{X} \end{array}$$

$$295_{10} = 207_{12} \otimes \begin{array}{c} \text{BPP} \\ \diagdown \quad \diagup \\ | \text{P} \rangle \langle \text{P}| \\ \diagup \quad \diagdown \\ \text{BPP} \end{array}$$

$$296_{10} = 208_{12} \times \overline{\text{X}}\overline{\text{I}}\overline{\text{V}}\overline{\text{H}}$$

$$297_{10} = 209_{12} \otimes \begin{array}{c} \text{---} \\ \diagdown \quad \diagup \\ | \quad | \\ \diagup \quad \diagdown \\ \text{---} \end{array}$$

$$298_{10} = 20a_{12} \times \overbrace{\left| \begin{array}{cc} \text{b} & \text{c} \\ \text{d} & \text{e} \end{array} \right|}^{\text{f}}$$

$$299_{10} = 20b_{12} \text{ } \begin{array}{c} \text{b} \text{ } \text{f} \text{ } \text{f} \\ \text{ } \text{ } \text{ } \text{ } \text{ } \text{ } \\ \text{ } \text{ } \text{ } \text{ } \text{ } \text{ } \end{array}$$

$$300_{10} = 210_{12} \times \text{𐎶𐎠𐏀𐎧𐎺}$$