

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

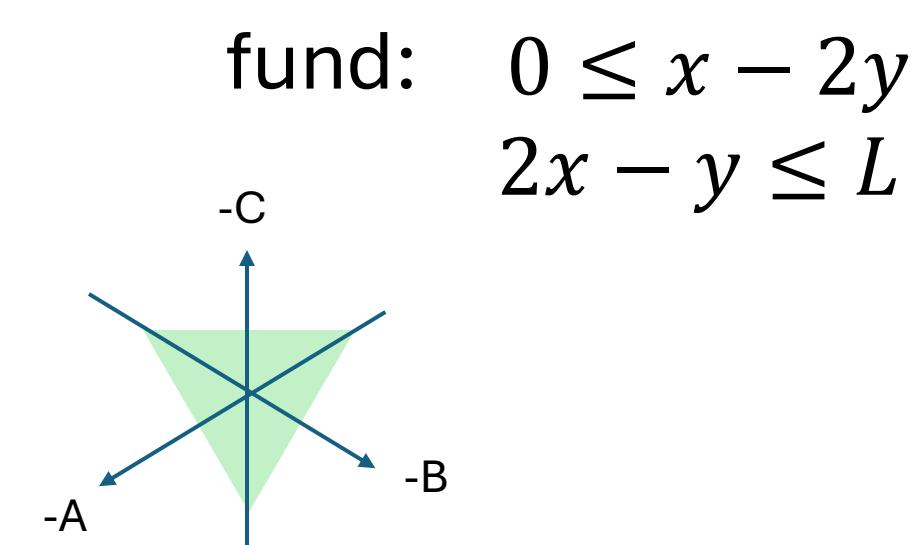
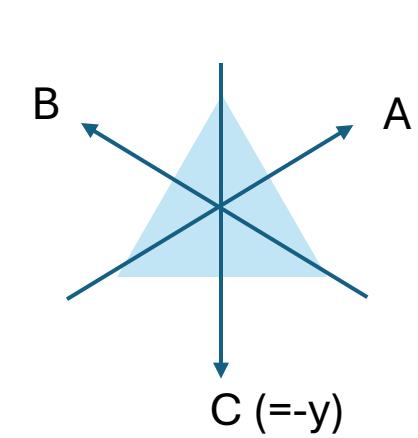
