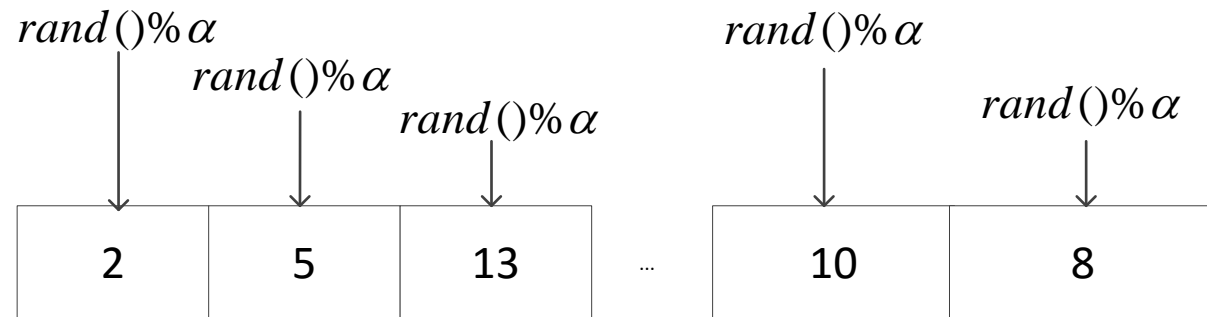block k

block2
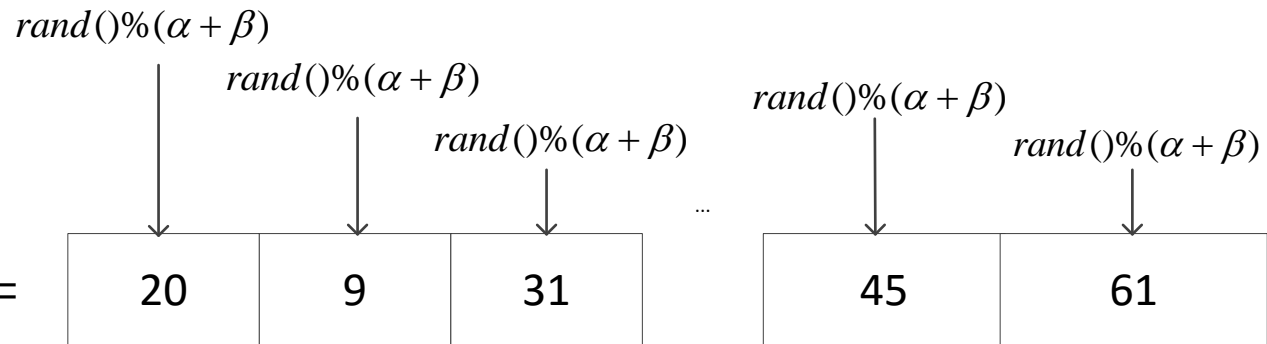
$thread, i =$ 1+blockdim 2+blockdim 3+blockdim   ⋯   2*blockdim-1   2*blockdim

block1

$thread, i =$ 1   2   3   ⋯   blockdim-1   blockdim

$rand()\%\alpha$ $rand()\%\alpha$ $rand()\%\alpha$

$rand()\%\alpha$

$rand()\%\alpha$

$mother, m =$ | 2 | 5 | 13 | ⋯ | 10 | 8 |

$rand()\%(\alpha+\beta)$

$rand()\%(\alpha+\beta)$

$rand()\%(\alpha+\beta)$

$rand()\%(\alpha+\beta)$

$rand()\%(\alpha+\beta)$

$father, f =$ | 20 | 9 | 31 | ⋯ | 45 | 61 |