Lecture #8 EECS 106 B [ 206 B

NOW-HOLONOMIC MOTTON PLANNING

 $\omega(q) \, \bar{q} = 0 \quad \Longleftrightarrow \quad \lambda(q) = 0$ L: IRm > IR I dwi = dwj is a necessary and mecessary and Angry SIS W(9) 9=0

W(9) = D + X(9) = R X(9) W(1) = D X(1) W(1) = D X(1) W(1) = D X(1) W(1) = D X(2) W(1) = D X(2) W(1) = D X(3) W(1) = D X(4) W

There II  $3 \times (8)$   $3 \times (8)$   $4 \times (8)$   $= 4 \times (8)$  = 49 = 0 Then  $3 \times (8)$  = 49 = 0

 $W_{i}^{T}(q)\dot{q}=0$ 

 $\omega'(\mathfrak{D})\dot{\mathfrak{F}}=0$