exercises	
(1) Use the formula of (6) limits in Ani to show that &: 6-5P(E) is limit-preserving	
(2) For (6,W) = Relator show 6 - s (EW) is cofinal a coinitial.	
(3) Suppose Coltun & 2 & and & & D (or assume D = Ani)	
Prove · lim f ~ slim lam foix	
· Colin Colin foix — Colin f. (for this 5hb-ex: localization is colinal)	
4) Show Fun(&, D)° ~ Fun (D, 6)	
(possibly hand.) Cator (\$5.8)	
5) Show a right-adjoint is cofinal (& left adjoint is coinitial)  6) Show $\Delta^{(n)} \subset \mathcal{D} \Delta$ is coinitial.  (mor: [n] $\rightarrow$ [m)	
(7) Show G: K-filtered ( diag: 6 -> Fun(I, 6) is cofinal for any K-small I.	
8) Show A & Dx A is cofinal. (if you like, you may use the fact that A < o Cat is desse)	
(9) Consider & of D fully faithful, where D has K-filt colin, & small so that Indy(8) = 1 & rft. &: ft. &:	
(1) if & C Dr, f is tally toithful (2) if moreover & generates D under K-fift colin (i.e. the closure of & is D) then f: equiv X+colonsx:	/.
(Similar claims are true for P(E), P=(E))	
(10) Use (9) to recognize your favorite category as an Ind-completion	