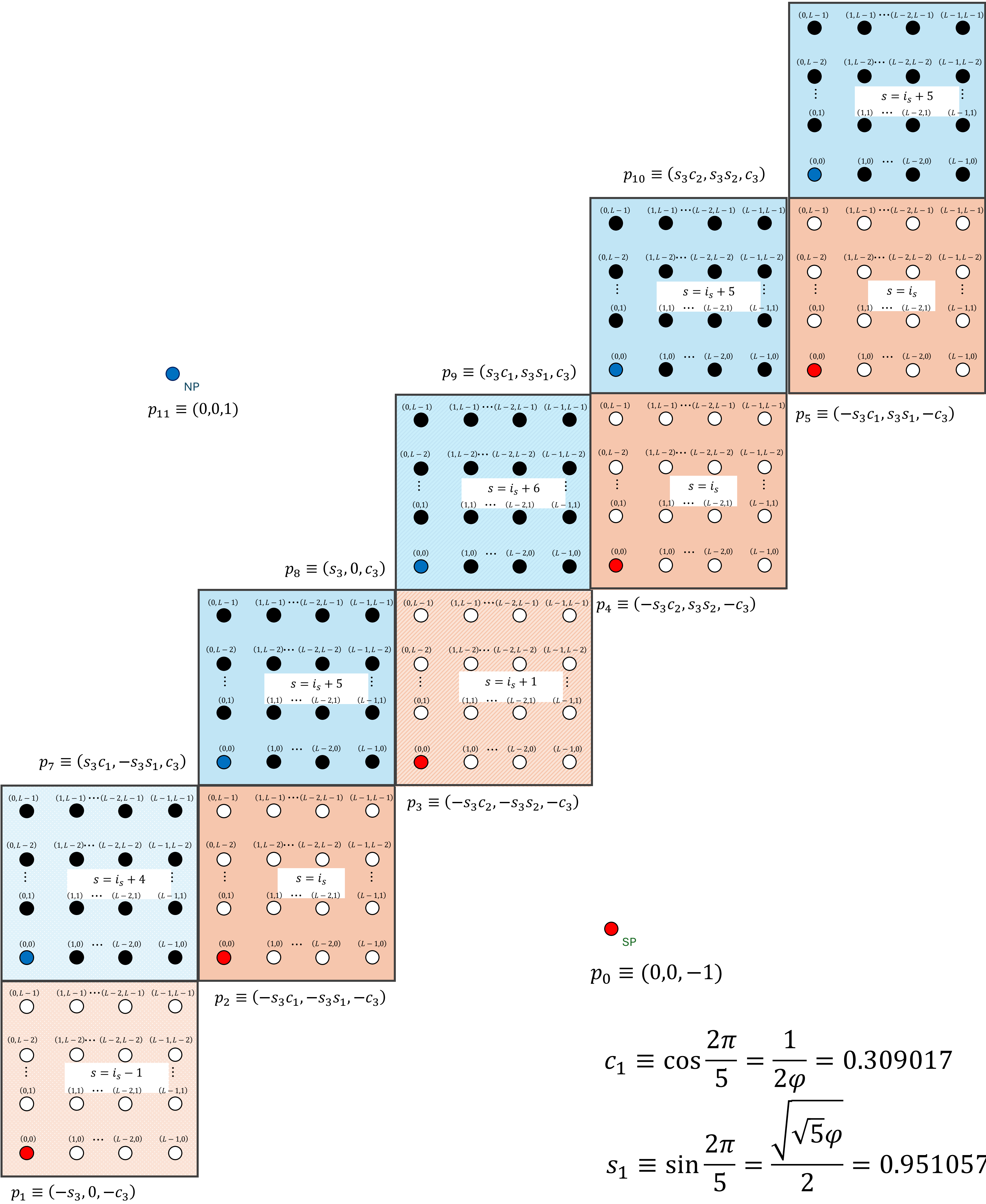




NP

$$p_{11} \equiv (0,0,1)$$

$$p_6 \equiv (s_3c_2, -s_3s_2, c_3)$$



$$c_1 \equiv \cos \frac{2\pi}{5} = \frac{1}{2\varphi} = 0.309017$$

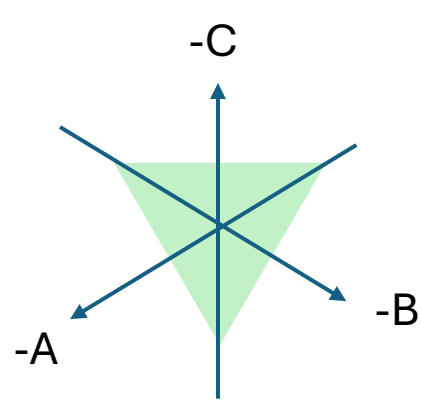
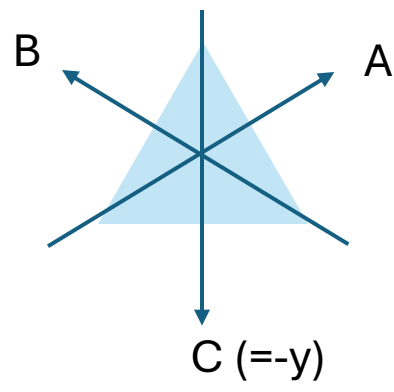
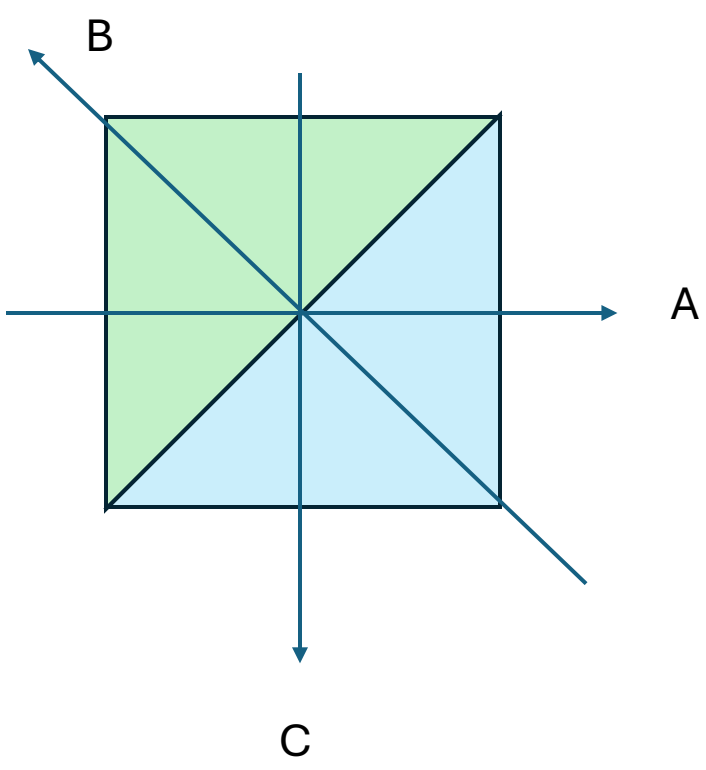
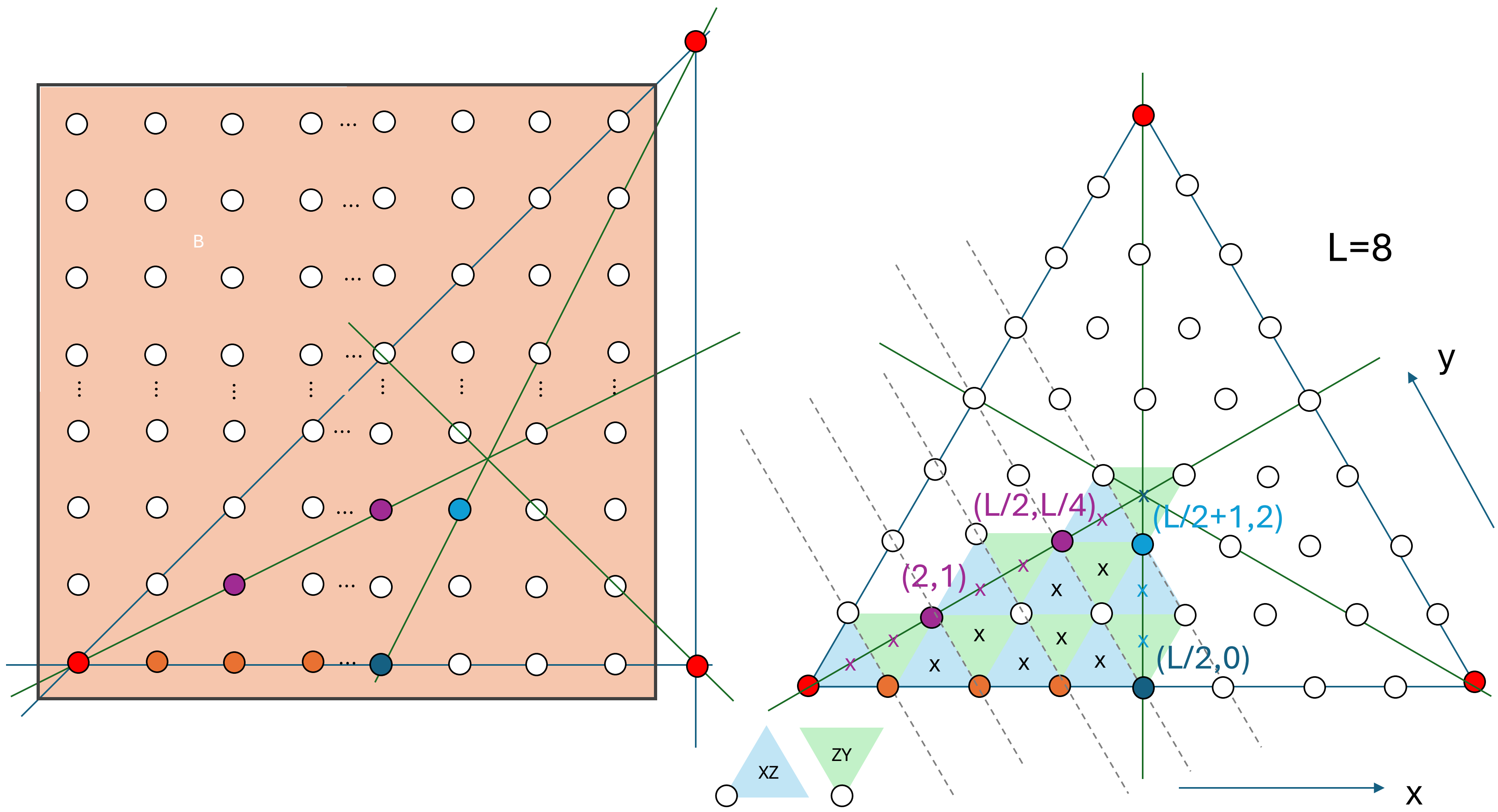
$$s_1 \equiv \sin \frac{2\pi}{5} = \frac{\sqrt{\sqrt{5}\varphi}}{2} = 0.951057$$

