

i) Scheduled
event

ii) Select individuals
for sampling

iii) Random
sampling

iv) Updated
node

event: exit

time: 4

node: 14

dest: 0^\dagger

n: 1

proportion: 0^\ddagger

select: 6

shift: 0^\S

\Rightarrow

u[,14]

$S_1 \begin{bmatrix} 12 \\ 3 \\ 63 \\ 14 \\ 92 \\ 2 \end{bmatrix}$

E[,6]

$\begin{bmatrix} 0 \\ 0 \\ 0 \\ 0 \\ 1 \\ 1 \end{bmatrix}$

select

select

\Rightarrow

Eligible for
sampling

$\begin{bmatrix} 0 \\ 0 \\ 0 \\ 0 \\ 92 \\ 2 \end{bmatrix}$

\Rightarrow

Sampled
individual

$\begin{bmatrix} 0 \\ 0 \\ 0 \\ 0 \\ 1 \\ 0 \end{bmatrix}$

\Rightarrow

u[,14]

$\begin{bmatrix} 12 \\ 3 \\ 63 \\ 14 \\ 91 \\ 2 \end{bmatrix}$