Recall: yolg (schy) = dp (schy) + ofp(schy)+dp waver part waver constant term for 34 470 2) Auxiliary function for Dp(v-IwH) = Endp(v_1(wHIm). oti: G(w/w) = 2 [Za wahan alp (valvamus)] + of (va) + [or (vm | vm) & (wa-wa) han + of (vm | vm)] where is = in H and > 03 into o for all be 35 for BE [1,2] :x N/p (x(M) = dp(x(M)) = /p(p-1)(xp+(p-1)Mp-p x(Mp-1)) Greatent of G(w/w) + 1 Mw llw/lf w.t. wa low entry) Cases BE [1,2]: Twa G (w/w) = En winham Twa dp (willing) Since Ty Apollm = yp-1-scyp=23 we obtain Two G(w/w) = Z han [(w w) p-1 vm (w w) p-2] => Var (@(m/m)+7 mm//m//5) = Dr wa + b was = c was = p Cuse) to where or= hw>0 b = 2 han (rm) 3-1 20 (nony likely positive) C = Zmham Nm (mm) pod 70 Assume b and a positive for the following a Letters use the Descertes rules of syn: x B=1: p(wm) = a wm+b-c/wm =0 => awh + bwh - c =0 for wh>0 Therefore: N=1 and mp = 1 =) one portive real most × p=2: p(wm)=(a+b) wm - c=0 -> one portive real root × p ∈ (1,2): p-1>0 and p-2<0 s we will therefore have to compute burn such that: a wet b web-1- c/wit p=0 for waso, (=> a wat(2-p) + b wa - C =0 Question]: is the Discorter rules still ok for retrouble exponent? If you : w= 1 and mp=1 again