- 1. it # Hom (2 w21, 286), 22021 02 22009
- 2. M. f.g A-module. M. Noetherian A-module => A/Analay) Noetherian N'ny
- 3. P & Spec(OK) 12 19 P = cp, 2), P & 22 , 26 OK
- 4. Spec 200]
- 5. A Noetherian <=> + p & Spec A fig.
- 6. (1) KEXIYI integrally closed
 - (1) (x'-y3) prime
 - CS> Is A = KEXIY >/cx=ys) = KEXIJ integrally closed?
 - (4) minimal primary decomposition of 19-1) of A
 - 7. A=2[5], 1=12,1+5)
 - (1) P prime, 2EP. L. p=1, Ip= (HVF)Ap
 - 1) Is (t, ItV5) primary?

 1s it a power of a prime ideal?
 - (3) prime ideal decompositions of cas, cas, cas in A
 - 8. A Dedokind domain. 5th is either Dedokud domain or field field.
 - 9. A DVR. 219 6K, VED & VED & VEXTY) = min free, vegs }
 - 10. B = A integral over B. then dim B = dim A
 - Add: noetheries integral domain A 15 UFD => every prime ideal of height 1 is principal.