en, an neN (en), (an) læses af Sym Sym* [en, em]=[2, 2, 2, 1]=0 [2, 2, 2]= en-1 2, 2, 2, 2 Weod cotegorification A = A An-mod Cf: Ko (Ct) -> Sym Ino(M: A -> A N +> Ind (N) = Ind M & N Anoth Resm: A > 4 N Home (M Res N) if non [In(n]= (fA([n]) [Resm J = G, (M) * $\begin{bmatrix}
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M + M & Am Fn: H -> Deleman -> Fun (An-mod, A) F: R' DF- Fun (U, U) 1 Ho & Ind An = Ind A1 Tom Indam = Indam

 $t_n(A_n) \stackrel{\diamond}{\underset{n-1}{\leftarrow}} (A_n)_n \longrightarrow (A_n)_n$ $F_{n}(\mathcal{I}): (A_{n})_{n} \xrightarrow{A_{n+1}} (A_{n})_{n} \xrightarrow{A_{n+1}} (A_{n})_{n}$ $z \rightarrow z$ Fn (N) intermed in the state of F_ (\sqrt{7}) $F_m(\mathcal{O}) = n A_m - n A_m = i \mathcal{O}$ 2 1 2 1 2 F: H = En((d) F(10m) Ind Am F(Jom) In Restm Every single An module is contined a decomposition scies I o Cempo tut completion
X = y D Z e: X >> y Colempotent Or a legory is is complete to every ilempotent of all ilempotent o Def Kovrouli envelop (idempotent completion) of C Oly: (X, e) $X \in \mathcal{I}_{g}$ C, e is idempotent Morph φ ; (X, e) \rightarrow (9, f) $q \in Hom_{\mathcal{C}}(x, y)$ x = 4, y fo goe = g y y y