$$c_2 \equiv \cos \frac{4\pi}{5} = -\frac{\varphi}{2} = -0.809017$$

$$s_2 \equiv \sin \frac{4\pi}{5} = \frac{1}{2} \sqrt{\frac{\sqrt{5}}{\varphi}} = 0.587785$$

$$c_3 \equiv \frac{1}{\sqrt{5}} = 0.447214$$

$$s_3 \equiv \frac{2}{\sqrt{5}} = 0.894427$$



fund: $0 \leq x - 2y$
 $2x - y \leq L$

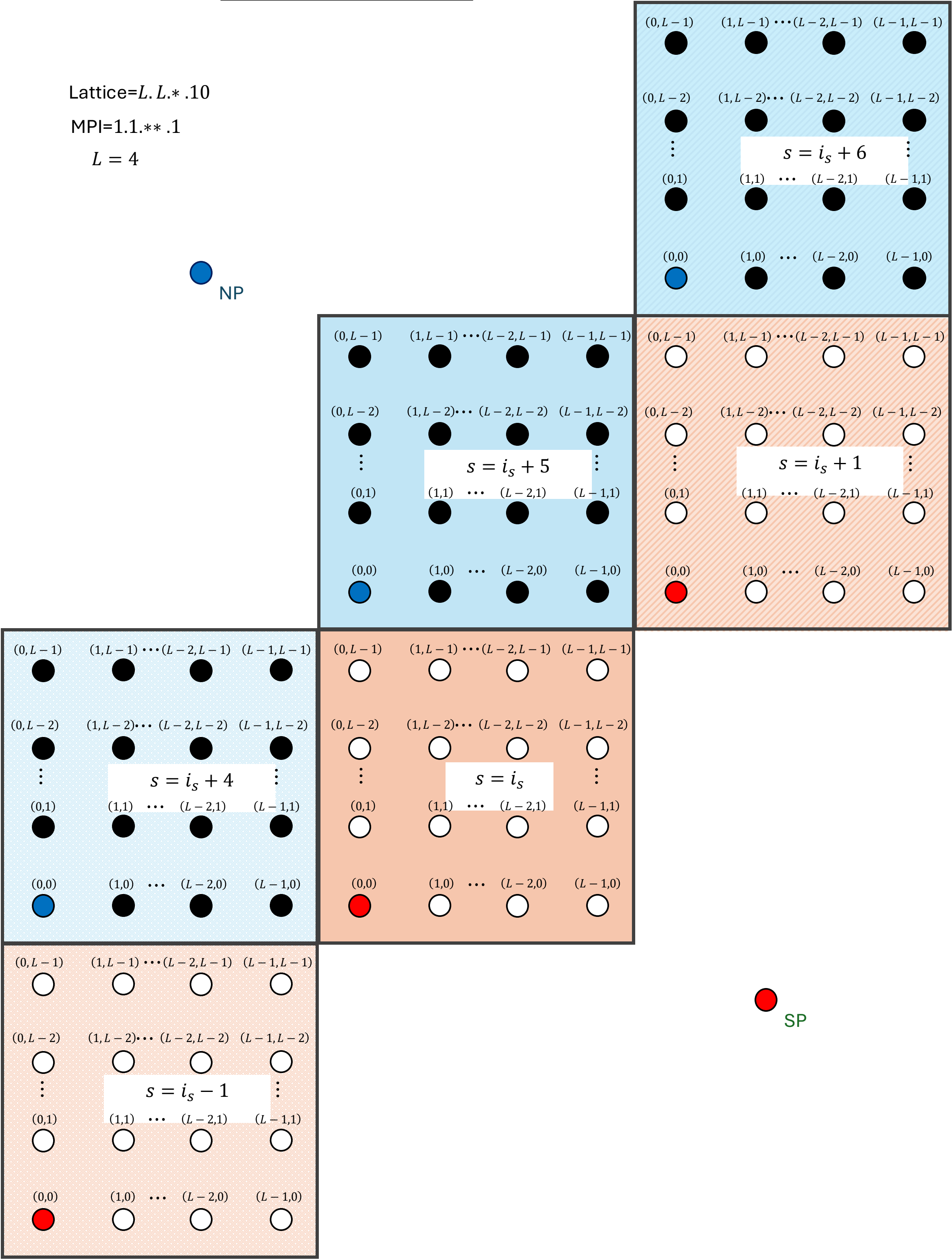
10 DOF

21DOF
 5+2+14 cons

Southern communication

Lattice= $L.L.*.10$
MPI=1.1.**.1
 $L = 4$

