

For a state with population 60K and two representatives in the House, there is one representative per 30K people.

If the state gets only one representative, there are 0.5 representatives per 30K people.

If the state gets three representatives, there are 1.5 representatives per 30K people.

In general, a state with population p_i and k_i representatives has $x_i = 30,000 \cdot k_i / p_i$ representatives per 30K people.

The US Constitution requires $x_i \leq 1$.