3.3 - Matrices diagonales

Déf: Soit A Ednacion. De dir que A est diagrade ni Vij E [1.n], it j= saij= s. Ex. (323) ent diagnale. Elle entrollée
323) ent diagnale. diag(1,2,3) $diag(x_1-x_1)=(0,1)$ Poli Droste Drux) l'exc. des notrices diag. d'Orben-

Alors: 20(11x) - Cn(11x) 1 2n(11x). Prop: (Dr(W), +,) est- 1 ser de Wh(W) · (D,(1/x),+,x) est 1 anea. · 1 matrice d'ag. est inverible ssi elle n'a anu O sur le diazoncle. diag (xn -- xn) x diag (fn -- fn) = dieg (<1/1, -, x, fn) δ , \forall , α ; \neq δ , $(dieg(\alpha_1 - \alpha_1)) = dieg(\frac{1}{\alpha_1}, \frac{1}{\alpha_1})$

Prop: .
$$U_n(ux) = T_n(ux) + T_n(ux)$$
 $u: (\frac{1}{2}, \frac{2}{6}) = (\frac{1}{2}, \frac{2}{6}) + (\frac{1}{2}, \frac{2}{6})$
 $u: (\frac{1}{2}, \frac{2}{6}) = (\frac{1}{2}, \frac{2}{6}) + (\frac{1}{2}, \frac{2}{6})$
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 $u: (\frac{1}{2}, \frac{2}{6}) = (\frac{1}{2}, \frac{2}{6}) + (\frac{1}{2}, \frac{2}{6}$

