

*i)* Scheduled  
event

*ii)* Select individuals  
for sampling

*iii)* Random  
sampling

*iv)* Updated node  
and dest

event: extTrans  
time: 4  
node: 14  
dest: 23  
n: 1  
proportion:  $0^\ddagger$   
select: 6  
shift:  $0^\dagger$

$\Rightarrow$

u[,14]		E[,6]	Eligible for sampling	Sampled individual	u[,14]
$S_1$	12	0	0	0	12
$I_1$	3	0	0	0	3
$S_2$	63	0	0	0	63
$I_2$	14	0	0	0	14
$S_3$	92	1	92	1	91
$I_3$	2	1	2	0	2

$\Rightarrow$

u[,23]		u[,23]
$S_1$	11	11
$I_1$	18	18
$S_2$	13	13
$I_2$	54	54
$S_3$	22	23
$I_3$	72	72

$\Rightarrow$