$$E(m)\otimes E(m')\otimes E(m'') \xrightarrow{E_{m,m'}\otimes 1} E(m\otimes m')\otimes E(m'')$$
$$\downarrow 1\otimes E_{m',m''} \qquad \cong \qquad \downarrow E_{m\otimes m',m''}$$
$$E(m)\otimes E(m'\otimes m'') \xrightarrow[E_{m,m'\otimes m''}]{} E(m\otimes m'\otimes m'') \to E((m\otimes m')\otimes m'') \to E(m\otimes(m'\otimes m''))$$

where

$$E_{m,m'}: E(m)\otimes E(m') \to E(m\otimes m')$$

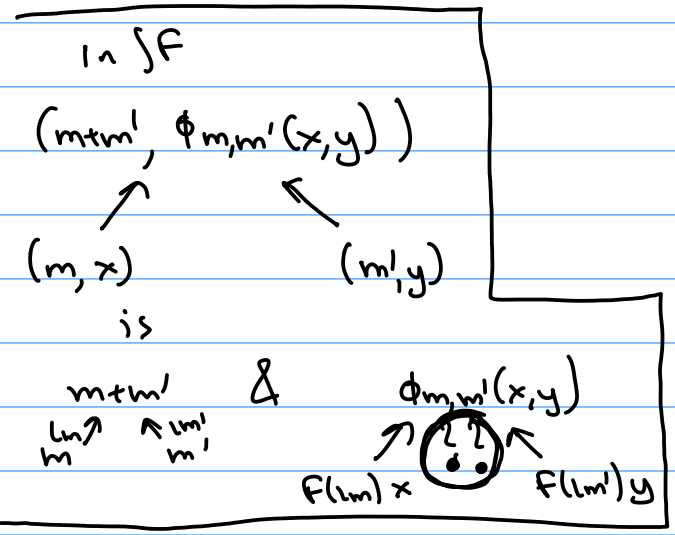
$$E: {}_L\mathbb{C}_{SP}(\int F) \to F\mathbb{C}_{SP}$$
$$(a,\perp_a)\to(m,x)\leftarrow(b,\perp_b) \quad\rightsquigarrow\quad a\to m\leftarrow b$$

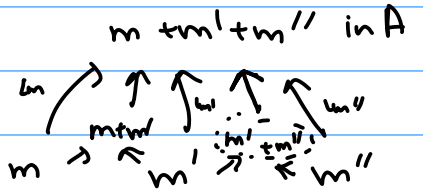
which, on decoration maps is

$$1 \xrightarrow{x\times y} F(m)\times F(m') \xrightarrow{\phi_{m,m'}} F(m+m') \qquad x\in F(m)$$
$$F(1_m)\times F(1_{m'}) \overset{\phi_{1_m,1_{m'}}}{=} F(1_m+1_{m'}) \qquad F(1)$$
$$F(m+m')\times F(m+m') \to F(m+m'+m+m') \to F(m+m)$$
$$\phi_{m+m',m+m'} \qquad F(\nabla)$$

Really $\phi_{m,m'}(x,y) \xrightarrow{\theta_{m,m'}} F(1_m)x + F(1_{m'})y$ in $F(m+m')$

$$F(1_m)x \xrightarrow{j_x} \qquad \xleftarrow{j_y} F(1_{m'})y$$





inside $F(m+m'+m'')$

$$\phi(\phi(x,x'),x'') \cong F(1_m)x + F(1_{m'})x' + F(1_{m''})x'' \cong \phi(x,\phi_{m',m''}(x',x''))$$

$$F(1_m)x + F(1_{m'})x' \qquad F(1_{m'})x' + F(1_{m''})x''$$

$$F(1_m)x \qquad F(1_{m'})x' \qquad F(1_{m''})x''$$

$$\phi(\phi(x,x'),x'') \xleftarrow{w} \phi(x,\phi_{m',m''}(x',x''))$$
$$\downarrow \phi(\theta,1) \qquad \downarrow \phi(1,\theta)$$
$$\phi(\theta,1) \qquad \phi(x, F(s_{m'})x' + F(s_{m'})x'')$$
$$\downarrow \theta \qquad \downarrow \theta$$
$$F(1_m)x + F(\quad)F(s_{m'})x' + F(\quad)F(s_{m'})x''$$
$$\cong$$
$$F(1_m)x + F(1_{m'})x' + F(1_{m''})x''$$