POKER

mano servita generica:

coppia	2.1.1.1	$\binom{8}{1}\binom{4}{2}^1 \cdot \binom{8-1}{3}\binom{4}{1}^3$	107.520
doppia coppia	2.2.1	$\binom{8}{2}\binom{4}{2}^2 \cdot \binom{8-2}{1}\binom{4}{1}^1$	24.192
tris	3.1.1	$\binom{8}{1}\binom{4}{3}^1 \cdot \binom{8-1}{2}\binom{4}{1}^2$	10.752
scala semplice	1.1.1.1.1	5 rangoiniz. $\cdot \binom{4}{1}^5$ semi -20 scalereali	5.100
full	3.2	$\binom{8}{1}\binom{4}{3}^1 \cdot \binom{8-1}{1}\binom{4}{2}^1$	1.344
poker	4.1	$\binom{8}{1}\binom{4}{4}^1 \cdot \binom{8-1}{1}\binom{4}{1}^1$	224
scala colore	1.1.1.1.1	$4semi \cdot \begin{bmatrix} 8 \\ 5 \end{bmatrix} carte - 5scale$	204
scala reale	5	5cartainiz. $\begin{pmatrix} 4 \\ 1 \end{pmatrix}$ semi	20

mano servita "precisa":

$$\begin{aligned} \textit{doppia coppia} & \quad \textit{assi}: \begin{pmatrix} 4 \\ 2 \end{pmatrix}^1 \cdot \begin{pmatrix} 8-1 \\ 1 \end{pmatrix} \begin{pmatrix} 4 \\ 2 \end{pmatrix}^1 \cdot \begin{pmatrix} 6 \\ 1 \end{pmatrix} \begin{pmatrix} 4 \\ 1 \end{pmatrix}^1 & \quad re: \begin{pmatrix} 4 \\ 2 \end{pmatrix}^1 \cdot \begin{pmatrix} 8-2 \\ 1 \end{pmatrix} \begin{pmatrix} 4 \\ 2 \end{pmatrix}^1 \cdot \begin{pmatrix} 6 \\ 1 \end{pmatrix} \begin{pmatrix} 4 \\ 1 \end{pmatrix}^1 & \quad \textit{donne}: \begin{pmatrix} 4 \\ 2 \end{pmatrix}^1 \cdot \begin{pmatrix} 8-3 \\ 1 \end{pmatrix} \begin{pmatrix} 4 \\ 2 \end{pmatrix}^1 \cdot \begin{pmatrix} 6 \\ 1 \end{pmatrix} \begin{pmatrix} 4 \\ 1 \end{pmatrix}^1 & \dots \\ \textit{full} & \quad \textit{assi}: \begin{pmatrix} 4 \\ 3 \end{pmatrix}^1 \cdot \begin{pmatrix} 8-1 \\ 1 \end{pmatrix} \begin{pmatrix} 4 \\ 2 \end{pmatrix}^1 & \quad re: \begin{pmatrix} 4 \\ 3 \end{pmatrix}^1 \cdot \begin{pmatrix} 8-2 \\ 1 \end{pmatrix} \begin{pmatrix} 4 \\ 2 \end{pmatrix}^1 & \quad \textit{donne}: \begin{pmatrix} 4 \\ 3 \end{pmatrix}^1 \cdot \begin{pmatrix} 8-3 \\ 1 \end{pmatrix} \begin{pmatrix} 4 \\ 2 \end{pmatrix}^1 & \dots \\ m & \quad means \\ mathematically & mathe$$

per coppia/tris/poker di un preciso rango (assi/re/donne/...) le combinazioni non dipendono dal rango, quindi $\begin{pmatrix} 1 \\ 1 \end{pmatrix}$ al posto di $\begin{pmatrix} 8 \\ 1 \end{pmatrix}$

per la scala semplice/colore/reale di un preciso seme (cuori/...) le combinazioni non dipendono dal seme, quindi $\begin{pmatrix} 1 \\ 1 \end{pmatrix}$ al posto di $\begin{pmatrix} 4 \\ 1 \end{pmatrix}$