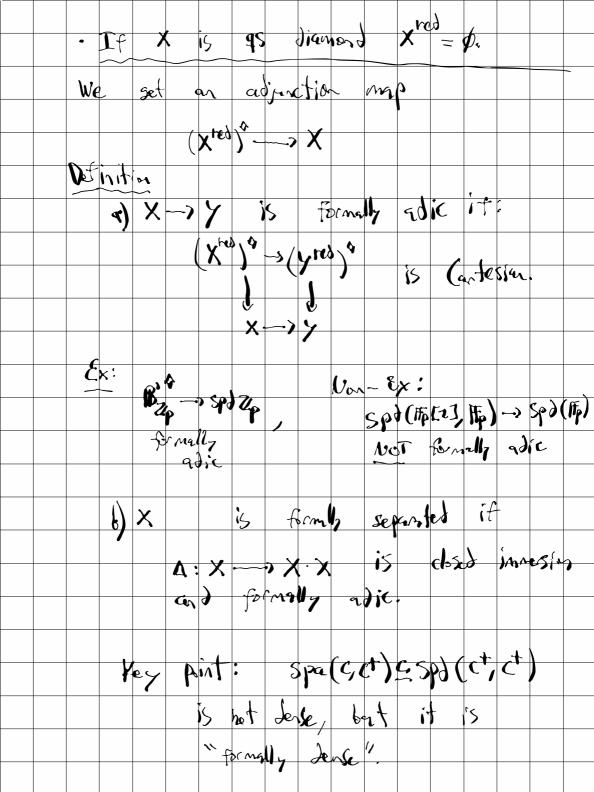
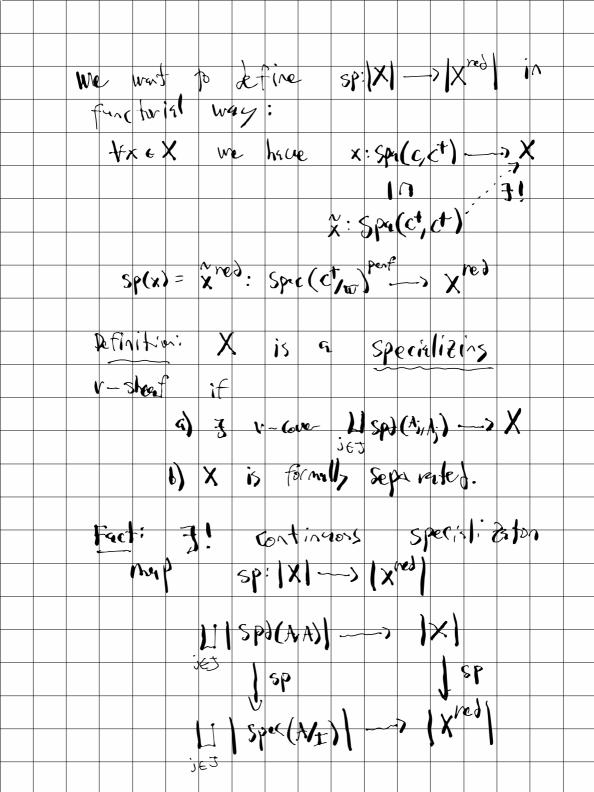


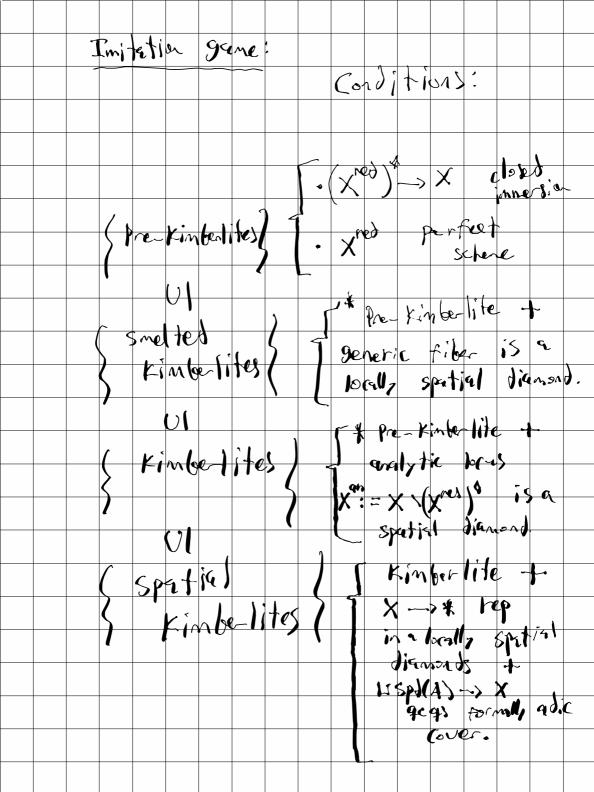
More Generally for X a Question: v-sheaf xe |x| what is spex)? Reduction. / Perf = perfect schemes in / sch = characteristic p enjoyed with scheme - theoretic V-1000057 Sch S v Shesves ? Spa(A) = spd(A,A), continuous admits right adjoint (-) hed Hom (Spec (A), Fred)= Hon (Spec(A), F) $\mathcal{E}_{\mathsf{X}}: \cdot (\mathsf{X}^{\mathsf{a}})^{\mathsf{red}} = \mathsf{X}$ · B - adic ris over to Spd (B,R) = spec (B/I)

(R,R) Perfect toid, then tauget of special isotion.





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Theorem 1: (smalled - 10 imberlife) If x is a kinderlite, the specialization map is continuous to the contractible topology of Xnd and Xan Moreover it is a closed map. strategy - To prove xan is connected we can prove xred is connected and sprice (x) is connected. - sp'(x) has somethic - 25 Sp-1(x) = sp-1(x) | Jense 7 constructible topology is key to settle this.

special zation triples: Given a kinderlite Je me can attack a triple (zan zres, sp) (AGLR)
FULFERINH Specialization / Theorem 2 (Louves 50) Fill-Faithful * Westly normal, topologically of finite tope, flat formal schemes. 3) . ap point are donce and formlizable, - xred is perfectly finite type | X is that (weather but simile to spatial)

