"If x is a non zero non unit in a ring of Krull type A, then each valued prime P of A with x  $\epsilon$  P; contains a unique minimal subvalued prime satisfying x  $\epsilon$  Q  $\subseteq$  P." We shall call Q, the minimal subvalued prime of x in P.

Now let x be a non zero non unit in an HCF ring of Krull type and let  $P_1, P_2, \ldots, P_n$  be the only valued primes contains a unique minimal subvalued prime  $Q_i$  containing x (  $i=1,2,\ldots,n$ ). Here we note that unlike a \*GKD, a ring of Krull type admits valued primes  $P_{\alpha}, P_{\beta} \in \{P_{\alpha}\}$  ( the family defining the ring of Krull type) such that  $P_{\alpha} \cap P_{\beta}$  contains non zero prime of Krull type) such that  $P_{\alpha} \cap P_{\beta}$  contains non zero prime of Krull type) such that  $P_{\alpha} \cap P_{\beta}$  contains non zero prime ideals. And so the minimal subvalued primes  $Q_i \cap P_{\beta} \cap P_{\beta}$  of x not arise, because then  $Q_i \cap P_{\beta} \cap P$ 

Striking repetitions out of {  $Q_i$  }  $j_{i=1}$  and denoting the set of distinct minimal subvalued primes of x by {  $q_i$  }  $j_{j=1}$  we can regroup  $\{P_i\}_{i=1}^n$  after a suitable permutation of

of x in P; and P; both.

{ Pt } as  $\{ Pt \} \text{ as}$  We shall call the set  $\Pi_j = \{ P_K \in \{ Pt \}_{i=1}^n | q_j \subset P_K \}$ 

of x containing q; only( smong all q; of course). Now let y be such that y  $\epsilon$  q, q, q, q

are distinct we can have such a y ), then since R is an HCF domain and  $R_{q_1}$  is a valuation domain,  $(y,x) = d_1 \in q_1 - q_2$ , domain and  $R_{q_1}$  is a valuation domain,  $(y,x) = d_1 \in q_1 - q_2$ , domain and  $R_{q_1}$  is a valuation domain, (y,x) = 1 ( since  $d_1$  is the HCF ) and because of the HCF property (x',y') = 1 in  $R_{q_1}$  that is at least one of x',y' is not in  $q_1$  but since  $x,y \in q_1$  distinct one of x',y' is not in  $q_1$  but since  $x,y \in q_1$  that is at least one of x',y' is not in  $q_1$  but since  $x,y \in q_1$ .