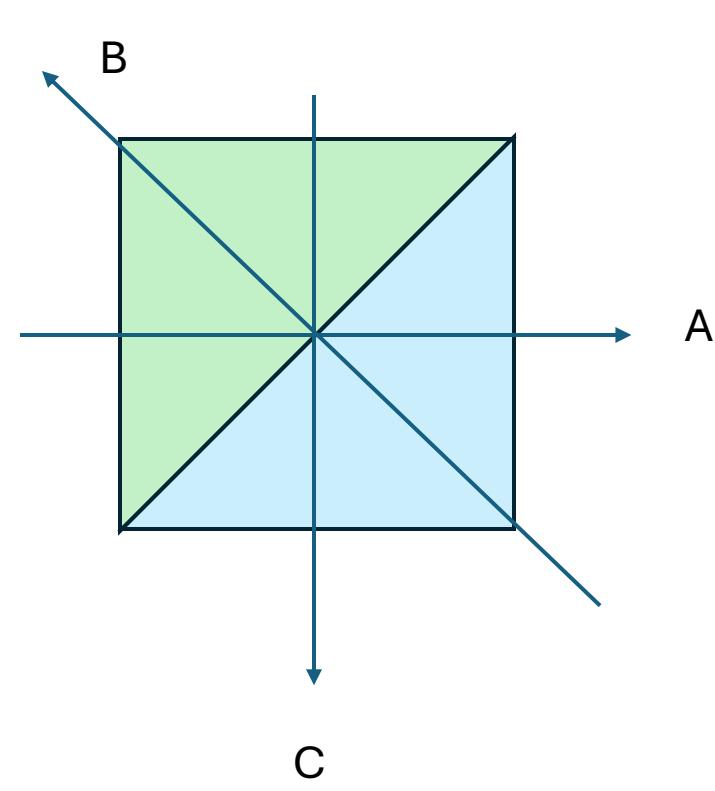
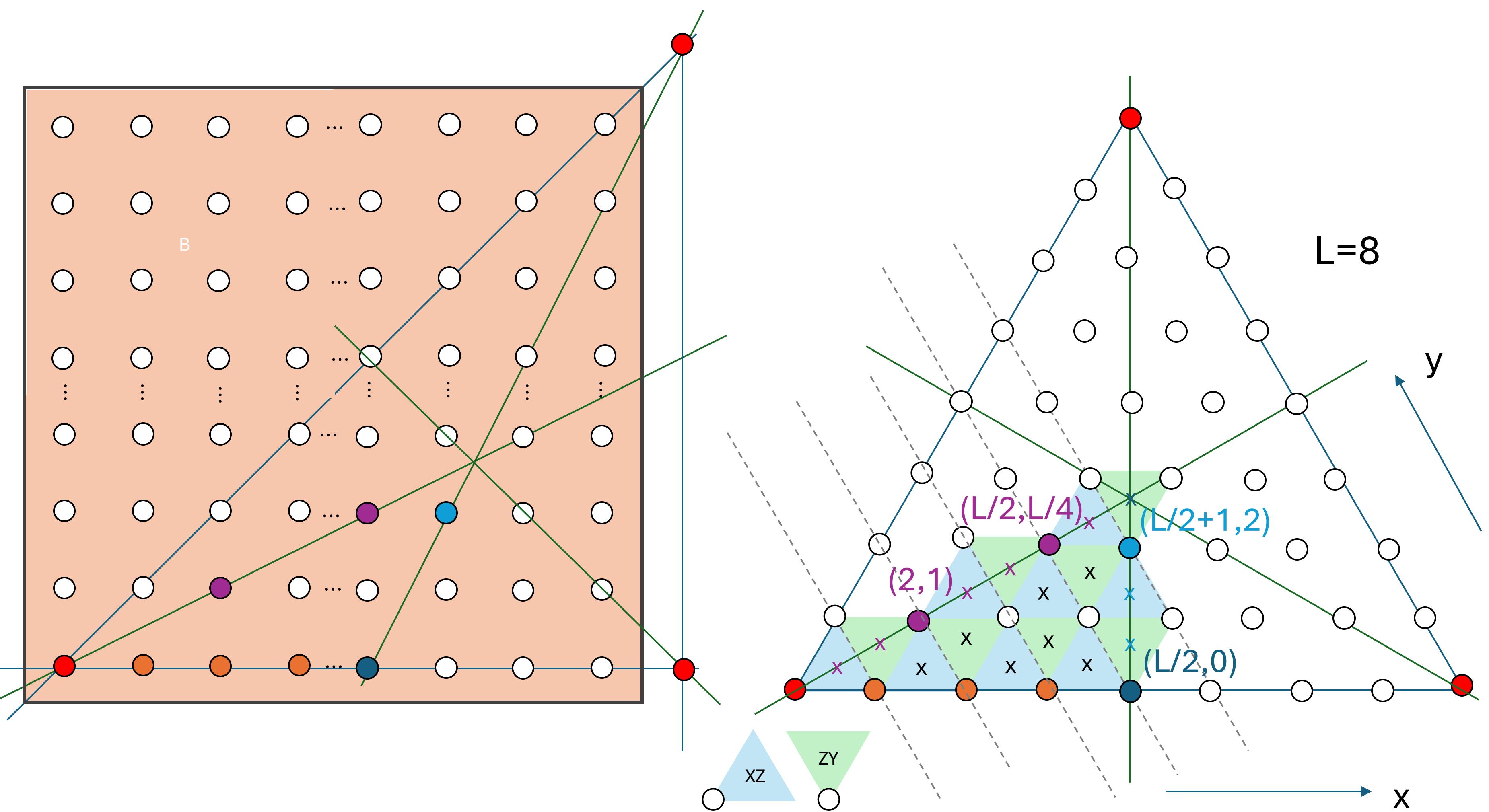
$$s_1 \equiv \sin \frac{2\pi}{5} = \frac{\sqrt{5}\varphi}{2} = 0.951057$$

