Example Colyptes
- the ength cotypy "O"
- Did A singleton category 1"
- DD Discrete categories. Any set on be thought of as a disorte category
- for my pre-order set (P. E) we have a pre-order catgory IP. Objects: Po := P
Arrows: P(x->y):= ({"x & y"} If x & y otherwise
Identifies: id(x) := "x \le x"
Composition: "x < y". "y < z" = "x < z"
A pre-order category that is not discrete;
eg. (N,+,0)
- A monord (M, *, E) can be regarded as a monord category IM, with: Objects: Mo := { } }
A rrow! $M(x \rightarrow x) := M$ 1 dentity : (d(x) = E)
Composition: X.y: = X+y
A simple monard category that is not discrete.
Ds. so need s.s. s.s.s If all distint, this is (IN, +, 0).
Categories or propositions and proofs [Notation: [x] = interpreta the of] Objects: interpret proposition (& propositional contexts)
Amows: ntepret derivations Functor morphism of cotegories
[5]: [N] +> [A] for catoonics of ad D, a functor F
Identifies: idents derivations - function on objects For Co - Do Connections: Liter with more medicines St. F. ((A > B) (
Composition: Later with more machinery (S.t. F: C(A>B) => F.(1): D(F.(A) -> F.(B))
Structural sets as confegured Peter in token obert Mary and By + ((1) F(A) = F(B)) - Confegure of structural set - IF No structure: - If No str
- Cotegories of structured set
- PREDED. Hu caregor of preordered sets.
Object: preordered sets Across: monother mops 18: tex. Comp: fenches composition - Man - category of monoids