XXT. EXYT & EXXTEYYT IS POD. as Ff(XYT) = F & Xinyip E Exik Fyh (EXTY) = FXXEYY. E XX - 2X EXY F[ QXXa] >0  $\mathbb{F}\left[a^{\mathsf{T}}(X-\lambda Y)(X-\lambda Y)^{\mathsf{T}}a\right] \geq 0 \quad \forall a.$ > at FXX a -2\at EXY a + x2 at FYY a ≥0 => 14(OTFXYTa)2-4 aTFYYTa aTFXXa Dependent two-D slies