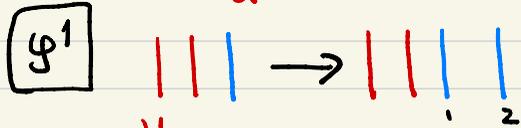
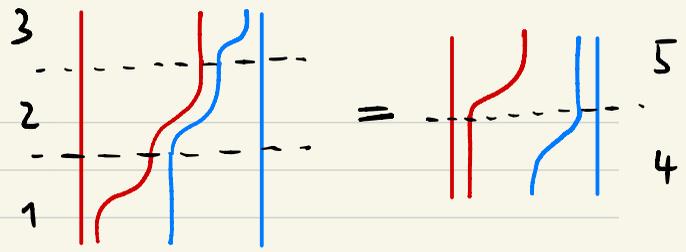
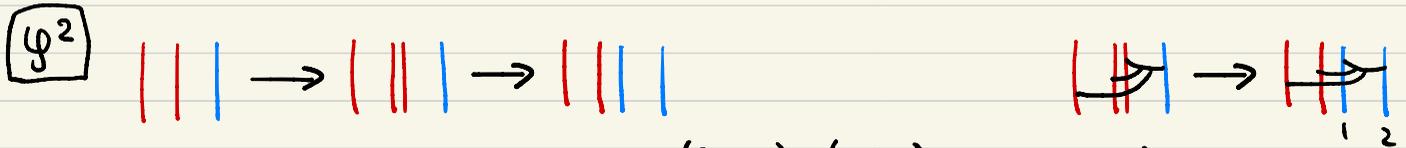


$$\varphi = \cancel{u} + R$$



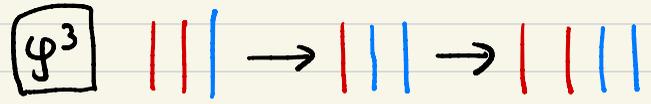
$$u = \cancel{u}(x, y) \mapsto \cancel{u}_1(x, y), \quad R = R(x, y) \mapsto R_1(x, y)$$



$$u = u(x, y) \mapsto u(x, y+z) \mapsto (\partial_y u)_{12}(x, y) + u_2(x, y)$$

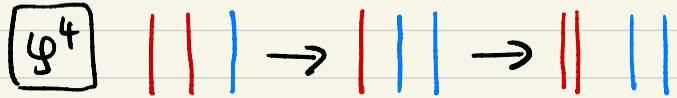
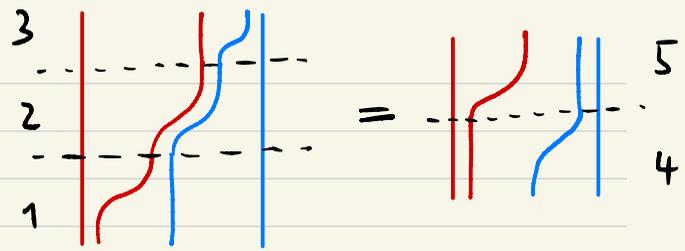
$$v(x, y, z) \mapsto (\partial_z v)_{12}(x, y, 0) + v_2(x, y, 0)$$

$$R = R(x, y) \mapsto R(x, y+z) \mapsto R_2(x, y)$$



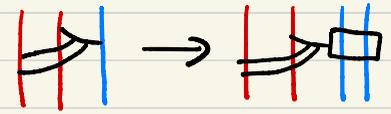
$$u = u(x, y) \mapsto (\partial_y u)_{12}(x, 0) + u_2(x, 0) \mapsto (\partial_y u)_{12}(y, 0) + u_2(y, 0)$$

$$R = R(x, y) \mapsto R_2(x, 0) \mapsto R_2(y, 0)$$



$$u = u(x, y) \mapsto (\partial_y u)_{,2}(x+y, 0) + u_2(x+y, 0)$$

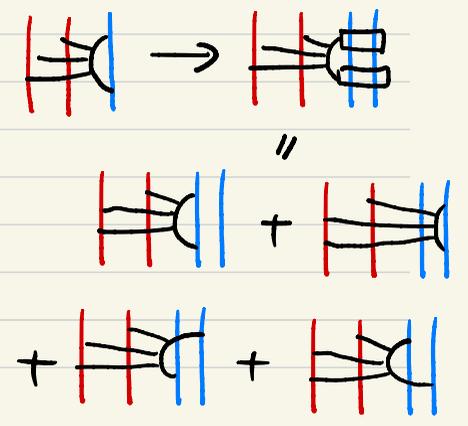
$$R = R(x, y) \mapsto R_2(x+y, 0)$$



$$u = u(x, y) \mapsto u_1(x, y) + u_2(x, y)$$

$$R = R(x, y) \mapsto R_1(x, y) + R_2(x, y)$$

$$\pm (R_{12}(x, y) + (R^*)_{,2}(x, y))$$



$$\underbrace{u_2(y, 0) - u_2(x+y, 0)}_{FL_2} + \underbrace{R_2(y, 0) - R_2(x+y, 0)}_{FA_2}$$

$$+ (\partial_y u)_{12}(x, y) + (\partial_y u)_{12}(y, 0) - (\partial_y u)_{12}(x+y, 0) + (R_{12}(x, y) + (R^*)_{12}(x, y))$$

FA₁₂

R = R(u)

= 2R₁₂

? ...

σ_{2n+1}

$\sigma_3, \sigma_5, \sigma_7, \sigma_9, \sigma_{11}$

$[\sigma_3, [\sigma_3, \sigma_5]]$

u + R

original

$$\Phi \in \exp(\mathfrak{t}_3) \quad \begin{array}{|c|c|} \hline t_{12} & \\ \hline t_{13} & \\ \hline & t_{23} \\ \hline \end{array}$$

$$t_{12} + t_{23} + t_{13} = 0$$

$$\Phi = \Phi(x, y) \in \exp FL(x, y)$$

$$gvk_1 \rightarrow kv$$

$$\Psi \mapsto (\Psi(-x-y, x), \Psi(-x-y, y))$$