manifuld Stat with judocity v: on manifold ery, (v)? Lensider f(x) Start. $Y = \frac{g(x)}{g(x)}$ $\frac{g(x)}{g(x)}$ \frac yenciulty, expla. 0) fix) = fix +a) 91x, 1, = flat 1) => exp(t dx) fix = fixtly Furthermone: lixi Times space symples of the state of the =) $\begin{cases} 910 \text{ M} = 100 \text{ M} \times 1000 \text{ M} = 100 \text{ M}$ The vector to 1111 explorector field) (4) 50 Veduce: 911/= exp[(vector field)+] (P) - - - - - - - exp[+A) v

11om P=v on monitold which is the which is the Injectory of 0