$$\frac{dy}{dt} = A(t)\frac{y}{y} + f(t) \quad (*)$$
of
$$\frac{y}{z} = (y_1 \dots y_n) - \text{recyber two e op - un}$$

$$f = (f_1 \dots f_n) - \text{zargor trove}$$

$$A(t) = \begin{bmatrix} a_{11}(t) & ---- a_{111}(t) \\ ----- a_{111}(t) \end{bmatrix} - \text{zargor unitar}$$

$$A(t) = \begin{bmatrix} a_{11}(t) & --- & a_{11}(t) \\ --- & --- \\ a_{11}(t) & --- & a_{11}(t) \end{bmatrix} - 3ag-9$$
 was purchas

$$A(t) = B(t) + i C(t)$$
; $BuC-Buy-run$
 $\overline{f}(t) = \overline{g}(t) + i h(t)$; $\overline{g}uh-Buy-run$
 $\overline{g} = \overline{u} + i \overline{v}$; $\overline{u}, \overline{v} - Buy-run$

$$\frac{du}{dt} + i \frac{dV}{dt} = \left[B(t)u - C(t)V \right] + i \left[B(t)v + C(t)u \right] + g + ih$$

Maryraen:

$$\frac{du}{dt} = B(t)u - C(t)V + g$$

 $= B(t)V + C(t)\bar{u} + h$ Merce no-mexicine LDY c Merciner Kosop. Dance paccuaipubaem vousuo Beyerts. R Th 1. Myc 76 A(t) u f(t) on - two u nen - rur ra OTTEGNE Ed, BJ. Mycro to E [d, B], To - manghourotwen benog pagneprocon n. Torga F! pemerne y(+)(*), удовиетворичномие уси-то у (to)=yo (1) и on, e na Brên orpegne [x, B] A(1) uf(t)-renp., (A(1) y+f(t)) y-reny. d to B t

Don-80: Donajorbalu progationers ra Beck orjejon, cerambrice anegyer y 17-1. 1) A(t), F(t) - Herry => 1/A(t)/1, /F(t)/- Herry. 19(t) = 1401+ [A(t) 9(t) + F(t) | d2 = = 1401 + 1 [a 14(t) 1+ 6] dt = $\leq |y_0| + b(B-d) + a = |y_0| + b = |y_0| + |y_0| + b = |y_0| + |y_0| + b = |y_0| + |y_0| + b = |y_0| + |y_0| + b = |y_0| + |y_0| + b = |y_0| + |y_0| + b = |y_0| + |y_0| + b = |y_0| + |$ => π Lem. Transacia $\alpha(t-t_0)$ $\alpha(t-t_0)$

