

*i)* Scheduled  
event

*ii)* Select individuals  
for sampling

*iii)* Random  
sampling

*iv)* Updated  
node

event: 0  
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]

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