THE SPACE Spec CTX, y]
Recall Spec Ctry J={pc ctry J] } a prime y
THREE TYPES OF PRIMES
<ul> <li>Type I: C<sup>2</sup> c→ Spec C[x,y]</li> <li>(a,b) → ((x-a), (y-b)) = m<sub>a,b</sub></li> <li>The type I points are closed.</li> </ul>
<ul> <li>Type II: {f(x,y) introducible</li> <li>and nonzerof</li> <li>Spec C[x, Y]</li> </ul>
The type I points are not closed
if $\eta = (f)$ then make $s \eta^{\gamma}$ if and only
if = f(a,b) = 0
. Type III : The ideal (0) & Spec C[X, 1]
The type II point - the GENERIC POINT - is
dense.

