H27閏6 (1) = x+t, y=x-textur. (2) U(t,x)  $V_{95} = 0 \rightarrow V_{9} = A(9) \rightarrow V = A(9) dy + B(5)$ 不定績分2002、 $\int_0^9 \xi 模用的2$ 、  $V = \int_0^9 A(w) dw + B(3)$ タクリンなべ。 V(q,n)  $V = \varphi(9) + \beta(3)$ ,  $V(x+t, x-t) = \beta(x+t) + \varphi(x-t)$ Ux = 10 = 30 89 + 20 24 = 13(8) + 9(9)(-1)  $U_{x}(0,x) = V(x,x) = B'(x) - \varphi'(x) = g(x) \rightarrow \int_{0}^{1} g(x) dx = B(x) - \varphi(x) + C_{1}$  $U(0,x) = \{V(x,x) = \beta(x) + \beta(x) = f(x)\}$  $B(x) = \frac{1}{2} \left( \int g(x) + f(x) - \frac{1}{2} C_1 \right)$ N(x,x)=V(2++,x-+)  $\theta(x) = \frac{1}{2} \left( f(x) - \int_{g(x)}^{x} + \frac{1}{2} C_1 \right)$  $(1, U(x, x) = \frac{1}{2} (f(x+x) + f(x-x) + \int_{x-t}^{x+x} g(w) dw)$ (3) t=1, |x|22, u(1,2)=0.  $U(1,x) = \frac{1}{2} \left( f(x+1) + f(x-1) + \int_{x-1}^{x+1} g(u) du \right)$ [ 52-15|x|-1= ||x|-1| = ||x|-1| | 5/5c-1| < |x|+11) = (2+1) = (2+1) = 0 -) (4) |x| z + 1, z + (|x|2+) u(x,x)= = ( ....) |x++12 |x1+1+1 = |x1-+2 (++1)-+=1 スー大|2||ス|-|大||= | 大| [(t,z)=0, ? M(x) = ++1 "