

Initial Cond. $p_j(0)$

$i = 1$
 $s = 0$

turn

E_1

s

(**Q**) ... Set of N_p Particles

$$p_j \equiv (\mathbf{Q})[j]$$

Lattice (**E**) of N_{elem}

"Beam Elements" $E_i \equiv (\mathbf{E})[i]$

$$p_j(i+1) \leftarrow E_{i+1}(p_j(i))$$

map
apply

$$p_j(i) \leftarrow E_i(p_j(i-1))$$

map
apply

$$p_j(i-1)$$