To $(x_1 + x_2) = v^T \cdot x_1$ To $(x_1 + x_2) = v^T \cdot (x_1 + x_2) \cdot x_2 = v^T \cdot (x_1 + x_2) \cdot x_2 = v^T \cdot (x_1 + x_2) \cdot x_1 + v^T \cdot x_2 = v^T \cdot (x_1 + x_2) \cdot x_2 = v^T \cdot (x_1 + x_2) \cdot x_1 + v^T \cdot x_2 = v^T \cdot (x_1 + x_2) \cdot x_2 = v^T \cdot (x_1 + x_2) \cdot x_1 + v^T \cdot x_2 = v^T \cdot (x_1 + x_2) \cdot x_1 + v^T \cdot x_2 = v^T \cdot (x_1 + x_2) \cdot x_1 + v^T \cdot x_2 = v^T \cdot (x_1 + x_2) \cdot x_1 + v^T \cdot x_2 = v^T \cdot (x_1 + x_2) \cdot x_1 + v^T \cdot x_2 = v^T \cdot (x_1 + x_2) \cdot x_1 + v^T \cdot x_2 = v^T \cdot (x_1 + x_2) \cdot x_1 + v^T \cdot x_2 = v^T \cdot (x_1 + x_2) \cdot x_1 + v^T \cdot x_2 = v^T \cdot (x_1 + x_2) \cdot x_1 + v^T \cdot x_2 = v^T \cdot (x_1 + x_2) \cdot x_1 + v^T \cdot x_2 = v^T \cdot (x_1 + x_2) \cdot x_1 + v^T \cdot x_2 = v^T \cdot (x_1 + x_2) \cdot x_1 + v^T \cdot x_2 = v^T \cdot (x_1 + x_2) \cdot x_1 + v^T \cdot x_2 = v^T \cdot (x_1 + x_2) \cdot x_1 + v^T \cdot x_2 = v^T \cdot (x_1 + x_2) \cdot x_1 + v^T \cdot x_2 = v^T \cdot (x_1 + x_2) \cdot x_1 + v^T \cdot x_2 = v^T \cdot (x_1 + x_2) \cdot x_1 + v^T \cdot x_2 = v^T \cdot (x_1 + x_2) \cdot x_1 + v^T \cdot x_2 = v^T \cdot (x_1 + x_2) \cdot x_1 + v^T \cdot x_2 = v^T \cdot (x_1 + x_2) \cdot x_1 + v^T \cdot x_2 = v^T \cdot x_1 + v^T \cdot x_2 = v$

2.26) $T_{A}(x)$: $tr(A^{*}x)$ $T_{A}(y)$: $tr(A^{*}y)$ $T_{A}(x+y) = F(A^{*}(x+y)) \rightarrow F(A^{*}x + A^{*}y) \rightarrow F(A^{*}x) + F(A^{*}y)$ $T_{A}(x) + T_{A}(y) = F(A^{*}x) + F(A^{*}y) \rightarrow Cumple$ $T_{A}(x) + T_{A}(y) = F(A^{*}x) + F(A^{*}x) \rightarrow F(A^{*}x)$ $T_{A}(x) = F(A^{*}x) \rightarrow F(A^{*}x)$

