41) a) V(s) = max & P(s', r/s, a') [r+yv(s')] = max sir p(sir/s,a') rmax + 8 max & p(s', v 1s, a') V(s') = V(5) Yr= rmax < Vmax + y V (5) => V(s) & V mcx Same prant with min 26 U(s) 1-y = V(s) = V milk V(5) - V(51) / = \ \ max - Vmin max. diff. fram one state to the an after.

41 a) // (Tv) (s) - (T v/) (s) // = 8 // v-v'// 00 Max | & P(s,r/s,a) [v+ru(s)] - & p(s,r/s,a)[v+xv'(s)] = max | \super p(s'10/s,a)[r+yv(s')-(xv+yv'(s'))] = x max | & p(s!rls, g) [v(s)-v'(s)]