

$$S^{\perp} = \langle w_{1}, ..., w_{N-K} \rangle \quad y \quad \text{estos son } l, \text{ Indep.}$$

$$dh(S^{\perp}) = N - k \quad \vee$$

$$(2) \quad S \subseteq (S^{\perp})^{\perp} \quad (\Psi \in S^{\perp} \quad y \quad s \in S \quad \text{luso } ev_{s} \in (S^{\perp})^{\perp})$$

$$\psi(s) = 0 = ev_{s}(p)$$

$$dh((S^{\perp})^{\perp}) = N - dn(S^{\perp}) = N - (n - dn(S)) = dh((S))$$

$$lvego \quad hog \quad igualdud,$$

$$(3) \quad V \xrightarrow{A} W$$

$$\Psi \in \text{Im}(A)^{\perp} \stackrel{(=)}{=} V \in W^{*}$$

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$$(A) \quad \text{im}(A^{*}) \stackrel{?}{=} \text{ler}(A)^{\perp}$$

$$2e(3) \quad \text{im}(A^{*})^{\perp} = \text{ler}(A^{nn}) = \text{ler}(A)$$

$$\text{apt} \quad \text{uda } pup \quad a \quad \text{an ba } \text{ tabs}$$

$$\text{im}(A^{*}) = \text{ler}(A)^{\perp}$$

Def: Sea W un ev /R y sea C C W
un coro admirible (cometos portuolo con intio.).
Un poblemo de pognoción C-cohica es
Az-be E

 $\frac{1}{2}$ min $\left\{ C(x) : Ax \neq b \right\}$

α∈ V ev/R C:V→R liveal A:V → W b∈ W fijo. C⊆ W cono admisible