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

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

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

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



BaseType

L : even

Type=2 ($x=2y$: fixed)

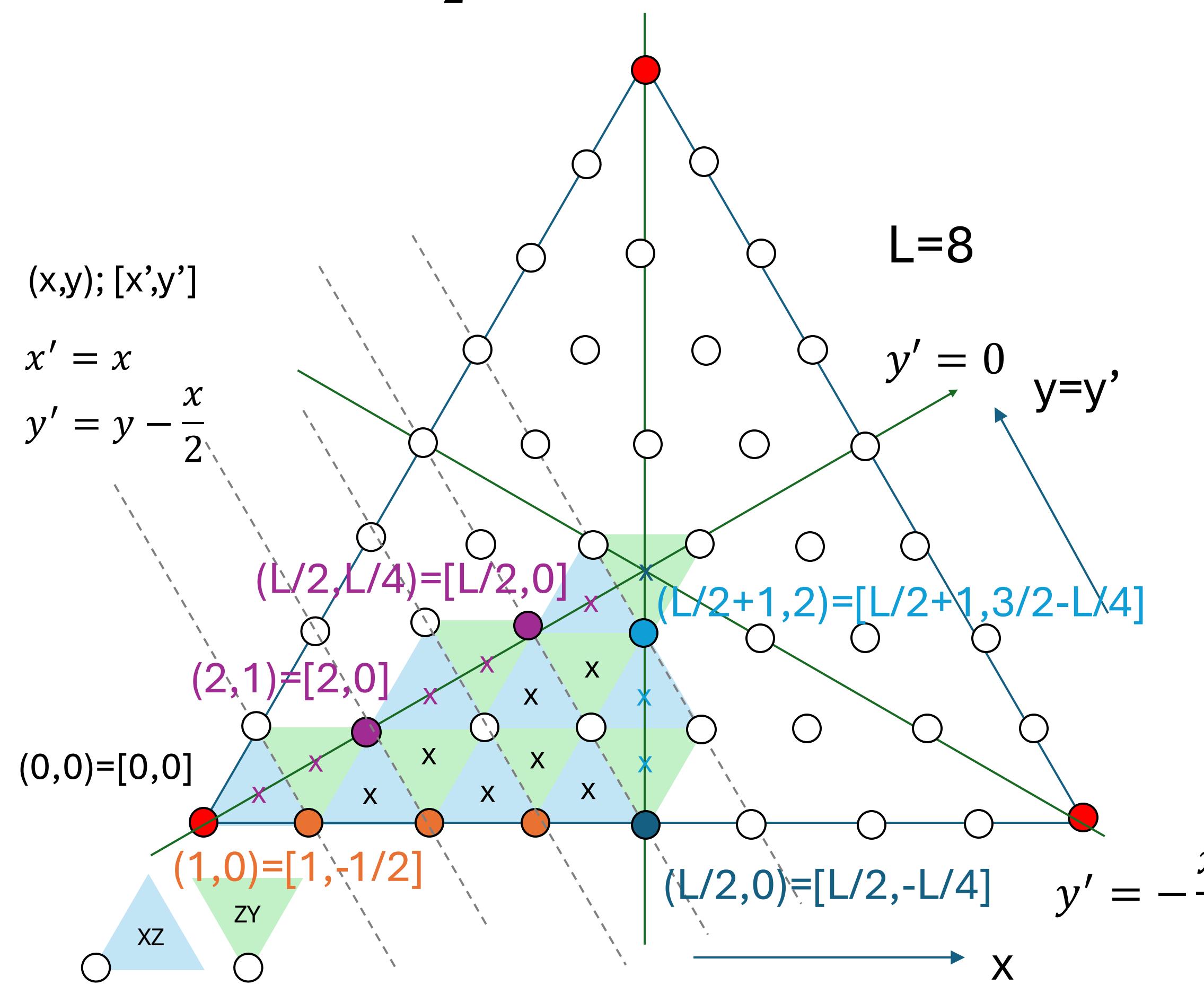
Type=1 ($y=2x-L$: fixed)

Type=0 (fixed)

Type=3 ($y=0$: fixed)

