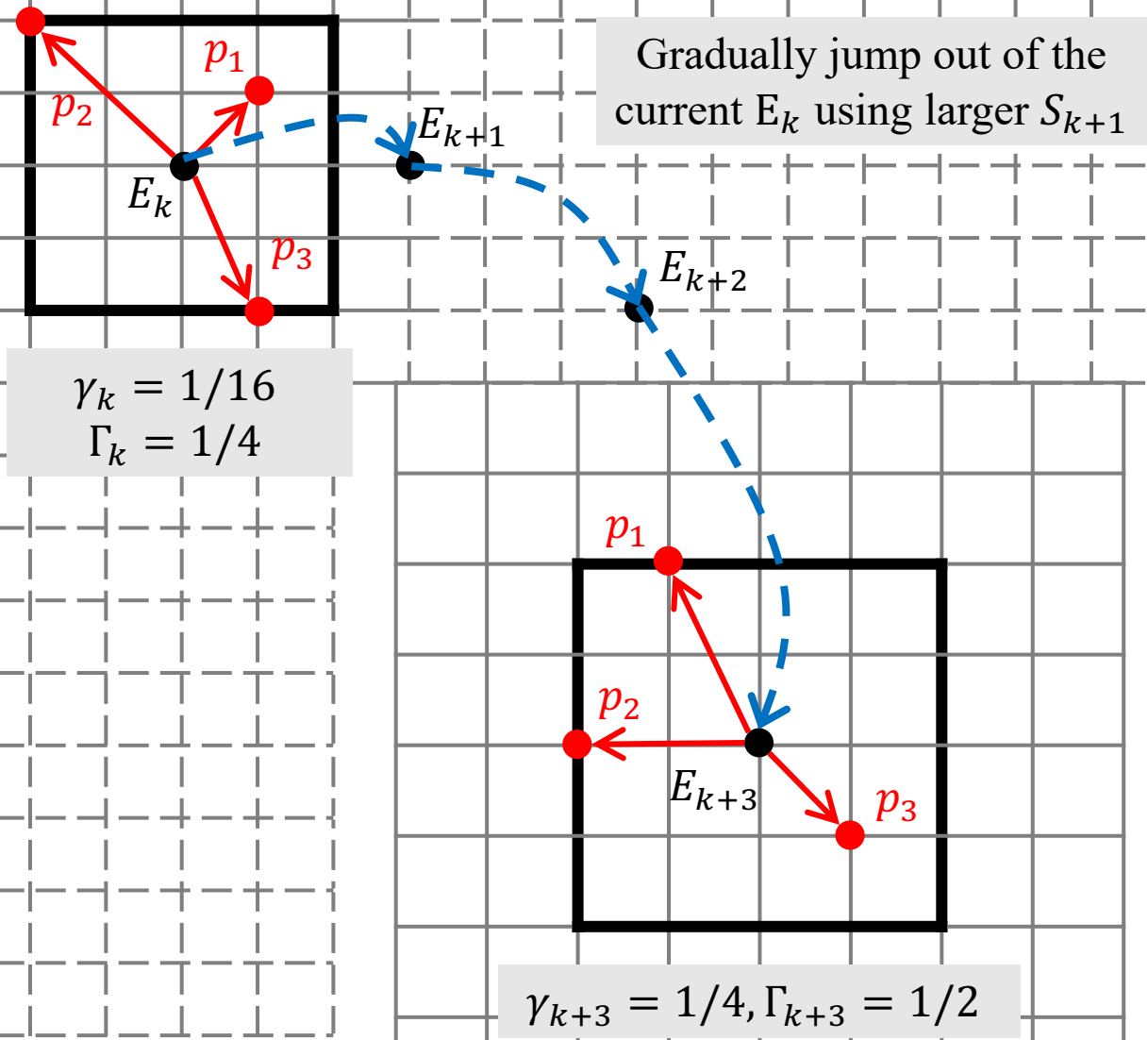


Gradually jump out of the current $E_k$ using larger $S_{k+1}$

$\gamma_k = 1/16$
$\Gamma_k = 1/4$

$\gamma_{k+3} = 1/4, \Gamma_{k+3} = 1/2$