A. (a) Condition that a node at time t has degree smaller than 
$$k$$
 $k:[t] = m!n(e \xrightarrow{m+t-1}) \le k \iff e \xrightarrow{m+t-1} \le e^{k-1}$ 
 $\iff (m+t-1)e^{k-k} \le m+t$ 
 $\iff (m+t-1)e^{k-k} = m+t \le t$ 
 $\implies (m+t$ 

2. 
$$q_k - Akp_k$$
 $p_k = (k-1) k_{min}$ 
 $p_k = k_k$ 
 $p$