

$$\begin{array}{ccc}
 & \overline{F}([u_1, \dots, u_{2n}]) & \\
 F X & \rightsquigarrow & F \Sigma^\omega \\
 \uparrow c_{2n} & & \uparrow \zeta \\
 X_{2n} & \rightsquigarrow^{u_{2n}} & \Sigma^\omega
 \end{array}$$