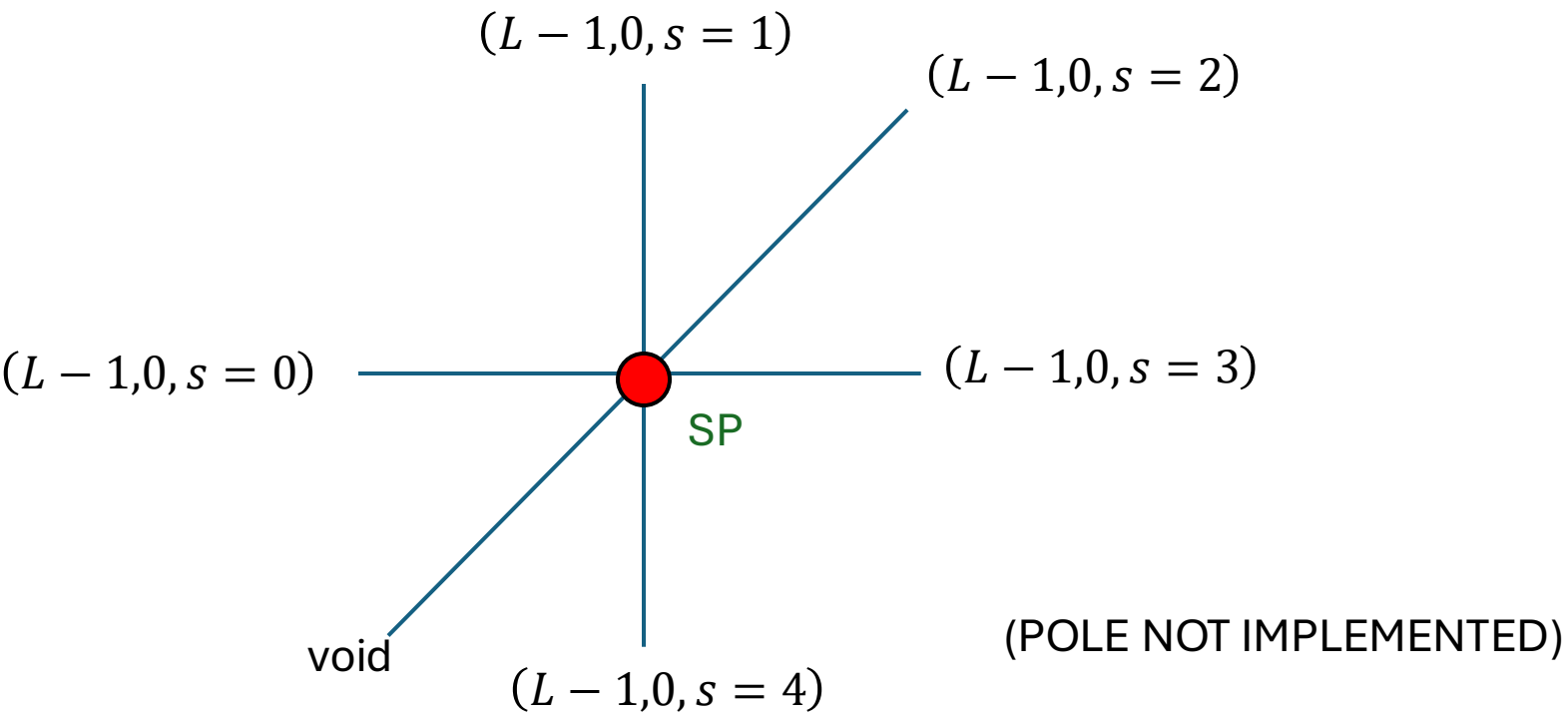
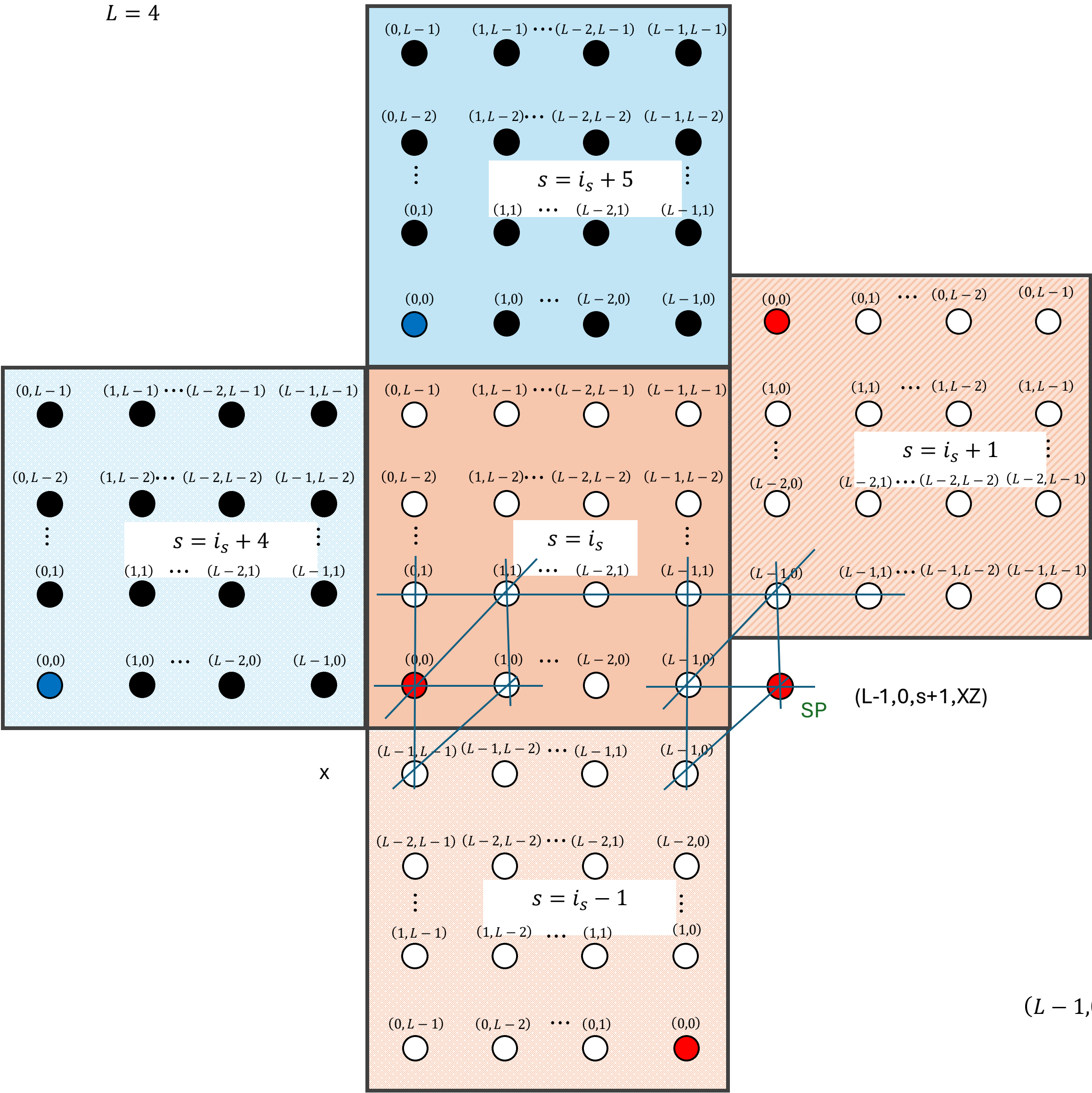
NP



SP

Southern communication

Lattice= $L.L.*.10$
MPI= $1.1.**.1$
 $L = 4$



Northern communication

$$\text{Lattice} = L, L * .10$$

MPI=1.1.**.1

$$L = 4$$