 $T_{g}(\xi) := \int_{x}^{x} f_{g}(x) g(x) dx \quad \forall f \in C(11^{3},C)$ $T_{g}(\xi) := \int_{x}^{x} f_{g}(x) g(x) dx$ $T_{g}(\xi) := \int_{x}^{x} f_{g}(x) g(x) dx \quad \forall f \in C(11^{3},C)$ $T_{g}(\xi) := \int_{x}^{x} f_{g}(x) f(x) dx \quad \forall f \in C(11^{3},C)$ $T_{g}(\xi) := \int_{x}^{x} f_{g}(x) f(x) dx \quad \forall f \in C(11^{3},C)$ $T_{g}(\xi) := \int_{x}^{x} f_{g}(x) f(x) dx \quad \forall f \in C(11^{3},C)$ $T_{g}(\xi) := \int_{x}^{x} f_{g}(x) f(x) dx \quad \forall f \in C(11^{3},C)$ $T_{g}(\xi) := \int_{x}^{x} f_{g}(x) f(x) dx \quad \forall f \in C(11^{3},C)$ $T_{g}(\xi) := \int_{x}^{x} f_{g}(x) f(x) dx \quad \forall f \in C(11^{3},C)$ $T_{g}(\xi) := \int_{x}^{x} f_{g}(x) f(x) dx \quad \forall f \in C(11^{3},C)$ $T_{g}(\xi) := \int_{x}^{x} f_{g}(x) f(x) dx \quad \forall f \in C(11^{3},C)$ $T_{g}(\xi) := \int_{x}^{x} f_{g}(x) f(x) dx \quad \forall f \in C(11^{3},C)$ $T_{g}(\xi) := \int_{x}^{x} f_{g}(x) f(x) dx \quad \forall f \in C(11^{3},C)$ $T_{g}(\xi) := \int_{x}^{x} f_{g}(x) f(x) dx \quad \forall f \in C(11^{3},C)$ $T_{g}(\xi) := \int_{x}^{x} f_{g}(x) f(x) dx \quad \forall f \in C(11^{3},C)$ $T_{g}(\xi) := \int_{x}^{x} f_{g}(x) f(x) dx \quad \forall f \in C(11^{3},C)$ $T_{g}(\xi) := \int_{x}^{x} f_{g}(x) f(x) dx \quad \forall f \in C(11^{3},C)$ $T_{g}(\xi) := \int_{x}^{x} f_{g}(x) f(x) dx \quad \forall f \in C(11^{3},C)$ $T_{g}(\xi) := \int_{x}^{x} f_{g}(x) f(x) dx \quad \forall f \in C(11^{3},C)$ $T_{g}(\xi) := \int_{x}^{x} f_{g}(x) f(x) dx \quad \forall f \in C(11^{3},C)$ $T_{g}(\xi) := \int_{x}^{x} f_{g}(x) f(x) dx \quad \forall f \in C(11^{3},C)$ $T_{g}(\xi) := \int_{x}^{x} f_{g}(x) f(x) dx \quad \forall f \in C(11^{3},C)$ $T_{g}(\xi) := \int_{x}^{x} f_{g}(x) f(x) dx \quad \forall f \in C(11^{3},C)$ $T_{g}(\xi) := \int_{x}^{x} f_{g}(x) f(x) dx \quad \forall f \in C(11^{3},C)$ $T_{g}(\xi) := \int_{x}^{x} f_{g}(x) f(x) dx \quad \forall f \in C(11^{3},C)$ $T_{g}(\xi) := \int_{x}^{x} f_{g}(x) f(x) dx \quad \forall f \in C(11^{3},C)$ $T_{g}(\xi) := \int_{x}^{x} f_{g}(x) f(x) dx \quad \forall f \in C(11^{3},C)$ $T_{g}(\xi) := \int_{x}^{x} f_{g}(x) f(x) dx \quad \forall f \in C(11^{3},C)$ $T_{g}(\xi) := \int_{x}^{x} f_{g}(x) f(x) dx \quad \forall f \in C(11^{3},C)$ $T_{g}(\xi) := \int_{x}^{x} f_{g}(x) f(x) dx \quad \forall f \in C(11^{3},C)$ $T_{g}(\xi) := \int_{x}^{x} f_{g}(x) f(x) dx \quad \forall f \in C(11^{3},C)$ $T_{g}(\xi) := \int_{x}^{x} f_{g}(x) f(x) dx \quad \forall f \in C(11^{3},C)$ $T_{g}(\xi) := \int_{x}^{x} f_{g}(x) f(x) dx \quad \forall f \in C(11^{3},C)$ $T_{g}(\xi) := \int_{x}^{x} f_{g}(x) f(x) dx \quad \forall f \in C(11$

d) $T_{A}(x) := Ax$ $\rightarrow T_{A}(x_{1}) = Ax_{1}$ $T_{A}(x_{2}) = Ax_{2}$ $[T_{A}(x_{1}+x_{2}) = A(x_{1}+x_{2}) = Ax_{1} + Ax_{2} = T_{A}(x_{1}) + T_{A}(x_{2}) \sqrt{cunpute}$ $[T_{A}(x_{1}) = A(x_{1}) = A(x_{1}) = A(x_{1}) = A(x_{1}) + T_{A}(x_{1}) = A(x_{1}) = A(x_$

e) ([y] := dmy + am, dmy + ... +a, dy, + ao.y, [yz] = dmz + am-1 - dm-1yz + ... + a, dyz + ao.yz ELANT S- COMPANY [[[yityz]= d[yityz] +am-1 dm-[yityz] +...+a, d(yityz) +ao(yityz) = = dmy1+dmy2+am-dm-1 + am-1 dm-1 2 +--+ a dy +ardy2 +ardy1+ardy2 = ([y,] + ([yz]] Cumple V [C[dy1]: d"dy1 + an-1 d" dy1 + -- + a, dxy1) + ao. xy1 = d. (dit + amid "y + ... + a, dy + ao. y 1) = d. t. [y]]

Cumple /