Type=4 (free)

$$\frac{3}{2}x' - y' = L$$



L : even

Type=2

Type=0

Type=1

X
Type=4 (free)

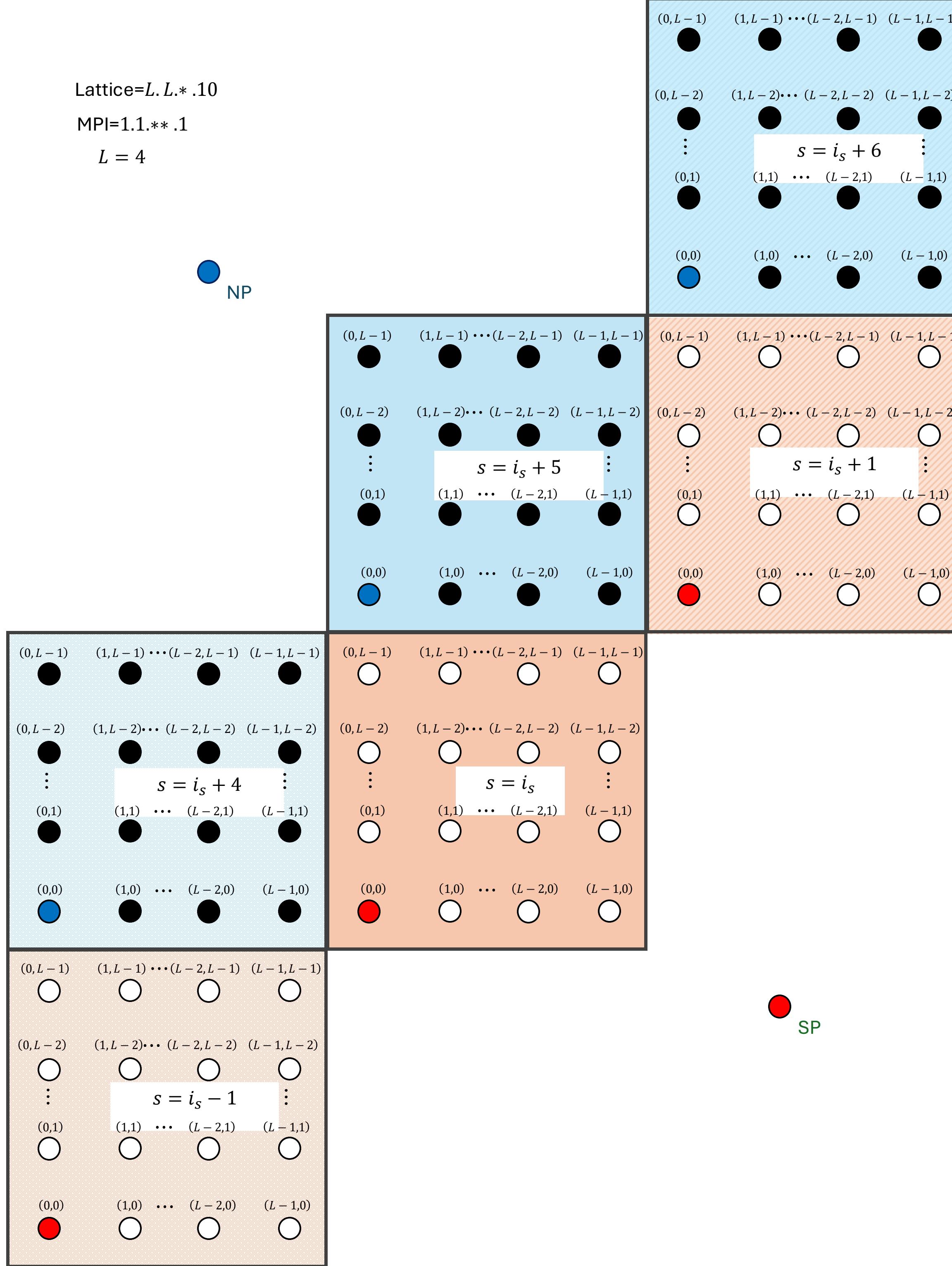
Type=3 (doesn't exist)

