

A divisor method is the Huntington-Hill method if and only if for all states  $i, j \in N$  such that  $p_i/k_i \geq p_j/k_j$ , it holds that:

$$\frac{p_i/k_i}{p_j/k_j} < \frac{p_j/(k_j-1)}{p_i/(k_i+1)}.$$