Steel 1

a) 
$$(1) = 1$$
  $\alpha_{x,\beta} = e^{-2\pi i \alpha \frac{\beta}{L}}$ 

a) 
$$N = \frac{1}{N} \left( e^{+2\pi i \times \frac{B}{N}} \right)_{x,B} \in \mathcal{M}_{x,y}$$
(2)  $\frac{1}{N} = \frac{1}{N} \left( e^{+2\pi i \times \frac{B}{N}} \right)_{x,B} \in \mathcal{M}_{x,y}$ 
(3)  $\frac{1}{N} = \frac{1}{N} \left( e^{+2\pi i \times \frac{B}{N}} \right)_{x,B} \in \mathcal{M}_{x,y}$ 

c) 
$$(\#) \rightarrow \frac{1}{W} A^* = \mathcal{N} A^{-1} = \left(\frac{A}{\mathcal{N}}\right)^{--1}$$

=) let 
$$\vec{H}$$
, =  $\frac{1}{m} \vec{A} \rightarrow \text{fullyilli} \quad \vec{H}^* = \vec{H}^{-1}$ 

Paul Time Anirbour Shork Tobias Jakoby