Friday, April 4, 2025 Burnside category: B = BG so an abolion category
Tracker functors = Addletive functors B - Ab. Mora (G/H, G/J) = ZdG/H (G/K) To describe the tensor product of marily functions: []. (Dress)

Obj BBB = []" (G/H)
(G/H2) $\operatorname{Mod}_{\mathcal{O}}\left(\begin{pmatrix} c/\mu_{1} \end{pmatrix}, \begin{pmatrix} c/\mu_{2} \end{pmatrix}, \begin{pmatrix} c/\mu_{1} \end{pmatrix} \right) = \mathbb{Z} \left\{ \begin{pmatrix} c/\mu_{1} \leftarrow c/K, \rightarrow c/L, \\ c/\mu_{2} \leftarrow c/K, \rightarrow c/L, \end{pmatrix} \right\}$ We have a function X: BBB - B $\binom{G/H_1}{G/H_1} \longrightarrow G/H_1 \times G/H_2$ For two Mady functions M,N: B - Ab formal (6/H2) --- M(6/H2) & N(6/H2) M D N = X# (10 N) (NON)

Republishmend along the function XBBD-1B. left Kan externer = left odfried to publish x*.

1 make Macky functors into a terror category (coefficients of "ordinary" 6-equivariant (co) hornslogs Henry) What is the west of D? Human: The Burnade Mady function: d=d= X(4/H) = A(H) K 1 demo of frake 11- soto, 11} Ushiching In A: passing to a subjent constriction: Kx 1 ? Green function: Communitative (associative curity) way in the gumetive terser citiqoy of Machen fanctors. Can talk about modules oper a breen functor. In particular, Markey functions = Modules ever it.

Another application of the Burnowsk category: Constructing brough projectives in 6-Machy functors.

1) it (the Burnside way racky function) is projective:
free on one generates in isotropy or (0/6)

(6/6)

Pushforward formeton: HC G Idc: OH = BC

Ind c dy 1's properties: free on mes generates in lastres of (G/A)

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integral (me 2)
$$0 \rightarrow \mathcal{Z}_{p-1} \longrightarrow \mathcal{Z}_{p-1$$

4- funishicity: Papedine unlitto of Z:

1- jung of the state of Z:

1- jung of the state of Z:

1- jung of the state of Z:

1- jung of z:

1-

Calculate all Ex between 2, 24, 7,