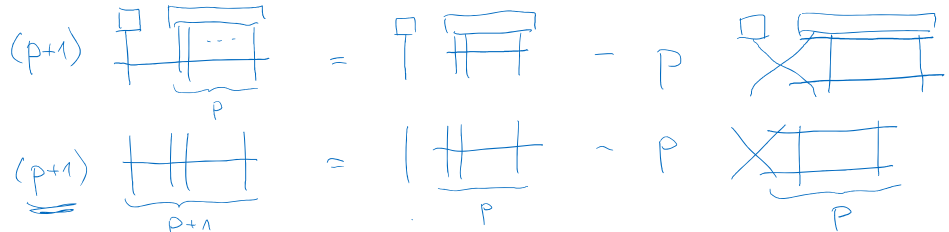
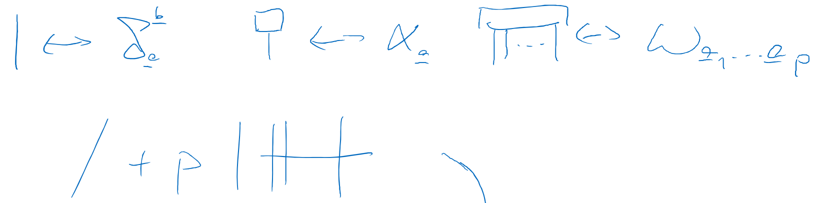
AS tenzory

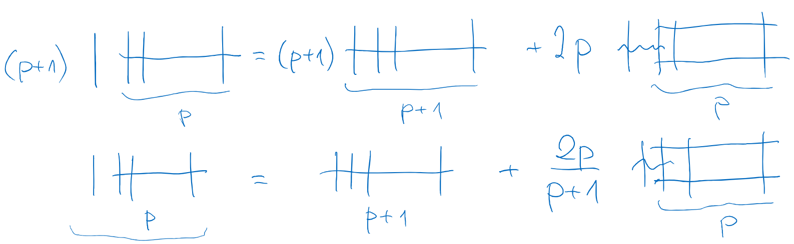
$$\alpha_a \wedge \omega_{a_1\dots a_p} = \alpha_a\,\omega_{a_1\dots a_p} - p\,\alpha_{[a_1}\,\omega_{|a|a_2\dots a_p]}$$

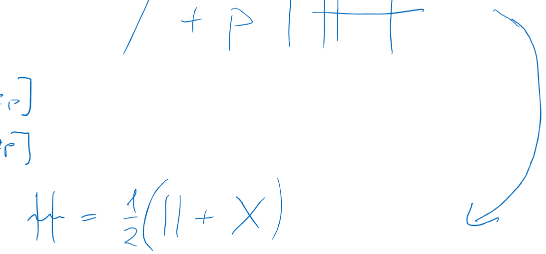
$$= \alpha_a\,\omega_{a_1\dots a_p} - \alpha_{a_1}\,\omega_{a a_2\dots a_p} + \alpha_{a_2}\,\omega_{a a_1 a_3\dots a_p} - \dots\ \alpha_{a_p}\,\omega_{a a_1\dots a_{p-1}}$$





$$(p+1)\;{}^{[p+1]}\delta^{b_0\dots b_p}_{a_0\dots a_p} = \delta^{b_0}_{a_0}\;{}^{[p]}\delta^{b_1\dots b_p}_{a_1\dots a_p} - p\,\delta^{[b_1}_{a_0}\,\delta^{|b_0|}_{[a_1}\,\delta^{b_2}_{a_2}\cdots\delta^{b_p]}_{a_p]}$$





$${}^{(1)[p]}S = A + S$$ ← rozštěpení na podprostory

$$\omega_{a a_1\dots a_p} = \alpha_{(a) a_1\dots a_p} + \sigma_{a[a_1\dots a_p]}$$

$A\omega$ $\qquad$ $S\omega$

$$\sigma_{a a_1\dots a_p} = \frac{2p}{p+1}\,\omega_{(a a_1) a_2\dots a_p} \qquad \alpha_{a a_1\dots a_p} = \omega_{[a a_1\dots a_p]}$$

$$\omega_{a\,a_1\dots a_p} \to \alpha_{a a_1\dots a_p} \oplus \sigma_{(a a_1)\,a_2\dots a_p}$$

$A^2 = A$ $\qquad$ $S^2 = S$ ← dokažte!

informace v ω je ekvivalentní informaci v α a σ