P = 13 days a = 7 million miles D = 20 light years m : 10.5 13 days . 3110-2 yr 7 × 10° miks = 10° km - 10° m $a^3 = P^2 M$, of solumes 350×10.6 (7110-2)3 = 35 × 10-2 = .35 = 1/3

$$D = 20 \text{ l.yrs} \\ m = M = 5 \log (D/10re) \\ : 5 \log (Z*3*10") \\ : 5 [\log(e) + \log(2)"] \\ : 5 [\log(e) + \log(2)"] \\ : 5 [.3 + .5 - 1] \\ : 5 + -.2 = -1$$

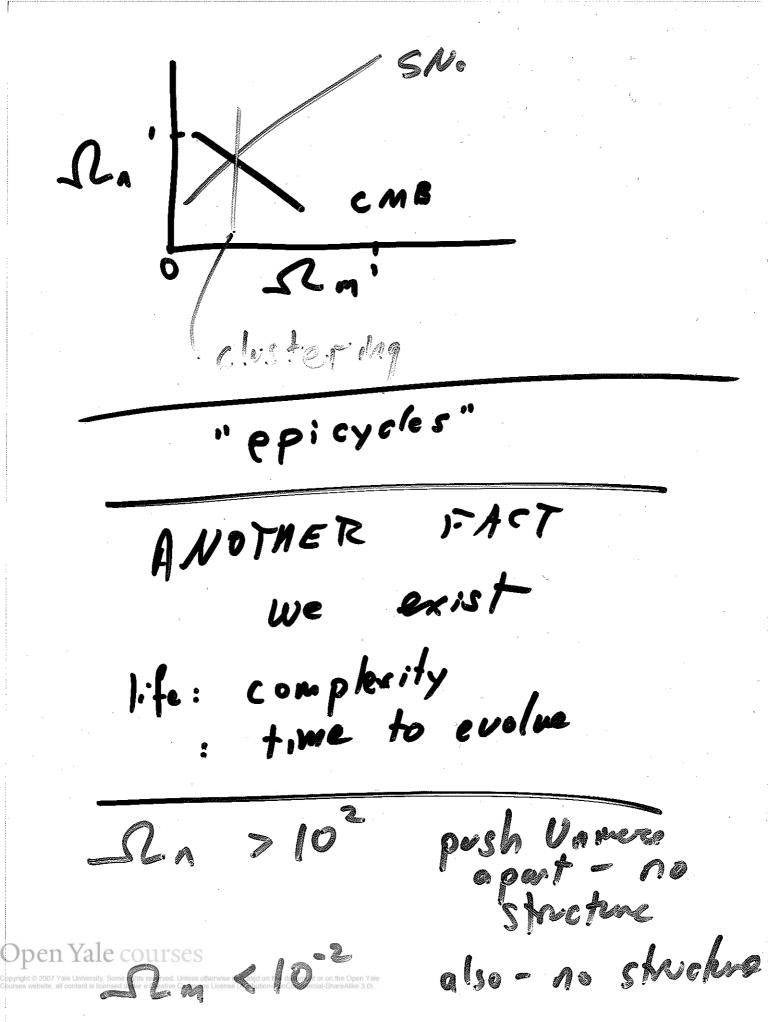
$$10.5 - M = -1 \qquad M = 11.5$$

$$10.5 - M = -1 \qquad M = 11.5$$

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