Southern communication

Lattice= $L \cdot L \cdot .10$

MPI=1.1,** .1
 $L = 4$

NP



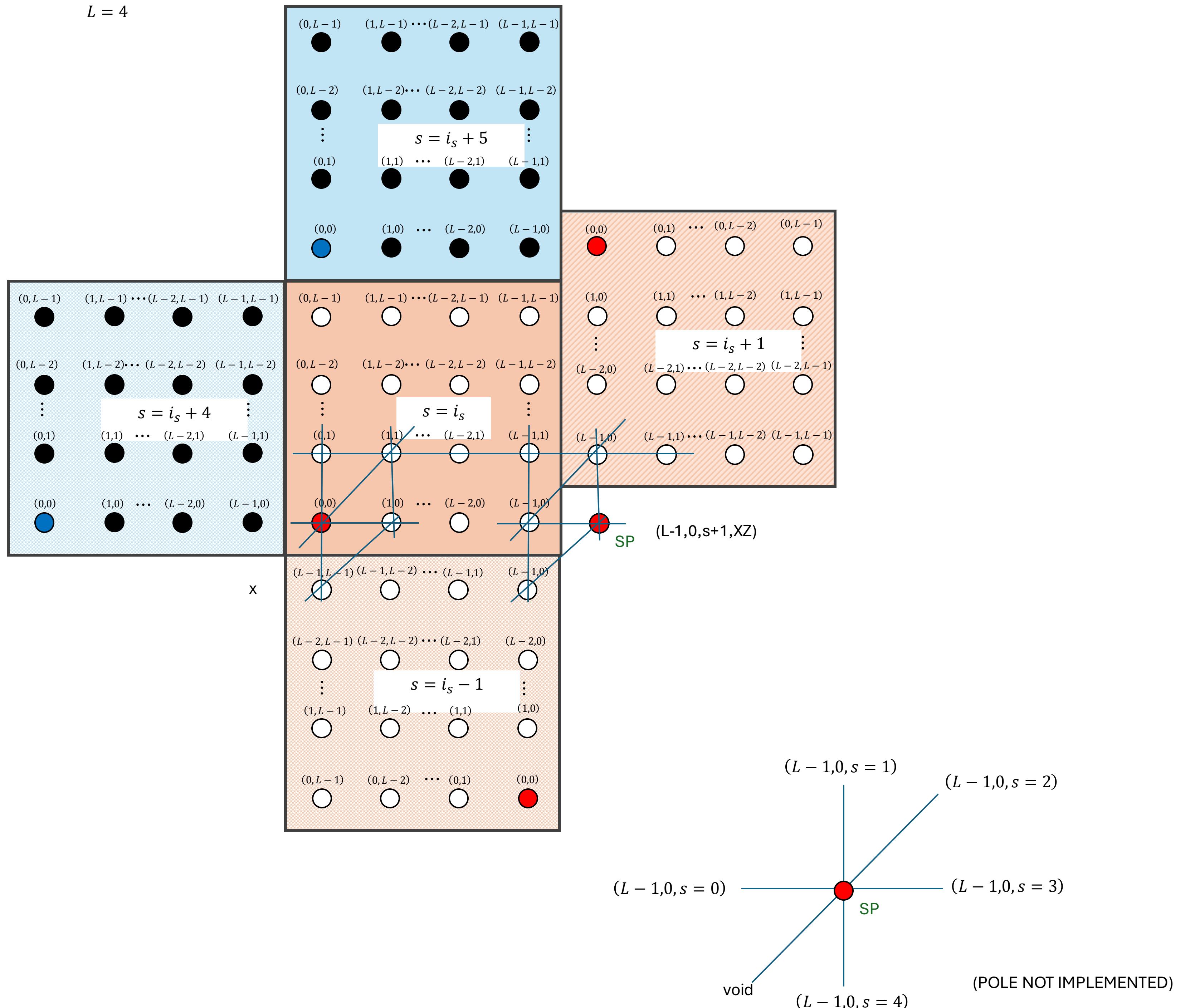
SP

Southern communication

Lattice= $L, L_* .10$

MPI=1,1,**.1

$L = 4$



Northern communication

Lattice= $L \cdot L \cdot .10$

MPI=1.1,** .1

$L = 4$

